

Table 1: 41-admissible orbifolds.

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(41; \emptyset)$	1
2	$\mathcal{O}(21; \emptyset)$	4398046511103
2	$\mathcal{O}(20; \{2^4\})$	1099511627776
2	$\mathcal{O}(19; \{2^8\})$	274877906944
2	$\mathcal{O}(18; \{2^{12}\})$	68719476736
2	$\mathcal{O}(17; \{2^{16}\})$	17179869184
2	$\mathcal{O}(16; \{2^{20}\})$	4294967296
2	$\mathcal{O}(15; \{2^{24}\})$	1073741824
2	$\mathcal{O}(14; \{2^{28}\})$	268435456
2	$\mathcal{O}(13; \{2^{32}\})$	67108864
2	$\mathcal{O}(12; \{2^{36}\})$	16777216
2	$\mathcal{O}(11; \{2^{40}\})$	4194304
2	$\mathcal{O}(10; \{2^{44}\})$	1048576
2	$\mathcal{O}(9; \{2^{48}\})$	262144
2	$\mathcal{O}(8; \{2^{52}\})$	65536
2	$\mathcal{O}(7; \{2^{56}\})$	16384
2	$\mathcal{O}(6; \{2^{60}\})$	4096
2	$\mathcal{O}(5; \{2^{64}\})$	1024
2	$\mathcal{O}(4; \{2^{68}\})$	256
2	$\mathcal{O}(3; \{2^{72}\})$	64
2	$\mathcal{O}(2; \{2^{76}\})$	16
2	$\mathcal{O}(1; \{2^{80}\})$	4
2	$\mathcal{O}(0; \{2^{84}\})$	1
3	$\mathcal{O}(13; \{3^4\})$	15251194969974
3	$\mathcal{O}(12; \{3^7\})$	11862040532202
3	$\mathcal{O}(11; \{3^{10}\})$	10732322386278
3	$\mathcal{O}(10; \{3^{13}\})$	9518921414730
3	$\mathcal{O}(9; \{3^{16}\})$	8463588002694
3	$\mathcal{O}(8; \{3^{19}\})$	7522931055402
3	$\mathcal{O}(7; \{3^{22}\})$	6687078524838
3	$\mathcal{O}(6; \{3^{25}\})$	5944066611210
3	$\mathcal{O}(5; \{3^{28}\})$	5283615119814
3	$\mathcal{O}(4; \{3^{31}\})$	4696546733802
3	$\mathcal{O}(3; \{3^{34}\})$	4174708212198
3	$\mathcal{O}(2; \{3^{37}\})$	3710851743690
3	$\mathcal{O}(1; \{3^{40}\})$	3298534883334
3	$\mathcal{O}(0; \{3^{43}\})$	2932031007402
4	$\mathcal{O}(11; \emptyset)$	17592181850112
4	$\mathcal{O}(10; \{2^4\})$	1099510579200
4	$\mathcal{O}(10; \{2, 4^2\})$	2199023255552
4	$\mathcal{O}(9; \{2^8\})$	68719214592
4	$\mathcal{O}(9; \{2^5, 4^2\})$	137438953472

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(9; \{2^2, 4^4\})$	549755813888
4	$\mathcal{O}(8; \{2^{12}\})$	4294901760
4	$\mathcal{O}(8; \{2^9, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^6, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^3, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{4^8\})$	549755813888
4	$\mathcal{O}(7; \{2^{16}\})$	268419072
4	$\mathcal{O}(7; \{2^{13}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{10}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^7, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^4, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2, 4^{10}\})$	137438953472
4	$\mathcal{O}(6; \{2^{20}\})$	16773120
4	$\mathcal{O}(6; \{2^{17}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{14}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{11}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^8, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^5, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^2, 4^{12}\})$	34359738368
4	$\mathcal{O}(5; \{2^{24}\})$	1047552
4	$\mathcal{O}(5; \{2^{21}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^{18}, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^{15}, 4^6\})$	33554432
4	$\mathcal{O}(5; \{2^{12}, 4^8\})$	134217728
4	$\mathcal{O}(5; \{2^9, 4^{10}\})$	536870912
4	$\mathcal{O}(5; \{2^6, 4^{12}\})$	2147483648
4	$\mathcal{O}(5; \{2^3, 4^{14}\})$	8589934592
4	$\mathcal{O}(5; \{4^{16}\})$	34359738368
4	$\mathcal{O}(4; \{2^{28}\})$	65280
4	$\mathcal{O}(4; \{2^{25}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{22}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{19}, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^{16}, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^{13}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{10}, 4^{12}\})$	134217728
4	$\mathcal{O}(4; \{2^7, 4^{14}\})$	536870912
4	$\mathcal{O}(4; \{2^4, 4^{16}\})$	2147483648
4	$\mathcal{O}(4; \{2, 4^{18}\})$	8589934592
4	$\mathcal{O}(3; \{2^{32}\})$	4032
4	$\mathcal{O}(3; \{2^{29}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{26}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{23}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{20}, 4^8\})$	524288

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
4	$O(3; \{2^{17}, 4^{10}\})$	2097152
4	$O(3; \{2^{14}, 4^{12}\})$	8388608
4	$O(3; \{2^{11}, 4^{14}\})$	33554432
4	$O(3; \{2^8, 4^{16}\})$	134217728
4	$O(3; \{2^5, 4^{18}\})$	536870912
4	$O(3; \{2^2, 4^{20}\})$	2147483648
4	$O(2; \{2^{36}\})$	240
4	$O(2; \{2^{33}, 4^2\})$	512
4	$O(2; \{2^{30}, 4^4\})$	2048
4	$O(2; \{2^{27}, 4^6\})$	8192
4	$O(2; \{2^{24}, 4^8\})$	32768
4	$O(2; \{2^{21}, 4^{10}\})$	131072
4	$O(2; \{2^{18}, 4^{12}\})$	524288
4	$O(2; \{2^{15}, 4^{14}\})$	2097152
4	$O(2; \{2^{12}, 4^{16}\})$	8388608
4	$O(2; \{2^9, 4^{18}\})$	33554432
4	$O(2; \{2^6, 4^{20}\})$	134217728
4	$O(2; \{2^3, 4^{22}\})$	536870912
4	$O(2; \{4^{24}\})$	2147483648
4	$O(1; \{2^{40}\})$	12
4	$O(1; \{2^{37}, 4^2\})$	32
4	$O(1; \{2^{34}, 4^4\})$	128
4	$O(1; \{2^{31}, 4^6\})$	512
4	$O(1; \{2^{28}, 4^8\})$	2048
4	$O(1; \{2^{25}, 4^{10}\})$	8192
4	$O(1; \{2^{22}, 4^{12}\})$	32768
4	$O(1; \{2^{19}, 4^{14}\})$	131072
4	$O(1; \{2^{16}, 4^{16}\})$	524288
4	$O(1; \{2^{13}, 4^{18}\})$	2097152
4	$O(1; \{2^{10}, 4^{20}\})$	8388608
4	$O(1; \{2^7, 4^{22}\})$	33554432
4	$O(1; \{2^4, 4^{24}\})$	134217728
4	$O(1; \{2, 4^{26}\})$	536870912
4	$O(0; \{2^{41}, 4^2\})$	2
4	$O(0; \{2^{38}, 4^4\})$	8
4	$O(0; \{2^{35}, 4^6\})$	32
4	$O(0; \{2^{32}, 4^8\})$	128
4	$O(0; \{2^{29}, 4^{10}\})$	512
4	$O(0; \{2^{26}, 4^{12}\})$	2048
4	$O(0; \{2^{23}, 4^{14}\})$	8192
4	$O(0; \{2^{20}, 4^{16}\})$	32768
4	$O(0; \{2^{17}, 4^{18}\})$	131072
4	$O(0; \{2^{14}, 4^{20}\})$	524288

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(0; \{2^{11}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^8, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^5, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^2, 4^{28}\})$	134217728
5	$\mathcal{O}(9; \emptyset)$	3814697265624
5	$\mathcal{O}(7; \{5^5\})$	1245117187500
5	$\mathcal{O}(5; \{5^{10}\})$	2048007812500
5	$\mathcal{O}(3; \{5^{15}\})$	3355443187500
5	$\mathcal{O}(1; \{5^{20}\})$	5497558138900
6	$\mathcal{O}(7; \{3^2\})$	156718762254
6	$\mathcal{O}(6; \{2^4, 3^2\})$	4353564672
6	$\mathcal{O}(6; \{3^5\})$	21762508950
6	$\mathcal{O}(6; \{2, 3^3, 6\})$	13060694016
6	$\mathcal{O}(6; \{2^2, 3, 6^2\})$	4353564672
6	$\mathcal{O}(6; \{6^4\})$	13060694016
6	$\mathcal{O}(5; \{2^8, 3^2\})$	120932352
6	$\mathcal{O}(5; \{2^4, 3^5\})$	604661760
6	$\mathcal{O}(5; \{3^8\})$	5195012922
6	$\mathcal{O}(5; \{2^5, 3^3, 6\})$	362797056
6	$\mathcal{O}(5; \{2, 3^6, 6\})$	2539579392
6	$\mathcal{O}(5; \{2^6, 3, 6^2\})$	120932352
6	$\mathcal{O}(5; \{2^2, 3^4, 6^2\})$	1330255872
6	$\mathcal{O}(5; \{2^3, 3^2, 6^3\})$	604661760
6	$\mathcal{O}(5; \{2^4, 6^4\})$	362797056
6	$\mathcal{O}(5; \{3^3, 6^4\})$	2539579392
6	$\mathcal{O}(5; \{2, 3, 6^5\})$	1330255872
6	$\mathcal{O}(4; \{2^{12}, 3^2\})$	3359232
6	$\mathcal{O}(4; \{2^8, 3^5\})$	16796160
6	$\mathcal{O}(4; \{2^4, 3^8\})$	144446976
6	$\mathcal{O}(4; \{3^{11}\})$	1141023510
6	$\mathcal{O}(4; \{2^9, 3^3, 6\})$	10077696
6	$\mathcal{O}(4; \{2^5, 3^6, 6\})$	70543872
6	$\mathcal{O}(4; \{2, 3^9, 6\})$	574428672
6	$\mathcal{O}(4; \{2^{10}, 3, 6^2\})$	3359232
6	$\mathcal{O}(4; \{2^6, 3^4, 6^2\})$	36951552
6	$\mathcal{O}(4; \{2^2, 3^7, 6^2\})$	285534720
6	$\mathcal{O}(4; \{2^7, 3^2, 6^3\})$	16796160
6	$\mathcal{O}(4; \{2^3, 3^5, 6^3\})$	144446976
6	$\mathcal{O}(4; \{2^8, 6^4\})$	10077696
6	$\mathcal{O}(4; \{2^4, 3^3, 6^4\})$	70543872
6	$\mathcal{O}(4; \{3^6, 6^4\})$	574428672
6	$\mathcal{O}(4; \{2^5, 3, 6^5\})$	36951552
6	$\mathcal{O}(4; \{2, 3^4, 6^5\})$	285534720

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^2, 3^2, 6^6\})$	144446976
6	$\mathcal{O}(4; \{2^3, 6^7\})$	70543872
6	$\mathcal{O}(4; \{3, 6^8\})$	285534720
6	$\mathcal{O}(3; \{2^{16}, 3^2\})$	93312
6	$\mathcal{O}(3; \{2^{12}, 3^5\})$	466560
6	$\mathcal{O}(3; \{2^8, 3^8\})$	4012416
6	$\mathcal{O}(3; \{2^4, 3^{11}\})$	31819392
6	$\mathcal{O}(3; \{3^{14}\})$	250853274
6	$\mathcal{O}(3; \{2^{13}, 3^3, 6\})$	279936
6	$\mathcal{O}(3; \{2^9, 3^6, 6\})$	1959552
6	$\mathcal{O}(3; \{2^5, 3^9, 6\})$	15956352
6	$\mathcal{O}(3; \{2, 3^{12}, 6\})$	127370880
6	$\mathcal{O}(3; \{2^{14}, 3, 6^2\})$	93312
6	$\mathcal{O}(3; \{2^{10}, 3^4, 6^2\})$	1026432
6	$\mathcal{O}(3; \{2^6, 3^7, 6^2\})$	7931520
6	$\mathcal{O}(3; \{2^2, 3^{10}, 6^2\})$	63732096
6	$\mathcal{O}(3; \{2^{11}, 3^2, 6^3\})$	466560
6	$\mathcal{O}(3; \{2^7, 3^5, 6^3\})$	4012416
6	$\mathcal{O}(3; \{2^3, 3^8, 6^3\})$	31819392
6	$\mathcal{O}(3; \{2^{12}, 6^4\})$	279936
6	$\mathcal{O}(3; \{2^8, 3^3, 6^4\})$	1959552
6	$\mathcal{O}(3; \{2^4, 3^6, 6^4\})$	15956352
6	$\mathcal{O}(3; \{3^9, 6^4\})$	127370880
6	$\mathcal{O}(3; \{2^9, 3, 6^5\})$	1026432
6	$\mathcal{O}(3; \{2^5, 3^4, 6^5\})$	7931520
6	$\mathcal{O}(3; \{2, 3^7, 6^5\})$	63732096
6	$\mathcal{O}(3; \{2^6, 3^2, 6^6\})$	4012416
6	$\mathcal{O}(3; \{2^2, 3^5, 6^6\})$	31819392
6	$\mathcal{O}(3; \{2^7, 6^7\})$	1959552
6	$\mathcal{O}(3; \{2^3, 3^3, 6^7\})$	15956352
6	$\mathcal{O}(3; \{2^4, 3, 6^8\})$	7931520
6	$\mathcal{O}(3; \{3^4, 6^8\})$	63732096
6	$\mathcal{O}(3; \{2, 3^2, 6^9\})$	31819392
6	$\mathcal{O}(3; \{2^2, 6^{10}\})$	15956352
6	$\mathcal{O}(2; \{2^{20}, 3^2\})$	2592
6	$\mathcal{O}(2; \{2^{16}, 3^5\})$	12960
6	$\mathcal{O}(2; \{2^{12}, 3^8\})$	111456
6	$\mathcal{O}(2; \{2^8, 3^{11}\})$	883872
6	$\mathcal{O}(2; \{2^4, 3^{14}\})$	7078752
6	$\mathcal{O}(2; \{3^{17}\})$	53083350
6	$\mathcal{O}(2; \{2^{17}, 3^3, 6\})$	7776
6	$\mathcal{O}(2; \{2^{13}, 3^6, 6\})$	54432
6	$\mathcal{O}(2; \{2^9, 3^9, 6\})$	443232

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
6	$O(2; \{2^5, 3^{12}, 6\})$	3538080
6	$O(2; \{2, 3^{15}, 6\})$	28312416
6	$O(2; \{2^{18}, 3, 6^2\})$	2592
6	$O(2; \{2^{14}, 3^4, 6^2\})$	28512
6	$O(2; \{2^{10}, 3^7, 6^2\})$	220320
6	$O(2; \{2^6, 3^{10}, 6^2\})$	1770336
6	$O(2; \{2^2, 3^{13}, 6^2\})$	14154912
6	$O(2; \{2^{15}, 3^2, 6^3\})$	12960
6	$O(2; \{2^{11}, 3^5, 6^3\})$	111456
6	$O(2; \{2^7, 3^8, 6^3\})$	883872
6	$O(2; \{2^3, 3^{11}, 6^3\})$	7078752
6	$O(2; \{2^{16}, 6^4\})$	7776
6	$O(2; \{2^{12}, 3^3, 6^4\})$	54432
6	$O(2; \{2^8, 3^6, 6^4\})$	443232
6	$O(2; \{2^4, 3^9, 6^4\})$	3538080
6	$O(2; \{3^{12}, 6^4\})$	28312416
6	$O(2; \{2^{13}, 3, 6^5\})$	28512
6	$O(2; \{2^9, 3^4, 6^5\})$	220320
6	$O(2; \{2^5, 3^7, 6^5\})$	1770336
6	$O(2; \{2, 3^{10}, 6^5\})$	14154912
6	$O(2; \{2^{10}, 3^2, 6^6\})$	111456
6	$O(2; \{2^6, 3^5, 6^6\})$	883872
6	$O(2; \{2^2, 3^8, 6^6\})$	7078752
6	$O(2; \{2^{11}, 6^7\})$	54432
6	$O(2; \{2^7, 3^3, 6^7\})$	443232
6	$O(2; \{2^3, 3^6, 6^7\})$	3538080
6	$O(2; \{2^8, 3, 6^8\})$	220320
6	$O(2; \{2^4, 3^4, 6^8\})$	1770336
6	$O(2; \{3^7, 6^8\})$	14154912
6	$O(2; \{2^5, 3^2, 6^9\})$	883872
6	$O(2; \{2, 3^5, 6^9\})$	7078752
6	$O(2; \{2^6, 6^{10}\})$	443232
6	$O(2; \{2^2, 3^3, 6^{10}\})$	3538080
6	$O(2; \{2^3, 3, 6^{11}\})$	1770336
6	$O(2; \{3^2, 6^{12}\})$	7078752
6	$O(2; \{2, 6^{13}\})$	3538080
6	$O(1; \{2^{24}, 3^2\})$	72
6	$O(1; \{2^{20}, 3^5\})$	360
6	$O(1; \{2^{16}, 3^8\})$	3096
6	$O(1; \{2^{12}, 3^{11}\})$	24552
6	$O(1; \{2^8, 3^{14}\})$	196632
6	$O(1; \{2^4, 3^{17}\})$	1572840
6	$O(1; \{3^{20}\})$	9437202

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

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{10}, 6^{10}\})$	12312
6	$\mathcal{O}(1; \{2^6, 3^3, 6^{10}\})$	98280
6	$\mathcal{O}(1; \{2^2, 3^6, 6^{10}\})$	786456
6	$\mathcal{O}(1; \{2^7, 3, 6^{11}\})$	49176
6	$\mathcal{O}(1; \{2^3, 3^4, 6^{11}\})$	393192
6	$\mathcal{O}(1; \{2^4, 3^2, 6^{12}\})$	196632
6	$\mathcal{O}(1; \{3^5, 6^{12}\})$	1572840
6	$\mathcal{O}(1; \{2^5, 6^{13}\})$	98280
6	$\mathcal{O}(1; \{2, 3^3, 6^{13}\})$	786456
6	$\mathcal{O}(1; \{2^2, 3, 6^{14}\})$	393192
6	$\mathcal{O}(1; \{6^{16}\})$	786456
6	$\mathcal{O}(0; \{2^{28}, 3^2\})$	2
6	$\mathcal{O}(0; \{2^{24}, 3^5\})$	10
6	$\mathcal{O}(0; \{2^{20}, 3^8\})$	86
6	$\mathcal{O}(0; \{2^{16}, 3^{11}\})$	682
6	$\mathcal{O}(0; \{2^{12}, 3^{14}\})$	5462
6	$\mathcal{O}(0; \{2^8, 3^{17}\})$	43690
6	$\mathcal{O}(0; \{2^4, 3^{20}\})$	349526
6	$\mathcal{O}(0; \{2^{25}, 3^3, 6\})$	6
6	$\mathcal{O}(0; \{2^{21}, 3^6, 6\})$	42
6	$\mathcal{O}(0; \{2^{17}, 3^9, 6\})$	342
6	$\mathcal{O}(0; \{2^{13}, 3^{12}, 6\})$	2730
6	$\mathcal{O}(0; \{2^9, 3^{15}, 6\})$	21846
6	$\mathcal{O}(0; \{2^5, 3^{18}, 6\})$	174762
6	$\mathcal{O}(0; \{2, 3^{21}, 6\})$	1398102
6	$\mathcal{O}(0; \{2^{26}, 3, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{22}, 3^4, 6^2\})$	22
6	$\mathcal{O}(0; \{2^{18}, 3^7, 6^2\})$	170
6	$\mathcal{O}(0; \{2^{14}, 3^{10}, 6^2\})$	1366
6	$\mathcal{O}(0; \{2^{10}, 3^{13}, 6^2\})$	10922
6	$\mathcal{O}(0; \{2^6, 3^{16}, 6^2\})$	87382
6	$\mathcal{O}(0; \{2^2, 3^{19}, 6^2\})$	699050
6	$\mathcal{O}(0; \{2^{23}, 3^2, 6^3\})$	10
6	$\mathcal{O}(0; \{2^{19}, 3^5, 6^3\})$	86
6	$\mathcal{O}(0; \{2^{15}, 3^8, 6^3\})$	682
6	$\mathcal{O}(0; \{2^{11}, 3^{11}, 6^3\})$	5462
6	$\mathcal{O}(0; \{2^7, 3^{14}, 6^3\})$	43690
6	$\mathcal{O}(0; \{2^3, 3^{17}, 6^3\})$	349526
6	$\mathcal{O}(0; \{2^{24}, 6^4\})$	6
6	$\mathcal{O}(0; \{2^{20}, 3^3, 6^4\})$	42
6	$\mathcal{O}(0; \{2^{16}, 3^6, 6^4\})$	342
6	$\mathcal{O}(0; \{2^{12}, 3^9, 6^4\})$	2730
6	$\mathcal{O}(0; \{2^8, 3^{12}, 6^4\})$	21846

Continued on next page

Table 1 – continued from previous page

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

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Table 1 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^4, 6^{16}\})$	21846
6	$\mathcal{O}(0; \{3^3, 6^{16}\})$	174762
6	$\mathcal{O}(0; \{2, 3, 6^{17}\})$	87382
7	$\mathcal{O}(5; \{7^4\})$	52540396314
7	$\mathcal{O}(2; \{7^{11}\})$	124439388150
8	$\mathcal{O}(6; \emptyset)$	68702699520
8	$\mathcal{O}(5; \{2^4\})$	1072693248
8	$\mathcal{O}(5; \{2, 4^2\})$	2145386496
8	$\mathcal{O}(4; \{2^8\})$	16711680
8	$\mathcal{O}(4; \{2^5, 4^2\})$	33423360
8	$\mathcal{O}(4; \{2^2, 4^4\})$	133693440
8	$\mathcal{O}(4; \{2^3, 4, 8^2\})$	134217728
8	$\mathcal{O}(4; \{4^3, 8^2\})$	536870912
8	$\mathcal{O}(4; \{2, 8^4\})$	1073741824
8	$\mathcal{O}(3; \{2^{12}\})$	258048
8	$\mathcal{O}(3; \{2^9, 4^2\})$	516096
8	$\mathcal{O}(3; \{2^6, 4^4\})$	2064384
8	$\mathcal{O}(3; \{2^3, 4^6\})$	8257536
8	$\mathcal{O}(3; \{4^8\})$	33030144
8	$\mathcal{O}(3; \{2^7, 4, 8^2\})$	2097152
8	$\mathcal{O}(3; \{2^4, 4^3, 8^2\})$	8388608
8	$\mathcal{O}(3; \{2, 4^5, 8^2\})$	33554432
8	$\mathcal{O}(3; \{2^5, 8^4\})$	16777216
8	$\mathcal{O}(3; \{2^2, 4^2, 8^4\})$	67108864
8	$\mathcal{O}(3; \{4, 8^6\})$	536870912
8	$\mathcal{O}(2; \{2^{16}\})$	3840
8	$\mathcal{O}(2; \{2^{13}, 4^2\})$	7680
8	$\mathcal{O}(2; \{2^{10}, 4^4\})$	30720
8	$\mathcal{O}(2; \{2^7, 4^6\})$	122880
8	$\mathcal{O}(2; \{2^4, 4^8\})$	491520
8	$\mathcal{O}(2; \{2, 4^{10}\})$	1966080
8	$\mathcal{O}(2; \{2^{11}, 4, 8^2\})$	32768
8	$\mathcal{O}(2; \{2^8, 4^3, 8^2\})$	131072
8	$\mathcal{O}(2; \{2^5, 4^5, 8^2\})$	524288
8	$\mathcal{O}(2; \{2^2, 4^7, 8^2\})$	2097152
8	$\mathcal{O}(2; \{2^9, 8^4\})$	262144
8	$\mathcal{O}(2; \{2^6, 4^2, 8^4\})$	1048576
8	$\mathcal{O}(2; \{2^3, 4^4, 8^4\})$	4194304
8	$\mathcal{O}(2; \{4^6, 8^4\})$	16777216
8	$\mathcal{O}(2; \{2^4, 4, 8^6\})$	8388608
8	$\mathcal{O}(2; \{2, 4^3, 8^6\})$	33554432
8	$\mathcal{O}(2; \{2^2, 8^8\})$	67108864
8	$\mathcal{O}(1; \{2^{20}\})$	48

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Table 1 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^{17}, 4^2\})$	96
8	$\mathcal{O}(1; \{2^{14}, 4^4\})$	384
8	$\mathcal{O}(1; \{2^{11}, 4^6\})$	1536
8	$\mathcal{O}(1; \{2^8, 4^8\})$	6144
8	$\mathcal{O}(1; \{2^5, 4^{10}\})$	24576
8	$\mathcal{O}(1; \{2^2, 4^{12}\})$	98304
8	$\mathcal{O}(1; \{2^{15}, 4, 8^2\})$	512
8	$\mathcal{O}(1; \{2^{12}, 4^3, 8^2\})$	2048
8	$\mathcal{O}(1; \{2^9, 4^5, 8^2\})$	8192
8	$\mathcal{O}(1; \{2^6, 4^7, 8^2\})$	32768
8	$\mathcal{O}(1; \{2^3, 4^9, 8^2\})$	131072
8	$\mathcal{O}(1; \{4^{11}, 8^2\})$	524288
8	$\mathcal{O}(1; \{2^{13}, 8^4\})$	4096
8	$\mathcal{O}(1; \{2^{10}, 4^2, 8^4\})$	16384
8	$\mathcal{O}(1; \{2^7, 4^4, 8^4\})$	65536
8	$\mathcal{O}(1; \{2^4, 4^6, 8^4\})$	262144
8	$\mathcal{O}(1; \{2, 4^8, 8^4\})$	1048576
8	$\mathcal{O}(1; \{2^8, 4, 8^6\})$	131072
8	$\mathcal{O}(1; \{2^5, 4^3, 8^6\})$	524288
8	$\mathcal{O}(1; \{2^2, 4^5, 8^6\})$	2097152
8	$\mathcal{O}(1; \{2^6, 8^8\})$	1048576
8	$\mathcal{O}(1; \{2^3, 4^2, 8^8\})$	4194304
8	$\mathcal{O}(1; \{4^4, 8^8\})$	16777216
8	$\mathcal{O}(1; \{2, 4, 8^{10}\})$	33554432
8	$\mathcal{O}(0; \{2^{19}, 4, 8^2\})$	8
8	$\mathcal{O}(0; \{2^{16}, 4^3, 8^2\})$	32
8	$\mathcal{O}(0; \{2^{13}, 4^5, 8^2\})$	128
8	$\mathcal{O}(0; \{2^{10}, 4^7, 8^2\})$	512
8	$\mathcal{O}(0; \{2^7, 4^9, 8^2\})$	2048
8	$\mathcal{O}(0; \{2^4, 4^{11}, 8^2\})$	8192
8	$\mathcal{O}(0; \{2, 4^{13}, 8^2\})$	32768
8	$\mathcal{O}(0; \{2^{17}, 8^4\})$	64
8	$\mathcal{O}(0; \{2^{14}, 4^2, 8^4\})$	256
8	$\mathcal{O}(0; \{2^{11}, 4^4, 8^4\})$	1024
8	$\mathcal{O}(0; \{2^8, 4^6, 8^4\})$	4096
8	$\mathcal{O}(0; \{2^5, 4^8, 8^4\})$	16384
8	$\mathcal{O}(0; \{2^2, 4^{10}, 8^4\})$	65536
8	$\mathcal{O}(0; \{2^{12}, 4, 8^6\})$	2048
8	$\mathcal{O}(0; \{2^9, 4^3, 8^6\})$	8192
8	$\mathcal{O}(0; \{2^6, 4^5, 8^6\})$	32768
8	$\mathcal{O}(0; \{2^3, 4^7, 8^6\})$	131072
8	$\mathcal{O}(0; \{4^9, 8^6\})$	524288
8	$\mathcal{O}(0; \{2^{10}, 8^8\})$	16384

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Table 1 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^7, 4^2, 8^8\})$	65536
8	$\mathcal{O}(0; \{2^4, 4^4, 8^8\})$	262144
8	$\mathcal{O}(0; \{2, 4^6, 8^8\})$	1048576
8	$\mathcal{O}(0; \{2^5, 4, 8^{10}\})$	524288
8	$\mathcal{O}(0; \{2^2, 4^3, 8^{10}\})$	2097152
8	$\mathcal{O}(0; \{2^3, 8^{12}\})$	4194304
8	$\mathcal{O}(0; \{4^2, 8^{12}\})$	16777216
9	$\mathcal{O}(3; \{3^2, 9^4\})$	344373768
9	$\mathcal{O}(2; \{3^5, 9^4\})$	34012224
9	$\mathcal{O}(2; \{3, 9^7\})$	401769396
9	$\mathcal{O}(1; \{3^8, 9^4\})$	3359232
9	$\mathcal{O}(1; \{3^4, 9^7\})$	39680928
9	$\mathcal{O}(1; \{9^{10}\})$	545258466
9	$\mathcal{O}(0; \{3^{11}, 9^4\})$	331776
9	$\mathcal{O}(0; \{3^7, 9^7\})$	3919104
9	$\mathcal{O}(0; \{3^3, 9^{10}\})$	53852688
10	$\mathcal{O}(5; \emptyset)$	9990233352
10	$\mathcal{O}(4; \{2^4\})$	99999744
10	$\mathcal{O}(3; \{2^8\})$	999936
10	$\mathcal{O}(3; \{5^5\})$	200812500
10	$\mathcal{O}(3; \{2^3, 5^2, 10\})$	12000000
10	$\mathcal{O}(3; \{2, 5, 10^3\})$	52000000
10	$\mathcal{O}(2; \{2^{12}\})$	9984
10	$\mathcal{O}(2; \{2^4, 5^5\})$	2040000
10	$\mathcal{O}(2; \{2^7, 5^2, 10\})$	120000
10	$\mathcal{O}(2; \{2^2, 5^4, 10^2\})$	8200000
10	$\mathcal{O}(2; \{2^5, 5, 10^3\})$	520000
10	$\mathcal{O}(2; \{5^3, 10^4\})$	32760000
10	$\mathcal{O}(2; \{2^3, 10^5\})$	2040000
10	$\mathcal{O}(1; \{2^{16}\})$	96
10	$\mathcal{O}(1; \{2^8, 5^5\})$	20400
10	$\mathcal{O}(1; \{5^{10}\})$	15728700
10	$\mathcal{O}(1; \{2^{11}, 5^2, 10\})$	1200
10	$\mathcal{O}(1; \{2^3, 5^7, 10\})$	1310800
10	$\mathcal{O}(1; \{2^6, 5^4, 10^2\})$	82000
10	$\mathcal{O}(1; \{2^9, 5, 10^3\})$	5200
10	$\mathcal{O}(1; \{2, 5^6, 10^3\})$	5242800
10	$\mathcal{O}(1; \{2^4, 5^3, 10^4\})$	327600
10	$\mathcal{O}(1; \{2^7, 10^5\})$	20400
10	$\mathcal{O}(1; \{2^2, 5^2, 10^6\})$	1310800
10	$\mathcal{O}(1; \{5, 10^8\})$	5242800
10	$\mathcal{O}(0; \{2^{12}, 5^5\})$	204
10	$\mathcal{O}(0; \{2^4, 5^{10}\})$	209716

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Table 1 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2^{15}, 5^2, 10\})$	12
10	$\mathcal{O}(0; \{2^7, 5^7, 10\})$	13108
10	$\mathcal{O}(0; \{2^{10}, 5^4, 10^2\})$	820
10	$\mathcal{O}(0; \{2^2, 5^9, 10^2\})$	838860
10	$\mathcal{O}(0; \{2^{13}, 5, 10^3\})$	52
10	$\mathcal{O}(0; \{2^5, 5^6, 10^3\})$	52428
10	$\mathcal{O}(0; \{2^8, 5^3, 10^4\})$	3276
10	$\mathcal{O}(0; \{5^8, 10^4\})$	3355444
10	$\mathcal{O}(0; \{2^{11}, 10^5\})$	204
10	$\mathcal{O}(0; \{2^3, 5^5, 10^5\})$	209716
10	$\mathcal{O}(0; \{2^6, 5^2, 10^6\})$	13108
10	$\mathcal{O}(0; \{2, 5^4, 10^7\})$	838860
10	$\mathcal{O}(0; \{2^4, 5, 10^8\})$	52428
10	$\mathcal{O}(0; \{2^2, 10^{10}\})$	209716
11	$\mathcal{O}(1; \{11^8\})$	1100000110
12	$\mathcal{O}(3; \{3^4\})$	17635968
12	$\mathcal{O}(3; \{2, 3^2, 6\})$	5878656
12	$\mathcal{O}(3; \{2^2, 6^2\})$	5878656
12	$\mathcal{O}(3; \{6, 12^2\})$	11943936
12	$\mathcal{O}(2; \{2^4, 3^4\})$	116640
12	$\mathcal{O}(2; \{3^7\})$	816480
12	$\mathcal{O}(2; \{2, 3^4, 4^2\})$	248832
12	$\mathcal{O}(2; \{2^5, 3^2, 6\})$	38880
12	$\mathcal{O}(2; \{2, 3^5, 6\})$	427680
12	$\mathcal{O}(2; \{2^2, 3^2, 4^2, 6\})$	82944
12	$\mathcal{O}(2; \{2^6, 6^2\})$	38880
12	$\mathcal{O}(2; \{2^2, 3^3, 6^2\})$	194400
12	$\mathcal{O}(2; \{2^3, 4^2, 6^2\})$	82944
12	$\mathcal{O}(2; \{4^4, 6^2\})$	331776
12	$\mathcal{O}(2; \{2^3, 3, 6^3\})$	116640
12	$\mathcal{O}(2; \{3, 4^2, 6^3\})$	248832
12	$\mathcal{O}(2; \{3^2, 6^4\})$	427680
12	$\mathcal{O}(2; \{2, 6^5\})$	194400
12	$\mathcal{O}(2; \{2^2, 3^3, 4, 12\})$	248832
12	$\mathcal{O}(2; \{2^3, 3, 4, 6, 12\})$	82944
12	$\mathcal{O}(2; \{3, 4^3, 6, 12\})$	331776
12	$\mathcal{O}(2; \{3^2, 4, 6^2, 12\})$	414720
12	$\mathcal{O}(2; \{2, 4, 6^3, 12\})$	248832
12	$\mathcal{O}(2; \{2^3, 3^2, 12^2\})$	248832
12	$\mathcal{O}(2; \{3^2, 4^2, 12^2\})$	995328
12	$\mathcal{O}(2; \{2^4, 6, 12^2\})$	82944
12	$\mathcal{O}(2; \{3^3, 6, 12^2\})$	912384
12	$\mathcal{O}(2; \{2, 4^2, 6, 12^2\})$	331776

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Table 1 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 3, 6^2, 12^2\})$	414720
12	$\mathcal{O}(2; \{2, 3, 4, 12^3\})$	995328
12	$\mathcal{O}(2; \{2^2, 12^4\})$	995328
12	$\mathcal{O}(1; \{2^8, 3^4\})$	648
12	$\mathcal{O}(1; \{2^4, 3^7\})$	4536
12	$\mathcal{O}(1; \{3^{10}\})$	36936
12	$\mathcal{O}(1; \{2^5, 3^4, 4^2\})$	1728
12	$\mathcal{O}(1; \{2, 3^7, 4^2\})$	12096
12	$\mathcal{O}(1; \{2^2, 3^4, 4^4\})$	6912
12	$\mathcal{O}(1; \{2^9, 3^2, 6\})$	216
12	$\mathcal{O}(1; \{2^5, 3^5, 6\})$	2376
12	$\mathcal{O}(1; \{2, 3^8, 6\})$	18360
12	$\mathcal{O}(1; \{2^6, 3^2, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{2^2, 3^5, 4^2, 6\})$	6336
12	$\mathcal{O}(1; \{2^3, 3^2, 4^4, 6\})$	2304
12	$\mathcal{O}(1; \{3^2, 4^6, 6\})$	9216
12	$\mathcal{O}(1; \{2^{10}, 6^2\})$	216
12	$\mathcal{O}(1; \{2^6, 3^3, 6^2\})$	1080
12	$\mathcal{O}(1; \{2^2, 3^6, 6^2\})$	9288
12	$\mathcal{O}(1; \{2^7, 4^2, 6^2\})$	576
12	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 6^2\})$	2880
12	$\mathcal{O}(1; \{2^4, 4^4, 6^2\})$	2304
12	$\mathcal{O}(1; \{3^3, 4^4, 6^2\})$	11520
12	$\mathcal{O}(1; \{2, 4^6, 6^2\})$	9216
12	$\mathcal{O}(1; \{2^7, 3, 6^3\})$	648
12	$\mathcal{O}(1; \{2^3, 3^4, 6^3\})$	4536
12	$\mathcal{O}(1; \{2^4, 3, 4^2, 6^3\})$	1728
12	$\mathcal{O}(1; \{3^4, 4^2, 6^3\})$	12096
12	$\mathcal{O}(1; \{2, 3, 4^4, 6^3\})$	6912
12	$\mathcal{O}(1; \{2^4, 3^2, 6^4\})$	2376
12	$\mathcal{O}(1; \{3^5, 6^4\})$	18360
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^4\})$	6336
12	$\mathcal{O}(1; \{2^5, 6^5\})$	1080
12	$\mathcal{O}(1; \{2, 3^3, 6^5\})$	9288
12	$\mathcal{O}(1; \{2^2, 4^2, 6^5\})$	2880
12	$\mathcal{O}(1; \{2^2, 3, 6^6\})$	4536
12	$\mathcal{O}(1; \{6^8\})$	9288
12	$\mathcal{O}(1; \{2^6, 3^3, 4, 12\})$	1728
12	$\mathcal{O}(1; \{2^2, 3^6, 4, 12\})$	12096
12	$\mathcal{O}(1; \{2^3, 3^3, 4^3, 12\})$	6912
12	$\mathcal{O}(1; \{3^3, 4^5, 12\})$	27648
12	$\mathcal{O}(1; \{2^7, 3, 4, 6, 12\})$	576
12	$\mathcal{O}(1; \{2^3, 3^4, 4, 6, 12\})$	6336

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Table 1 – continued from previous page

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

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Table 1 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 6^3, 12^4\})$	48384
12	$\mathcal{O}(1; \{3^2, 4, 12^5\})$	193536
12	$\mathcal{O}(1; \{2, 4, 6, 12^5\})$	101376
12	$\mathcal{O}(1; \{2, 3, 12^6\})$	193536
12	$\mathcal{O}(0; \{2^9, 3^4, 4^2\})$	12
12	$\mathcal{O}(0; \{2^5, 3^7, 4^2\})$	84
12	$\mathcal{O}(0; \{2, 3^{10}, 4^2\})$	684
12	$\mathcal{O}(0; \{2^6, 3^4, 4^4\})$	48
12	$\mathcal{O}(0; \{2^2, 3^7, 4^4\})$	336
12	$\mathcal{O}(0; \{2^3, 3^4, 4^6\})$	192
12	$\mathcal{O}(0; \{3^4, 4^8\})$	768
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^2, 6\})$	4
12	$\mathcal{O}(0; \{2^6, 3^5, 4^2, 6\})$	44
12	$\mathcal{O}(0; \{2^2, 3^8, 4^2, 6\})$	340
12	$\mathcal{O}(0; \{2^7, 3^2, 4^4, 6\})$	16
12	$\mathcal{O}(0; \{2^3, 3^5, 4^4, 6\})$	176
12	$\mathcal{O}(0; \{2^4, 3^2, 4^6, 6\})$	64
12	$\mathcal{O}(0; \{3^5, 4^6, 6\})$	704
12	$\mathcal{O}(0; \{2, 3^2, 4^8, 6\})$	256
12	$\mathcal{O}(0; \{2^{11}, 4^2, 6^2\})$	4
12	$\mathcal{O}(0; \{2^7, 3^3, 4^2, 6^2\})$	20
12	$\mathcal{O}(0; \{2^3, 3^6, 4^2, 6^2\})$	172
12	$\mathcal{O}(0; \{2^8, 4^4, 6^2\})$	16
12	$\mathcal{O}(0; \{2^4, 3^3, 4^4, 6^2\})$	80
12	$\mathcal{O}(0; \{3^6, 4^4, 6^2\})$	688
12	$\mathcal{O}(0; \{2^5, 4^6, 6^2\})$	64
12	$\mathcal{O}(0; \{2, 3^3, 4^6, 6^2\})$	320
12	$\mathcal{O}(0; \{2^2, 4^8, 6^2\})$	256
12	$\mathcal{O}(0; \{2^8, 3, 4^2, 6^3\})$	12
12	$\mathcal{O}(0; \{2^4, 3^4, 4^2, 6^3\})$	84
12	$\mathcal{O}(0; \{3^7, 4^2, 6^3\})$	684
12	$\mathcal{O}(0; \{2^5, 3, 4^4, 6^3\})$	48
12	$\mathcal{O}(0; \{2, 3^4, 4^4, 6^3\})$	336
12	$\mathcal{O}(0; \{2^2, 3, 4^6, 6^3\})$	192
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6^4\})$	44
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 6^4\})$	340
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6^4\})$	176
12	$\mathcal{O}(0; \{2^6, 4^2, 6^5\})$	20
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^5\})$	172
12	$\mathcal{O}(0; \{2^3, 4^4, 6^5\})$	80
12	$\mathcal{O}(0; \{4^6, 6^5\})$	320
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^6\})$	84
12	$\mathcal{O}(0; \{3, 4^4, 6^6\})$	336

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Table 1 – continued from previous page

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

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Table 1 – continued from previous page

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

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3, 4^3, 12^3\})$	192
12	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^3, 3, 4^5, 12^3\})$	768
12	$\mathcal{O}(0; \{3, 4^7, 12^3\})$	3072
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 6, 12^3\})$	176
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 6, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6, 12^3\})$	704
12	$\mathcal{O}(0; \{3^2, 4^5, 6, 12^3\})$	2816
12	$\mathcal{O}(0; \{2^7, 4, 6^2, 12^3\})$	80
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^2, 12^3\})$	688
12	$\mathcal{O}(0; \{2^4, 4^3, 6^2, 12^3\})$	320
12	$\mathcal{O}(0; \{3^3, 4^3, 6^2, 12^3\})$	2752
12	$\mathcal{O}(0; \{2, 4^5, 6^2, 12^3\})$	1280
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^3, 12^3\})$	336
12	$\mathcal{O}(0; \{3^4, 4, 6^3, 12^3\})$	2736
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^3, 12^3\})$	1344
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^4, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^2, 4, 6^5, 12^3\})$	688
12	$\mathcal{O}(0; \{2^{10}, 12^4\})$	48
12	$\mathcal{O}(0; \{2^6, 3^3, 12^4\})$	336
12	$\mathcal{O}(0; \{2^2, 3^6, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^7, 4^2, 12^4\})$	192
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^4, 4^4, 12^4\})$	768
12	$\mathcal{O}(0; \{3^3, 4^4, 12^4\})$	5376
12	$\mathcal{O}(0; \{2, 4^6, 12^4\})$	3072
12	$\mathcal{O}(0; \{2^7, 3, 6, 12^4\})$	176
12	$\mathcal{O}(0; \{2^3, 3^4, 6, 12^4\})$	1360
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6, 12^4\})$	704
12	$\mathcal{O}(0; \{3^4, 4^2, 6, 12^4\})$	5440
12	$\mathcal{O}(0; \{2, 3, 4^4, 6, 12^4\})$	2816
12	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 12^4\})$	688
12	$\mathcal{O}(0; \{3^5, 6^2, 12^4\})$	5456
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^2, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^5, 6^3, 12^4\})$	336
12	$\mathcal{O}(0; \{2, 3^3, 6^3, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^2, 4^2, 6^3, 12^4\})$	1344
12	$\mathcal{O}(0; \{2^2, 3, 6^4, 12^4\})$	1360
12	$\mathcal{O}(0; \{6^6, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 12^5\})$	1344
12	$\mathcal{O}(0; \{3^5, 4, 12^5\})$	10944
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 12^5\})$	5376
12	$\mathcal{O}(0; \{2^5, 4, 6, 12^5\})$	704

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Table 1 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^3, 4, 6, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^2, 4^3, 6, 12^5\})$	2816
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 12^5\})$	2752
12	$\mathcal{O}(0; \{4, 6^4, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^5, 3, 12^6\})$	1344
12	$\mathcal{O}(0; \{2, 3^4, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 12^6\})$	5376
12	$\mathcal{O}(0; \{2^2, 3^2, 6, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^3, 6^2, 12^6\})$	2752
12	$\mathcal{O}(0; \{4^2, 6^2, 12^6\})$	11008
12	$\mathcal{O}(0; \{3, 6^3, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^3, 4, 12^7\})$	5376
12	$\mathcal{O}(0; \{4^3, 12^7\})$	21504
12	$\mathcal{O}(0; \{3, 4, 6, 12^7\})$	21760
12	$\mathcal{O}(0; \{3^2, 12^8\})$	43776
12	$\mathcal{O}(0; \{2, 6, 12^8\})$	21760
14	$\mathcal{O}(3; \{7^2\})$	44471322
14	$\mathcal{O}(2; \{2^4, 7^2\})$	230496
14	$\mathcal{O}(2; \{2^2, 7, 14^2\})$	1152480
14	$\mathcal{O}(2; \{14^4\})$	7145376
14	$\mathcal{O}(1; \{2^8, 7^2\})$	1176
14	$\mathcal{O}(1; \{2, 7^5, 14\})$	1306536
14	$\mathcal{O}(1; \{2^6, 7, 14^2\})$	5880
14	$\mathcal{O}(1; \{2^4, 14^4\})$	36456
14	$\mathcal{O}(0; \{2^{12}, 7^2\})$	6
14	$\mathcal{O}(0; \{2^5, 7^5, 14\})$	6666
14	$\mathcal{O}(0; \{2^{10}, 7, 14^2\})$	30
14	$\mathcal{O}(0; \{2^3, 7^4, 14^3\})$	39990
14	$\mathcal{O}(0; \{2^8, 14^4\})$	186
14	$\mathcal{O}(0; \{2, 7^3, 14^5\})$	239946
15	$\mathcal{O}(3; \{3^2\})$	22779792
15	$\mathcal{O}(2; \{3^5\})$	505440
15	$\mathcal{O}(2; \{3, 5, 15^2\})$	1215000
15	$\mathcal{O}(1; \{3^8\})$	18576
15	$\mathcal{O}(1; \{3^2, 5^5\})$	91800
15	$\mathcal{O}(1; \{3^3, 5^3, 15\})$	70200
15	$\mathcal{O}(1; \{3^4, 5, 15^2\})$	59400
15	$\mathcal{O}(1; \{5^2, 15^4\})$	1107000
15	$\mathcal{O}(1; \{3, 15^5\})$	1009800
15	$\mathcal{O}(0; \{3^5, 5^5\})$	2040
15	$\mathcal{O}(0; \{3^6, 5^3, 15\})$	2184
15	$\mathcal{O}(0; \{3^7, 5, 15^2\})$	2040
15	$\mathcal{O}(0; \{3, 5^6, 15^2\})$	26216

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Table 1 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(0; \{3^2, 5^4, 15^3\})$	32760
15	$\mathcal{O}(0; \{3^3, 5^2, 15^4\})$	34440
15	$\mathcal{O}(0; \{3^4, 15^5\})$	34680
15	$\mathcal{O}(0; \{5, 15^7\})$	550536
16	$\mathcal{O}(3; \{2^2\})$	16515072
16	$\mathcal{O}(2; \{2^6\})$	61440
16	$\mathcal{O}(2; \{2^3, 4^2\})$	122880
16	$\mathcal{O}(2; \{4^4\})$	491520
16	$\mathcal{O}(2; \{2, 4, 8^2\})$	491520
16	$\mathcal{O}(1; \{2^{10}\})$	192
16	$\mathcal{O}(1; \{2^7, 4^2\})$	384
16	$\mathcal{O}(1; \{2^4, 4^4\})$	1536
16	$\mathcal{O}(1; \{2, 4^6\})$	6144
16	$\mathcal{O}(1; \{2^5, 4, 8^2\})$	1536
16	$\mathcal{O}(1; \{2^2, 4^3, 8^2\})$	6144
16	$\mathcal{O}(1; \{2^3, 8^4\})$	12288
16	$\mathcal{O}(1; \{4^2, 8^4\})$	49152
16	$\mathcal{O}(1; \{2^3, 4, 8, 16^2\})$	16384
16	$\mathcal{O}(1; \{4^3, 8, 16^2\})$	65536
16	$\mathcal{O}(1; \{2, 8^3, 16^2\})$	131072
16	$\mathcal{O}(1; \{2, 4, 16^4\})$	262144
16	$\mathcal{O}(0; \{2^7, 4, 8, 16^2\})$	64
16	$\mathcal{O}(0; \{2^4, 4^3, 8, 16^2\})$	256
16	$\mathcal{O}(0; \{2, 4^5, 8, 16^2\})$	1024
16	$\mathcal{O}(0; \{2^5, 8^3, 16^2\})$	512
16	$\mathcal{O}(0; \{2^2, 4^2, 8^3, 16^2\})$	2048
16	$\mathcal{O}(0; \{4, 8^5, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^5, 4, 16^4\})$	1024
16	$\mathcal{O}(0; \{2^2, 4^3, 16^4\})$	4096
16	$\mathcal{O}(0; \{2^3, 8^2, 16^4\})$	8192
16	$\mathcal{O}(0; \{4^2, 8^2, 16^4\})$	32768
16	$\mathcal{O}(0; \{2, 8, 16^6\})$	131072
17	$\mathcal{O}(1; \{17^5\})$	17825520
18	$\mathcal{O}(2; \{3, 9^2\})$	1180980
18	$\mathcal{O}(1; \{2^4, 3, 9^2\})$	3888
18	$\mathcal{O}(1; \{3^4, 9^2\})$	23328
18	$\mathcal{O}(1; \{2, 3^2, 6, 9^2\})$	15552
18	$\mathcal{O}(1; \{2^2, 6^2, 9^2\})$	7776
18	$\mathcal{O}(1; \{9^5\})$	196830
18	$\mathcal{O}(1; \{6, 9^3, 18\})$	104976
18	$\mathcal{O}(1; \{2^2, 3, 9, 18^2\})$	11664
18	$\mathcal{O}(1; \{6^2, 9, 18^2\})$	23328
18	$\mathcal{O}(1; \{3, 18^4\})$	104976

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Table 1 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^8, 3, 9^2\})$	12
18	$\mathcal{O}(0; \{2^4, 3^4, 9^2\})$	96
18	$\mathcal{O}(0; \{2^5, 3^2, 6, 9^2\})$	48
18	$\mathcal{O}(0; \{2, 3^5, 6, 9^2\})$	384
18	$\mathcal{O}(0; \{2^6, 6^2, 9^2\})$	24
18	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 9^2\})$	192
18	$\mathcal{O}(0; \{2^3, 3, 6^3, 9^2\})$	96
18	$\mathcal{O}(0; \{3^2, 6^4, 9^2\})$	384
18	$\mathcal{O}(0; \{2, 6^5, 9^2\})$	192
18	$\mathcal{O}(0; \{2^4, 9^5\})$	810
18	$\mathcal{O}(0; \{2, 3, 6, 9^5\})$	3240
18	$\mathcal{O}(0; \{2^3, 3^2, 9^3, 18\})$	648
18	$\mathcal{O}(0; \{2^4, 6, 9^3, 18\})$	324
18	$\mathcal{O}(0; \{3^3, 6, 9^3, 18\})$	2592
18	$\mathcal{O}(0; \{2, 3, 6^2, 9^3, 18\})$	1296
18	$\mathcal{O}(0; \{2^6, 3, 9, 18^2\})$	36
18	$\mathcal{O}(0; \{2^2, 3^4, 9, 18^2\})$	288
18	$\mathcal{O}(0; \{2^3, 3^2, 6, 9, 18^2\})$	144
18	$\mathcal{O}(0; \{2^4, 6^2, 9, 18^2\})$	72
18	$\mathcal{O}(0; \{3^3, 6^2, 9, 18^2\})$	576
18	$\mathcal{O}(0; \{2, 3, 6^3, 9, 18^2\})$	288
18	$\mathcal{O}(0; \{2^2, 9^4, 18^2\})$	5346
18	$\mathcal{O}(0; \{2, 3^2, 9^2, 18^3\})$	3240
18	$\mathcal{O}(0; \{2^2, 6, 9^2, 18^3\})$	1620
18	$\mathcal{O}(0; \{2^4, 3, 18^4\})$	324
18	$\mathcal{O}(0; \{3^4, 18^4\})$	2592
18	$\mathcal{O}(0; \{2, 3^2, 6, 18^4\})$	1296
18	$\mathcal{O}(0; \{2^2, 6^2, 18^4\})$	648
18	$\mathcal{O}(0; \{9^3, 18^4\})$	30618
18	$\mathcal{O}(0; \{6, 9, 18^5\})$	10692
20	$\mathcal{O}(3; \emptyset)$	62995968
20	$\mathcal{O}(2; \{2^4\})$	149760
20	$\mathcal{O}(2; \{2, 4^2\})$	319488
20	$\mathcal{O}(1; \{2^8\})$	288
20	$\mathcal{O}(1; \{2^5, 4^2\})$	768
20	$\mathcal{O}(1; \{2^2, 4^4\})$	3072
20	$\mathcal{O}(1; \{5^5\})$	61200
20	$\mathcal{O}(1; \{2^3, 5^2, 10\})$	3600
20	$\mathcal{O}(1; \{4^2, 5^2, 10\})$	9600
20	$\mathcal{O}(1; \{2, 5, 10^3\})$	15600
20	$\mathcal{O}(1; \{2^3, 4, 5, 20\})$	3200
20	$\mathcal{O}(1; \{4^3, 5, 20\})$	12800
20	$\mathcal{O}(1; \{2, 4, 10^2, 20\})$	9600

Continued on next page

Table 1 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(1; \{2, 5^2, 20^2\})$	41600
20	$\mathcal{O}(0; \{2, 4^2, 5^5\})$	408
20	$\mathcal{O}(0; \{2^4, 4^2, 5^2, 10\})$	24
20	$\mathcal{O}(0; \{2, 4^4, 5^2, 10\})$	96
20	$\mathcal{O}(0; \{2^2, 4^2, 5, 10^3\})$	104
20	$\mathcal{O}(0; \{4^2, 10^5\})$	408
20	$\mathcal{O}(0; \{2^7, 4, 5, 20\})$	8
20	$\mathcal{O}(0; \{2^4, 4^3, 5, 20\})$	32
20	$\mathcal{O}(0; \{2, 4^5, 5, 20\})$	128
20	$\mathcal{O}(0; \{2^2, 4, 5^3, 10, 20\})$	408
20	$\mathcal{O}(0; \{2^5, 4, 10^2, 20\})$	24
20	$\mathcal{O}(0; \{2^2, 4^3, 10^2, 20\})$	96
20	$\mathcal{O}(0; \{4, 5^2, 10^3, 20\})$	1640
20	$\mathcal{O}(0; \{2^5, 5^2, 20^2\})$	104
20	$\mathcal{O}(0; \{2^2, 4^2, 5^2, 20^2\})$	416
20	$\mathcal{O}(0; \{5^4, 10, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^3, 5, 10^2, 20^2\})$	408
20	$\mathcal{O}(0; \{4^2, 5, 10^2, 20^2\})$	1632
20	$\mathcal{O}(0; \{2, 10^4, 20^2\})$	1640
20	$\mathcal{O}(0; \{4, 5^3, 20^3\})$	6560
20	$\mathcal{O}(0; \{2^3, 4, 10, 20^3\})$	416
20	$\mathcal{O}(0; \{4^3, 10, 20^3\})$	1664
20	$\mathcal{O}(0; \{2, 5, 10, 20^4\})$	6560
20	$\mathcal{O}(0; \{2, 4, 20^5\})$	6528
21	$\mathcal{O}(1; \{3^3, 7, 21\})$	15876
21	$\mathcal{O}(1; \{21^4\})$	492156
21	$\mathcal{O}(0; \{3^6, 7, 21\})$	252
21	$\mathcal{O}(0; \{3^2, 7^3, 21^2\})$	6660
21	$\mathcal{O}(0; \{3^3, 21^4\})$	7812
22	$\mathcal{O}(1; \{11^4\})$	330330
22	$\mathcal{O}(0; \{2^4, 11^4\})$	910
22	$\mathcal{O}(0; \{2^2, 11^3, 22^2\})$	9090
22	$\mathcal{O}(0; \{11^2, 22^4\})$	90910
24	$\mathcal{O}(2; \{3^2\})$	622080
24	$\mathcal{O}(1; \{2^4, 3^2\})$	864
24	$\mathcal{O}(1; \{3^5\})$	4320
24	$\mathcal{O}(1; \{2, 3^2, 4^2\})$	1728
24	$\mathcal{O}(1; \{2, 3^3, 6\})$	2592
24	$\mathcal{O}(1; \{2^2, 3, 6^2\})$	864
24	$\mathcal{O}(1; \{6^4\})$	2592
24	$\mathcal{O}(1; \{2^2, 3, 4, 12\})$	1728
24	$\mathcal{O}(1; \{4, 6^2, 12\})$	1728
24	$\mathcal{O}(1; \{3, 8^2, 12\})$	9216

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Table 1 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^3, 12^2\})$	1728
24	$\mathcal{O}(1; \{4^2, 12^2\})$	6912
24	$\mathcal{O}(1; \{3, 6, 12^2\})$	5184
24	$\mathcal{O}(1; \{3, 6, 8, 24\})$	4608
24	$\mathcal{O}(1; \{3, 4, 24^2\})$	9216
24	$\mathcal{O}(1; \{2, 12, 24^2\})$	9216
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 8^2\})$	16
24	$\mathcal{O}(0; \{3^2, 4^3, 8^2\})$	64
24	$\mathcal{O}(0; \{3^3, 4, 6, 8^2\})$	48
24	$\mathcal{O}(0; \{2, 3, 4, 6^2, 8^2\})$	16
24	$\mathcal{O}(0; \{2, 3^2, 8^4\})$	128
24	$\mathcal{O}(0; \{2^4, 3, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{3^4, 8^2, 12\})$	80
24	$\mathcal{O}(0; \{2, 3, 4^2, 8^2, 12\})$	64
24	$\mathcal{O}(0; \{2, 3^2, 6, 8^2, 12\})$	48
24	$\mathcal{O}(0; \{2^2, 6^2, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{2^2, 4, 8^2, 12^2\})$	64
24	$\mathcal{O}(0; \{8^4, 12^2\})$	512
24	$\mathcal{O}(0; \{6, 8^2, 12^3\})$	192
24	$\mathcal{O}(0; \{2^3, 3^3, 8, 24\})$	24
24	$\mathcal{O}(0; \{3^3, 4^2, 8, 24\})$	96
24	$\mathcal{O}(0; \{2^4, 3, 6, 8, 24\})$	8
24	$\mathcal{O}(0; \{3^4, 6, 8, 24\})$	88
24	$\mathcal{O}(0; \{2, 3, 4^2, 6, 8, 24\})$	32
24	$\mathcal{O}(0; \{2, 3^2, 6^2, 8, 24\})$	40
24	$\mathcal{O}(0; \{2^2, 6^3, 8, 24\})$	24
24	$\mathcal{O}(0; \{2, 3^2, 4, 8, 12, 24\})$	96
24	$\mathcal{O}(0; \{2^2, 4, 6, 8, 12, 24\})$	32
24	$\mathcal{O}(0; \{6, 8^3, 12, 24\})$	256
24	$\mathcal{O}(0; \{2^2, 3, 8, 12^2, 24\})$	96
24	$\mathcal{O}(0; \{6^2, 8, 12^2, 24\})$	160
24	$\mathcal{O}(0; \{4, 8, 12^3, 24\})$	384
24	$\mathcal{O}(0; \{2^4, 3, 4, 24^2\})$	16
24	$\mathcal{O}(0; \{3^4, 4, 24^2\})$	176
24	$\mathcal{O}(0; \{2, 3, 4^3, 24^2\})$	64
24	$\mathcal{O}(0; \{2, 3^2, 4, 6, 24^2\})$	80
24	$\mathcal{O}(0; \{2^2, 4, 6^2, 24^2\})$	48
24	$\mathcal{O}(0; \{2^2, 3, 8^2, 24^2\})$	128
24	$\mathcal{O}(0; \{6^2, 8^2, 24^2\})$	384
24	$\mathcal{O}(0; \{2^5, 12, 24^2\})$	16
24	$\mathcal{O}(0; \{2, 3^3, 12, 24^2\})$	176
24	$\mathcal{O}(0; \{2^2, 4^2, 12, 24^2\})$	64
24	$\mathcal{O}(0; \{2^2, 3, 6, 12, 24^2\})$	80

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Table 1 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{6^3, 12, 24^2\})$	176
24	$\mathcal{O}(0; \{4, 8^2, 12, 24^2\})$	512
24	$\mathcal{O}(0; \{4, 6, 12^2, 24^2\})$	320
24	$\mathcal{O}(0; \{3, 12^3, 24^2\})$	704
24	$\mathcal{O}(0; \{4, 6, 8, 24^3\})$	768
24	$\mathcal{O}(0; \{3, 8, 12, 24^3\})$	1280
24	$\mathcal{O}(0; \{2^3, 24^4\})$	384
24	$\mathcal{O}(0; \{4^2, 24^4\})$	1536
24	$\mathcal{O}(0; \{3, 6, 24^4\})$	1408
25	$\mathcal{O}(1; \{5^4\})$	31200
28	$\mathcal{O}(1; \{2^2, 14^2\})$	3528
28	$\mathcal{O}(1; \{14, 28^2\})$	47040
28	$\mathcal{O}(0; \{2^3, 4^2, 14^2\})$	12
28	$\mathcal{O}(0; \{4^4, 14^2\})$	48
28	$\mathcal{O}(0; \{2, 4, 7^2, 14, 28\})$	372
28	$\mathcal{O}(0; \{2^4, 14, 28^2\})$	60
28	$\mathcal{O}(0; \{2, 4^2, 14, 28^2\})$	240
28	$\mathcal{O}(0; \{2^2, 28^4\})$	1488
30	$\mathcal{O}(1; \{3^4\})$	3888
30	$\mathcal{O}(1; \{2, 3^2, 6\})$	1728
30	$\mathcal{O}(1; \{2^2, 6^2\})$	1728
30	$\mathcal{O}(1; \{6, 10, 15\})$	7200
30	$\mathcal{O}(1; \{5, 15^2\})$	16200
30	$\mathcal{O}(0; \{3^2, 5^2, 6, 10\})$	24
30	$\mathcal{O}(0; \{2, 5^2, 6^2, 10\})$	24
30	$\mathcal{O}(0; \{2, 5^3, 6, 15\})$	104
30	$\mathcal{O}(0; \{2^3, 3^2, 10, 15\})$	8
30	$\mathcal{O}(0; \{2^4, 6, 10, 15\})$	8
30	$\mathcal{O}(0; \{3^3, 6, 10, 15\})$	40
30	$\mathcal{O}(0; \{2, 3, 6^2, 10, 15\})$	24
30	$\mathcal{O}(0; \{2^4, 5, 15^2\})$	24
30	$\mathcal{O}(0; \{2, 3, 5, 6, 15^2\})$	72
30	$\mathcal{O}(0; \{2^2, 10^2, 15^2\})$	104
30	$\mathcal{O}(0; \{3^3, 5, 10, 30\})$	72
30	$\mathcal{O}(0; \{2, 3, 5, 6, 10, 30\})$	24
30	$\mathcal{O}(0; \{2, 3, 5^2, 15, 30\})$	104
30	$\mathcal{O}(0; \{2, 3^2, 15^2, 30\})$	120
30	$\mathcal{O}(0; \{2^2, 6, 15^2, 30\})$	72
30	$\mathcal{O}(0; \{10, 15^3, 30\})$	1224
30	$\mathcal{O}(0; \{2, 3^2, 10, 30^2\})$	72
30	$\mathcal{O}(0; \{2^2, 6, 10, 30^2\})$	24
30	$\mathcal{O}(0; \{2^2, 5, 15, 30^2\})$	104
30	$\mathcal{O}(0; \{10^2, 15, 30^2\})$	408

Continued on next page

Table 1 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{6, 15, 30^3\})$	520
30	$\mathcal{O}(0; \{5, 30^4\})$	1224
32	$\mathcal{O}(1; \{2^2, 4^2\})$	1536
32	$\mathcal{O}(1; \{4, 8^2\})$	6144
32	$\mathcal{O}(0; \{4, 8, 16, 32^2\})$	1024
33	$\mathcal{O}(0; \{3, 11^2, 33^2\})$	1820
34	$\mathcal{O}(0; \{2^3, 17^2, 34\})$	240
34	$\mathcal{O}(0; \{2, 17, 34^3\})$	3856
35	$\mathcal{O}(0; \{5^2, 7^2, 35\})$	360
36	$\mathcal{O}(0; \{4^2, 9^2, 18\})$	36
36	$\mathcal{O}(0; \{4^2, 6, 18^2\})$	24
36	$\mathcal{O}(0; \{3, 4, 12, 18^2\})$	48
36	$\mathcal{O}(0; \{2, 12^2, 18^2\})$	48
36	$\mathcal{O}(0; \{3, 4, 9, 18, 36\})$	72
36	$\mathcal{O}(0; \{2, 9, 12, 18, 36\})$	72
36	$\mathcal{O}(0; \{2, 9^2, 36^2\})$	324
36	$\mathcal{O}(0; \{3^2, 18, 36^2\})$	144
36	$\mathcal{O}(0; \{2, 6, 18, 36^2\})$	72
40	$\mathcal{O}(2; \emptyset)$	2396160
40	$\mathcal{O}(1; \{2^4\})$	1152
40	$\mathcal{O}(1; \{2, 4^2\})$	2304
40	$\mathcal{O}(0; \{2, 5, 8^2, 20\})$	32
40	$\mathcal{O}(0; \{2, 4, 8, 10, 40\})$	32
40	$\mathcal{O}(0; \{2, 4, 5, 40^2\})$	96
41	$\mathcal{O}(1; \{41^2\})$	67240
42	$\mathcal{O}(1; \{21^2\})$	15876
42	$\mathcal{O}(0; \{2, 3, 7, 14, 21\})$	60
42	$\mathcal{O}(0; \{2^4, 21^2\})$	12
42	$\mathcal{O}(0; \{2, 3, 6, 21^2\})$	36
42	$\mathcal{O}(0; \{3^3, 14, 42\})$	36
42	$\mathcal{O}(0; \{2, 3, 6, 14, 42\})$	12
42	$\mathcal{O}(0; \{2^2, 21, 42^2\})$	60
42	$\mathcal{O}(0; \{42^4\})$	1116
44	$\mathcal{O}(1; \{11^2\})$	14520
44	$\mathcal{O}(0; \{2, 4^2, 11^2\})$	20
44	$\mathcal{O}(0; \{11, 22, 44^2\})$	1820
45	$\mathcal{O}(1; \{9^2\})$	11664
45	$\mathcal{O}(0; \{9, 15, 45^2\})$	432
48	$\mathcal{O}(1; \{6^2\})$	3456
48	$\mathcal{O}(0; \{6, 16^2, 24\})$	64
48	$\mathcal{O}(0; \{6, 12, 16, 48\})$	32
48	$\mathcal{O}(0; \{6, 8, 48^2\})$	64
48	$\mathcal{O}(0; \{4, 24, 48^2\})$	128

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
50	$\mathcal{O}(1; \{5^2\})$	7200
51	$\mathcal{O}(0; \{3, 17, 51^2\})$	480
56	$\mathcal{O}(0; \{2, 28, 56^2\})$	240
60	$\mathcal{O}(1; \{3^2\})$	5184
60	$\mathcal{O}(0; \{3, 5, 12, 20\})$	16
60	$\mathcal{O}(0; \{3, 4, 20, 30\})$	16
60	$\mathcal{O}(0; \{2, 12, 20, 30\})$	16
60	$\mathcal{O}(0; \{3, 4, 15, 60\})$	16
60	$\mathcal{O}(0; \{2, 12, 15, 60\})$	16
66	$\mathcal{O}(0; \{2, 6, 11, 33\})$	20
68	$\mathcal{O}(0; \{2, 4, 17, 68\})$	32
70	$\mathcal{O}(0; \{2, 5, 7, 70\})$	24
80	$\mathcal{O}(1; \{2^2\})$	4608
82	$\mathcal{O}(0; \{2^2, 82^2\})$	40
83	$\mathcal{O}(0; \{83^3\})$	6642
84	$\mathcal{O}(0; \{42, 84^2\})$	120
90	$\mathcal{O}(0; \{18, 30, 45\})$	48
102	$\mathcal{O}(0; \{6, 34, 51\})$	32
123	$\mathcal{O}(0; \{3, 123^2\})$	80
164	$\mathcal{O}(0; \{2, 164^2\})$	80
166	$\mathcal{O}(0; \{2, 83, 166\})$	82

Table 2: 42-admissible orbifolds.

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(42; \emptyset)$	1
2	$\mathcal{O}(21; \{2^2\})$	4398046511104
2	$\mathcal{O}(20; \{2^6\})$	1099511627776
2	$\mathcal{O}(19; \{2^{10}\})$	274877906944
2	$\mathcal{O}(18; \{2^{14}\})$	68719476736
2	$\mathcal{O}(17; \{2^{18}\})$	17179869184
2	$\mathcal{O}(16; \{2^{22}\})$	4294967296
2	$\mathcal{O}(15; \{2^{26}\})$	1073741824
2	$\mathcal{O}(14; \{2^{30}\})$	268435456
2	$\mathcal{O}(13; \{2^{34}\})$	67108864
2	$\mathcal{O}(12; \{2^{38}\})$	16777216
2	$\mathcal{O}(11; \{2^{42}\})$	4194304
2	$\mathcal{O}(10; \{2^{46}\})$	1048576
2	$\mathcal{O}(9; \{2^{50}\})$	262144
2	$\mathcal{O}(8; \{2^{54}\})$	65536

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Table 2 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(7; \{2^{58}\})$	16384
2	$\mathcal{O}(6; \{2^{62}\})$	4096
2	$\mathcal{O}(5; \{2^{66}\})$	1024
2	$\mathcal{O}(4; \{2^{70}\})$	256
2	$\mathcal{O}(3; \{2^{74}\})$	64
2	$\mathcal{O}(2; \{2^{78}\})$	16
2	$\mathcal{O}(1; \{2^{82}\})$	4
2	$\mathcal{O}(0; \{2^{86}\})$	1
3	$\mathcal{O}(14; \{3^2\})$	45753584909922
3	$\mathcal{O}(13; \{3^5\})$	25418658283290
3	$\mathcal{O}(12; \{3^8\})$	24288940137366
3	$\mathcal{O}(11; \{3^{11}\})$	21401882653338
3	$\mathcal{O}(10; \{3^{14}\})$	19044816398262
3	$\mathcal{O}(9; \{3^{17}\})$	16926401164410
3	$\mathcal{O}(8; \{3^{20}\})$	15045948204246
3	$\mathcal{O}(7; \{3^{23}\})$	13374147483738
3	$\mathcal{O}(6; \{3^{26}\})$	11888134285302
3	$\mathcal{O}(5; \{3^{29}\})$	10567230121530
3	$\mathcal{O}(4; \{3^{32}\})$	9393093480726
3	$\mathcal{O}(3; \{3^{35}\})$	8349416422938
3	$\mathcal{O}(2; \{3^{38}\})$	7421703487542
3	$\mathcal{O}(1; \{3^{41}\})$	6597069766650
3	$\mathcal{O}(0; \{3^{44}\})$	5864062014806
4	$\mathcal{O}(10; \{2^2, 4^2\})$	2199023255552
4	$\mathcal{O}(9; \{2^6, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^3, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{4^6\})$	2199023255552
4	$\mathcal{O}(8; \{2^{10}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^7, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^4, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2, 4^8\})$	549755813888
4	$\mathcal{O}(7; \{2^{14}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{11}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^8, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^5, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^2, 4^{10}\})$	137438953472
4	$\mathcal{O}(6; \{2^{18}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{15}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{12}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^9, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^6, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^3, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{4^{14}\})$	137438953472

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Table 2 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
4	$O(5; \{2^{22}, 4^2\})$	2097152
4	$O(5; \{2^{19}, 4^4\})$	8388608
4	$O(5; \{2^{16}, 4^6\})$	33554432
4	$O(5; \{2^{13}, 4^8\})$	134217728
4	$O(5; \{2^{10}, 4^{10}\})$	536870912
4	$O(5; \{2^7, 4^{12}\})$	2147483648
4	$O(5; \{2^4, 4^{14}\})$	8589934592
4	$O(5; \{2, 4^{16}\})$	34359738368
4	$O(4; \{2^{26}, 4^2\})$	131072
4	$O(4; \{2^{23}, 4^4\})$	524288
4	$O(4; \{2^{20}, 4^6\})$	2097152
4	$O(4; \{2^{17}, 4^8\})$	8388608
4	$O(4; \{2^{14}, 4^{10}\})$	33554432
4	$O(4; \{2^{11}, 4^{12}\})$	134217728
4	$O(4; \{2^8, 4^{14}\})$	536870912
4	$O(4; \{2^5, 4^{16}\})$	2147483648
4	$O(4; \{2^2, 4^{18}\})$	8589934592
4	$O(3; \{2^{30}, 4^2\})$	8192
4	$O(3; \{2^{27}, 4^4\})$	32768
4	$O(3; \{2^{24}, 4^6\})$	131072
4	$O(3; \{2^{21}, 4^8\})$	524288
4	$O(3; \{2^{18}, 4^{10}\})$	2097152
4	$O(3; \{2^{15}, 4^{12}\})$	8388608
4	$O(3; \{2^{12}, 4^{14}\})$	33554432
4	$O(3; \{2^9, 4^{16}\})$	134217728
4	$O(3; \{2^6, 4^{18}\})$	536870912
4	$O(3; \{2^3, 4^{20}\})$	2147483648
4	$O(3; \{4^{22}\})$	8589934592
4	$O(2; \{2^{34}, 4^2\})$	512
4	$O(2; \{2^{31}, 4^4\})$	2048
4	$O(2; \{2^{28}, 4^6\})$	8192
4	$O(2; \{2^{25}, 4^8\})$	32768
4	$O(2; \{2^{22}, 4^{10}\})$	131072
4	$O(2; \{2^{19}, 4^{12}\})$	524288
4	$O(2; \{2^{16}, 4^{14}\})$	2097152
4	$O(2; \{2^{13}, 4^{16}\})$	8388608
4	$O(2; \{2^{10}, 4^{18}\})$	33554432
4	$O(2; \{2^7, 4^{20}\})$	134217728
4	$O(2; \{2^4, 4^{22}\})$	536870912
4	$O(2; \{2, 4^{24}\})$	2147483648
4	$O(1; \{2^{38}, 4^2\})$	32
4	$O(1; \{2^{35}, 4^4\})$	128
4	$O(1; \{2^{32}, 4^6\})$	512

Continued on next page

Table 2 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(1; \{2^{29}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{26}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{23}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{20}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{17}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{14}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{11}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^8, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^5, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^2, 4^{26}\})$	536870912
4	$\mathcal{O}(0; \{2^{42}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{39}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{36}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{33}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{30}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{27}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{24}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{21}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{18}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{15}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{12}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^9, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^6, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^3, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{4^{30}\})$	536870912
5	$\mathcal{O}(8; \{5^3\})$	1831054687500
5	$\mathcal{O}(6; \{5^8\})$	3200195312500
5	$\mathcal{O}(4; \{5^{13}\})$	5242879687500
5	$\mathcal{O}(2; \{5^{18}\})$	8589934592500
5	$\mathcal{O}(0; \{5^{23}\})$	14073748835532
6	$\mathcal{O}(7; \{6^2\})$	156728328192
6	$\mathcal{O}(6; \{2^2, 3^4\})$	13060694016
6	$\mathcal{O}(6; \{2^3, 3^2, 6\})$	4353564672
6	$\mathcal{O}(6; \{2^4, 6^2\})$	4353564672
6	$\mathcal{O}(6; \{3^3, 6^2\})$	21767823360
6	$\mathcal{O}(6; \{2, 3, 6^3\})$	13060694016
6	$\mathcal{O}(5; \{2^6, 3^4\})$	362797056
6	$\mathcal{O}(5; \{2^2, 3^7\})$	2539579392
6	$\mathcal{O}(5; \{2^7, 3^2, 6\})$	120932352
6	$\mathcal{O}(5; \{2^3, 3^5, 6\})$	1330255872
6	$\mathcal{O}(5; \{2^8, 6^2\})$	120932352
6	$\mathcal{O}(5; \{2^4, 3^3, 6^2\})$	604661760
6	$\mathcal{O}(5; \{3^6, 6^2\})$	5200091136

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Table 2 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^5, 3, 6^3\})$	362797056
6	$\mathcal{O}(5; \{2, 3^4, 6^3\})$	2539579392
6	$\mathcal{O}(5; \{2^2, 3^2, 6^4\})$	1330255872
6	$\mathcal{O}(5; \{2^3, 6^5\})$	604661760
6	$\mathcal{O}(5; \{3, 6^6\})$	2539579392
6	$\mathcal{O}(4; \{2^{10}, 3^4\})$	10077696
6	$\mathcal{O}(4; \{2^6, 3^7\})$	70543872
6	$\mathcal{O}(4; \{2^2, 3^{10}\})$	574428672
6	$\mathcal{O}(4; \{2^{11}, 3^2, 6\})$	3359232
6	$\mathcal{O}(4; \{2^7, 3^5, 6\})$	36951552
6	$\mathcal{O}(4; \{2^3, 3^8, 6\})$	285534720
6	$\mathcal{O}(4; \{2^{12}, 6^2\})$	3359232
6	$\mathcal{O}(4; \{2^8, 3^3, 6^2\})$	16796160
6	$\mathcal{O}(4; \{2^4, 3^6, 6^2\})$	144446976
6	$\mathcal{O}(4; \{3^9, 6^2\})$	1145498112
6	$\mathcal{O}(4; \{2^9, 3, 6^3\})$	10077696
6	$\mathcal{O}(4; \{2^5, 3^4, 6^3\})$	70543872
6	$\mathcal{O}(4; \{2, 3^7, 6^3\})$	574428672
6	$\mathcal{O}(4; \{2^6, 3^2, 6^4\})$	36951552
6	$\mathcal{O}(4; \{2^2, 3^5, 6^4\})$	285534720
6	$\mathcal{O}(4; \{2^7, 6^5\})$	16796160
6	$\mathcal{O}(4; \{2^3, 3^3, 6^5\})$	144446976
6	$\mathcal{O}(4; \{2^4, 3, 6^6\})$	70543872
6	$\mathcal{O}(4; \{3^4, 6^6\})$	574428672
6	$\mathcal{O}(4; \{2, 3^2, 6^7\})$	285534720
6	$\mathcal{O}(4; \{2^2, 6^8\})$	144446976
6	$\mathcal{O}(3; \{2^{14}, 3^4\})$	279936
6	$\mathcal{O}(3; \{2^{10}, 3^7\})$	1959552
6	$\mathcal{O}(3; \{2^6, 3^{10}\})$	15956352
6	$\mathcal{O}(3; \{2^2, 3^{13}\})$	127370880
6	$\mathcal{O}(3; \{2^{15}, 3^2, 6\})$	93312
6	$\mathcal{O}(3; \{2^{11}, 3^5, 6\})$	1026432
6	$\mathcal{O}(3; \{2^7, 3^8, 6\})$	7931520
6	$\mathcal{O}(3; \{2^3, 3^{11}, 6\})$	63732096
6	$\mathcal{O}(3; \{2^{16}, 6^2\})$	93312
6	$\mathcal{O}(3; \{2^{12}, 3^3, 6^2\})$	466560
6	$\mathcal{O}(3; \{2^8, 3^6, 6^2\})$	4012416
6	$\mathcal{O}(3; \{2^4, 3^9, 6^2\})$	31819392
6	$\mathcal{O}(3; \{3^{12}, 6^2\})$	254835072
6	$\mathcal{O}(3; \{2^{13}, 3, 6^3\})$	279936
6	$\mathcal{O}(3; \{2^9, 3^4, 6^3\})$	1959552
6	$\mathcal{O}(3; \{2^5, 3^7, 6^3\})$	15956352
6	$\mathcal{O}(3; \{2, 3^{10}, 6^3\})$	127370880

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Table 2 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
6	$O(3; \{2^{10}, 3^2, 6^4\})$	1026432
6	$O(3; \{2^6, 3^5, 6^4\})$	7931520
6	$O(3; \{2^2, 3^8, 6^4\})$	63732096
6	$O(3; \{2^{11}, 6^5\})$	466560
6	$O(3; \{2^7, 3^3, 6^5\})$	4012416
6	$O(3; \{2^3, 3^6, 6^5\})$	31819392
6	$O(3; \{2^8, 3, 6^6\})$	1959552
6	$O(3; \{2^4, 3^4, 6^6\})$	15956352
6	$O(3; \{3^7, 6^6\})$	127370880
6	$O(3; \{2^5, 3^2, 6^7\})$	7931520
6	$O(3; \{2, 3^5, 6^7\})$	63732096
6	$O(3; \{2^6, 6^8\})$	4012416
6	$O(3; \{2^2, 3^3, 6^8\})$	31819392
6	$O(3; \{2^3, 3, 6^9\})$	15956352
6	$O(3; \{3^2, 6^{10}\})$	63732096
6	$O(3; \{2, 6^{11}\})$	31819392
6	$O(2; \{2^{18}, 3^4\})$	7776
6	$O(2; \{2^{14}, 3^7\})$	54432
6	$O(2; \{2^{10}, 3^{10}\})$	443232
6	$O(2; \{2^6, 3^{13}\})$	3538080
6	$O(2; \{2^2, 3^{16}\})$	28312416
6	$O(2; \{2^{19}, 3^2, 6\})$	2592
6	$O(2; \{2^{15}, 3^5, 6\})$	28512
6	$O(2; \{2^{11}, 3^8, 6\})$	220320
6	$O(2; \{2^7, 3^{11}, 6\})$	1770336
6	$O(2; \{2^3, 3^{14}, 6\})$	14154912
6	$O(2; \{2^{20}, 6^2\})$	2592
6	$O(2; \{2^{16}, 3^3, 6^2\})$	12960
6	$O(2; \{2^{12}, 3^6, 6^2\})$	111456
6	$O(2; \{2^8, 3^9, 6^2\})$	883872
6	$O(2; \{2^4, 3^{12}, 6^2\})$	7078752
6	$O(2; \{3^{15}, 6^2\})$	56622240
6	$O(2; \{2^{17}, 3, 6^3\})$	7776
6	$O(2; \{2^{13}, 3^4, 6^3\})$	54432
6	$O(2; \{2^9, 3^7, 6^3\})$	443232
6	$O(2; \{2^5, 3^{10}, 6^3\})$	3538080
6	$O(2; \{2, 3^{13}, 6^3\})$	28312416
6	$O(2; \{2^{14}, 3^2, 6^4\})$	28512
6	$O(2; \{2^{10}, 3^5, 6^4\})$	220320
6	$O(2; \{2^6, 3^8, 6^4\})$	1770336
6	$O(2; \{2^2, 3^{11}, 6^4\})$	14154912
6	$O(2; \{2^{15}, 6^5\})$	12960
6	$O(2; \{2^{11}, 3^3, 6^5\})$	111456

Continued on next page

Table 2 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
6	$O(2; \{2^7, 3^6, 6^5\})$	883872
6	$O(2; \{2^3, 3^9, 6^5\})$	7078752
6	$O(2; \{2^{12}, 3, 6^6\})$	54432
6	$O(2; \{2^8, 3^4, 6^6\})$	443232
6	$O(2; \{2^4, 3^7, 6^6\})$	3538080
6	$O(2; \{3^{10}, 6^6\})$	28312416
6	$O(2; \{2^9, 3^2, 6^7\})$	220320
6	$O(2; \{2^5, 3^5, 6^7\})$	1770336
6	$O(2; \{2, 3^8, 6^7\})$	14154912
6	$O(2; \{2^{10}, 6^8\})$	111456
6	$O(2; \{2^6, 3^3, 6^8\})$	883872
6	$O(2; \{2^2, 3^6, 6^8\})$	7078752
6	$O(2; \{2^7, 3, 6^9\})$	443232
6	$O(2; \{2^3, 3^4, 6^9\})$	3538080
6	$O(2; \{2^4, 3^2, 6^{10}\})$	1770336
6	$O(2; \{3^5, 6^{10}\})$	14154912
6	$O(2; \{2^5, 6^{11}\})$	883872
6	$O(2; \{2, 3^3, 6^{11}\})$	7078752
6	$O(2; \{2^2, 3, 6^{12}\})$	3538080
6	$O(2; \{6^{14}\})$	7078752
6	$O(1; \{2^{22}, 3^4\})$	216
6	$O(1; \{2^{18}, 3^7\})$	1512
6	$O(1; \{2^{14}, 3^{10}\})$	12312
6	$O(1; \{2^{10}, 3^{13}\})$	98280
6	$O(1; \{2^6, 3^{16}\})$	786456
6	$O(1; \{2^2, 3^{19}\})$	6291432
6	$O(1; \{2^{23}, 3^2, 6\})$	72
6	$O(1; \{2^{19}, 3^5, 6\})$	792
6	$O(1; \{2^{15}, 3^8, 6\})$	6120
6	$O(1; \{2^{11}, 3^{11}, 6\})$	49176
6	$O(1; \{2^7, 3^{14}, 6\})$	393192
6	$O(1; \{2^3, 3^{17}, 6\})$	3145752
6	$O(1; \{2^{24}, 6^2\})$	72
6	$O(1; \{2^{20}, 3^3, 6^2\})$	360
6	$O(1; \{2^{16}, 3^6, 6^2\})$	3096
6	$O(1; \{2^{12}, 3^9, 6^2\})$	24552
6	$O(1; \{2^8, 3^{12}, 6^2\})$	196632
6	$O(1; \{2^4, 3^{15}, 6^2\})$	1572840
6	$O(1; \{3^{18}, 6^2\})$	12582936
6	$O(1; \{2^{21}, 3, 6^3\})$	216
6	$O(1; \{2^{17}, 3^4, 6^3\})$	1512
6	$O(1; \{2^{13}, 3^7, 6^3\})$	12312
6	$O(1; \{2^9, 3^{10}, 6^3\})$	98280

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Table 2 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^5, 3^{13}, 6^3\})$	786456
6	$\mathcal{O}(1; \{2, 3^{16}, 6^3\})$	6291432
6	$\mathcal{O}(1; \{2^{18}, 3^2, 6^4\})$	792
6	$\mathcal{O}(1; \{2^{14}, 3^5, 6^4\})$	6120
6	$\mathcal{O}(1; \{2^{10}, 3^8, 6^4\})$	49176
6	$\mathcal{O}(1; \{2^6, 3^{11}, 6^4\})$	393192
6	$\mathcal{O}(1; \{2^2, 3^{14}, 6^4\})$	3145752
6	$\mathcal{O}(1; \{2^{19}, 6^5\})$	360
6	$\mathcal{O}(1; \{2^{15}, 3^3, 6^5\})$	3096
6	$\mathcal{O}(1; \{2^{11}, 3^6, 6^5\})$	24552
6	$\mathcal{O}(1; \{2^7, 3^9, 6^5\})$	196632
6	$\mathcal{O}(1; \{2^3, 3^{12}, 6^5\})$	1572840
6	$\mathcal{O}(1; \{2^{16}, 3, 6^6\})$	1512
6	$\mathcal{O}(1; \{2^{12}, 3^4, 6^6\})$	12312
6	$\mathcal{O}(1; \{2^8, 3^7, 6^6\})$	98280
6	$\mathcal{O}(1; \{2^4, 3^{10}, 6^6\})$	786456
6	$\mathcal{O}(1; \{3^{13}, 6^6\})$	6291432
6	$\mathcal{O}(1; \{2^{13}, 3^2, 6^7\})$	6120
6	$\mathcal{O}(1; \{2^9, 3^5, 6^7\})$	49176
6	$\mathcal{O}(1; \{2^5, 3^8, 6^7\})$	393192
6	$\mathcal{O}(1; \{2, 3^{11}, 6^7\})$	3145752
6	$\mathcal{O}(1; \{2^{14}, 6^8\})$	3096
6	$\mathcal{O}(1; \{2^{10}, 3^3, 6^8\})$	24552
6	$\mathcal{O}(1; \{2^6, 3^6, 6^8\})$	196632
6	$\mathcal{O}(1; \{2^2, 3^9, 6^8\})$	1572840
6	$\mathcal{O}(1; \{2^{11}, 3, 6^9\})$	12312
6	$\mathcal{O}(1; \{2^7, 3^4, 6^9\})$	98280
6	$\mathcal{O}(1; \{2^3, 3^7, 6^9\})$	786456
6	$\mathcal{O}(1; \{2^8, 3^2, 6^{10}\})$	49176
6	$\mathcal{O}(1; \{2^4, 3^5, 6^{10}\})$	393192
6	$\mathcal{O}(1; \{3^8, 6^{10}\})$	3145752
6	$\mathcal{O}(1; \{2^9, 6^{11}\})$	24552
6	$\mathcal{O}(1; \{2^5, 3^3, 6^{11}\})$	196632
6	$\mathcal{O}(1; \{2, 3^6, 6^{11}\})$	1572840
6	$\mathcal{O}(1; \{2^6, 3, 6^{12}\})$	98280
6	$\mathcal{O}(1; \{2^2, 3^4, 6^{12}\})$	786456
6	$\mathcal{O}(1; \{2^3, 3^2, 6^{13}\})$	393192
6	$\mathcal{O}(1; \{2^4, 6^{14}\})$	196632
6	$\mathcal{O}(1; \{3^3, 6^{14}\})$	1572840
6	$\mathcal{O}(1; \{2, 3, 6^{15}\})$	786456
6	$\mathcal{O}(0; \{2^{26}, 3^4\})$	6
6	$\mathcal{O}(0; \{2^{22}, 3^7\})$	42
6	$\mathcal{O}(0; \{2^{18}, 3^{10}\})$	342

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Table 2 – continued from previous page

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

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Table 2 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{3^{16}, 6^6\})$	1398102
6	$\mathcal{O}(0; \{2^{17}, 3^2, 6^7\})$	170
6	$\mathcal{O}(0; \{2^{13}, 3^5, 6^7\})$	1366
6	$\mathcal{O}(0; \{2^9, 3^8, 6^7\})$	10922
6	$\mathcal{O}(0; \{2^5, 3^{11}, 6^7\})$	87382
6	$\mathcal{O}(0; \{2, 3^{14}, 6^7\})$	699050
6	$\mathcal{O}(0; \{2^{18}, 6^8\})$	86
6	$\mathcal{O}(0; \{2^{14}, 3^3, 6^8\})$	682
6	$\mathcal{O}(0; \{2^{10}, 3^6, 6^8\})$	5462
6	$\mathcal{O}(0; \{2^6, 3^9, 6^8\})$	43690
6	$\mathcal{O}(0; \{2^2, 3^{12}, 6^8\})$	349526
6	$\mathcal{O}(0; \{2^{15}, 3, 6^9\})$	342
6	$\mathcal{O}(0; \{2^{11}, 3^4, 6^9\})$	2730
6	$\mathcal{O}(0; \{2^7, 3^7, 6^9\})$	21846
6	$\mathcal{O}(0; \{2^3, 3^{10}, 6^9\})$	174762
6	$\mathcal{O}(0; \{2^{12}, 3^2, 6^{10}\})$	1366
6	$\mathcal{O}(0; \{2^8, 3^5, 6^{10}\})$	10922
6	$\mathcal{O}(0; \{2^4, 3^8, 6^{10}\})$	87382
6	$\mathcal{O}(0; \{3^{11}, 6^{10}\})$	699050
6	$\mathcal{O}(0; \{2^{13}, 6^{11}\})$	682
6	$\mathcal{O}(0; \{2^9, 3^3, 6^{11}\})$	5462
6	$\mathcal{O}(0; \{2^5, 3^6, 6^{11}\})$	43690
6	$\mathcal{O}(0; \{2, 3^9, 6^{11}\})$	349526
6	$\mathcal{O}(0; \{2^{10}, 3, 6^{12}\})$	2730
6	$\mathcal{O}(0; \{2^6, 3^4, 6^{12}\})$	21846
6	$\mathcal{O}(0; \{2^2, 3^7, 6^{12}\})$	174762
6	$\mathcal{O}(0; \{2^7, 3^2, 6^{13}\})$	10922
6	$\mathcal{O}(0; \{2^3, 3^5, 6^{13}\})$	87382
6	$\mathcal{O}(0; \{2^8, 6^{14}\})$	5462
6	$\mathcal{O}(0; \{2^4, 3^3, 6^{14}\})$	43690
6	$\mathcal{O}(0; \{3^6, 6^{14}\})$	349526
6	$\mathcal{O}(0; \{2^5, 3, 6^{15}\})$	21846
6	$\mathcal{O}(0; \{2, 3^4, 6^{15}\})$	174762
6	$\mathcal{O}(0; \{2^2, 3^2, 6^{16}\})$	87382
6	$\mathcal{O}(0; \{2^3, 6^{17}\})$	43690
6	$\mathcal{O}(0; \{3, 6^{18}\})$	174762
7	$\mathcal{O}(6; \{7^2\})$	83047723206
7	$\mathcal{O}(3; \{7^9\})$	169375735830
7	$\mathcal{O}(0; \{7^{16}\})$	403015701066
8	$\mathcal{O}(5; \{2, 8^2\})$	4294967296
8	$\mathcal{O}(4; \{2^5, 8^2\})$	67108864
8	$\mathcal{O}(4; \{2^2, 4^2, 8^2\})$	268435456
8	$\mathcal{O}(4; \{4, 8^4\})$	2147483648

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Table 2 – continued from previous page

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

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Table 2 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^6, 4^{10}, 8^2\})$	4096
8	$\mathcal{O}(0; \{2^3, 4^{12}, 8^2\})$	16384
8	$\mathcal{O}(0; \{4^{14}, 8^2\})$	65536
8	$\mathcal{O}(0; \{2^{16}, 4, 8^4\})$	128
8	$\mathcal{O}(0; \{2^{13}, 4^3, 8^4\})$	512
8	$\mathcal{O}(0; \{2^{10}, 4^5, 8^4\})$	2048
8	$\mathcal{O}(0; \{2^7, 4^7, 8^4\})$	8192
8	$\mathcal{O}(0; \{2^4, 4^9, 8^4\})$	32768
8	$\mathcal{O}(0; \{2, 4^{11}, 8^4\})$	131072
8	$\mathcal{O}(0; \{2^{14}, 8^6\})$	1024
8	$\mathcal{O}(0; \{2^{11}, 4^2, 8^6\})$	4096
8	$\mathcal{O}(0; \{2^8, 4^4, 8^6\})$	16384
8	$\mathcal{O}(0; \{2^5, 4^6, 8^6\})$	65536
8	$\mathcal{O}(0; \{2^2, 4^8, 8^6\})$	262144
8	$\mathcal{O}(0; \{2^9, 4, 8^8\})$	32768
8	$\mathcal{O}(0; \{2^6, 4^3, 8^8\})$	131072
8	$\mathcal{O}(0; \{2^3, 4^5, 8^8\})$	524288
8	$\mathcal{O}(0; \{4^7, 8^8\})$	2097152
8	$\mathcal{O}(0; \{2^7, 8^{10}\})$	262144
8	$\mathcal{O}(0; \{2^4, 4^2, 8^{10}\})$	1048576
8	$\mathcal{O}(0; \{2, 4^4, 8^{10}\})$	4194304
8	$\mathcal{O}(0; \{2^2, 4, 8^{12}\})$	8388608
8	$\mathcal{O}(0; \{8^{14}\})$	67108864
9	$\mathcal{O}(4; \{3^2, 9^2\})$	1033121304
9	$\mathcal{O}(3; \{3^5, 9^2\})$	102036672
9	$\mathcal{O}(3; \{3, 9^5\})$	860934420
9	$\mathcal{O}(2; \{3^8, 9^2\})$	10077696
9	$\mathcal{O}(2; \{3^4, 9^5\})$	85030560
9	$\mathcal{O}(2; \{9^8\})$	1234006002
9	$\mathcal{O}(1; \{3^{11}, 9^2\})$	995328
9	$\mathcal{O}(1; \{3^7, 9^5\})$	8398080
9	$\mathcal{O}(1; \{3^3, 9^8\})$	121877136
9	$\mathcal{O}(0; \{3^{14}, 9^2\})$	98304
9	$\mathcal{O}(0; \{3^{10}, 9^5\})$	829440
9	$\mathcal{O}(0; \{3^6, 9^8\})$	12037248
9	$\mathcal{O}(0; \{3^2, 9^{11}\})$	161085672
10	$\mathcal{O}(4; \{2, 5, 10\})$	400000000
10	$\mathcal{O}(3; \{2^2, 5^4\})$	52000000
10	$\mathcal{O}(3; \{2^5, 5, 10\})$	4000000
10	$\mathcal{O}(3; \{5^3, 10^2\})$	204000000
10	$\mathcal{O}(3; \{2^3, 10^3\})$	12000000
10	$\mathcal{O}(2; \{2^6, 5^4\})$	520000
10	$\mathcal{O}(2; \{2^9, 5, 10\})$	40000

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Table 2 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(2; \{2, 5^6, 10\})$	32760000
10	$\mathcal{O}(2; \{2^4, 5^3, 10^2\})$	2040000
10	$\mathcal{O}(2; \{2^7, 10^3\})$	120000
10	$\mathcal{O}(2; \{2^2, 5^2, 10^4\})$	8200000
10	$\mathcal{O}(2; \{5, 10^6\})$	32760000
10	$\mathcal{O}(1; \{2^{10}, 5^4\})$	5200
10	$\mathcal{O}(1; \{2^2, 5^9\})$	5242800
10	$\mathcal{O}(1; \{2^{13}, 5, 10\})$	400
10	$\mathcal{O}(1; \{2^5, 5^6, 10\})$	327600
10	$\mathcal{O}(1; \{2^8, 5^3, 10^2\})$	20400
10	$\mathcal{O}(1; \{5^8, 10^2\})$	20971600
10	$\mathcal{O}(1; \{2^{11}, 10^3\})$	1200
10	$\mathcal{O}(1; \{2^3, 5^5, 10^3\})$	1310800
10	$\mathcal{O}(1; \{2^6, 5^2, 10^4\})$	82000
10	$\mathcal{O}(1; \{2, 5^4, 10^5\})$	5242800
10	$\mathcal{O}(1; \{2^4, 5, 10^6\})$	327600
10	$\mathcal{O}(1; \{2^2, 10^8\})$	1310800
10	$\mathcal{O}(0; \{2^{14}, 5^4\})$	52
10	$\mathcal{O}(0; \{2^6, 5^9\})$	52428
10	$\mathcal{O}(0; \{2^{17}, 5, 10\})$	4
10	$\mathcal{O}(0; \{2^9, 5^6, 10\})$	3276
10	$\mathcal{O}(0; \{2, 5^{11}, 10\})$	3355444
10	$\mathcal{O}(0; \{2^{12}, 5^3, 10^2\})$	204
10	$\mathcal{O}(0; \{2^4, 5^8, 10^2\})$	209716
10	$\mathcal{O}(0; \{2^{15}, 10^3\})$	12
10	$\mathcal{O}(0; \{2^7, 5^5, 10^3\})$	13108
10	$\mathcal{O}(0; \{2^{10}, 5^2, 10^4\})$	820
10	$\mathcal{O}(0; \{2^2, 5^7, 10^4\})$	838860
10	$\mathcal{O}(0; \{2^5, 5^4, 10^5\})$	52428
10	$\mathcal{O}(0; \{2^8, 5, 10^6\})$	3276
10	$\mathcal{O}(0; \{5^6, 10^6\})$	3355444
10	$\mathcal{O}(0; \{2^3, 5^3, 10^7\})$	209716
10	$\mathcal{O}(0; \{2^6, 10^8\})$	13108
10	$\mathcal{O}(0; \{2, 5^2, 10^9\})$	838860
11	$\mathcal{O}(2; \{11^6\})$	1331013310
12	$\mathcal{O}(3; \{3^2, 4^2\})$	11943936
12	$\mathcal{O}(3; \{2, 3, 4, 12\})$	11943936
12	$\mathcal{O}(3; \{2^2, 12^2\})$	11943936
12	$\mathcal{O}(2; \{2^4, 3^2, 4^2\})$	82944
12	$\mathcal{O}(2; \{3^5, 4^2\})$	414720
12	$\mathcal{O}(2; \{2, 3^2, 4^4\})$	331776
12	$\mathcal{O}(2; \{2, 3^3, 4^2, 6\})$	248832
12	$\mathcal{O}(2; \{2^2, 3, 4^2, 6^2\})$	82944

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Table 2 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(O), \mathbb{Z}_\ell)$
12	$O(2; \{4^2, 6^4\})$	248832
12	$O(2; \{2^5, 3, 4, 12\})$	82944
12	$O(2; \{2, 3^4, 4, 12\})$	414720
12	$O(2; \{2^2, 3, 4^3, 12\})$	331776
12	$O(2; \{2^2, 3^2, 4, 6, 12\})$	248832
12	$O(2; \{2^3, 4, 6^2, 12\})$	82944
12	$O(2; \{4^3, 6^2, 12\})$	331776
12	$O(2; \{3, 4, 6^3, 12\})$	414720
12	$O(2; \{2^6, 12^2\})$	82944
12	$O(2; \{2^2, 3^3, 12^2\})$	414720
12	$O(2; \{2^3, 4^2, 12^2\})$	331776
12	$O(2; \{4^4, 12^2\})$	1327104
12	$O(2; \{2^3, 3, 6, 12^2\})$	248832
12	$O(2; \{3, 4^2, 6, 12^2\})$	995328
12	$O(2; \{3^2, 6^2, 12^2\})$	912384
12	$O(2; \{2, 6^3, 12^2\})$	414720
12	$O(2; \{3^2, 4, 12^3\})$	1658880
12	$O(2; \{2, 4, 6, 12^3\})$	995328
12	$O(2; \{2, 3, 12^4\})$	1658880
12	$O(1; \{2^8, 3^2, 4^2\})$	576
12	$O(1; \{2^4, 3^5, 4^2\})$	2880
12	$O(1; \{3^8, 4^2\})$	24768
12	$O(1; \{2^5, 3^2, 4^4\})$	2304
12	$O(1; \{2, 3^5, 4^4\})$	11520
12	$O(1; \{2^2, 3^2, 4^6\})$	9216
12	$O(1; \{2^5, 3^3, 4^2, 6\})$	1728
12	$O(1; \{2, 3^6, 4^2, 6\})$	12096
12	$O(1; \{2^2, 3^3, 4^4, 6\})$	6912
12	$O(1; \{2^6, 3, 4^2, 6^2\})$	576
12	$O(1; \{2^2, 3^4, 4^2, 6^2\})$	6336
12	$O(1; \{2^3, 3, 4^4, 6^2\})$	2304
12	$O(1; \{3, 4^6, 6^2\})$	9216
12	$O(1; \{2^3, 3^2, 4^2, 6^3\})$	2880
12	$O(1; \{3^2, 4^4, 6^3\})$	11520
12	$O(1; \{2^4, 4^2, 6^4\})$	1728
12	$O(1; \{3^3, 4^2, 6^4\})$	12096
12	$O(1; \{2, 4^4, 6^4\})$	6912
12	$O(1; \{2, 3, 4^2, 6^5\})$	6336
12	$O(1; \{2^9, 3, 4, 12\})$	576
12	$O(1; \{2^5, 3^4, 4, 12\})$	2880
12	$O(1; \{2, 3^7, 4, 12\})$	24768
12	$O(1; \{2^6, 3, 4^3, 12\})$	2304
12	$O(1; \{2^2, 3^4, 4^3, 12\})$	11520

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Table 2 – continued from previous page

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

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Table 2 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 3, 4, 6^2, 12^3\})$	25344
12	$\mathcal{O}(1; \{4, 6^4, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^5, 3, 12^4\})$	11520
12	$\mathcal{O}(1; \{2, 3^4, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 12^4\})$	46080
12	$\mathcal{O}(1; \{2^2, 3^2, 6, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^3, 6^2, 12^4\})$	25344
12	$\mathcal{O}(1; \{4^2, 6^2, 12^4\})$	101376
12	$\mathcal{O}(1; \{3, 6^3, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^3, 4, 12^5\})$	46080
12	$\mathcal{O}(1; \{4^3, 12^5\})$	184320
12	$\mathcal{O}(1; \{3, 4, 6, 12^5\})$	193536
12	$\mathcal{O}(1; \{3^2, 12^6\})$	396288
12	$\mathcal{O}(1; \{2, 6, 12^6\})$	193536
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^2\})$	4
12	$\mathcal{O}(0; \{2^8, 3^5, 4^2\})$	20
12	$\mathcal{O}(0; \{2^4, 3^8, 4^2\})$	172
12	$\mathcal{O}(0; \{3^{11}, 4^2\})$	1364
12	$\mathcal{O}(0; \{2^9, 3^2, 4^4\})$	16
12	$\mathcal{O}(0; \{2^5, 3^5, 4^4\})$	80
12	$\mathcal{O}(0; \{2, 3^8, 4^4\})$	688
12	$\mathcal{O}(0; \{2^6, 3^2, 4^6\})$	64
12	$\mathcal{O}(0; \{2^2, 3^5, 4^6\})$	320
12	$\mathcal{O}(0; \{2^3, 3^2, 4^8\})$	256
12	$\mathcal{O}(0; \{3^2, 4^{10}\})$	1024
12	$\mathcal{O}(0; \{2^9, 3^3, 4^2, 6\})$	12
12	$\mathcal{O}(0; \{2^5, 3^6, 4^2, 6\})$	84
12	$\mathcal{O}(0; \{2, 3^9, 4^2, 6\})$	684
12	$\mathcal{O}(0; \{2^6, 3^3, 4^4, 6\})$	48
12	$\mathcal{O}(0; \{2^2, 3^6, 4^4, 6\})$	336
12	$\mathcal{O}(0; \{2^3, 3^3, 4^6, 6\})$	192
12	$\mathcal{O}(0; \{3^3, 4^8, 6\})$	768
12	$\mathcal{O}(0; \{2^{10}, 3, 4^2, 6^2\})$	4
12	$\mathcal{O}(0; \{2^6, 3^4, 4^2, 6^2\})$	44
12	$\mathcal{O}(0; \{2^2, 3^7, 4^2, 6^2\})$	340
12	$\mathcal{O}(0; \{2^7, 3, 4^4, 6^2\})$	16
12	$\mathcal{O}(0; \{2^3, 3^4, 4^4, 6^2\})$	176
12	$\mathcal{O}(0; \{2^4, 3, 4^6, 6^2\})$	64
12	$\mathcal{O}(0; \{3^4, 4^6, 6^2\})$	704
12	$\mathcal{O}(0; \{2, 3, 4^8, 6^2\})$	256
12	$\mathcal{O}(0; \{2^7, 3^2, 4^2, 6^3\})$	20
12	$\mathcal{O}(0; \{2^3, 3^5, 4^2, 6^3\})$	172
12	$\mathcal{O}(0; \{2^4, 3^2, 4^4, 6^3\})$	80

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Table 2 – continued from previous page

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

Continued on next page

Table 2 – continued from previous page

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

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Table 2 – continued from previous page

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

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

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3, 6, 12^8\})$	43776
13	$\mathcal{O}(0; \{13^9\})$	396906180
14	$\mathcal{O}(3; \{14^2\})$	45177216
14	$\mathcal{O}(2; \{2^4, 14^2\})$	230496
14	$\mathcal{O}(1; \{2^3, 7^4, 14\})$	217560
14	$\mathcal{O}(1; \{2^8, 14^2\})$	1176
14	$\mathcal{O}(1; \{2, 7^3, 14^3\})$	1306536
14	$\mathcal{O}(0; \{2^2, 7^8\})$	239946
14	$\mathcal{O}(0; \{2^7, 7^4, 14\})$	1110
14	$\mathcal{O}(0; \{2^{12}, 14^2\})$	6
14	$\mathcal{O}(0; \{7^7, 14^2\})$	1439670
14	$\mathcal{O}(0; \{2^5, 7^3, 14^3\})$	6666
14	$\mathcal{O}(0; \{2^3, 7^2, 14^5\})$	39990
14	$\mathcal{O}(0; \{2, 7, 14^7\})$	239946
15	$\mathcal{O}(2; \{5^2, 15^2\})$	5265000
15	$\mathcal{O}(2; \{3, 15^3\})$	3645000
15	$\mathcal{O}(1; \{3^2, 5^4, 15\})$	91800
15	$\mathcal{O}(1; \{3^3, 5^2, 15^2\})$	117000
15	$\mathcal{O}(1; \{3^4, 15^3\})$	113400
15	$\mathcal{O}(1; \{5, 15^5\})$	1845000
15	$\mathcal{O}(0; \{3^4, 5^6\})$	4920
15	$\mathcal{O}(0; \{3^5, 5^4, 15\})$	4488
15	$\mathcal{O}(0; \{3^6, 5^2, 15^2\})$	4472
15	$\mathcal{O}(0; \{5^7, 15^2\})$	104856
15	$\mathcal{O}(0; \{3^7, 15^3\})$	4104
15	$\mathcal{O}(0; \{3, 5^5, 15^3\})$	78648
15	$\mathcal{O}(0; \{3^2, 5^3, 15^4\})$	72072
15	$\mathcal{O}(0; \{3^3, 5, 15^5\})$	70520
15	$\mathcal{O}(0; \{15^8\})$	1127288
16	$\mathcal{O}(2; \{2, 4, 16^2\})$	1048576
16	$\mathcal{O}(1; \{2^5, 4, 16^2\})$	4096
16	$\mathcal{O}(1; \{2^2, 4^3, 16^2\})$	16384
16	$\mathcal{O}(1; \{2^3, 8^2, 16^2\})$	32768
16	$\mathcal{O}(1; \{4^2, 8^2, 16^2\})$	131072
16	$\mathcal{O}(1; \{2, 8, 16^4\})$	524288
16	$\mathcal{O}(0; \{2^9, 4, 16^2\})$	16
16	$\mathcal{O}(0; \{2^6, 4^3, 16^2\})$	64
16	$\mathcal{O}(0; \{2^3, 4^5, 16^2\})$	256
16	$\mathcal{O}(0; \{4^7, 16^2\})$	1024
16	$\mathcal{O}(0; \{2^7, 8^2, 16^2\})$	128
16	$\mathcal{O}(0; \{2^4, 4^2, 8^2, 16^2\})$	512
16	$\mathcal{O}(0; \{2, 4^4, 8^2, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^2, 4, 8^4, 16^2\})$	4096

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(0; \{8^6, 16^2\})$	32768
16	$\mathcal{O}(0; \{2^5, 8, 16^4\})$	2048
16	$\mathcal{O}(0; \{2^2, 4^2, 8, 16^4\})$	8192
16	$\mathcal{O}(0; \{4, 8^3, 16^4\})$	65536
16	$\mathcal{O}(0; \{2^3, 16^6\})$	32768
16	$\mathcal{O}(0; \{4^2, 16^6\})$	131072
17	$\mathcal{O}(2; \{17^3\})$	20045040
18	$\mathcal{O}(2; \{3, 18^2\})$	1259712
18	$\mathcal{O}(1; \{2^2, 9^4\})$	52488
18	$\mathcal{O}(1; \{2, 3^2, 9^2, 18\})$	23328
18	$\mathcal{O}(1; \{2^2, 6, 9^2, 18\})$	11664
18	$\mathcal{O}(1; \{2^4, 3, 18^2\})$	3888
18	$\mathcal{O}(1; \{3^4, 18^2\})$	31104
18	$\mathcal{O}(1; \{2, 3^2, 6, 18^2\})$	15552
18	$\mathcal{O}(1; \{2^2, 6^2, 18^2\})$	7776
18	$\mathcal{O}(1; \{9^3, 18^2\})$	262440
18	$\mathcal{O}(1; \{6, 9, 18^3\})$	104976
18	$\mathcal{O}(0; \{2^6, 9^4\})$	162
18	$\mathcal{O}(0; \{2^2, 3^3, 9^4\})$	1296
18	$\mathcal{O}(0; \{2^3, 3, 6, 9^4\})$	648
18	$\mathcal{O}(0; \{3^2, 6^2, 9^4\})$	2592
18	$\mathcal{O}(0; \{2, 6^3, 9^4\})$	1296
18	$\mathcal{O}(0; \{2^5, 3^2, 9^2, 18\})$	72
18	$\mathcal{O}(0; \{2, 3^5, 9^2, 18\})$	576
18	$\mathcal{O}(0; \{2^6, 6, 9^2, 18\})$	36
18	$\mathcal{O}(0; \{2^2, 3^3, 6, 9^2, 18\})$	288
18	$\mathcal{O}(0; \{2^3, 3, 6^2, 9^2, 18\})$	144
18	$\mathcal{O}(0; \{3^2, 6^3, 9^2, 18\})$	576
18	$\mathcal{O}(0; \{2, 6^4, 9^2, 18\})$	288
18	$\mathcal{O}(0; \{2, 3, 9^5, 18\})$	10692
18	$\mathcal{O}(0; \{2^8, 3, 18^2\})$	12
18	$\mathcal{O}(0; \{2^4, 3^4, 18^2\})$	96
18	$\mathcal{O}(0; \{3^7, 18^2\})$	768
18	$\mathcal{O}(0; \{2^5, 3^2, 6, 18^2\})$	48
18	$\mathcal{O}(0; \{2, 3^5, 6, 18^2\})$	384
18	$\mathcal{O}(0; \{2^6, 6^2, 18^2\})$	24
18	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 18^2\})$	192
18	$\mathcal{O}(0; \{2^3, 3, 6^3, 18^2\})$	96
18	$\mathcal{O}(0; \{3^2, 6^4, 18^2\})$	384
18	$\mathcal{O}(0; \{2, 6^5, 18^2\})$	192
18	$\mathcal{O}(0; \{2^4, 9^3, 18^2\})$	810
18	$\mathcal{O}(0; \{3^3, 9^3, 18^2\})$	6480
18	$\mathcal{O}(0; \{2, 3, 6, 9^3, 18^2\})$	3240

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Table 2 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^3, 3^2, 9, 18^3\})$	648
18	$\mathcal{O}(0; \{2^4, 6, 9, 18^3\})$	324
18	$\mathcal{O}(0; \{3^3, 6, 9, 18^3\})$	2592
18	$\mathcal{O}(0; \{2, 3, 6^2, 9, 18^3\})$	1296
18	$\mathcal{O}(0; \{2^2, 9^2, 18^4\})$	5346
18	$\mathcal{O}(0; \{2, 3^2, 18^5\})$	3240
18	$\mathcal{O}(0; \{2^2, 6, 18^5\})$	1620
18	$\mathcal{O}(0; \{9, 18^6\})$	30618
20	$\mathcal{O}(1; \{2^2, 4^2, 5^2\})$	3200
20	$\mathcal{O}(1; \{4^2, 5, 10^2\})$	9600
20	$\mathcal{O}(1; \{4, 5^3, 20\})$	41600
20	$\mathcal{O}(1; \{2^3, 4, 10, 20\})$	3200
20	$\mathcal{O}(1; \{4^3, 10, 20\})$	12800
20	$\mathcal{O}(1; \{2, 5, 10, 20^2\})$	41600
20	$\mathcal{O}(1; \{2, 4, 20^3\})$	38400
20	$\mathcal{O}(0; \{2^6, 4^2, 5^2\})$	8
20	$\mathcal{O}(0; \{2^3, 4^4, 5^2\})$	32
20	$\mathcal{O}(0; \{4^6, 5^2\})$	128
20	$\mathcal{O}(0; \{2, 4^2, 5^4, 10\})$	408
20	$\mathcal{O}(0; \{2^4, 4^2, 5, 10^2\})$	24
20	$\mathcal{O}(0; \{2, 4^4, 5, 10^2\})$	96
20	$\mathcal{O}(0; \{2^2, 4^2, 10^4\})$	104
20	$\mathcal{O}(0; \{2^4, 4, 5^3, 20\})$	104
20	$\mathcal{O}(0; \{2, 4^3, 5^3, 20\})$	416
20	$\mathcal{O}(0; \{2^7, 4, 10, 20\})$	8
20	$\mathcal{O}(0; \{2^4, 4^3, 10, 20\})$	32
20	$\mathcal{O}(0; \{2, 4^5, 10, 20\})$	128
20	$\mathcal{O}(0; \{2^2, 4, 5^2, 10^2, 20\})$	408
20	$\mathcal{O}(0; \{4, 5, 10^4, 20\})$	1640
20	$\mathcal{O}(0; \{2^2, 5^4, 20^2\})$	1640
20	$\mathcal{O}(0; \{2^5, 5, 10, 20^2\})$	104
20	$\mathcal{O}(0; \{2^2, 4^2, 5, 10, 20^2\})$	416
20	$\mathcal{O}(0; \{5^3, 10^2, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^3, 10^3, 20^2\})$	408
20	$\mathcal{O}(0; \{4^2, 10^3, 20^2\})$	1632
20	$\mathcal{O}(0; \{2^5, 4, 20^3\})$	96
20	$\mathcal{O}(0; \{2^2, 4^3, 20^3\})$	384
20	$\mathcal{O}(0; \{4, 5^2, 10, 20^3\})$	6560
20	$\mathcal{O}(0; \{2^3, 5, 20^4\})$	1632
20	$\mathcal{O}(0; \{4^2, 5, 20^4\})$	6528
20	$\mathcal{O}(0; \{2, 10^2, 20^4\})$	6560
21	$\mathcal{O}(2; \{21^2\})$	2333772
21	$\mathcal{O}(1; \{3^2, 7^3\})$	26460

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Table 2 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
21	$\mathcal{O}(1; \{3^3, 21^2\})$	26460
21	$\mathcal{O}(0; \{3^5, 7^3\})$	300
21	$\mathcal{O}(0; \{3, 7^5, 21\})$	13332
21	$\mathcal{O}(0; \{3^6, 21^2\})$	516
21	$\mathcal{O}(0; \{3^2, 7^2, 21^3\})$	11100
22	$\mathcal{O}(1; \{2^2, 11^3\})$	43560
22	$\mathcal{O}(1; \{11^2, 22^2\})$	440440
22	$\mathcal{O}(0; \{2^6, 11^3\})$	90
22	$\mathcal{O}(0; \{2^4, 11^2, 22^2\})$	910
22	$\mathcal{O}(0; \{2^2, 11, 22^4\})$	9090
22	$\mathcal{O}(0; \{22^6\})$	90910
24	$\mathcal{O}(1; \{6^2, 8^2\})$	4608
24	$\mathcal{O}(1; \{4, 6, 8, 24\})$	9216
24	$\mathcal{O}(1; \{3, 8, 12, 24\})$	9216
24	$\mathcal{O}(1; \{2^3, 24^2\})$	4608
24	$\mathcal{O}(1; \{4^2, 24^2\})$	18432
24	$\mathcal{O}(1; \{3, 6, 24^2\})$	13824
24	$\mathcal{O}(0; \{2^2, 3^4, 8^2\})$	24
24	$\mathcal{O}(0; \{2^3, 3^2, 6, 8^2\})$	8
24	$\mathcal{O}(0; \{3^2, 4^2, 6, 8^2\})$	32
24	$\mathcal{O}(0; \{2^4, 6^2, 8^2\})$	8
24	$\mathcal{O}(0; \{3^3, 6^2, 8^2\})$	40
24	$\mathcal{O}(0; \{2, 4^2, 6^2, 8^2\})$	32
24	$\mathcal{O}(0; \{2, 3, 6^3, 8^2\})$	24
24	$\mathcal{O}(0; \{3^3, 4, 8^2, 12\})$	96
24	$\mathcal{O}(0; \{2, 3, 4, 6, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{2, 3^2, 8^2, 12^2\})$	96
24	$\mathcal{O}(0; \{2^2, 6, 8^2, 12^2\})$	32
24	$\mathcal{O}(0; \{8^2, 12^4\})$	384
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 8, 24\})$	16
24	$\mathcal{O}(0; \{3^2, 4^3, 8, 24\})$	64
24	$\mathcal{O}(0; \{2^4, 4, 6, 8, 24\})$	16
24	$\mathcal{O}(0; \{3^3, 4, 6, 8, 24\})$	80
24	$\mathcal{O}(0; \{2, 4^3, 6, 8, 24\})$	64
24	$\mathcal{O}(0; \{2, 3, 4, 6^2, 8, 24\})$	48
24	$\mathcal{O}(0; \{2, 3^2, 8^3, 24\})$	128
24	$\mathcal{O}(0; \{2^2, 6, 8^3, 24\})$	128
24	$\mathcal{O}(0; \{2^4, 3, 8, 12, 24\})$	16
24	$\mathcal{O}(0; \{3^4, 8, 12, 24\})$	176
24	$\mathcal{O}(0; \{2, 3, 4^2, 8, 12, 24\})$	64
24	$\mathcal{O}(0; \{2, 3^2, 6, 8, 12, 24\})$	80
24	$\mathcal{O}(0; \{2^2, 6^2, 8, 12, 24\})$	48
24	$\mathcal{O}(0; \{2^2, 4, 8, 12^2, 24\})$	64

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Table 2 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{8^3, 12^2, 24\})$	512
24	$\mathcal{O}(0; \{6, 8, 12^3, 24\})$	320
24	$\mathcal{O}(0; \{2^7, 24^2\})$	8
24	$\mathcal{O}(0; \{2^3, 3^3, 24^2\})$	40
24	$\mathcal{O}(0; \{2^4, 4^2, 24^2\})$	32
24	$\mathcal{O}(0; \{3^3, 4^2, 24^2\})$	160
24	$\mathcal{O}(0; \{2, 4^4, 24^2\})$	128
24	$\mathcal{O}(0; \{2^4, 3, 6, 24^2\})$	24
24	$\mathcal{O}(0; \{3^4, 6, 24^2\})$	168
24	$\mathcal{O}(0; \{2, 3, 4^2, 6, 24^2\})$	96
24	$\mathcal{O}(0; \{2, 3^2, 6^2, 24^2\})$	88
24	$\mathcal{O}(0; \{2^2, 6^3, 24^2\})$	40
24	$\mathcal{O}(0; \{2^2, 4, 8^2, 24^2\})$	256
24	$\mathcal{O}(0; \{8^4, 24^2\})$	2048
24	$\mathcal{O}(0; \{2, 3^2, 4, 12, 24^2\})$	160
24	$\mathcal{O}(0; \{2^2, 4, 6, 12, 24^2\})$	96
24	$\mathcal{O}(0; \{6, 8^2, 12, 24^2\})$	768
24	$\mathcal{O}(0; \{2^2, 3, 12^2, 24^2\})$	160
24	$\mathcal{O}(0; \{6^2, 12^2, 24^2\})$	352
24	$\mathcal{O}(0; \{4, 12^3, 24^2\})$	640
24	$\mathcal{O}(0; \{2^2, 3, 8, 24^3\})$	384
24	$\mathcal{O}(0; \{6^2, 8, 24^3\})$	640
24	$\mathcal{O}(0; \{4, 8, 12, 24^3\})$	1536
24	$\mathcal{O}(0; \{4, 6, 24^4\})$	1280
24	$\mathcal{O}(0; \{3, 12, 24^4\})$	2816
25	$\mathcal{O}(0; \{5^3, 25^3\})$	19200
26	$\mathcal{O}(0; \{2, 13^4, 26\})$	19140
27	$\mathcal{O}(0; \{3^2, 9^2, 27^2\})$	2592
28	$\mathcal{O}(1; \{2^2, 28^2\})$	9408
28	$\mathcal{O}(0; \{4^2, 7^4\})$	372
28	$\mathcal{O}(0; \{2^3, 4, 7^2, 28\})$	60
28	$\mathcal{O}(0; \{4^3, 7^2, 28\})$	240
28	$\mathcal{O}(0; \{2, 4, 7, 14^2, 28\})$	372
28	$\mathcal{O}(0; \{2^6, 28^2\})$	12
28	$\mathcal{O}(0; \{2^3, 4^2, 28^2\})$	48
28	$\mathcal{O}(0; \{4^4, 28^2\})$	192
29	$\mathcal{O}(0; \{29^5\})$	593460
30	$\mathcal{O}(1; \{6, 15, 30\})$	7200
30	$\mathcal{O}(1; \{5, 30^2\})$	21600
30	$\mathcal{O}(0; \{2^2, 3^2, 5^3\})$	24
30	$\mathcal{O}(0; \{3, 5^3, 6^2\})$	24
30	$\mathcal{O}(0; \{3^2, 5^2, 10^2\})$	104
30	$\mathcal{O}(0; \{2^2, 3^3, 5, 15\})$	24

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Table 2 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^3, 3, 5, 6, 15\})$	8
30	$\mathcal{O}(0; \{3^2, 5, 6^2, 15\})$	40
30	$\mathcal{O}(0; \{2, 5, 6^3, 15\})$	24
30	$\mathcal{O}(0; \{3^3, 10^2, 15\})$	72
30	$\mathcal{O}(0; \{2, 3, 6, 10^2, 15\})$	24
30	$\mathcal{O}(0; \{2, 3, 5, 10, 15^2\})$	104
30	$\mathcal{O}(0; \{2^2, 15^4\})$	312
30	$\mathcal{O}(0; \{2^3, 3, 5^2, 30\})$	24
30	$\mathcal{O}(0; \{3^2, 5^2, 6, 30\})$	72
30	$\mathcal{O}(0; \{2, 5^2, 6^2, 30\})$	24
30	$\mathcal{O}(0; \{2, 3, 5, 10^2, 30\})$	104
30	$\mathcal{O}(0; \{2^3, 3^2, 15, 30\})$	24
30	$\mathcal{O}(0; \{2^4, 6, 15, 30\})$	8
30	$\mathcal{O}(0; \{3^3, 6, 15, 30\})$	88
30	$\mathcal{O}(0; \{2, 3, 6^2, 15, 30\})$	40
30	$\mathcal{O}(0; \{2^2, 10, 15^2, 30\})$	104
30	$\mathcal{O}(0; \{2^4, 5, 30^2\})$	24
30	$\mathcal{O}(0; \{3^3, 5, 30^2\})$	120
30	$\mathcal{O}(0; \{2, 3, 5, 6, 30^2\})$	72
30	$\mathcal{O}(0; \{2^2, 10^2, 30^2\})$	104
30	$\mathcal{O}(0; \{15^3, 30^2\})$	2040
30	$\mathcal{O}(0; \{2, 3^2, 30^3\})$	120
30	$\mathcal{O}(0; \{2^2, 6, 30^3\})$	72
30	$\mathcal{O}(0; \{10, 15, 30^3\})$	1224
32	$\mathcal{O}(0; \{2^2, 4, 8, 32^2\})$	128
32	$\mathcal{O}(0; \{8^3, 32^2\})$	1024
32	$\mathcal{O}(0; \{4, 16^2, 32^2\})$	2048
33	$\mathcal{O}(0; \{3^4, 11^2\})$	60
33	$\mathcal{O}(0; \{3, 11, 33^3\})$	5460
34	$\mathcal{O}(1; \{2, 17, 34\})$	18496
34	$\mathcal{O}(0; \{2^5, 17, 34\})$	16
34	$\mathcal{O}(0; \{2^3, 34^3\})$	240
35	$\mathcal{O}(0; \{5, 7^3, 35\})$	744
35	$\mathcal{O}(0; \{5^3, 35^2\})$	1224
36	$\mathcal{O}(0; \{2^2, 4^2, 9^2\})$	12
36	$\mathcal{O}(0; \{4, 6, 9^2, 12\})$	48
36	$\mathcal{O}(0; \{3, 9^2, 12^2\})$	96
36	$\mathcal{O}(0; \{4^2, 9, 18^2\})$	36
36	$\mathcal{O}(0; \{2^2, 3, 4, 9, 36\})$	24
36	$\mathcal{O}(0; \{4, 6^2, 9, 36\})$	48
36	$\mathcal{O}(0; \{2^3, 9, 12, 36\})$	24
36	$\mathcal{O}(0; \{4^2, 9, 12, 36\})$	96
36	$\mathcal{O}(0; \{3, 6, 9, 12, 36\})$	96

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Table 2 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{3, 4, 18^2, 36\})$	72
36	$\mathcal{O}(0; \{2, 12, 18^2, 36\})$	72
36	$\mathcal{O}(0; \{2^2, 3^2, 36^2\})$	48
36	$\mathcal{O}(0; \{2^3, 6, 36^2\})$	24
36	$\mathcal{O}(0; \{4^2, 6, 36^2\})$	96
36	$\mathcal{O}(0; \{3, 6^2, 36^2\})$	96
36	$\mathcal{O}(0; \{3, 4, 12, 36^2\})$	192
36	$\mathcal{O}(0; \{2, 12^2, 36^2\})$	192
36	$\mathcal{O}(0; \{2, 9, 18, 36^2\})$	324
39	$\mathcal{O}(0; \{3^2, 13^3\})$	264
40	$\mathcal{O}(0; \{2, 8^2, 10^2\})$	16
40	$\mathcal{O}(0; \{2, 5, 8, 10, 40\})$	48
40	$\mathcal{O}(0; \{2, 4, 8, 20, 40\})$	64
40	$\mathcal{O}(0; \{2, 5^2, 40^2\})$	208
41	$\mathcal{O}(2; \emptyset)$	2825760
42	$\mathcal{O}(1; \{42^2\})$	21168
42	$\mathcal{O}(0; \{3^2, 6, 7, 14\})$	12
42	$\mathcal{O}(0; \{2, 6^2, 7, 14\})$	12
42	$\mathcal{O}(0; \{2, 3, 7, 21, 42\})$	60
42	$\mathcal{O}(0; \{2^4, 42^2\})$	12
42	$\mathcal{O}(0; \{3^3, 42^2\})$	60
42	$\mathcal{O}(0; \{2, 3, 6, 42^2\})$	36
43	$\mathcal{O}(0; \{43^4\})$	72366
44	$\mathcal{O}(0; \{2, 4^2, 11, 22\})$	20
44	$\mathcal{O}(0; \{2^2, 11, 44^2\})$	180
44	$\mathcal{O}(0; \{22^2, 44^2\})$	1820
45	$\mathcal{O}(0; \{15^2, 45^2\})$	1248
45	$\mathcal{O}(0; \{9, 45^3\})$	1944
48	$\mathcal{O}(0; \{2, 3^2, 16^2\})$	16
48	$\mathcal{O}(0; \{12^2, 16^2\})$	64
48	$\mathcal{O}(0; \{8, 12, 16, 48\})$	128
48	$\mathcal{O}(0; \{6, 16, 24, 48\})$	64
48	$\mathcal{O}(0; \{2^2, 4, 48^2\})$	32
48	$\mathcal{O}(0; \{8^2, 48^2\})$	256
48	$\mathcal{O}(0; \{6, 12, 48^2\})$	96
49	$\mathcal{O}(0; \{7^2, 49^2\})$	1512
50	$\mathcal{O}(0; \{5, 10, 25, 50\})$	320
51	$\mathcal{O}(0; \{3, 51^3\})$	1440
52	$\mathcal{O}(0; \{4, 13^2, 52\})$	264
54	$\mathcal{O}(0; \{3, 9, 54^2\})$	216
55	$\mathcal{O}(0; \{5^2, 11, 55\})$	120
56	$\mathcal{O}(0; \{7^2, 8^2\})$	24
56	$\mathcal{O}(0; \{4, 7, 8, 56\})$	48

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
56	$\mathcal{O}(0; \{2^3, 56^2\})$	24
56	$\mathcal{O}(0; \{4^2, 56^2\})$	96
58	$\mathcal{O}(0; \{2, 29^2, 58\})$	756
60	$\mathcal{O}(0; \{4^2, 15^2\})$	16
60	$\mathcal{O}(0; \{4, 5, 6, 60\})$	16
60	$\mathcal{O}(0; \{3, 5, 12, 60\})$	16
60	$\mathcal{O}(0; \{2, 15, 20, 60\})$	48
60	$\mathcal{O}(0; \{3, 4, 30, 60\})$	16
60	$\mathcal{O}(0; \{2, 12, 30, 60\})$	16
60	$\mathcal{O}(0; \{2, 10, 60^2\})$	48
63	$\mathcal{O}(0; \{3^2, 63^2\})$	144
66	$\mathcal{O}(0; \{3^2, 22^2\})$	20
68	$\mathcal{O}(0; \{2, 4, 34, 68\})$	32
72	$\mathcal{O}(0; \{2, 3, 72^2\})$	48
82	$\mathcal{O}(1; \{2^2\})$	6720
84	$\mathcal{O}(0; \{2^2, 84^2\})$	24
85	$\mathcal{O}(0; \{85^3\})$	2880
86	$\mathcal{O}(0; \{2^2, 43^2\})$	42
86	$\mathcal{O}(0; \{43, 86^2\})$	1722
87	$\mathcal{O}(0; \{29, 87^2\})$	1512
88	$\mathcal{O}(0; \{22, 88^2\})$	360
90	$\mathcal{O}(0; \{18, 45, 90\})$	72
90	$\mathcal{O}(0; \{15, 90^2\})$	144
91	$\mathcal{O}(0; \{13, 91^2\})$	792
96	$\mathcal{O}(0; \{8, 96^2\})$	128
98	$\mathcal{O}(0; \{7, 98^2\})$	252
102	$\mathcal{O}(0; \{6, 51, 102\})$	32
104	$\mathcal{O}(0; \{8, 13, 104\})$	48
105	$\mathcal{O}(0; \{7, 15, 105\})$	48
105	$\mathcal{O}(0; \{5, 105^2\})$	144
110	$\mathcal{O}(0; \{5, 22, 110\})$	40
112	$\mathcal{O}(0; \{4, 112^2\})$	96
116	$\mathcal{O}(0; \{4, 29, 116\})$	56
126	$\mathcal{O}(0; \{3, 126^2\})$	72
129	$\mathcal{O}(0; \{3, 43, 129\})$	84
168	$\mathcal{O}(0; \{2, 168^2\})$	48
170	$\mathcal{O}(0; \{2, 85, 170\})$	64

Table 3: 43-admissible orbifolds.

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(43; \emptyset)$	1
2	$\mathcal{O}(22; \emptyset)$	17592186044415
2	$\mathcal{O}(21; \{2^4\})$	4398046511104
2	$\mathcal{O}(20; \{2^8\})$	1099511627776
2	$\mathcal{O}(19; \{2^{12}\})$	274877906944
2	$\mathcal{O}(18; \{2^{16}\})$	68719476736
2	$\mathcal{O}(17; \{2^{20}\})$	17179869184
2	$\mathcal{O}(16; \{2^{24}\})$	4294967296
2	$\mathcal{O}(15; \{2^{28}\})$	1073741824
2	$\mathcal{O}(14; \{2^{32}\})$	268435456
2	$\mathcal{O}(13; \{2^{36}\})$	67108864
2	$\mathcal{O}(12; \{2^{40}\})$	16777216
2	$\mathcal{O}(11; \{2^{44}\})$	4194304
2	$\mathcal{O}(10; \{2^{48}\})$	1048576
2	$\mathcal{O}(9; \{2^{52}\})$	262144
2	$\mathcal{O}(8; \{2^{56}\})$	65536
2	$\mathcal{O}(7; \{2^{60}\})$	16384
2	$\mathcal{O}(6; \{2^{64}\})$	4096
2	$\mathcal{O}(5; \{2^{68}\})$	1024
2	$\mathcal{O}(4; \{2^{72}\})$	256
2	$\mathcal{O}(3; \{2^{76}\})$	64
2	$\mathcal{O}(2; \{2^{80}\})$	16
2	$\mathcal{O}(1; \{2^{84}\})$	4
2	$\mathcal{O}(0; \{2^{88}\})$	1
3	$\mathcal{O}(15; \emptyset)$	205891132094648
3	$\mathcal{O}(14; \{3^3\})$	45753584909922
3	$\mathcal{O}(13; \{3^6\})$	55921048223238
3	$\mathcal{O}(12; \{3^9\})$	48013021201770
3	$\mathcal{O}(11; \{3^{12}\})$	42866527425894
3	$\mathcal{O}(10; \{3^{15}\})$	38082659227722
3	$\mathcal{O}(9; \{3^{18}\})$	33853577169798
3	$\mathcal{O}(8; \{3^{21}\})$	30091810315050
3	$\mathcal{O}(7; \{3^{24}\})$	26748304533414
3	$\mathcal{O}(6; \{3^{27}\})$	23776267507722
3	$\mathcal{O}(5; \{3^{30}\})$	21134460361158
3	$\mathcal{O}(4; \{3^{33}\})$	18786186948330
3	$\mathcal{O}(3; \{3^{36}\})$	16698832847334
3	$\mathcal{O}(2; \{3^{39}\})$	14843406974922
3	$\mathcal{O}(1; \{3^{42}\})$	13194139533318
3	$\mathcal{O}(0; \{3^{45}\})$	11728124029610
4	$\mathcal{O}(11; \{2^2\})$	17592181850112
4	$\mathcal{O}(10; \{2^6\})$	1099510579200

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Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(10; \{2^3, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{4^4\})$	8796093022208
4	$\mathcal{O}(9; \{2^{10}\})$	68719214592
4	$\mathcal{O}(9; \{2^7, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^4, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2, 4^6\})$	2199023255552
4	$\mathcal{O}(8; \{2^{14}\})$	4294901760
4	$\mathcal{O}(8; \{2^{11}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^8, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^5, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^2, 4^8\})$	549755813888
4	$\mathcal{O}(7; \{2^{18}\})$	268419072
4	$\mathcal{O}(7; \{2^{15}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{12}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^9, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^6, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^3, 4^{10}\})$	137438953472
4	$\mathcal{O}(7; \{4^{12}\})$	549755813888
4	$\mathcal{O}(6; \{2^{22}\})$	16773120
4	$\mathcal{O}(6; \{2^{19}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{16}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{13}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^{10}, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^7, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^4, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{2, 4^{14}\})$	137438953472
4	$\mathcal{O}(5; \{2^{26}\})$	1047552
4	$\mathcal{O}(5; \{2^{23}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^{20}, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^{17}, 4^6\})$	33554432
4	$\mathcal{O}(5; \{2^{14}, 4^8\})$	134217728
4	$\mathcal{O}(5; \{2^{11}, 4^{10}\})$	536870912
4	$\mathcal{O}(5; \{2^8, 4^{12}\})$	2147483648
4	$\mathcal{O}(5; \{2^5, 4^{14}\})$	8589934592
4	$\mathcal{O}(5; \{2^2, 4^{16}\})$	34359738368
4	$\mathcal{O}(4; \{2^{30}\})$	65280
4	$\mathcal{O}(4; \{2^{27}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{24}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{21}, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^{18}, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^{15}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{12}, 4^{12}\})$	134217728
4	$\mathcal{O}(4; \{2^9, 4^{14}\})$	536870912

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Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(4; \{2^6, 4^{16}\})$	2147483648
4	$\mathcal{O}(4; \{2^3, 4^{18}\})$	8589934592
4	$\mathcal{O}(4; \{4^{20}\})$	34359738368
4	$\mathcal{O}(3; \{2^{34}\})$	4032
4	$\mathcal{O}(3; \{2^{31}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{28}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{25}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{22}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{19}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{16}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{13}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{10}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^7, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^4, 4^{20}\})$	2147483648
4	$\mathcal{O}(3; \{2, 4^{22}\})$	8589934592
4	$\mathcal{O}(2; \{2^{38}\})$	240
4	$\mathcal{O}(2; \{2^{35}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{32}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{29}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{26}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{23}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{20}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{17}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{14}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{11}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^8, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^5, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^2, 4^{24}\})$	2147483648
4	$\mathcal{O}(1; \{2^{42}\})$	12
4	$\mathcal{O}(1; \{2^{39}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{36}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{33}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{30}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{27}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{24}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{21}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{18}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{15}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{12}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^9, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^6, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^3, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{4^{28}\})$	2147483648

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Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(0; \{2^{43}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{40}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{37}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{34}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{31}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{28}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{25}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{22}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{19}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{16}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{13}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{10}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^7, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^4, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2, 4^{30}\})$	536870912
5	$\mathcal{O}(7; \{5^6\})$	5004882812500
5	$\mathcal{O}(5; \{5^{11}\})$	8191992187500
5	$\mathcal{O}(3; \{5^{16}\})$	13421772812500
5	$\mathcal{O}(1; \{5^{21}\})$	21990232555500
6	$\mathcal{O}(8; \emptyset)$	2821066795200
6	$\mathcal{O}(7; \{2^4\})$	78364147712
6	$\mathcal{O}(7; \{3^3\})$	156718762254
6	$\mathcal{O}(7; \{2, 3, 6\})$	156728328192
6	$\mathcal{O}(6; \{2^8\})$	2176778240
6	$\mathcal{O}(6; \{2^4, 3^3\})$	4353564672
6	$\mathcal{O}(6; \{3^6\})$	47877519690
6	$\mathcal{O}(6; \{2^5, 3, 6\})$	4353564672
6	$\mathcal{O}(6; \{2, 3^4, 6\})$	21767823360
6	$\mathcal{O}(6; \{2^2, 3^2, 6^2\})$	13060694016
6	$\mathcal{O}(6; \{2^3, 6^3\})$	4353564672
6	$\mathcal{O}(6; \{3, 6^4\})$	21767823360
6	$\mathcal{O}(5; \{2^{12}\})$	60465152
6	$\mathcal{O}(5; \{2^8, 3^3\})$	120932352
6	$\mathcal{O}(5; \{2^4, 3^6\})$	1330255872
6	$\mathcal{O}(5; \{3^9\})$	10269211590
6	$\mathcal{O}(5; \{2^9, 3, 6\})$	120932352
6	$\mathcal{O}(5; \{2^5, 3^4, 6\})$	604661760
6	$\mathcal{O}(5; \{2, 3^7, 6\})$	5200091136
6	$\mathcal{O}(5; \{2^6, 3^2, 6^2\})$	362797056
6	$\mathcal{O}(5; \{2^2, 3^5, 6^2\})$	2539579392
6	$\mathcal{O}(5; \{2^7, 6^3\})$	120932352
6	$\mathcal{O}(5; \{2^3, 3^3, 6^3\})$	1330255872
6	$\mathcal{O}(5; \{2^4, 3, 6^4\})$	604661760

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Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{3^4, 6^4\})$	5200091136
6	$\mathcal{O}(5; \{2, 3^2, 6^5\})$	2539579392
6	$\mathcal{O}(5; \{2^2, 6^6\})$	1330255872
6	$\mathcal{O}(4; \{2^{16}\})$	1679360
6	$\mathcal{O}(4; \{2^{12}, 3^3\})$	3359232
6	$\mathcal{O}(4; \{2^8, 3^6\})$	36951552
6	$\mathcal{O}(4; \{2^4, 3^9\})$	285534720
6	$\mathcal{O}(4; \{3^{12}\})$	2285393130
6	$\mathcal{O}(4; \{2^{13}, 3, 6\})$	3359232
6	$\mathcal{O}(4; \{2^9, 3^4, 6\})$	16796160
6	$\mathcal{O}(4; \{2^5, 3^7, 6\})$	144446976
6	$\mathcal{O}(4; \{2, 3^{10}, 6\})$	1145498112
6	$\mathcal{O}(4; \{2^{10}, 3^2, 6^2\})$	10077696
6	$\mathcal{O}(4; \{2^6, 3^5, 6^2\})$	70543872
6	$\mathcal{O}(4; \{2^2, 3^8, 6^2\})$	574428672
6	$\mathcal{O}(4; \{2^{11}, 6^3\})$	3359232
6	$\mathcal{O}(4; \{2^7, 3^3, 6^3\})$	36951552
6	$\mathcal{O}(4; \{2^3, 3^6, 6^3\})$	285534720
6	$\mathcal{O}(4; \{2^8, 3, 6^4\})$	16796160
6	$\mathcal{O}(4; \{2^4, 3^4, 6^4\})$	144446976
6	$\mathcal{O}(4; \{3^7, 6^4\})$	1145498112
6	$\mathcal{O}(4; \{2^5, 3^2, 6^5\})$	70543872
6	$\mathcal{O}(4; \{2, 3^5, 6^5\})$	574428672
6	$\mathcal{O}(4; \{2^6, 6^6\})$	36951552
6	$\mathcal{O}(4; \{2^2, 3^3, 6^6\})$	285534720
6	$\mathcal{O}(4; \{2^3, 3, 6^7\})$	144446976
6	$\mathcal{O}(4; \{3^2, 6^8\})$	574428672
6	$\mathcal{O}(4; \{2, 6^9\})$	285534720
6	$\mathcal{O}(3; \{2^{20}\})$	46592
6	$\mathcal{O}(3; \{2^{16}, 3^3\})$	93312
6	$\mathcal{O}(3; \{2^{12}, 3^6\})$	1026432
6	$\mathcal{O}(3; \{2^8, 3^9\})$	7931520
6	$\mathcal{O}(3; \{2^4, 3^{12}\})$	63732096
6	$\mathcal{O}(3; \{3^{15}\})$	501614694
6	$\mathcal{O}(3; \{2^{17}, 3, 6\})$	93312
6	$\mathcal{O}(3; \{2^{13}, 3^4, 6\})$	466560
6	$\mathcal{O}(3; \{2^9, 3^7, 6\})$	4012416
6	$\mathcal{O}(3; \{2^5, 3^{10}, 6\})$	31819392
6	$\mathcal{O}(3; \{2, 3^{13}, 6\})$	254835072
6	$\mathcal{O}(3; \{2^{14}, 3^2, 6^2\})$	279936
6	$\mathcal{O}(3; \{2^{10}, 3^5, 6^2\})$	1959552
6	$\mathcal{O}(3; \{2^6, 3^8, 6^2\})$	15956352
6	$\mathcal{O}(3; \{2^2, 3^{11}, 6^2\})$	127370880

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Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{15}, 6^3\})$	93312
6	$\mathcal{O}(3; \{2^{11}, 3^3, 6^3\})$	1026432
6	$\mathcal{O}(3; \{2^7, 3^6, 6^3\})$	7931520
6	$\mathcal{O}(3; \{2^3, 3^9, 6^3\})$	63732096
6	$\mathcal{O}(3; \{2^{12}, 3, 6^4\})$	466560
6	$\mathcal{O}(3; \{2^8, 3^4, 6^4\})$	4012416
6	$\mathcal{O}(3; \{2^4, 3^7, 6^4\})$	31819392
6	$\mathcal{O}(3; \{3^{10}, 6^4\})$	254835072
6	$\mathcal{O}(3; \{2^9, 3^2, 6^5\})$	1959552
6	$\mathcal{O}(3; \{2^5, 3^5, 6^5\})$	15956352
6	$\mathcal{O}(3; \{2, 3^8, 6^5\})$	127370880
6	$\mathcal{O}(3; \{2^{10}, 6^6\})$	1026432
6	$\mathcal{O}(3; \{2^6, 3^3, 6^6\})$	7931520
6	$\mathcal{O}(3; \{2^2, 3^6, 6^6\})$	63732096
6	$\mathcal{O}(3; \{2^7, 3, 6^7\})$	4012416
6	$\mathcal{O}(3; \{2^3, 3^4, 6^7\})$	31819392
6	$\mathcal{O}(3; \{2^4, 3^2, 6^8\})$	15956352
6	$\mathcal{O}(3; \{3^5, 6^8\})$	127370880
6	$\mathcal{O}(3; \{2^5, 6^9\})$	7931520
6	$\mathcal{O}(3; \{2, 3^3, 6^9\})$	63732096
6	$\mathcal{O}(3; \{2^2, 3, 6^{10}\})$	31819392
6	$\mathcal{O}(3; \{6^{12}\})$	63732096
6	$\mathcal{O}(2; \{2^{24}\})$	1280
6	$\mathcal{O}(2; \{2^{20}, 3^3\})$	2592
6	$\mathcal{O}(2; \{2^{16}, 3^6\})$	28512
6	$\mathcal{O}(2; \{2^{12}, 3^9\})$	220320
6	$\mathcal{O}(2; \{2^8, 3^{12}\})$	1770336
6	$\mathcal{O}(2; \{2^4, 3^{15}\})$	14154912
6	$\mathcal{O}(2; \{3^{18}\})$	106169130
6	$\mathcal{O}(2; \{2^{21}, 3, 6\})$	2592
6	$\mathcal{O}(2; \{2^{17}, 3^4, 6\})$	12960
6	$\mathcal{O}(2; \{2^{13}, 3^7, 6\})$	111456
6	$\mathcal{O}(2; \{2^9, 3^{10}, 6\})$	883872
6	$\mathcal{O}(2; \{2^5, 3^{13}, 6\})$	7078752
6	$\mathcal{O}(2; \{2, 3^{16}, 6\})$	56622240
6	$\mathcal{O}(2; \{2^{18}, 3^2, 6^2\})$	7776
6	$\mathcal{O}(2; \{2^{14}, 3^5, 6^2\})$	54432
6	$\mathcal{O}(2; \{2^{10}, 3^8, 6^2\})$	443232
6	$\mathcal{O}(2; \{2^6, 3^{11}, 6^2\})$	3538080
6	$\mathcal{O}(2; \{2^2, 3^{14}, 6^2\})$	28312416
6	$\mathcal{O}(2; \{2^{19}, 6^3\})$	2592
6	$\mathcal{O}(2; \{2^{15}, 3^3, 6^3\})$	28512
6	$\mathcal{O}(2; \{2^{11}, 3^6, 6^3\})$	220320

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Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^7, 3^9, 6^3\})$	1770336
6	$\mathcal{O}(2; \{2^3, 3^{12}, 6^3\})$	14154912
6	$\mathcal{O}(2; \{2^{16}, 3, 6^4\})$	12960
6	$\mathcal{O}(2; \{2^{12}, 3^4, 6^4\})$	111456
6	$\mathcal{O}(2; \{2^8, 3^7, 6^4\})$	883872
6	$\mathcal{O}(2; \{2^4, 3^{10}, 6^4\})$	7078752
6	$\mathcal{O}(2; \{3^{13}, 6^4\})$	56622240
6	$\mathcal{O}(2; \{2^{13}, 3^2, 6^5\})$	54432
6	$\mathcal{O}(2; \{2^9, 3^5, 6^5\})$	443232
6	$\mathcal{O}(2; \{2^5, 3^8, 6^5\})$	3538080
6	$\mathcal{O}(2; \{2, 3^{11}, 6^5\})$	28312416
6	$\mathcal{O}(2; \{2^{14}, 6^6\})$	28512
6	$\mathcal{O}(2; \{2^{10}, 3^3, 6^6\})$	220320
6	$\mathcal{O}(2; \{2^6, 3^6, 6^6\})$	1770336
6	$\mathcal{O}(2; \{2^2, 3^9, 6^6\})$	14154912
6	$\mathcal{O}(2; \{2^{11}, 3, 6^7\})$	111456
6	$\mathcal{O}(2; \{2^7, 3^4, 6^7\})$	883872
6	$\mathcal{O}(2; \{2^3, 3^7, 6^7\})$	7078752
6	$\mathcal{O}(2; \{2^8, 3^2, 6^8\})$	443232
6	$\mathcal{O}(2; \{2^4, 3^5, 6^8\})$	3538080
6	$\mathcal{O}(2; \{3^8, 6^8\})$	28312416
6	$\mathcal{O}(2; \{2^9, 6^9\})$	220320
6	$\mathcal{O}(2; \{2^5, 3^3, 6^9\})$	1770336
6	$\mathcal{O}(2; \{2, 3^6, 6^9\})$	14154912
6	$\mathcal{O}(2; \{2^6, 3, 6^{10}\})$	883872
6	$\mathcal{O}(2; \{2^2, 3^4, 6^{10}\})$	7078752
6	$\mathcal{O}(2; \{2^3, 3^2, 6^{11}\})$	3538080
6	$\mathcal{O}(2; \{2^4, 6^{12}\})$	1770336
6	$\mathcal{O}(2; \{3^3, 6^{12}\})$	14154912
6	$\mathcal{O}(2; \{2, 3, 6^{13}\})$	7078752
6	$\mathcal{O}(1; \{2^{28}\})$	32
6	$\mathcal{O}(1; \{2^{24}, 3^3\})$	72
6	$\mathcal{O}(1; \{2^{20}, 3^6\})$	792
6	$\mathcal{O}(1; \{2^{16}, 3^9\})$	6120
6	$\mathcal{O}(1; \{2^{12}, 3^{12}\})$	49176
6	$\mathcal{O}(1; \{2^8, 3^{15}\})$	393192
6	$\mathcal{O}(1; \{2^4, 3^{18}\})$	3145752
6	$\mathcal{O}(1; \{3^{21}\})$	18874350
6	$\mathcal{O}(1; \{2^{25}, 3, 6\})$	72
6	$\mathcal{O}(1; \{2^{21}, 3^4, 6\})$	360
6	$\mathcal{O}(1; \{2^{17}, 3^7, 6\})$	3096
6	$\mathcal{O}(1; \{2^{13}, 3^{10}, 6\})$	24552
6	$\mathcal{O}(1; \{2^9, 3^{13}, 6\})$	196632

Continued on next page

Table 3 – continued from previous page

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

Continued on next page

Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^6, 3^4, 6^{10}\})$	196632
6	$\mathcal{O}(1; \{2^2, 3^7, 6^{10}\})$	1572840
6	$\mathcal{O}(1; \{2^7, 3^2, 6^{11}\})$	98280
6	$\mathcal{O}(1; \{2^3, 3^5, 6^{11}\})$	786456
6	$\mathcal{O}(1; \{2^8, 6^{12}\})$	49176
6	$\mathcal{O}(1; \{2^4, 3^3, 6^{12}\})$	393192
6	$\mathcal{O}(1; \{3^6, 6^{12}\})$	3145752
6	$\mathcal{O}(1; \{2^5, 3, 6^{13}\})$	196632
6	$\mathcal{O}(1; \{2, 3^4, 6^{13}\})$	1572840
6	$\mathcal{O}(1; \{2^2, 3^2, 6^{14}\})$	786456
6	$\mathcal{O}(1; \{2^3, 6^{15}\})$	393192
6	$\mathcal{O}(1; \{3, 6^{16}\})$	1572840
6	$\mathcal{O}(0; \{2^{28}, 3^3\})$	2
6	$\mathcal{O}(0; \{2^{24}, 3^6\})$	22
6	$\mathcal{O}(0; \{2^{20}, 3^9\})$	170
6	$\mathcal{O}(0; \{2^{16}, 3^{12}\})$	1366
6	$\mathcal{O}(0; \{2^{12}, 3^{15}\})$	10922
6	$\mathcal{O}(0; \{2^8, 3^{18}\})$	87382
6	$\mathcal{O}(0; \{2^4, 3^{21}\})$	699050
6	$\mathcal{O}(0; \{2^{29}, 3, 6\})$	2
6	$\mathcal{O}(0; \{2^{25}, 3^4, 6\})$	10
6	$\mathcal{O}(0; \{2^{21}, 3^7, 6\})$	86
6	$\mathcal{O}(0; \{2^{17}, 3^{10}, 6\})$	682
6	$\mathcal{O}(0; \{2^{13}, 3^{13}, 6\})$	5462
6	$\mathcal{O}(0; \{2^9, 3^{16}, 6\})$	43690
6	$\mathcal{O}(0; \{2^5, 3^{19}, 6\})$	349526
6	$\mathcal{O}(0; \{2, 3^{22}, 6\})$	2796202
6	$\mathcal{O}(0; \{2^{26}, 3^2, 6^2\})$	6
6	$\mathcal{O}(0; \{2^{22}, 3^5, 6^2\})$	42
6	$\mathcal{O}(0; \{2^{18}, 3^8, 6^2\})$	342
6	$\mathcal{O}(0; \{2^{14}, 3^{11}, 6^2\})$	2730
6	$\mathcal{O}(0; \{2^{10}, 3^{14}, 6^2\})$	21846
6	$\mathcal{O}(0; \{2^6, 3^{17}, 6^2\})$	174762
6	$\mathcal{O}(0; \{2^2, 3^{20}, 6^2\})$	1398102
6	$\mathcal{O}(0; \{2^{27}, 6^3\})$	2
6	$\mathcal{O}(0; \{2^{23}, 3^3, 6^3\})$	22
6	$\mathcal{O}(0; \{2^{19}, 3^6, 6^3\})$	170
6	$\mathcal{O}(0; \{2^{15}, 3^9, 6^3\})$	1366
6	$\mathcal{O}(0; \{2^{11}, 3^{12}, 6^3\})$	10922
6	$\mathcal{O}(0; \{2^7, 3^{15}, 6^3\})$	87382
6	$\mathcal{O}(0; \{2^3, 3^{18}, 6^3\})$	699050
6	$\mathcal{O}(0; \{2^{24}, 3, 6^4\})$	10
6	$\mathcal{O}(0; \{2^{20}, 3^4, 6^4\})$	86

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Table 3 – continued from previous page

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

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Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^9, 3, 6^{13}\})$	5462
6	$\mathcal{O}(0; \{2^5, 3^4, 6^{13}\})$	43690
6	$\mathcal{O}(0; \{2, 3^7, 6^{13}\})$	349526
6	$\mathcal{O}(0; \{2^6, 3^2, 6^{14}\})$	21846
6	$\mathcal{O}(0; \{2^2, 3^5, 6^{14}\})$	174762
6	$\mathcal{O}(0; \{2^7, 6^{15}\})$	10922
6	$\mathcal{O}(0; \{2^3, 3^3, 6^{15}\})$	87382
6	$\mathcal{O}(0; \{2^4, 3, 6^{16}\})$	43690
6	$\mathcal{O}(0; \{3^4, 6^{16}\})$	349526
6	$\mathcal{O}(0; \{2, 3^2, 6^{17}\})$	174762
6	$\mathcal{O}(0; \{2^2, 6^{18}\})$	87382
7	$\mathcal{O}(7; \emptyset)$	678223072848
7	$\mathcal{O}(4; \{7^7\})$	230534391990
7	$\mathcal{O}(1; \{7^{14}\})$	548549148714
8	$\mathcal{O}(5; \{2^2, 4^2\})$	2145386496
8	$\mathcal{O}(5; \{4, 8^2\})$	8589934592
8	$\mathcal{O}(4; \{2^6, 4^2\})$	33423360
8	$\mathcal{O}(4; \{2^3, 4^4\})$	133693440
8	$\mathcal{O}(4; \{4^6\})$	534773760
8	$\mathcal{O}(4; \{2^4, 4, 8^2\})$	134217728
8	$\mathcal{O}(4; \{2, 4^3, 8^2\})$	536870912
8	$\mathcal{O}(4; \{2^2, 8^4\})$	1073741824
8	$\mathcal{O}(3; \{2^{10}, 4^2\})$	516096
8	$\mathcal{O}(3; \{2^7, 4^4\})$	2064384
8	$\mathcal{O}(3; \{2^4, 4^6\})$	8257536
8	$\mathcal{O}(3; \{2, 4^8\})$	33030144
8	$\mathcal{O}(3; \{2^8, 4, 8^2\})$	2097152
8	$\mathcal{O}(3; \{2^5, 4^3, 8^2\})$	8388608
8	$\mathcal{O}(3; \{2^2, 4^5, 8^2\})$	33554432
8	$\mathcal{O}(3; \{2^6, 8^4\})$	16777216
8	$\mathcal{O}(3; \{2^3, 4^2, 8^4\})$	67108864
8	$\mathcal{O}(3; \{4^4, 8^4\})$	268435456
8	$\mathcal{O}(3; \{2, 4, 8^6\})$	536870912
8	$\mathcal{O}(2; \{2^{14}, 4^2\})$	7680
8	$\mathcal{O}(2; \{2^{11}, 4^4\})$	30720
8	$\mathcal{O}(2; \{2^8, 4^6\})$	122880
8	$\mathcal{O}(2; \{2^5, 4^8\})$	491520
8	$\mathcal{O}(2; \{2^2, 4^{10}\})$	1966080
8	$\mathcal{O}(2; \{2^{12}, 4, 8^2\})$	32768
8	$\mathcal{O}(2; \{2^9, 4^3, 8^2\})$	131072
8	$\mathcal{O}(2; \{2^6, 4^5, 8^2\})$	524288
8	$\mathcal{O}(2; \{2^3, 4^7, 8^2\})$	2097152
8	$\mathcal{O}(2; \{4^9, 8^2\})$	8388608

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Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2^{10}, 8^4\})$	262144
8	$\mathcal{O}(2; \{2^7, 4^2, 8^4\})$	1048576
8	$\mathcal{O}(2; \{2^4, 4^4, 8^4\})$	4194304
8	$\mathcal{O}(2; \{2, 4^6, 8^4\})$	16777216
8	$\mathcal{O}(2; \{2^5, 4, 8^6\})$	8388608
8	$\mathcal{O}(2; \{2^2, 4^3, 8^6\})$	33554432
8	$\mathcal{O}(2; \{2^3, 8^8\})$	67108864
8	$\mathcal{O}(2; \{4^2, 8^8\})$	268435456
8	$\mathcal{O}(1; \{2^{18}, 4^2\})$	96
8	$\mathcal{O}(1; \{2^{15}, 4^4\})$	384
8	$\mathcal{O}(1; \{2^{12}, 4^6\})$	1536
8	$\mathcal{O}(1; \{2^9, 4^8\})$	6144
8	$\mathcal{O}(1; \{2^6, 4^{10}\})$	24576
8	$\mathcal{O}(1; \{2^3, 4^{12}\})$	98304
8	$\mathcal{O}(1; \{4^{14}\})$	393216
8	$\mathcal{O}(1; \{2^{16}, 4, 8^2\})$	512
8	$\mathcal{O}(1; \{2^{13}, 4^3, 8^2\})$	2048
8	$\mathcal{O}(1; \{2^{10}, 4^5, 8^2\})$	8192
8	$\mathcal{O}(1; \{2^7, 4^7, 8^2\})$	32768
8	$\mathcal{O}(1; \{2^4, 4^9, 8^2\})$	131072
8	$\mathcal{O}(1; \{2, 4^{11}, 8^2\})$	524288
8	$\mathcal{O}(1; \{2^{14}, 8^4\})$	4096
8	$\mathcal{O}(1; \{2^{11}, 4^2, 8^4\})$	16384
8	$\mathcal{O}(1; \{2^8, 4^4, 8^4\})$	65536
8	$\mathcal{O}(1; \{2^5, 4^6, 8^4\})$	262144
8	$\mathcal{O}(1; \{2^2, 4^8, 8^4\})$	1048576
8	$\mathcal{O}(1; \{2^9, 4, 8^6\})$	131072
8	$\mathcal{O}(1; \{2^6, 4^3, 8^6\})$	524288
8	$\mathcal{O}(1; \{2^3, 4^5, 8^6\})$	2097152
8	$\mathcal{O}(1; \{4^7, 8^6\})$	8388608
8	$\mathcal{O}(1; \{2^7, 8^8\})$	1048576
8	$\mathcal{O}(1; \{2^4, 4^2, 8^8\})$	4194304
8	$\mathcal{O}(1; \{2, 4^4, 8^8\})$	16777216
8	$\mathcal{O}(1; \{2^2, 4, 8^{10}\})$	33554432
8	$\mathcal{O}(1; \{8^{12}\})$	268435456
8	$\mathcal{O}(0; \{2^{20}, 4, 8^2\})$	8
8	$\mathcal{O}(0; \{2^{17}, 4^3, 8^2\})$	32
8	$\mathcal{O}(0; \{2^{14}, 4^5, 8^2\})$	128
8	$\mathcal{O}(0; \{2^{11}, 4^7, 8^2\})$	512
8	$\mathcal{O}(0; \{2^8, 4^9, 8^2\})$	2048
8	$\mathcal{O}(0; \{2^5, 4^{11}, 8^2\})$	8192
8	$\mathcal{O}(0; \{2^2, 4^{13}, 8^2\})$	32768
8	$\mathcal{O}(0; \{2^{18}, 8^4\})$	64

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Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^{15}, 4^2, 8^4\})$	256
8	$\mathcal{O}(0; \{2^{12}, 4^4, 8^4\})$	1024
8	$\mathcal{O}(0; \{2^9, 4^6, 8^4\})$	4096
8	$\mathcal{O}(0; \{2^6, 4^8, 8^4\})$	16384
8	$\mathcal{O}(0; \{2^3, 4^{10}, 8^4\})$	65536
8	$\mathcal{O}(0; \{4^{12}, 8^4\})$	262144
8	$\mathcal{O}(0; \{2^{13}, 4, 8^6\})$	2048
8	$\mathcal{O}(0; \{2^{10}, 4^3, 8^6\})$	8192
8	$\mathcal{O}(0; \{2^7, 4^5, 8^6\})$	32768
8	$\mathcal{O}(0; \{2^4, 4^7, 8^6\})$	131072
8	$\mathcal{O}(0; \{2, 4^9, 8^6\})$	524288
8	$\mathcal{O}(0; \{2^{11}, 8^8\})$	16384
8	$\mathcal{O}(0; \{2^8, 4^2, 8^8\})$	65536
8	$\mathcal{O}(0; \{2^5, 4^4, 8^8\})$	262144
8	$\mathcal{O}(0; \{2^2, 4^6, 8^8\})$	1048576
8	$\mathcal{O}(0; \{2^6, 4, 8^{10}\})$	524288
8	$\mathcal{O}(0; \{2^3, 4^3, 8^{10}\})$	2097152
8	$\mathcal{O}(0; \{4^5, 8^{10}\})$	8388608
8	$\mathcal{O}(0; \{2^4, 8^{12}\})$	4194304
8	$\mathcal{O}(0; \{2, 4^2, 8^{12}\})$	16777216
9	$\mathcal{O}(5; \{3^2\})$	6973450704
9	$\mathcal{O}(4; \{3^5\})$	430401600
9	$\mathcal{O}(4; \{3, 9^3\})$	1549681956
9	$\mathcal{O}(3; \{3^8\})$	45641232
9	$\mathcal{O}(3; \{3^4, 9^3\})$	153055008
9	$\mathcal{O}(3; \{9^6\})$	2841083586
9	$\mathcal{O}(2; \{3^{11}\})$	4419360
9	$\mathcal{O}(2; \{3^7, 9^3\})$	15116544
9	$\mathcal{O}(2; \{3^3, 9^6\})$	280600848
9	$\mathcal{O}(1; \{3^{14}\})$	393264
9	$\mathcal{O}(1; \{3^{10}, 9^3\})$	1492992
9	$\mathcal{O}(1; \{3^6, 9^6\})$	27713664
9	$\mathcal{O}(1; \{3^2, 9^9\})$	361379880
9	$\mathcal{O}(0; \{3^{13}, 9^3\})$	147456
9	$\mathcal{O}(0; \{3^9, 9^6\})$	2737152
9	$\mathcal{O}(0; \{3^5, 9^9\})$	35691840
9	$\mathcal{O}(0; \{3, 9^{12}\})$	483965604
10	$\mathcal{O}(4; \{5^3\})$	1195312500
10	$\mathcal{O}(3; \{2^4, 5^3\})$	12000000
10	$\mathcal{O}(3; \{2^2, 5^2, 10^2\})$	52000000
10	$\mathcal{O}(3; \{5, 10^4\})$	204000000
10	$\mathcal{O}(2; \{2^8, 5^3\})$	120000
10	$\mathcal{O}(2; \{5^8\})$	122887500

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Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(2; \{2^3, 5^5, 10\})$	8200000
10	$\mathcal{O}(2; \{2^6, 5^2, 10^2\})$	520000
10	$\mathcal{O}(2; \{2, 5^4, 10^3\})$	32760000
10	$\mathcal{O}(2; \{2^4, 5, 10^4\})$	2040000
10	$\mathcal{O}(2; \{2^2, 10^6\})$	8200000
10	$\mathcal{O}(1; \{2^{12}, 5^3\})$	1200
10	$\mathcal{O}(1; \{2^4, 5^8\})$	1310800
10	$\mathcal{O}(1; \{2^7, 5^5, 10\})$	82000
10	$\mathcal{O}(1; \{2^{10}, 5^2, 10^2\})$	5200
10	$\mathcal{O}(1; \{2^2, 5^7, 10^2\})$	5242800
10	$\mathcal{O}(1; \{2^5, 5^4, 10^3\})$	327600
10	$\mathcal{O}(1; \{2^8, 5, 10^4\})$	20400
10	$\mathcal{O}(1; \{5^6, 10^4\})$	20971600
10	$\mathcal{O}(1; \{2^3, 5^3, 10^5\})$	1310800
10	$\mathcal{O}(1; \{2^6, 10^6\})$	82000
10	$\mathcal{O}(1; \{2, 5^2, 10^7\})$	5242800
10	$\mathcal{O}(0; \{2^{16}, 5^3\})$	12
10	$\mathcal{O}(0; \{2^8, 5^8\})$	13108
10	$\mathcal{O}(0; \{2^{11}, 5^5, 10\})$	820
10	$\mathcal{O}(0; \{2^3, 5^{10}, 10\})$	838860
10	$\mathcal{O}(0; \{2^{14}, 5^2, 10^2\})$	52
10	$\mathcal{O}(0; \{2^6, 5^7, 10^2\})$	52428
10	$\mathcal{O}(0; \{2^9, 5^4, 10^3\})$	3276
10	$\mathcal{O}(0; \{2, 5^9, 10^3\})$	3355444
10	$\mathcal{O}(0; \{2^{12}, 5, 10^4\})$	204
10	$\mathcal{O}(0; \{2^4, 5^6, 10^4\})$	209716
10	$\mathcal{O}(0; \{2^7, 5^3, 10^5\})$	13108
10	$\mathcal{O}(0; \{2^{10}, 10^6\})$	820
10	$\mathcal{O}(0; \{2^2, 5^5, 10^6\})$	838860
10	$\mathcal{O}(0; \{2^5, 5^2, 10^7\})$	52428
10	$\mathcal{O}(0; \{5^4, 10^8\})$	3355444
10	$\mathcal{O}(0; \{2^3, 5, 10^9\})$	209716
10	$\mathcal{O}(0; \{2, 10^{11}\})$	838860
11	$\mathcal{O}(3; \{11^4\})$	1612120510
12	$\mathcal{O}(4; \{2^2\})$	428236800
12	$\mathcal{O}(3; \{2^6\})$	2935296
12	$\mathcal{O}(3; \{2^2, 3^3\})$	5878656
12	$\mathcal{O}(3; \{2^3, 4^2\})$	5963776
12	$\mathcal{O}(3; \{4^4\})$	23855104
12	$\mathcal{O}(3; \{2^3, 3, 6\})$	5878656
12	$\mathcal{O}(3; \{3, 4^2, 6\})$	11943936
12	$\mathcal{O}(3; \{3^2, 6^2\})$	17635968
12	$\mathcal{O}(3; \{2, 6^3\})$	5878656

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Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(3; \{3^2, 4, 12\})$	11943936
12	$\mathcal{O}(3; \{2, 4, 6, 12\})$	11943936
12	$\mathcal{O}(3; \{2, 3, 12^2\})$	11943936
12	$\mathcal{O}(2; \{2^{10}\})$	19200
12	$\mathcal{O}(2; \{2^6, 3^3\})$	38880
12	$\mathcal{O}(2; \{2^2, 3^6\})$	427680
12	$\mathcal{O}(2; \{2^7, 4^2\})$	40960
12	$\mathcal{O}(2; \{2^3, 3^3, 4^2\})$	82944
12	$\mathcal{O}(2; \{2^4, 4^4\})$	163840
12	$\mathcal{O}(2; \{3^3, 4^4\})$	331776
12	$\mathcal{O}(2; \{2, 4^6\})$	655360
12	$\mathcal{O}(2; \{2^7, 3, 6\})$	38880
12	$\mathcal{O}(2; \{2^3, 3^4, 6\})$	194400
12	$\mathcal{O}(2; \{2^4, 3, 4^2, 6\})$	82944
12	$\mathcal{O}(2; \{3^4, 4^2, 6\})$	414720
12	$\mathcal{O}(2; \{2, 3, 4^4, 6\})$	331776
12	$\mathcal{O}(2; \{2^4, 3^2, 6^2\})$	116640
12	$\mathcal{O}(2; \{3^5, 6^2\})$	816480
12	$\mathcal{O}(2; \{2, 3^2, 4^2, 6^2\})$	248832
12	$\mathcal{O}(2; \{2^5, 6^3\})$	38880
12	$\mathcal{O}(2; \{2, 3^3, 6^3\})$	427680
12	$\mathcal{O}(2; \{2^2, 4^2, 6^3\})$	82944
12	$\mathcal{O}(2; \{2^2, 3, 6^4\})$	194400
12	$\mathcal{O}(2; \{6^6\})$	427680
12	$\mathcal{O}(2; \{2^4, 3^2, 4, 12\})$	82944
12	$\mathcal{O}(2; \{3^5, 4, 12\})$	912384
12	$\mathcal{O}(2; \{2, 3^2, 4^3, 12\})$	331776
12	$\mathcal{O}(2; \{2^5, 4, 6, 12\})$	82944
12	$\mathcal{O}(2; \{2, 3^3, 4, 6, 12\})$	414720
12	$\mathcal{O}(2; \{2^2, 4^3, 6, 12\})$	331776
12	$\mathcal{O}(2; \{2^2, 3, 4, 6^2, 12\})$	248832
12	$\mathcal{O}(2; \{4, 6^4, 12\})$	414720
12	$\mathcal{O}(2; \{2^5, 3, 12^2\})$	82944
12	$\mathcal{O}(2; \{2, 3^4, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^2, 3, 4^2, 12^2\})$	331776
12	$\mathcal{O}(2; \{2^2, 3^2, 6, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^3, 6^2, 12^2\})$	248832
12	$\mathcal{O}(2; \{4^2, 6^2, 12^2\})$	995328
12	$\mathcal{O}(2; \{3, 6^3, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^3, 4, 12^3\})$	331776
12	$\mathcal{O}(2; \{4^3, 12^3\})$	1327104
12	$\mathcal{O}(2; \{3, 4, 6, 12^3\})$	1658880
12	$\mathcal{O}(2; \{3^2, 12^4\})$	3649536

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Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2, 6, 12^4\})$	1658880
12	$\mathcal{O}(1; \{2^{14}\})$	96
12	$\mathcal{O}(1; \{2^{10}, 3^3\})$	216
12	$\mathcal{O}(1; \{2^6, 3^6\})$	2376
12	$\mathcal{O}(1; \{2^2, 3^9\})$	18360
12	$\mathcal{O}(1; \{2^{11}, 4^2\})$	256
12	$\mathcal{O}(1; \{2^7, 3^3, 4^2\})$	576
12	$\mathcal{O}(1; \{2^3, 3^6, 4^2\})$	6336
12	$\mathcal{O}(1; \{2^8, 4^4\})$	1024
12	$\mathcal{O}(1; \{2^4, 3^3, 4^4\})$	2304
12	$\mathcal{O}(1; \{3^6, 4^4\})$	25344
12	$\mathcal{O}(1; \{2^5, 4^6\})$	4096
12	$\mathcal{O}(1; \{2, 3^3, 4^6\})$	9216
12	$\mathcal{O}(1; \{2^2, 4^8\})$	16384
12	$\mathcal{O}(1; \{2^{11}, 3, 6\})$	216
12	$\mathcal{O}(1; \{2^7, 3^4, 6\})$	1080
12	$\mathcal{O}(1; \{2^3, 3^7, 6\})$	9288
12	$\mathcal{O}(1; \{2^8, 3, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{2^4, 3^4, 4^2, 6\})$	2880
12	$\mathcal{O}(1; \{3^7, 4^2, 6\})$	24768
12	$\mathcal{O}(1; \{2^5, 3, 4^4, 6\})$	2304
12	$\mathcal{O}(1; \{2, 3^4, 4^4, 6\})$	11520
12	$\mathcal{O}(1; \{2^2, 3, 4^6, 6\})$	9216
12	$\mathcal{O}(1; \{2^8, 3^2, 6^2\})$	648
12	$\mathcal{O}(1; \{2^4, 3^5, 6^2\})$	4536
12	$\mathcal{O}(1; \{3^8, 6^2\})$	36936
12	$\mathcal{O}(1; \{2^5, 3^2, 4^2, 6^2\})$	1728
12	$\mathcal{O}(1; \{2, 3^5, 4^2, 6^2\})$	12096
12	$\mathcal{O}(1; \{2^2, 3^2, 4^4, 6^2\})$	6912
12	$\mathcal{O}(1; \{2^9, 6^3\})$	216
12	$\mathcal{O}(1; \{2^5, 3^3, 6^3\})$	2376
12	$\mathcal{O}(1; \{2, 3^6, 6^3\})$	18360
12	$\mathcal{O}(1; \{2^6, 4^2, 6^3\})$	576
12	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6^3\})$	6336
12	$\mathcal{O}(1; \{2^3, 4^4, 6^3\})$	2304
12	$\mathcal{O}(1; \{4^6, 6^3\})$	9216
12	$\mathcal{O}(1; \{2^6, 3, 6^4\})$	1080
12	$\mathcal{O}(1; \{2^2, 3^4, 6^4\})$	9288
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^4\})$	2880
12	$\mathcal{O}(1; \{3, 4^4, 6^4\})$	11520
12	$\mathcal{O}(1; \{2^3, 3^2, 6^5\})$	4536
12	$\mathcal{O}(1; \{3^2, 4^2, 6^5\})$	12096
12	$\mathcal{O}(1; \{2^4, 6^6\})$	2376

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Table 3 – continued from previous page

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

Continued on next page

Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{3^4, 6^3, 12^2\})$	48960
12	$\mathcal{O}(1; \{2, 3, 4^2, 6^3, 12^2\})$	25344
12	$\mathcal{O}(1; \{2, 3^2, 6^4, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^2, 6^5, 12^2\})$	12096
12	$\mathcal{O}(1; \{2^7, 4, 12^3\})$	2304
12	$\mathcal{O}(1; \{2^3, 3^3, 4, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^4, 4^3, 12^3\})$	9216
12	$\mathcal{O}(1; \{3^3, 4^3, 12^3\})$	101376
12	$\mathcal{O}(1; \{2, 4^5, 12^3\})$	36864
12	$\mathcal{O}(1; \{2^4, 3, 4, 6, 12^3\})$	11520
12	$\mathcal{O}(1; \{3^4, 4, 6, 12^3\})$	99072
12	$\mathcal{O}(1; \{2, 3, 4^3, 6, 12^3\})$	46080
12	$\mathcal{O}(1; \{2, 3^2, 4, 6^2, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^2, 4, 6^3, 12^3\})$	25344
12	$\mathcal{O}(1; \{2^4, 3^2, 12^4\})$	25344
12	$\mathcal{O}(1; \{3^5, 12^4\})$	195840
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 12^4\})$	101376
12	$\mathcal{O}(1; \{2^5, 6, 12^4\})$	11520
12	$\mathcal{O}(1; \{2, 3^3, 6, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^2, 4^2, 6, 12^4\})$	46080
12	$\mathcal{O}(1; \{2^2, 3, 6^2, 12^4\})$	48384
12	$\mathcal{O}(1; \{6^4, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^2, 3, 4, 12^5\})$	101376
12	$\mathcal{O}(1; \{4, 6^2, 12^5\})$	193536
12	$\mathcal{O}(1; \{2^3, 12^6\})$	101376
12	$\mathcal{O}(1; \{4^2, 12^6\})$	405504
12	$\mathcal{O}(1; \{3, 6, 12^6\})$	396288
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^2\})$	4
12	$\mathcal{O}(0; \{2^7, 3^6, 4^2\})$	44
12	$\mathcal{O}(0; \{2^3, 3^9, 4^2\})$	340
12	$\mathcal{O}(0; \{2^8, 3^3, 4^4\})$	16
12	$\mathcal{O}(0; \{2^4, 3^6, 4^4\})$	176
12	$\mathcal{O}(0; \{3^9, 4^4\})$	1360
12	$\mathcal{O}(0; \{2^5, 3^3, 4^6\})$	64
12	$\mathcal{O}(0; \{2, 3^6, 4^6\})$	704
12	$\mathcal{O}(0; \{2^2, 3^3, 4^8\})$	256
12	$\mathcal{O}(0; \{2^{12}, 3, 4^2, 6\})$	4
12	$\mathcal{O}(0; \{2^8, 3^4, 4^2, 6\})$	20
12	$\mathcal{O}(0; \{2^4, 3^7, 4^2, 6\})$	172
12	$\mathcal{O}(0; \{3^{10}, 4^2, 6\})$	1364
12	$\mathcal{O}(0; \{2^9, 3, 4^4, 6\})$	16
12	$\mathcal{O}(0; \{2^5, 3^4, 4^4, 6\})$	80
12	$\mathcal{O}(0; \{2, 3^7, 4^4, 6\})$	688

Continued on next page

Table 3 – continued from previous page

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

Continued on next page

Table 3 – continued from previous page

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

Continued on next page

Table 3 – continued from previous page

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

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Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^6, 4, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^8, 4^3, 12^3\})$	64
12	$\mathcal{O}(0; \{2^4, 3^3, 4^3, 12^3\})$	704
12	$\mathcal{O}(0; \{3^6, 4^3, 12^3\})$	5440
12	$\mathcal{O}(0; \{2^5, 4^5, 12^3\})$	256
12	$\mathcal{O}(0; \{2, 3^3, 4^5, 12^3\})$	2816
12	$\mathcal{O}(0; \{2^2, 4^7, 12^3\})$	1024
12	$\mathcal{O}(0; \{2^8, 3, 4, 6, 12^3\})$	80
12	$\mathcal{O}(0; \{2^4, 3^4, 4, 6, 12^3\})$	688
12	$\mathcal{O}(0; \{3^7, 4, 6, 12^3\})$	5456
12	$\mathcal{O}(0; \{2^5, 3, 4^3, 6, 12^3\})$	320
12	$\mathcal{O}(0; \{2, 3^4, 4^3, 6, 12^3\})$	2752
12	$\mathcal{O}(0; \{2^2, 3, 4^5, 6, 12^3\})$	1280
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 6^2, 12^3\})$	336
12	$\mathcal{O}(0; \{2, 3^5, 4, 6^2, 12^3\})$	2736
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6^2, 12^3\})$	1344
12	$\mathcal{O}(0; \{2^6, 4, 6^3, 12^3\})$	176
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^3, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^3, 4^3, 6^3, 12^3\})$	704
12	$\mathcal{O}(0; \{4^5, 6^3, 12^3\})$	2816
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^4, 12^3\})$	688
12	$\mathcal{O}(0; \{3, 4^3, 6^4, 12^3\})$	2752
12	$\mathcal{O}(0; \{3^2, 4, 6^5, 12^3\})$	2736
12	$\mathcal{O}(0; \{2, 4, 6^6, 12^3\})$	1360
12	$\mathcal{O}(0; \{2^8, 3^2, 12^4\})$	176
12	$\mathcal{O}(0; \{2^4, 3^5, 12^4\})$	1360
12	$\mathcal{O}(0; \{3^8, 12^4\})$	10928
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 12^4\})$	704
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 12^4\})$	5440
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 12^4\})$	2816
12	$\mathcal{O}(0; \{2^9, 6, 12^4\})$	80
12	$\mathcal{O}(0; \{2^5, 3^3, 6, 12^4\})$	688
12	$\mathcal{O}(0; \{2, 3^6, 6, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^6, 4^2, 6, 12^4\})$	320
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^3, 4^4, 6, 12^4\})$	1280
12	$\mathcal{O}(0; \{4^6, 6, 12^4\})$	5120
12	$\mathcal{O}(0; \{2^6, 3, 6^2, 12^4\})$	336
12	$\mathcal{O}(0; \{2^2, 3^4, 6^2, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^2, 12^4\})$	1344
12	$\mathcal{O}(0; \{3, 4^4, 6^2, 12^4\})$	5376
12	$\mathcal{O}(0; \{2^3, 3^2, 6^3, 12^4\})$	1360
12	$\mathcal{O}(0; \{3^2, 4^2, 6^3, 12^4\})$	5440

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Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^4, 6^4, 12^4\})$	688
12	$\mathcal{O}(0; \{3^3, 6^4, 12^4\})$	5456
12	$\mathcal{O}(0; \{2, 4^2, 6^4, 12^4\})$	2752
12	$\mathcal{O}(0; \{2, 3, 6^5, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^6, 3, 4, 12^5\})$	704
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 12^5\})$	2816
12	$\mathcal{O}(0; \{3, 4^5, 12^5\})$	11264
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6, 12^5\})$	2752
12	$\mathcal{O}(0; \{3^2, 4^3, 6, 12^5\})$	11008
12	$\mathcal{O}(0; \{2^4, 4, 6^2, 12^5\})$	1344
12	$\mathcal{O}(0; \{3^3, 4, 6^2, 12^5\})$	10944
12	$\mathcal{O}(0; \{2, 4^3, 6^2, 12^5\})$	5376
12	$\mathcal{O}(0; \{2, 3, 4, 6^3, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^7, 12^6\})$	704
12	$\mathcal{O}(0; \{2^3, 3^3, 12^6\})$	5440
12	$\mathcal{O}(0; \{2^4, 4^2, 12^6\})$	2816
12	$\mathcal{O}(0; \{3^3, 4^2, 12^6\})$	21760
12	$\mathcal{O}(0; \{2, 4^4, 12^6\})$	11264
12	$\mathcal{O}(0; \{2^4, 3, 6, 12^6\})$	2752
12	$\mathcal{O}(0; \{3^4, 6, 12^6\})$	21824
12	$\mathcal{O}(0; \{2, 3, 4^2, 6, 12^6\})$	11008
12	$\mathcal{O}(0; \{2, 3^2, 6^2, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^2, 6^3, 12^6\})$	5440
12	$\mathcal{O}(0; \{2, 3^2, 4, 12^7\})$	21760
12	$\mathcal{O}(0; \{2^2, 4, 6, 12^7\})$	11008
12	$\mathcal{O}(0; \{2^2, 3, 12^8\})$	21760
12	$\mathcal{O}(0; \{6^2, 12^8\})$	43776
12	$\mathcal{O}(0; \{4, 12^9\})$	87040
13	$\mathcal{O}(1; \{13^7\})$	465813348
14	$\mathcal{O}(4; \emptyset)$	1470024000
14	$\mathcal{O}(3; \{2^4\})$	7529472
14	$\mathcal{O}(2; \{2^8\})$	38400
14	$\mathcal{O}(2; \{2, 7^3, 14\})$	7145376
14	$\mathcal{O}(1; \{2^{12}\})$	192
14	$\mathcal{O}(1; \{7^7\})$	5878530
14	$\mathcal{O}(1; \{2^5, 7^3, 14\})$	36456
14	$\mathcal{O}(1; \{2^3, 7^2, 14^3\})$	217560
14	$\mathcal{O}(1; \{2, 7, 14^5\})$	1306536
14	$\mathcal{O}(0; \{2^4, 7^7\})$	39990
14	$\mathcal{O}(0; \{2^9, 7^3, 14\})$	186
14	$\mathcal{O}(0; \{2^2, 7^6, 14^2\})$	239946
14	$\mathcal{O}(0; \{2^7, 7^2, 14^3\})$	1110

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Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(0; \{7^5, 14^4\})$	1439670
14	$\mathcal{O}(0; \{2^5, 7, 14^5\})$	6666
14	$\mathcal{O}(0; \{2^3, 14^7\})$	39990
15	$\mathcal{O}(3; \{5^2\})$	4550000
15	$\mathcal{O}(2; \{3^3, 5^2\})$	405000
15	$\mathcal{O}(2; \{5, 15^3\})$	5265000
15	$\mathcal{O}(1; \{3^6, 5^2\})$	19800
15	$\mathcal{O}(1; \{5^7\})$	655200
15	$\mathcal{O}(1; \{3, 5^5, 15\})$	369000
15	$\mathcal{O}(1; \{3^2, 5^3, 15^2\})$	275400
15	$\mathcal{O}(1; \{3^3, 5, 15^3\})$	257400
15	$\mathcal{O}(1; \{15^6\})$	4059000
15	$\mathcal{O}(0; \{3^9, 5^2\})$	680
15	$\mathcal{O}(0; \{3^3, 5^7\})$	6552
15	$\mathcal{O}(0; \{3^4, 5^5, 15\})$	8200
15	$\mathcal{O}(0; \{3^5, 5^3, 15^2\})$	8568
15	$\mathcal{O}(0; \{3^6, 5, 15^3\})$	8840
15	$\mathcal{O}(0; \{5^6, 15^3\})$	104856
15	$\mathcal{O}(0; \{3, 5^4, 15^4\})$	131080
15	$\mathcal{O}(0; \{3^2, 5^2, 15^5\})$	137592
15	$\mathcal{O}(0; \{3^3, 15^6\})$	139400
16	$\mathcal{O}(2; \{2^3, 8^2\})$	245760
16	$\mathcal{O}(2; \{4^2, 8^2\})$	983040
16	$\mathcal{O}(2; \{2, 8, 16^2\})$	2097152
16	$\mathcal{O}(1; \{2^7, 8^2\})$	768
16	$\mathcal{O}(1; \{2^4, 4^2, 8^2\})$	3072
16	$\mathcal{O}(1; \{2, 4^4, 8^2\})$	12288
16	$\mathcal{O}(1; \{2^2, 4, 8^4\})$	24576
16	$\mathcal{O}(1; \{8^6\})$	196608
16	$\mathcal{O}(1; \{2^5, 8, 16^2\})$	8192
16	$\mathcal{O}(1; \{2^2, 4^2, 8, 16^2\})$	32768
16	$\mathcal{O}(1; \{4, 8^3, 16^2\})$	262144
16	$\mathcal{O}(1; \{2^3, 16^4\})$	131072
16	$\mathcal{O}(1; \{4^2, 16^4\})$	524288
16	$\mathcal{O}(0; \{2^9, 8, 16^2\})$	32
16	$\mathcal{O}(0; \{2^6, 4^2, 8, 16^2\})$	128
16	$\mathcal{O}(0; \{2^3, 4^4, 8, 16^2\})$	512
16	$\mathcal{O}(0; \{4^6, 8, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^4, 4, 8^3, 16^2\})$	1024
16	$\mathcal{O}(0; \{2, 4^3, 8^3, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^2, 8^5, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^7, 16^4\})$	512
16	$\mathcal{O}(0; \{2^4, 4^2, 16^4\})$	2048

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Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(0; \{2, 4^4, 16^4\})$	8192
16	$\mathcal{O}(0; \{2^2, 4, 8^2, 16^4\})$	16384
16	$\mathcal{O}(0; \{8^4, 16^4\})$	131072
16	$\mathcal{O}(0; \{4, 8, 16^6\})$	262144
18	$\mathcal{O}(2; \{3^4\})$	583200
18	$\mathcal{O}(2; \{2, 3^2, 6\})$	207360
18	$\mathcal{O}(2; \{2^2, 6^2\})$	207360
18	$\mathcal{O}(2; \{9^3\})$	1771470
18	$\mathcal{O}(2; \{6, 9, 18\})$	1259712
18	$\mathcal{O}(1; \{2^4, 3^4\})$	1728
18	$\mathcal{O}(1; \{3^7\})$	9072
18	$\mathcal{O}(1; \{2^5, 3^2, 6\})$	576
18	$\mathcal{O}(1; \{2, 3^5, 6\})$	6336
18	$\mathcal{O}(1; \{2^6, 6^2\})$	576
18	$\mathcal{O}(1; \{2^2, 3^3, 6^2\})$	2880
18	$\mathcal{O}(1; \{2^3, 3, 6^3\})$	1728
18	$\mathcal{O}(1; \{3^2, 6^4\})$	6336
18	$\mathcal{O}(1; \{2, 6^5\})$	2880
18	$\mathcal{O}(1; \{2^4, 9^3\})$	5832
18	$\mathcal{O}(1; \{3^3, 9^3\})$	34992
18	$\mathcal{O}(1; \{2, 3, 6, 9^3\})$	23328
18	$\mathcal{O}(1; \{2^3, 3^2, 9, 18\})$	7776
18	$\mathcal{O}(1; \{2^4, 6, 9, 18\})$	3888
18	$\mathcal{O}(1; \{3^3, 6, 9, 18\})$	31104
18	$\mathcal{O}(1; \{2, 3, 6^2, 9, 18\})$	15552
18	$\mathcal{O}(1; \{2^2, 9^2, 18^2\})$	52488
18	$\mathcal{O}(1; \{2, 3^2, 18^3\})$	23328
18	$\mathcal{O}(1; \{2^2, 6, 18^3\})$	11664
18	$\mathcal{O}(1; \{9, 18^4\})$	262440
18	$\mathcal{O}(0; \{2^8, 9^3\})$	18
18	$\mathcal{O}(0; \{2^4, 3^3, 9^3\})$	144
18	$\mathcal{O}(0; \{2^5, 3, 6, 9^3\})$	72
18	$\mathcal{O}(0; \{2, 3^4, 6, 9^3\})$	576
18	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 9^3\})$	288
18	$\mathcal{O}(0; \{2^3, 6^3, 9^3\})$	144
18	$\mathcal{O}(0; \{3, 6^4, 9^3\})$	576
18	$\mathcal{O}(0; \{2, 6, 9^6\})$	10692
18	$\mathcal{O}(0; \{2^7, 3^2, 9, 18\})$	24
18	$\mathcal{O}(0; \{2^3, 3^5, 9, 18\})$	192
18	$\mathcal{O}(0; \{2^8, 6, 9, 18\})$	12
18	$\mathcal{O}(0; \{2^4, 3^3, 6, 9, 18\})$	96
18	$\mathcal{O}(0; \{3^6, 6, 9, 18\})$	768
18	$\mathcal{O}(0; \{2^5, 3, 6^2, 9, 18\})$	48

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Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2, 3^4, 6^2, 9, 18\})$	384
18	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 9, 18\})$	192
18	$\mathcal{O}(0; \{2^3, 6^4, 9, 18\})$	96
18	$\mathcal{O}(0; \{3, 6^5, 9, 18\})$	384
18	$\mathcal{O}(0; \{2^3, 3, 9^4, 18\})$	1620
18	$\mathcal{O}(0; \{3^2, 6, 9^4, 18\})$	6480
18	$\mathcal{O}(0; \{2, 6^2, 9^4, 18\})$	3240
18	$\mathcal{O}(0; \{2^6, 9^2, 18^2\})$	162
18	$\mathcal{O}(0; \{2^2, 3^3, 9^2, 18^2\})$	1296
18	$\mathcal{O}(0; \{2^3, 3, 6, 9^2, 18^2\})$	648
18	$\mathcal{O}(0; \{3^2, 6^2, 9^2, 18^2\})$	2592
18	$\mathcal{O}(0; \{2, 6^3, 9^2, 18^2\})$	1296
18	$\mathcal{O}(0; \{2^5, 3^2, 18^3\})$	72
18	$\mathcal{O}(0; \{2, 3^5, 18^3\})$	576
18	$\mathcal{O}(0; \{2^6, 6, 18^3\})$	36
18	$\mathcal{O}(0; \{2^2, 3^3, 6, 18^3\})$	288
18	$\mathcal{O}(0; \{2^3, 3, 6^2, 18^3\})$	144
18	$\mathcal{O}(0; \{3^2, 6^3, 18^3\})$	576
18	$\mathcal{O}(0; \{2, 6^4, 18^3\})$	288
18	$\mathcal{O}(0; \{2, 3, 9^3, 18^3\})$	10692
18	$\mathcal{O}(0; \{2^4, 9, 18^4\})$	810
18	$\mathcal{O}(0; \{3^3, 9, 18^4\})$	6480
18	$\mathcal{O}(0; \{2, 3, 6, 9, 18^4\})$	3240
18	$\mathcal{O}(0; \{2^2, 18^6\})$	5346
20	$\mathcal{O}(2; \{2, 5, 10\})$	600000
20	$\mathcal{O}(1; \{2^2, 5^4\})$	15600
20	$\mathcal{O}(1; \{2^5, 5, 10\})$	1200
20	$\mathcal{O}(1; \{2^2, 4^2, 5, 10\})$	3200
20	$\mathcal{O}(1; \{5^3, 10^2\})$	61200
20	$\mathcal{O}(1; \{2^3, 10^3\})$	3600
20	$\mathcal{O}(1; \{4^2, 10^3\})$	9600
20	$\mathcal{O}(1; \{4, 5^2, 10, 20\})$	41600
20	$\mathcal{O}(1; \{2^3, 5, 20^2\})$	9600
20	$\mathcal{O}(1; \{4^2, 5, 20^2\})$	38400
20	$\mathcal{O}(1; \{2, 10^2, 20^2\})$	41600
20	$\mathcal{O}(0; \{2^3, 4^2, 5^4\})$	104
20	$\mathcal{O}(0; \{4^4, 5^4\})$	416
20	$\mathcal{O}(0; \{2^6, 4^2, 5, 10\})$	8
20	$\mathcal{O}(0; \{2^3, 4^4, 5, 10\})$	32
20	$\mathcal{O}(0; \{4^6, 5, 10\})$	128
20	$\mathcal{O}(0; \{2, 4^2, 5^3, 10^2\})$	408
20	$\mathcal{O}(0; \{2^4, 4^2, 10^3\})$	24
20	$\mathcal{O}(0; \{2, 4^4, 10^3\})$	96

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Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2, 4, 5^5, 20\})$	1640
20	$\mathcal{O}(0; \{2^4, 4, 5^2, 10, 20\})$	104
20	$\mathcal{O}(0; \{2, 4^3, 5^2, 10, 20\})$	416
20	$\mathcal{O}(0; \{2^2, 4, 5, 10^3, 20\})$	408
20	$\mathcal{O}(0; \{4, 10^5, 20\})$	1640
20	$\mathcal{O}(0; \{2^7, 5, 20^2\})$	24
20	$\mathcal{O}(0; \{2^4, 4^2, 5, 20^2\})$	96
20	$\mathcal{O}(0; \{2, 4^4, 5, 20^2\})$	384
20	$\mathcal{O}(0; \{2^2, 5^3, 10, 20^2\})$	1640
20	$\mathcal{O}(0; \{2^5, 10^2, 20^2\})$	104
20	$\mathcal{O}(0; \{2^2, 4^2, 10^2, 20^2\})$	416
20	$\mathcal{O}(0; \{5^2, 10^3, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^2, 4, 5^2, 20^3\})$	1632
20	$\mathcal{O}(0; \{4, 5, 10^2, 20^3\})$	6560
20	$\mathcal{O}(0; \{5^3, 20^4\})$	26208
20	$\mathcal{O}(0; \{2^3, 10, 20^4\})$	1632
20	$\mathcal{O}(0; \{4^2, 10, 20^4\})$	6528
20	$\mathcal{O}(0; \{2, 20^6\})$	26240
21	$\mathcal{O}(3; \emptyset)$	85647744
21	$\mathcal{O}(2; \{3^3\})$	388800
21	$\mathcal{O}(1; \{3^6\})$	9504
21	$\mathcal{O}(1; \{3^2, 7^2, 21\})$	26460
21	$\mathcal{O}(0; \{3^5, 7^2, 21\})$	660
21	$\mathcal{O}(0; \{3, 7^4, 21^2\})$	13332
21	$\mathcal{O}(0; \{3^2, 7, 21^4\})$	24420
22	$\mathcal{O}(2; \{11^2\})$	2196150
22	$\mathcal{O}(1; \{2^4, 11^2\})$	4840
22	$\mathcal{O}(1; \{2^2, 11, 22^2\})$	43560
22	$\mathcal{O}(1; \{22^4\})$	440440
22	$\mathcal{O}(0; \{2^8, 11^2\})$	10
22	$\mathcal{O}(0; \{2^6, 11, 22^2\})$	90
22	$\mathcal{O}(0; \{2^4, 22^4\})$	910
24	$\mathcal{O}(2; \{4^2\})$	614400
24	$\mathcal{O}(1; \{2^4, 4^2\})$	768
24	$\mathcal{O}(1; \{3^3, 4^2\})$	1728
24	$\mathcal{O}(1; \{2, 4^4\})$	3072
24	$\mathcal{O}(1; \{2, 3, 4^2, 6\})$	1728
24	$\mathcal{O}(1; \{2^2, 4, 8^2\})$	4096
24	$\mathcal{O}(1; \{8^4\})$	32768
24	$\mathcal{O}(1; \{2, 3^2, 4, 12\})$	1728
24	$\mathcal{O}(1; \{2^2, 4, 6, 12\})$	1728
24	$\mathcal{O}(1; \{6, 8^2, 12\})$	9216
24	$\mathcal{O}(1; \{2^2, 3, 12^2\})$	1728

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Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{6^2, 12^2\})$	5184
24	$\mathcal{O}(1; \{4, 12^3\})$	6912
24	$\mathcal{O}(1; \{2^2, 3, 8, 24\})$	4608
24	$\mathcal{O}(1; \{6^2, 8, 24\})$	4608
24	$\mathcal{O}(1; \{4, 8, 12, 24\})$	18432
24	$\mathcal{O}(1; \{4, 6, 24^2\})$	9216
24	$\mathcal{O}(1; \{3, 12, 24^2\})$	27648
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 8^2\})$	16
24	$\mathcal{O}(0; \{2^3, 3, 4, 6, 8^2\})$	16
24	$\mathcal{O}(0; \{3, 4^3, 6, 8^2\})$	64
24	$\mathcal{O}(0; \{3^2, 4, 6^2, 8^2\})$	48
24	$\mathcal{O}(0; \{2, 4, 6^3, 8^2\})$	16
24	$\mathcal{O}(0; \{3^3, 8^4\})$	128
24	$\mathcal{O}(0; \{2, 3, 6, 8^4\})$	128
24	$\mathcal{O}(0; \{2^3, 3^2, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{3^2, 4^2, 8^2, 12\})$	64
24	$\mathcal{O}(0; \{2^4, 6, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{3^3, 6, 8^2, 12\})$	80
24	$\mathcal{O}(0; \{2, 4^2, 6, 8^2, 12\})$	64
24	$\mathcal{O}(0; \{2, 3, 6^2, 8^2, 12\})$	48
24	$\mathcal{O}(0; \{2, 3, 4, 8^2, 12^2\})$	64
24	$\mathcal{O}(0; \{2^2, 8^2, 12^3\})$	64
24	$\mathcal{O}(0; \{2^6, 3, 8, 24\})$	8
24	$\mathcal{O}(0; \{2^2, 3^4, 8, 24\})$	40
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 8, 24\})$	32
24	$\mathcal{O}(0; \{3, 4^4, 8, 24\})$	128
24	$\mathcal{O}(0; \{2^3, 3^2, 6, 8, 24\})$	24
24	$\mathcal{O}(0; \{3^2, 4^2, 6, 8, 24\})$	96
24	$\mathcal{O}(0; \{2^4, 6^2, 8, 24\})$	8
24	$\mathcal{O}(0; \{3^3, 6^2, 8, 24\})$	88
24	$\mathcal{O}(0; \{2, 4^2, 6^2, 8, 24\})$	32
24	$\mathcal{O}(0; \{2, 3, 6^3, 8, 24\})$	40
24	$\mathcal{O}(0; \{2, 3, 4, 8^3, 24\})$	256
24	$\mathcal{O}(0; \{2^4, 4, 8, 12, 24\})$	32
24	$\mathcal{O}(0; \{3^3, 4, 8, 12, 24\})$	160
24	$\mathcal{O}(0; \{2, 4^3, 8, 12, 24\})$	128
24	$\mathcal{O}(0; \{2, 3, 4, 6, 8, 12, 24\})$	96
24	$\mathcal{O}(0; \{2^2, 8^3, 12, 24\})$	256
24	$\mathcal{O}(0; \{2, 3^2, 8, 12^2, 24\})$	160
24	$\mathcal{O}(0; \{2^2, 6, 8, 12^2, 24\})$	96
24	$\mathcal{O}(0; \{8, 12^4, 24\})$	640
24	$\mathcal{O}(0; \{2^3, 3^2, 4, 24^2\})$	48
24	$\mathcal{O}(0; \{3^2, 4^3, 24^2\})$	192

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Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^4, 4, 6, 24^2\})$	16
24	$\mathcal{O}(0; \{3^3, 4, 6, 24^2\})$	176
24	$\mathcal{O}(0; \{2, 4^3, 6, 24^2\})$	64
24	$\mathcal{O}(0; \{2, 3, 4, 6^2, 24^2\})$	80
24	$\mathcal{O}(0; \{2, 3^2, 8^2, 24^2\})$	384
24	$\mathcal{O}(0; \{2^2, 6, 8^2, 24^2\})$	128
24	$\mathcal{O}(0; \{2^4, 3, 12, 24^2\})$	48
24	$\mathcal{O}(0; \{3^4, 12, 24^2\})$	336
24	$\mathcal{O}(0; \{2, 3, 4^2, 12, 24^2\})$	192
24	$\mathcal{O}(0; \{2, 3^2, 6, 12, 24^2\})$	176
24	$\mathcal{O}(0; \{2^2, 6^2, 12, 24^2\})$	80
24	$\mathcal{O}(0; \{2^2, 4, 12^2, 24^2\})$	192
24	$\mathcal{O}(0; \{8^2, 12^2, 24^2\})$	1536
24	$\mathcal{O}(0; \{6, 12^3, 24^2\})$	704
24	$\mathcal{O}(0; \{2^2, 4, 8, 24^3\})$	256
24	$\mathcal{O}(0; \{8^3, 24^3\})$	2048
24	$\mathcal{O}(0; \{6, 8, 12, 24^3\})$	1280
24	$\mathcal{O}(0; \{2^2, 3, 24^4\})$	640
24	$\mathcal{O}(0; \{6^2, 24^4\})$	1408
24	$\mathcal{O}(0; \{4, 12, 24^4\})$	2560
26	$\mathcal{O}(0; \{2^3, 13^3, 26\})$	1596
26	$\mathcal{O}(0; \{2, 13^2, 26^3\})$	19140
27	$\mathcal{O}(1; \{3^2, 9^2\})$	15552
27	$\mathcal{O}(0; \{3^2, 9, 27^3\})$	3888
28	$\mathcal{O}(2; \{2^2\})$	576000
28	$\mathcal{O}(1; \{2^6\})$	576
28	$\mathcal{O}(1; \{2^3, 4^2\})$	1536
28	$\mathcal{O}(1; \{4^4\})$	6144
28	$\mathcal{O}(0; \{4^2, 7^3, 14\})$	372
28	$\mathcal{O}(0; \{2^3, 4, 7, 14, 28\})$	60
28	$\mathcal{O}(0; \{4^3, 7, 14, 28\})$	240
28	$\mathcal{O}(0; \{2, 4, 14^3, 28\})$	372
28	$\mathcal{O}(0; \{2, 7^3, 28^2\})$	2220
28	$\mathcal{O}(0; \{2, 4, 7, 28^3\})$	1488
29	$\mathcal{O}(1; \{29^3\})$	635796
30	$\mathcal{O}(1; \{2^2, 10^2\})$	3200
30	$\mathcal{O}(1; \{15^3\})$	16200
30	$\mathcal{O}(1; \{10, 15, 30\})$	21600
30	$\mathcal{O}(0; \{3, 5^3, 6, 10\})$	104
30	$\mathcal{O}(0; \{2^2, 3^3, 10^2\})$	8
30	$\mathcal{O}(0; \{2^3, 3, 6, 10^2\})$	8
30	$\mathcal{O}(0; \{3^2, 6^2, 10^2\})$	24
30	$\mathcal{O}(0; \{2, 6^3, 10^2\})$	8

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Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^3, 3, 5, 10, 15\})$	24
30	$\mathcal{O}(0; \{3^2, 5, 6, 10, 15\})$	72
30	$\mathcal{O}(0; \{2, 5, 6^2, 10, 15\})$	24
30	$\mathcal{O}(0; \{2, 3, 10^3, 15\})$	104
30	$\mathcal{O}(0; \{2, 5^2, 6, 15^2\})$	104
30	$\mathcal{O}(0; \{2^4, 15^3\})$	24
30	$\mathcal{O}(0; \{2, 3, 6, 15^3\})$	120
30	$\mathcal{O}(0; \{3^2, 5^2, 10, 30\})$	104
30	$\mathcal{O}(0; \{2, 5^2, 6, 10, 30\})$	104
30	$\mathcal{O}(0; \{2, 5^3, 15, 30\})$	408
30	$\mathcal{O}(0; \{2^4, 10, 15, 30\})$	24
30	$\mathcal{O}(0; \{3^3, 10, 15, 30\})$	120
30	$\mathcal{O}(0; \{2, 3, 6, 10, 15, 30\})$	72
30	$\mathcal{O}(0; \{2, 3, 5, 15^2, 30\})$	312
30	$\mathcal{O}(0; \{2, 3, 5, 10, 30^2\})$	104
30	$\mathcal{O}(0; \{2^2, 15^2, 30^2\})$	312
30	$\mathcal{O}(0; \{2^2, 10, 30^3\})$	104
30	$\mathcal{O}(0; \{15, 30^4\})$	2040
32	$\mathcal{O}(1; \{4, 16^2\})$	12288
32	$\mathcal{O}(0; \{2^2, 4, 16, 32^2\})$	256
32	$\mathcal{O}(0; \{8^2, 16, 32^2\})$	2048
32	$\mathcal{O}(0; \{4, 32^4\})$	8192
33	$\mathcal{O}(1; \{3, 11, 33\})$	21780
33	$\mathcal{O}(0; \{3^4, 11, 33\})$	100
33	$\mathcal{O}(0; \{3, 33^4\})$	9100
35	$\mathcal{O}(1; \{5^3\})$	14400
35	$\mathcal{O}(0; \{5^2, 7, 35^2\})$	1560
36	$\mathcal{O}(1; \{2^2, 3^2\})$	1728
36	$\mathcal{O}(1; \{3, 6^2\})$	1728
36	$\mathcal{O}(1; \{3, 4, 12\})$	4608
36	$\mathcal{O}(1; \{2, 12^2\})$	4608
36	$\mathcal{O}(1; \{2, 9, 18\})$	5832
36	$\mathcal{O}(0; \{4, 9^3, 12\})$	72
36	$\mathcal{O}(0; \{2^2, 4^2, 9, 18\})$	12
36	$\mathcal{O}(0; \{4, 6, 9, 12, 18\})$	48
36	$\mathcal{O}(0; \{3, 9, 12^2, 18\})$	96
36	$\mathcal{O}(0; \{4^2, 18^3\})$	36
36	$\mathcal{O}(0; \{4, 6, 9^2, 36\})$	72
36	$\mathcal{O}(0; \{3, 9^2, 12, 36\})$	144
36	$\mathcal{O}(0; \{2^2, 3, 4, 18, 36\})$	24
36	$\mathcal{O}(0; \{4, 6^2, 18, 36\})$	48
36	$\mathcal{O}(0; \{2^3, 12, 18, 36\})$	24
36	$\mathcal{O}(0; \{4^2, 12, 18, 36\})$	96

Continued on next page

Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{3, 6, 12, 18, 36\})$	96
36	$\mathcal{O}(0; \{2^3, 9, 36^2\})$	36
36	$\mathcal{O}(0; \{4^2, 9, 36^2\})$	144
36	$\mathcal{O}(0; \{3, 6, 9, 36^2\})$	144
36	$\mathcal{O}(0; \{2, 18^2, 36^2\})$	324
36	$\mathcal{O}(0; \{3, 4, 36^3\})$	288
36	$\mathcal{O}(0; \{2, 12, 36^3\})$	288
39	$\mathcal{O}(0; \{3^2, 13^2, 39\})$	264
40	$\mathcal{O}(0; \{4, 5^2, 8^2\})$	32
40	$\mathcal{O}(0; \{2, 8^2, 10, 20\})$	32
40	$\mathcal{O}(0; \{2, 5, 8, 20, 40\})$	96
40	$\mathcal{O}(0; \{2, 4, 10, 40^2\})$	96
42	$\mathcal{O}(2; \emptyset)$	2880000
42	$\mathcal{O}(1; \{2^4\})$	1536
42	$\mathcal{O}(1; \{3^3\})$	2592
42	$\mathcal{O}(1; \{2, 3, 6\})$	3456
42	$\mathcal{O}(0; \{2, 6, 7^2, 21\})$	60
42	$\mathcal{O}(0; \{2, 3, 14, 21^2\})$	60
42	$\mathcal{O}(0; \{2^3, 3, 7, 42\})$	12
42	$\mathcal{O}(0; \{3^2, 6, 7, 42\})$	36
42	$\mathcal{O}(0; \{2, 6^2, 7, 42\})$	12
42	$\mathcal{O}(0; \{2, 3, 14^2, 42\})$	60
43	$\mathcal{O}(1; \{43^2\})$	77658
44	$\mathcal{O}(1; \{22^2\})$	14520
44	$\mathcal{O}(0; \{2, 4^2, 22^2\})$	20
44	$\mathcal{O}(0; \{2^2, 22, 44^2\})$	180
44	$\mathcal{O}(0; \{44^4\})$	7280
45	$\mathcal{O}(1; \{15^2\})$	14400
45	$\mathcal{O}(0; \{15, 45^3\})$	1872
48	$\mathcal{O}(1; \{8^2\})$	6144
48	$\mathcal{O}(0; \{12, 16^2, 24\})$	128
48	$\mathcal{O}(0; \{2, 3^2, 16, 48\})$	16
48	$\mathcal{O}(0; \{2^2, 6, 16, 48\})$	16
48	$\mathcal{O}(0; \{12^2, 16, 48\})$	64
48	$\mathcal{O}(0; \{8, 16, 24, 48\})$	256
48	$\mathcal{O}(0; \{8, 12, 48^2\})$	128
48	$\mathcal{O}(0; \{6, 24, 48^2\})$	192
49	$\mathcal{O}(1; \{7^2\})$	14112
52	$\mathcal{O}(0; \{4, 13, 26, 52\})$	264
54	$\mathcal{O}(0; \{3, 18, 27, 54\})$	216
56	$\mathcal{O}(1; \{4^2\})$	4608
58	$\mathcal{O}(0; \{2^3, 29, 58\})$	28
58	$\mathcal{O}(0; \{2, 58^3\})$	756

Continued on next page

Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
60	$\mathcal{O}(0; \{4, 5, 12, 15\})$	16
60	$\mathcal{O}(0; \{3, 6, 20^2\})$	16
60	$\mathcal{O}(0; \{4^2, 15, 30\})$	16
60	$\mathcal{O}(0; \{3, 5, 20, 60\})$	48
60	$\mathcal{O}(0; \{2, 20, 30, 60\})$	48
60	$\mathcal{O}(0; \{2, 15, 60^2\})$	48
63	$\mathcal{O}(1; \{3^2\})$	6912
66	$\mathcal{O}(0; \{2, 6, 33^2\})$	20
66	$\mathcal{O}(0; \{3^2, 22, 66\})$	20
66	$\mathcal{O}(0; \{2, 6, 22, 66\})$	20
70	$\mathcal{O}(0; \{2, 5, 14, 35\})$	24
78	$\mathcal{O}(0; \{2, 3, 13, 78\})$	24
84	$\mathcal{O}(1; \{2^2\})$	4608
86	$\mathcal{O}(0; \{2^2, 86^2\})$	42
87	$\mathcal{O}(0; \{87^3\})$	1512
88	$\mathcal{O}(0; \{44, 88^2\})$	720
90	$\mathcal{O}(0; \{30, 45, 90\})$	144
96	$\mathcal{O}(0; \{12, 32, 96\})$	64
99	$\mathcal{O}(0; \{9, 33, 99\})$	120
116	$\mathcal{O}(0; \{4, 58, 116\})$	56
129	$\mathcal{O}(0; \{3, 129^2\})$	84
132	$\mathcal{O}(0; \{3, 44, 132\})$	40
172	$\mathcal{O}(0; \{2, 172^2\})$	84
174	$\mathcal{O}(0; \{2, 87, 174\})$	56

Table 4: 44-admissible orbifolds.

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(44; \emptyset)$	1
2	$\mathcal{O}(22; \{2^2\})$	17592186044416
2	$\mathcal{O}(21; \{2^6\})$	4398046511104
2	$\mathcal{O}(20; \{2^{10}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{14}\})$	274877906944
2	$\mathcal{O}(18; \{2^{18}\})$	68719476736
2	$\mathcal{O}(17; \{2^{22}\})$	17179869184
2	$\mathcal{O}(16; \{2^{26}\})$	4294967296
2	$\mathcal{O}(15; \{2^{30}\})$	1073741824
2	$\mathcal{O}(14; \{2^{34}\})$	268435456
2	$\mathcal{O}(13; \{2^{38}\})$	67108864
2	$\mathcal{O}(12; \{2^{42}\})$	16777216

Continued on next page

Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(11; \{2^{46}\})$	4194304
2	$\mathcal{O}(10; \{2^{50}\})$	1048576
2	$\mathcal{O}(9; \{2^{54}\})$	262144
2	$\mathcal{O}(8; \{2^{58}\})$	65536
2	$\mathcal{O}(7; \{2^{62}\})$	16384
2	$\mathcal{O}(6; \{2^{66}\})$	4096
2	$\mathcal{O}(5; \{2^{70}\})$	1024
2	$\mathcal{O}(4; \{2^{74}\})$	256
2	$\mathcal{O}(3; \{2^{78}\})$	64
2	$\mathcal{O}(2; \{2^{82}\})$	16
2	$\mathcal{O}(1; \{2^{86}\})$	4
2	$\mathcal{O}(0; \{2^{90}\})$	1
3	$\mathcal{O}(14; \{3^4\})$	137260754729766
3	$\mathcal{O}(13; \{3^7\})$	106758364789818
3	$\mathcal{O}(12; \{3^{10}\})$	96590901476502
3	$\mathcal{O}(11; \{3^{13}\})$	85670292732570
3	$\mathcal{O}(10; \{3^{16}\})$	76172292024246
3	$\mathcal{O}(9; \{3^{19}\})$	67706379498618
3	$\mathcal{O}(8; \{3^{22}\})$	60183706723542
3	$\mathcal{O}(7; \{3^{25}\})$	53496599500890
3	$\mathcal{O}(6; \{3^{28}\})$	47552536078326
3	$\mathcal{O}(5; \{3^{31}\})$	42268920604218
3	$\mathcal{O}(4; \{3^{34}\})$	37572373909782
3	$\mathcal{O}(3; \{3^{37}\})$	33397665693210
3	$\mathcal{O}(2; \{3^{40}\})$	29686813950006
3	$\mathcal{O}(1; \{3^{43}\})$	26388279066618
3	$\mathcal{O}(0; \{3^{46}\})$	23456248059222
4	$\mathcal{O}(11; \{4^2\})$	35184372088832
4	$\mathcal{O}(10; \{2^4, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{2, 4^4\})$	8796093022208
4	$\mathcal{O}(9; \{2^8, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^5, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^2, 4^6\})$	2199023255552
4	$\mathcal{O}(8; \{2^{12}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^9, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^6, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^3, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{4^{10}\})$	2199023255552
4	$\mathcal{O}(7; \{2^{16}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{13}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{10}, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^7, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^4, 4^{10}\})$	137438953472

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Table 4 – continued from previous page

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

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Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(2; \{2^{21}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{18}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{15}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{12}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^9, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^6, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^3, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{4^{26}\})$	8589934592
4	$\mathcal{O}(1; \{2^{40}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{37}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{34}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{31}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{28}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{25}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{22}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{19}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{16}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{13}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{10}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^7, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^4, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2, 4^{28}\})$	2147483648
4	$\mathcal{O}(0; \{2^{44}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{41}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{38}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{35}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{32}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{29}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{26}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{23}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{20}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{17}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{14}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{11}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^8, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^5, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2^2, 4^{30}\})$	536870912
5	$\mathcal{O}(8; \{5^4\})$	7934570312500
5	$\mathcal{O}(6; \{5^9\})$	12799804687500
5	$\mathcal{O}(4; \{5^{14}\})$	20971520312500
5	$\mathcal{O}(2; \{5^{19}\})$	34359738367500
5	$\mathcal{O}(0; \{5^{24}\})$	56294995342132
6	$\mathcal{O}(7; \{2^2, 3^2\})$	156728328192

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Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(7; \{3, 6^2\})$	156728328192
6	$\mathcal{O}(6; \{2^6, 3^2\})$	4353564672
6	$\mathcal{O}(6; \{2^2, 3^5\})$	21767823360
6	$\mathcal{O}(6; \{2^3, 3^3, 6\})$	13060694016
6	$\mathcal{O}(6; \{2^4, 3, 6^2\})$	4353564672
6	$\mathcal{O}(6; \{3^4, 6^2\})$	47889211392
6	$\mathcal{O}(6; \{2, 3^2, 6^3\})$	21767823360
6	$\mathcal{O}(6; \{2^2, 6^4\})$	13060694016
6	$\mathcal{O}(5; \{2^{10}, 3^2\})$	120932352
6	$\mathcal{O}(5; \{2^6, 3^5\})$	604661760
6	$\mathcal{O}(5; \{2^2, 3^8\})$	5200091136
6	$\mathcal{O}(5; \{2^7, 3^3, 6\})$	362797056
6	$\mathcal{O}(5; \{2^3, 3^6, 6\})$	2539579392
6	$\mathcal{O}(5; \{2^8, 3, 6^2\})$	120932352
6	$\mathcal{O}(5; \{2^4, 3^4, 6^2\})$	1330255872
6	$\mathcal{O}(5; \{3^7, 6^2\})$	10279249920
6	$\mathcal{O}(5; \{2^5, 3^2, 6^3\})$	604661760
6	$\mathcal{O}(5; \{2, 3^5, 6^3\})$	5200091136
6	$\mathcal{O}(5; \{2^6, 6^4\})$	362797056
6	$\mathcal{O}(5; \{2^2, 3^3, 6^4\})$	2539579392
6	$\mathcal{O}(5; \{2^3, 3, 6^5\})$	1330255872
6	$\mathcal{O}(5; \{3^2, 6^6\})$	5200091136
6	$\mathcal{O}(5; \{2, 6^7\})$	2539579392
6	$\mathcal{O}(4; \{2^{14}, 3^2\})$	3359232
6	$\mathcal{O}(4; \{2^{10}, 3^5\})$	16796160
6	$\mathcal{O}(4; \{2^6, 3^8\})$	144446976
6	$\mathcal{O}(4; \{2^2, 3^{11}\})$	1145498112
6	$\mathcal{O}(4; \{2^{11}, 3^3, 6\})$	10077696
6	$\mathcal{O}(4; \{2^7, 3^6, 6\})$	70543872
6	$\mathcal{O}(4; \{2^3, 3^9, 6\})$	574428672
6	$\mathcal{O}(4; \{2^{12}, 3, 6^2\})$	3359232
6	$\mathcal{O}(4; \{2^8, 3^4, 6^2\})$	36951552
6	$\mathcal{O}(4; \{2^4, 3^7, 6^2\})$	285534720
6	$\mathcal{O}(4; \{3^{10}, 6^2\})$	2294355456
6	$\mathcal{O}(4; \{2^9, 3^2, 6^3\})$	16796160
6	$\mathcal{O}(4; \{2^5, 3^5, 6^3\})$	144446976
6	$\mathcal{O}(4; \{2, 3^8, 6^3\})$	1145498112
6	$\mathcal{O}(4; \{2^{10}, 6^4\})$	10077696
6	$\mathcal{O}(4; \{2^6, 3^3, 6^4\})$	70543872
6	$\mathcal{O}(4; \{2^2, 3^6, 6^4\})$	574428672
6	$\mathcal{O}(4; \{2^7, 3, 6^5\})$	36951552
6	$\mathcal{O}(4; \{2^3, 3^4, 6^5\})$	285534720
6	$\mathcal{O}(4; \{2^4, 3^2, 6^6\})$	144446976

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Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{3^5, 6^6\})$	1145498112
6	$\mathcal{O}(4; \{2^5, 6^7\})$	70543872
6	$\mathcal{O}(4; \{2, 3^3, 6^7\})$	574428672
6	$\mathcal{O}(4; \{2^2, 3, 6^8\})$	285534720
6	$\mathcal{O}(4; \{6^{10}\})$	574428672
6	$\mathcal{O}(3; \{2^{18}, 3^2\})$	93312
6	$\mathcal{O}(3; \{2^{14}, 3^5\})$	466560
6	$\mathcal{O}(3; \{2^{10}, 3^8\})$	4012416
6	$\mathcal{O}(3; \{2^6, 3^{11}\})$	31819392
6	$\mathcal{O}(3; \{2^2, 3^{14}\})$	254835072
6	$\mathcal{O}(3; \{2^{15}, 3^3, 6\})$	279936
6	$\mathcal{O}(3; \{2^{11}, 3^6, 6\})$	1959552
6	$\mathcal{O}(3; \{2^7, 3^9, 6\})$	15956352
6	$\mathcal{O}(3; \{2^3, 3^{12}, 6\})$	127370880
6	$\mathcal{O}(3; \{2^{16}, 3, 6^2\})$	93312
6	$\mathcal{O}(3; \{2^{12}, 3^4, 6^2\})$	1026432
6	$\mathcal{O}(3; \{2^8, 3^7, 6^2\})$	7931520
6	$\mathcal{O}(3; \{2^4, 3^{10}, 6^2\})$	63732096
6	$\mathcal{O}(3; \{3^{13}, 6^2\})$	509576832
6	$\mathcal{O}(3; \{2^{13}, 3^2, 6^3\})$	466560
6	$\mathcal{O}(3; \{2^9, 3^5, 6^3\})$	4012416
6	$\mathcal{O}(3; \{2^5, 3^8, 6^3\})$	31819392
6	$\mathcal{O}(3; \{2, 3^{11}, 6^3\})$	254835072
6	$\mathcal{O}(3; \{2^{14}, 6^4\})$	279936
6	$\mathcal{O}(3; \{2^{10}, 3^3, 6^4\})$	1959552
6	$\mathcal{O}(3; \{2^6, 3^6, 6^4\})$	15956352
6	$\mathcal{O}(3; \{2^2, 3^9, 6^4\})$	127370880
6	$\mathcal{O}(3; \{2^{11}, 3, 6^5\})$	1026432
6	$\mathcal{O}(3; \{2^7, 3^4, 6^5\})$	7931520
6	$\mathcal{O}(3; \{2^3, 3^7, 6^5\})$	63732096
6	$\mathcal{O}(3; \{2^8, 3^2, 6^6\})$	4012416
6	$\mathcal{O}(3; \{2^4, 3^5, 6^6\})$	31819392
6	$\mathcal{O}(3; \{3^8, 6^6\})$	254835072
6	$\mathcal{O}(3; \{2^9, 6^7\})$	1959552
6	$\mathcal{O}(3; \{2^5, 3^3, 6^7\})$	15956352
6	$\mathcal{O}(3; \{2, 3^6, 6^7\})$	127370880
6	$\mathcal{O}(3; \{2^6, 3, 6^8\})$	7931520
6	$\mathcal{O}(3; \{2^2, 3^4, 6^8\})$	63732096
6	$\mathcal{O}(3; \{2^3, 3^2, 6^9\})$	31819392
6	$\mathcal{O}(3; \{2^4, 6^{10}\})$	15956352
6	$\mathcal{O}(3; \{3^3, 6^{10}\})$	127370880
6	$\mathcal{O}(3; \{2, 3, 6^{11}\})$	63732096
6	$\mathcal{O}(2; \{2^{22}, 3^2\})$	2592

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Table 4 – continued from previous page

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

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Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^8, 6^{10}\})$	443232
6	$\mathcal{O}(2; \{2^4, 3^3, 6^{10}\})$	3538080
6	$\mathcal{O}(2; \{3^6, 6^{10}\})$	28312416
6	$\mathcal{O}(2; \{2^5, 3, 6^{11}\})$	1770336
6	$\mathcal{O}(2; \{2, 3^4, 6^{11}\})$	14154912
6	$\mathcal{O}(2; \{2^2, 3^2, 6^{12}\})$	7078752
6	$\mathcal{O}(2; \{2^3, 6^{13}\})$	3538080
6	$\mathcal{O}(2; \{3, 6^{14}\})$	14154912
6	$\mathcal{O}(1; \{2^{26}, 3^2\})$	72
6	$\mathcal{O}(1; \{2^{22}, 3^5\})$	360
6	$\mathcal{O}(1; \{2^{18}, 3^8\})$	3096
6	$\mathcal{O}(1; \{2^{14}, 3^{11}\})$	24552
6	$\mathcal{O}(1; \{2^{10}, 3^{14}\})$	196632
6	$\mathcal{O}(1; \{2^6, 3^{17}\})$	1572840
6	$\mathcal{O}(1; \{2^2, 3^{20}\})$	12582936
6	$\mathcal{O}(1; \{2^{23}, 3^3, 6\})$	216
6	$\mathcal{O}(1; \{2^{19}, 3^6, 6\})$	1512
6	$\mathcal{O}(1; \{2^{15}, 3^9, 6\})$	12312
6	$\mathcal{O}(1; \{2^{11}, 3^{12}, 6\})$	98280
6	$\mathcal{O}(1; \{2^7, 3^{15}, 6\})$	786456
6	$\mathcal{O}(1; \{2^3, 3^{18}, 6\})$	6291432
6	$\mathcal{O}(1; \{2^{24}, 3, 6^2\})$	72
6	$\mathcal{O}(1; \{2^{20}, 3^4, 6^2\})$	792
6	$\mathcal{O}(1; \{2^{16}, 3^7, 6^2\})$	6120
6	$\mathcal{O}(1; \{2^{12}, 3^{10}, 6^2\})$	49176
6	$\mathcal{O}(1; \{2^8, 3^{13}, 6^2\})$	393192
6	$\mathcal{O}(1; \{2^4, 3^{16}, 6^2\})$	3145752
6	$\mathcal{O}(1; \{3^{19}, 6^2\})$	25165800
6	$\mathcal{O}(1; \{2^{21}, 3^2, 6^3\})$	360
6	$\mathcal{O}(1; \{2^{17}, 3^5, 6^3\})$	3096
6	$\mathcal{O}(1; \{2^{13}, 3^8, 6^3\})$	24552
6	$\mathcal{O}(1; \{2^9, 3^{11}, 6^3\})$	196632
6	$\mathcal{O}(1; \{2^5, 3^{14}, 6^3\})$	1572840
6	$\mathcal{O}(1; \{2, 3^{17}, 6^3\})$	12582936
6	$\mathcal{O}(1; \{2^{22}, 6^4\})$	216
6	$\mathcal{O}(1; \{2^{18}, 3^3, 6^4\})$	1512
6	$\mathcal{O}(1; \{2^{14}, 3^6, 6^4\})$	12312
6	$\mathcal{O}(1; \{2^{10}, 3^9, 6^4\})$	98280
6	$\mathcal{O}(1; \{2^6, 3^{12}, 6^4\})$	786456
6	$\mathcal{O}(1; \{2^2, 3^{15}, 6^4\})$	6291432
6	$\mathcal{O}(1; \{2^{19}, 3, 6^5\})$	792
6	$\mathcal{O}(1; \{2^{15}, 3^4, 6^5\})$	6120
6	$\mathcal{O}(1; \{2^{11}, 3^7, 6^5\})$	49176

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Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^7, 3^{10}, 6^5\})$	393192
6	$\mathcal{O}(1; \{2^3, 3^{13}, 6^5\})$	3145752
6	$\mathcal{O}(1; \{2^{16}, 3^2, 6^6\})$	3096
6	$\mathcal{O}(1; \{2^{12}, 3^5, 6^6\})$	24552
6	$\mathcal{O}(1; \{2^8, 3^8, 6^6\})$	196632
6	$\mathcal{O}(1; \{2^4, 3^{11}, 6^6\})$	1572840
6	$\mathcal{O}(1; \{3^{14}, 6^6\})$	12582936
6	$\mathcal{O}(1; \{2^{17}, 6^7\})$	1512
6	$\mathcal{O}(1; \{2^{13}, 3^3, 6^7\})$	12312
6	$\mathcal{O}(1; \{2^9, 3^6, 6^7\})$	98280
6	$\mathcal{O}(1; \{2^5, 3^9, 6^7\})$	786456
6	$\mathcal{O}(1; \{2, 3^{12}, 6^7\})$	6291432
6	$\mathcal{O}(1; \{2^{14}, 3, 6^8\})$	6120
6	$\mathcal{O}(1; \{2^{10}, 3^4, 6^8\})$	49176
6	$\mathcal{O}(1; \{2^6, 3^7, 6^8\})$	393192
6	$\mathcal{O}(1; \{2^2, 3^{10}, 6^8\})$	3145752
6	$\mathcal{O}(1; \{2^{11}, 3^2, 6^9\})$	24552
6	$\mathcal{O}(1; \{2^7, 3^5, 6^9\})$	196632
6	$\mathcal{O}(1; \{2^3, 3^8, 6^9\})$	1572840
6	$\mathcal{O}(1; \{2^{12}, 6^{10}\})$	12312
6	$\mathcal{O}(1; \{2^8, 3^3, 6^{10}\})$	98280
6	$\mathcal{O}(1; \{2^4, 3^6, 6^{10}\})$	786456
6	$\mathcal{O}(1; \{3^9, 6^{10}\})$	6291432
6	$\mathcal{O}(1; \{2^9, 3, 6^{11}\})$	49176
6	$\mathcal{O}(1; \{2^5, 3^4, 6^{11}\})$	393192
6	$\mathcal{O}(1; \{2, 3^7, 6^{11}\})$	3145752
6	$\mathcal{O}(1; \{2^6, 3^2, 6^{12}\})$	196632
6	$\mathcal{O}(1; \{2^2, 3^5, 6^{12}\})$	1572840
6	$\mathcal{O}(1; \{2^7, 6^{13}\})$	98280
6	$\mathcal{O}(1; \{2^3, 3^3, 6^{13}\})$	786456
6	$\mathcal{O}(1; \{2^4, 3, 6^{14}\})$	393192
6	$\mathcal{O}(1; \{3^4, 6^{14}\})$	3145752
6	$\mathcal{O}(1; \{2, 3^2, 6^{15}\})$	1572840
6	$\mathcal{O}(1; \{2^2, 6^{16}\})$	786456
6	$\mathcal{O}(0; \{2^{30}, 3^2\})$	2
6	$\mathcal{O}(0; \{2^{26}, 3^5\})$	10
6	$\mathcal{O}(0; \{2^{22}, 3^8\})$	86
6	$\mathcal{O}(0; \{2^{18}, 3^{11}\})$	682
6	$\mathcal{O}(0; \{2^{14}, 3^{14}\})$	5462
6	$\mathcal{O}(0; \{2^{10}, 3^{17}\})$	43690
6	$\mathcal{O}(0; \{2^6, 3^{20}\})$	349526
6	$\mathcal{O}(0; \{2^2, 3^{23}\})$	2796202
6	$\mathcal{O}(0; \{2^{27}, 3^3, 6\})$	6

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Table 4 – continued from previous page

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

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Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^9, 3^9, 6^7\})$	21846
6	$\mathcal{O}(0; \{2^5, 3^{12}, 6^7\})$	174762
6	$\mathcal{O}(0; \{2, 3^{15}, 6^7\})$	1398102
6	$\mathcal{O}(0; \{2^{18}, 3, 6^8\})$	170
6	$\mathcal{O}(0; \{2^{14}, 3^4, 6^8\})$	1366
6	$\mathcal{O}(0; \{2^{10}, 3^7, 6^8\})$	10922
6	$\mathcal{O}(0; \{2^6, 3^{10}, 6^8\})$	87382
6	$\mathcal{O}(0; \{2^2, 3^{13}, 6^8\})$	699050
6	$\mathcal{O}(0; \{2^{15}, 3^2, 6^9\})$	682
6	$\mathcal{O}(0; \{2^{11}, 3^5, 6^9\})$	5462
6	$\mathcal{O}(0; \{2^7, 3^8, 6^9\})$	43690
6	$\mathcal{O}(0; \{2^3, 3^{11}, 6^9\})$	349526
6	$\mathcal{O}(0; \{2^{16}, 6^{10}\})$	342
6	$\mathcal{O}(0; \{2^{12}, 3^3, 6^{10}\})$	2730
6	$\mathcal{O}(0; \{2^8, 3^6, 6^{10}\})$	21846
6	$\mathcal{O}(0; \{2^4, 3^9, 6^{10}\})$	174762
6	$\mathcal{O}(0; \{3^{12}, 6^{10}\})$	1398102
6	$\mathcal{O}(0; \{2^{13}, 3, 6^{11}\})$	1366
6	$\mathcal{O}(0; \{2^9, 3^4, 6^{11}\})$	10922
6	$\mathcal{O}(0; \{2^5, 3^7, 6^{11}\})$	87382
6	$\mathcal{O}(0; \{2, 3^{10}, 6^{11}\})$	699050
6	$\mathcal{O}(0; \{2^{10}, 3^2, 6^{12}\})$	5462
6	$\mathcal{O}(0; \{2^6, 3^5, 6^{12}\})$	43690
6	$\mathcal{O}(0; \{2^2, 3^8, 6^{12}\})$	349526
6	$\mathcal{O}(0; \{2^{11}, 6^{13}\})$	2730
6	$\mathcal{O}(0; \{2^7, 3^3, 6^{13}\})$	21846
6	$\mathcal{O}(0; \{2^3, 3^6, 6^{13}\})$	174762
6	$\mathcal{O}(0; \{2^8, 3, 6^{14}\})$	10922
6	$\mathcal{O}(0; \{2^4, 3^4, 6^{14}\})$	87382
6	$\mathcal{O}(0; \{3^7, 6^{14}\})$	699050
6	$\mathcal{O}(0; \{2^5, 3^2, 6^{15}\})$	43690
6	$\mathcal{O}(0; \{2, 3^5, 6^{15}\})$	349526
6	$\mathcal{O}(0; \{2^6, 6^{16}\})$	21846
6	$\mathcal{O}(0; \{2^2, 3^3, 6^{16}\})$	174762
6	$\mathcal{O}(0; \{2^3, 3, 6^{17}\})$	87382
6	$\mathcal{O}(0; \{3^2, 6^{18}\})$	349526
6	$\mathcal{O}(0; \{2, 6^{19}\})$	174762
7	$\mathcal{O}(5; \{7^5\})$	313547526390
7	$\mathcal{O}(2; \{7^{12}\})$	746636343306
8	$\mathcal{O}(5; \{2^2, 8^2\})$	4294967296
8	$\mathcal{O}(4; \{2^6, 8^2\})$	67108864
8	$\mathcal{O}(4; \{2^3, 4^2, 8^2\})$	268435456
8	$\mathcal{O}(4; \{4^4, 8^2\})$	1073741824

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Table 4 – continued from previous page

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

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Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2, 4^2, 8^{10}\})$	67108864
8	$\mathcal{O}(0; \{2^{22}, 8^2\})$	4
8	$\mathcal{O}(0; \{2^{19}, 4^2, 8^2\})$	16
8	$\mathcal{O}(0; \{2^{16}, 4^4, 8^2\})$	64
8	$\mathcal{O}(0; \{2^{13}, 4^6, 8^2\})$	256
8	$\mathcal{O}(0; \{2^{10}, 4^8, 8^2\})$	1024
8	$\mathcal{O}(0; \{2^7, 4^{10}, 8^2\})$	4096
8	$\mathcal{O}(0; \{2^4, 4^{12}, 8^2\})$	16384
8	$\mathcal{O}(0; \{2, 4^{14}, 8^2\})$	65536
8	$\mathcal{O}(0; \{2^{17}, 4, 8^4\})$	128
8	$\mathcal{O}(0; \{2^{14}, 4^3, 8^4\})$	512
8	$\mathcal{O}(0; \{2^{11}, 4^5, 8^4\})$	2048
8	$\mathcal{O}(0; \{2^8, 4^7, 8^4\})$	8192
8	$\mathcal{O}(0; \{2^5, 4^9, 8^4\})$	32768
8	$\mathcal{O}(0; \{2^2, 4^{11}, 8^4\})$	131072
8	$\mathcal{O}(0; \{2^{15}, 8^6\})$	1024
8	$\mathcal{O}(0; \{2^{12}, 4^2, 8^6\})$	4096
8	$\mathcal{O}(0; \{2^9, 4^4, 8^6\})$	16384
8	$\mathcal{O}(0; \{2^6, 4^6, 8^6\})$	65536
8	$\mathcal{O}(0; \{2^3, 4^8, 8^6\})$	262144
8	$\mathcal{O}(0; \{4^{10}, 8^6\})$	1048576
8	$\mathcal{O}(0; \{2^{10}, 4, 8^8\})$	32768
8	$\mathcal{O}(0; \{2^7, 4^3, 8^8\})$	131072
8	$\mathcal{O}(0; \{2^4, 4^5, 8^8\})$	524288
8	$\mathcal{O}(0; \{2, 4^7, 8^8\})$	2097152
8	$\mathcal{O}(0; \{2^8, 8^{10}\})$	262144
8	$\mathcal{O}(0; \{2^5, 4^2, 8^{10}\})$	1048576
8	$\mathcal{O}(0; \{2^2, 4^4, 8^{10}\})$	4194304
8	$\mathcal{O}(0; \{2^3, 4, 8^{12}\})$	8388608
8	$\mathcal{O}(0; \{4^3, 8^{12}\})$	33554432
8	$\mathcal{O}(0; \{2, 8^{14}\})$	67108864
9	$\mathcal{O}(4; \{9^4\})$	6973568802
9	$\mathcal{O}(3; \{3^3, 9^4\})$	688747536
9	$\mathcal{O}(2; \{3^6, 9^4\})$	68024448
9	$\mathcal{O}(2; \{3^2, 9^7\})$	803538792
9	$\mathcal{O}(1; \{3^9, 9^4\})$	6718464
9	$\mathcal{O}(1; \{3^5, 9^7\})$	79361856
9	$\mathcal{O}(1; \{3, 9^{10}\})$	1090516932
9	$\mathcal{O}(0; \{3^{12}, 9^4\})$	663552
9	$\mathcal{O}(0; \{3^8, 9^7\})$	7838208
9	$\mathcal{O}(0; \{3^4, 9^{10}\})$	107705376
9	$\mathcal{O}(0; \{9^{13}\})$	1450833930
10	$\mathcal{O}(4; \{2^2, 5^2\})$	400000000

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Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(4; \{5, 10^2\})$	1200000000
10	$\mathcal{O}(3; \{2^6, 5^2\})$	4000000
10	$\mathcal{O}(3; \{2, 5^4, 10\})$	204000000
10	$\mathcal{O}(3; \{2^4, 5, 10^2\})$	12000000
10	$\mathcal{O}(3; \{2^2, 10^4\})$	52000000
10	$\mathcal{O}(2; \{2^{10}, 5^2\})$	40000
10	$\mathcal{O}(2; \{2^2, 5^7\})$	32760000
10	$\mathcal{O}(2; \{2^5, 5^4, 10\})$	2040000
10	$\mathcal{O}(2; \{2^8, 5, 10^2\})$	120000
10	$\mathcal{O}(2; \{5^6, 10^2\})$	131080000
10	$\mathcal{O}(2; \{2^3, 5^3, 10^3\})$	8200000
10	$\mathcal{O}(2; \{2^6, 10^4\})$	520000
10	$\mathcal{O}(2; \{2, 5^2, 10^5\})$	32760000
10	$\mathcal{O}(1; \{2^{14}, 5^2\})$	400
10	$\mathcal{O}(1; \{2^6, 5^7\})$	327600
10	$\mathcal{O}(1; \{2^9, 5^4, 10\})$	20400
10	$\mathcal{O}(1; \{2, 5^9, 10\})$	20971600
10	$\mathcal{O}(1; \{2^{12}, 5, 10^2\})$	1200
10	$\mathcal{O}(1; \{2^4, 5^6, 10^2\})$	1310800
10	$\mathcal{O}(1; \{2^7, 5^3, 10^3\})$	82000
10	$\mathcal{O}(1; \{2^{10}, 10^4\})$	5200
10	$\mathcal{O}(1; \{2^2, 5^5, 10^4\})$	5242800
10	$\mathcal{O}(1; \{2^5, 5^2, 10^5\})$	327600
10	$\mathcal{O}(1; \{5^4, 10^6\})$	20971600
10	$\mathcal{O}(1; \{2^3, 5, 10^7\})$	1310800
10	$\mathcal{O}(1; \{2, 10^9\})$	5242800
10	$\mathcal{O}(0; \{2^{18}, 5^2\})$	4
10	$\mathcal{O}(0; \{2^{10}, 5^7\})$	3276
10	$\mathcal{O}(0; \{2^2, 5^{12}\})$	3355444
10	$\mathcal{O}(0; \{2^{13}, 5^4, 10\})$	204
10	$\mathcal{O}(0; \{2^5, 5^9, 10\})$	209716
10	$\mathcal{O}(0; \{2^{16}, 5, 10^2\})$	12
10	$\mathcal{O}(0; \{2^8, 5^6, 10^2\})$	13108
10	$\mathcal{O}(0; \{5^{11}, 10^2\})$	13421772
10	$\mathcal{O}(0; \{2^{11}, 5^3, 10^3\})$	820
10	$\mathcal{O}(0; \{2^3, 5^8, 10^3\})$	838860
10	$\mathcal{O}(0; \{2^{14}, 10^4\})$	52
10	$\mathcal{O}(0; \{2^6, 5^5, 10^4\})$	52428
10	$\mathcal{O}(0; \{2^9, 5^2, 10^5\})$	3276
10	$\mathcal{O}(0; \{2, 5^7, 10^5\})$	3355444
10	$\mathcal{O}(0; \{2^4, 5^4, 10^6\})$	209716
10	$\mathcal{O}(0; \{2^7, 5, 10^7\})$	13108
10	$\mathcal{O}(0; \{2^2, 5^3, 10^8\})$	838860

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Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2^5, 10^9\})$	52428
10	$\mathcal{O}(0; \{5^2, 10^{10}\})$	3355444
11	$\mathcal{O}(4; \{11^2\})$	2143588810
12	$\mathcal{O}(3; \{4^2, 6^2\})$	11943936
12	$\mathcal{O}(3; \{3, 4, 6, 12\})$	11943936
12	$\mathcal{O}(3; \{3^2, 12^2\})$	35831808
12	$\mathcal{O}(3; \{2, 6, 12^2\})$	11943936
12	$\mathcal{O}(2; \{2^2, 3^4, 4^2\})$	248832
12	$\mathcal{O}(2; \{2^3, 3^2, 4^2, 6\})$	82944
12	$\mathcal{O}(2; \{3^2, 4^4, 6\})$	331776
12	$\mathcal{O}(2; \{2^4, 4^2, 6^2\})$	82944
12	$\mathcal{O}(2; \{3^3, 4^2, 6^2\})$	414720
12	$\mathcal{O}(2; \{2, 4^4, 6^2\})$	331776
12	$\mathcal{O}(2; \{2, 3, 4^2, 6^3\})$	248832
12	$\mathcal{O}(2; \{2^3, 3^3, 4, 12\})$	248832
12	$\mathcal{O}(2; \{3^3, 4^3, 12\})$	995328
12	$\mathcal{O}(2; \{2^4, 3, 4, 6, 12\})$	82944
12	$\mathcal{O}(2; \{3^4, 4, 6, 12\})$	912384
12	$\mathcal{O}(2; \{2, 3, 4^3, 6, 12\})$	331776
12	$\mathcal{O}(2; \{2, 3^2, 4, 6^2, 12\})$	414720
12	$\mathcal{O}(2; \{2^2, 4, 6^3, 12\})$	248832
12	$\mathcal{O}(2; \{2^4, 3^2, 12^2\})$	248832
12	$\mathcal{O}(2; \{3^5, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2, 3^2, 4^2, 12^2\})$	995328
12	$\mathcal{O}(2; \{2^5, 6, 12^2\})$	82944
12	$\mathcal{O}(2; \{2, 3^3, 6, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^2, 4^2, 6, 12^2\})$	331776
12	$\mathcal{O}(2; \{2^2, 3, 6^2, 12^2\})$	414720
12	$\mathcal{O}(2; \{6^4, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^2, 3, 4, 12^3\})$	995328
12	$\mathcal{O}(2; \{4, 6^2, 12^3\})$	1658880
12	$\mathcal{O}(2; \{2^3, 12^4\})$	995328
12	$\mathcal{O}(2; \{4^2, 12^4\})$	3981312
12	$\mathcal{O}(2; \{3, 6, 12^4\})$	3649536
12	$\mathcal{O}(1; \{2^6, 3^4, 4^2\})$	1728
12	$\mathcal{O}(1; \{2^2, 3^7, 4^2\})$	12096
12	$\mathcal{O}(1; \{2^3, 3^4, 4^4\})$	6912
12	$\mathcal{O}(1; \{3^4, 4^6\})$	27648
12	$\mathcal{O}(1; \{2^7, 3^2, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{2^3, 3^5, 4^2, 6\})$	6336
12	$\mathcal{O}(1; \{2^4, 3^2, 4^4, 6\})$	2304
12	$\mathcal{O}(1; \{3^5, 4^4, 6\})$	25344
12	$\mathcal{O}(1; \{2, 3^2, 4^6, 6\})$	9216

Continued on next page

Table 4 – continued from previous page

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

Continued on next page

Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3^6, 6, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^6, 4^2, 6, 12^2\})$	2304
12	$\mathcal{O}(1; \{2^2, 3^3, 4^2, 6, 12^2\})$	25344
12	$\mathcal{O}(1; \{2^3, 4^4, 6, 12^2\})$	9216
12	$\mathcal{O}(1; \{4^6, 6, 12^2\})$	36864
12	$\mathcal{O}(1; \{2^6, 3, 6^2, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^2, 3^4, 6^2, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 6^2, 12^2\})$	11520
12	$\mathcal{O}(1; \{3, 4^4, 6^2, 12^2\})$	46080
12	$\mathcal{O}(1; \{2^3, 3^2, 6^3, 12^2\})$	12096
12	$\mathcal{O}(1; \{3^2, 4^2, 6^3, 12^2\})$	48384
12	$\mathcal{O}(1; \{2^4, 6^4, 12^2\})$	6336
12	$\mathcal{O}(1; \{3^3, 6^4, 12^2\})$	48960
12	$\mathcal{O}(1; \{2, 4^2, 6^4, 12^2\})$	25344
12	$\mathcal{O}(1; \{2, 3, 6^5, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^6, 3, 4, 12^3\})$	6912
12	$\mathcal{O}(1; \{2^2, 3^4, 4, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^3, 3, 4^3, 12^3\})$	27648
12	$\mathcal{O}(1; \{3, 4^5, 12^3\})$	110592
12	$\mathcal{O}(1; \{2^3, 3^2, 4, 6, 12^3\})$	25344
12	$\mathcal{O}(1; \{3^2, 4^3, 6, 12^3\})$	101376
12	$\mathcal{O}(1; \{2^4, 4, 6^2, 12^3\})$	11520
12	$\mathcal{O}(1; \{3^3, 4, 6^2, 12^3\})$	99072
12	$\mathcal{O}(1; \{2, 4^3, 6^2, 12^3\})$	46080
12	$\mathcal{O}(1; \{2, 3, 4, 6^3, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^7, 12^4\})$	6912
12	$\mathcal{O}(1; \{2^3, 3^3, 12^4\})$	48384
12	$\mathcal{O}(1; \{2^4, 4^2, 12^4\})$	27648
12	$\mathcal{O}(1; \{3^3, 4^2, 12^4\})$	193536
12	$\mathcal{O}(1; \{2, 4^4, 12^4\})$	110592
12	$\mathcal{O}(1; \{2^4, 3, 6, 12^4\})$	25344
12	$\mathcal{O}(1; \{3^4, 6, 12^4\})$	195840
12	$\mathcal{O}(1; \{2, 3, 4^2, 6, 12^4\})$	101376
12	$\mathcal{O}(1; \{2, 3^2, 6^2, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^2, 6^3, 12^4\})$	48384
12	$\mathcal{O}(1; \{2, 3^2, 4, 12^5\})$	193536
12	$\mathcal{O}(1; \{2^2, 4, 6, 12^5\})$	101376
12	$\mathcal{O}(1; \{2^2, 3, 12^6\})$	193536
12	$\mathcal{O}(1; \{6^2, 12^6\})$	396288
12	$\mathcal{O}(1; \{4, 12^7\})$	774144
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^2\})$	12
12	$\mathcal{O}(0; \{2^6, 3^7, 4^2\})$	84
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^2\})$	684

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Table 4 – continued from previous page

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

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Table 4 – continued from previous page

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

Continued on next page

Table 4 – continued from previous page

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

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Table 4 – continued from previous page

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

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Table 4 – continued from previous page

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

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Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3, 6^3, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^4, 4, 12^7\})$	5376
12	$\mathcal{O}(0; \{3^3, 4, 12^7\})$	43776
12	$\mathcal{O}(0; \{2, 4^3, 12^7\})$	21504
12	$\mathcal{O}(0; \{2, 3, 4, 6, 12^7\})$	21760
12	$\mathcal{O}(0; \{2, 3^2, 12^8\})$	43776
12	$\mathcal{O}(0; \{2^2, 6, 12^8\})$	21760
12	$\mathcal{O}(0; \{12^{10}\})$	175104
13	$\mathcal{O}(2; \{13^5\})$	546657540
14	$\mathcal{O}(2; \{2^3, 7^2, 14\})$	1152480
14	$\mathcal{O}(2; \{2, 7, 14^3\})$	7145376
14	$\mathcal{O}(1; \{2^2, 7^6\})$	1306536
14	$\mathcal{O}(1; \{2^7, 7^2, 14\})$	5880
14	$\mathcal{O}(1; \{7^5, 14^2\})$	7838040
14	$\mathcal{O}(1; \{2^5, 7, 14^3\})$	36456
14	$\mathcal{O}(1; \{2^3, 14^5\})$	217560
14	$\mathcal{O}(0; \{2^6, 7^6\})$	6666
14	$\mathcal{O}(0; \{2^{11}, 7^2, 14\})$	30
14	$\mathcal{O}(0; \{2^4, 7^5, 14^2\})$	39990
14	$\mathcal{O}(0; \{2^9, 7, 14^3\})$	186
14	$\mathcal{O}(0; \{2^2, 7^4, 14^4\})$	239946
14	$\mathcal{O}(0; \{2^7, 14^5\})$	1110
14	$\mathcal{O}(0; \{7^3, 14^6\})$	1439670
15	$\mathcal{O}(2; \{3^2, 5^3\})$	1215000
15	$\mathcal{O}(2; \{3^3, 5, 15\})$	1215000
15	$\mathcal{O}(2; \{15^4\})$	15795000
15	$\mathcal{O}(1; \{3^5, 5^3\})$	27000
15	$\mathcal{O}(1; \{3^6, 5, 15\})$	37800
15	$\mathcal{O}(1; \{3, 5^4, 15^2\})$	369000
15	$\mathcal{O}(1; \{3^2, 5^2, 15^3\})$	459000
15	$\mathcal{O}(1; \{3^3, 15^4\})$	491400
15	$\mathcal{O}(0; \{3^8, 5^3\})$	1032
15	$\mathcal{O}(0; \{3^2, 5^8\})$	26216
15	$\mathcal{O}(0; \{3^9, 5, 15\})$	1368
15	$\mathcal{O}(0; \{3^3, 5^6, 15\})$	19656
15	$\mathcal{O}(0; \{3^4, 5^4, 15^2\})$	18040
15	$\mathcal{O}(0; \{3^5, 5^2, 15^3\})$	17544
15	$\mathcal{O}(0; \{3^6, 15^4\})$	17784
15	$\mathcal{O}(0; \{5^5, 15^4\})$	314568
15	$\mathcal{O}(0; \{3, 5^3, 15^5\})$	288376
15	$\mathcal{O}(0; \{3^2, 5, 15^6\})$	281736
16	$\mathcal{O}(2; \{2^3, 16^2\})$	524288
16	$\mathcal{O}(2; \{4^2, 16^2\})$	2097152

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Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(1; \{2^7, 16^2\})$	2048
16	$\mathcal{O}(1; \{2^4, 4^2, 16^2\})$	8192
16	$\mathcal{O}(1; \{2, 4^4, 16^2\})$	32768
16	$\mathcal{O}(1; \{2^2, 4, 8^2, 16^2\})$	65536
16	$\mathcal{O}(1; \{8^4, 16^2\})$	524288
16	$\mathcal{O}(1; \{4, 8, 16^4\})$	1048576
16	$\mathcal{O}(0; \{2^{11}, 16^2\})$	8
16	$\mathcal{O}(0; \{2^8, 4^2, 16^2\})$	32
16	$\mathcal{O}(0; \{2^5, 4^4, 16^2\})$	128
16	$\mathcal{O}(0; \{2^2, 4^6, 16^2\})$	512
16	$\mathcal{O}(0; \{2^6, 4, 8^2, 16^2\})$	256
16	$\mathcal{O}(0; \{2^3, 4^3, 8^2, 16^2\})$	1024
16	$\mathcal{O}(0; \{4^5, 8^2, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^4, 8^4, 16^2\})$	2048
16	$\mathcal{O}(0; \{2, 4^2, 8^4, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^4, 4, 8, 16^4\})$	4096
16	$\mathcal{O}(0; \{2, 4^3, 8, 16^4\})$	16384
16	$\mathcal{O}(0; \{2^2, 8^3, 16^4\})$	32768
16	$\mathcal{O}(0; \{2^2, 4, 16^6\})$	65536
16	$\mathcal{O}(0; \{8^2, 16^6\})$	524288
18	$\mathcal{O}(2; \{2^2, 9^2\})$	629856
18	$\mathcal{O}(2; \{9, 18^2\})$	1889568
18	$\mathcal{O}(1; \{2^6, 9^2\})$	1944
18	$\mathcal{O}(1; \{2^2, 3^3, 9^2\})$	15552
18	$\mathcal{O}(1; \{2^3, 3, 6, 9^2\})$	7776
18	$\mathcal{O}(1; \{3^2, 6^2, 9^2\})$	31104
18	$\mathcal{O}(1; \{2, 6^3, 9^2\})$	15552
18	$\mathcal{O}(1; \{2, 3, 9^3, 18\})$	104976
18	$\mathcal{O}(1; \{2^4, 9, 18^2\})$	5832
18	$\mathcal{O}(1; \{3^3, 9, 18^2\})$	46656
18	$\mathcal{O}(1; \{2, 3, 6, 9, 18^2\})$	23328
18	$\mathcal{O}(1; \{2^2, 18^4\})$	52488
18	$\mathcal{O}(0; \{2^{10}, 9^2\})$	6
18	$\mathcal{O}(0; \{2^6, 3^3, 9^2\})$	48
18	$\mathcal{O}(0; \{2^2, 3^6, 9^2\})$	384
18	$\mathcal{O}(0; \{2^7, 3, 6, 9^2\})$	24
18	$\mathcal{O}(0; \{2^3, 3^4, 6, 9^2\})$	192
18	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 9^2\})$	96
18	$\mathcal{O}(0; \{3^5, 6^2, 9^2\})$	768
18	$\mathcal{O}(0; \{2^5, 6^3, 9^2\})$	48
18	$\mathcal{O}(0; \{2, 3^3, 6^3, 9^2\})$	384
18	$\mathcal{O}(0; \{2^2, 3, 6^4, 9^2\})$	192
18	$\mathcal{O}(0; \{6^6, 9^2\})$	384

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Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^2, 3^2, 9^5\})$	3240
18	$\mathcal{O}(0; \{2^3, 6, 9^5\})$	1620
18	$\mathcal{O}(0; \{3, 6^2, 9^5\})$	6480
18	$\mathcal{O}(0; \{2^5, 3, 9^3, 18\})$	324
18	$\mathcal{O}(0; \{2, 3^4, 9^3, 18\})$	2592
18	$\mathcal{O}(0; \{2^2, 3^2, 6, 9^3, 18\})$	1296
18	$\mathcal{O}(0; \{2^3, 6^2, 9^3, 18\})$	648
18	$\mathcal{O}(0; \{3, 6^3, 9^3, 18\})$	2592
18	$\mathcal{O}(0; \{2, 9^6, 18\})$	30618
18	$\mathcal{O}(0; \{2^8, 9, 18^2\})$	18
18	$\mathcal{O}(0; \{2^4, 3^3, 9, 18^2\})$	144
18	$\mathcal{O}(0; \{3^6, 9, 18^2\})$	1152
18	$\mathcal{O}(0; \{2^5, 3, 6, 9, 18^2\})$	72
18	$\mathcal{O}(0; \{2, 3^4, 6, 9, 18^2\})$	576
18	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 9, 18^2\})$	288
18	$\mathcal{O}(0; \{2^3, 6^3, 9, 18^2\})$	144
18	$\mathcal{O}(0; \{3, 6^4, 9, 18^2\})$	576
18	$\mathcal{O}(0; \{3^2, 9^4, 18^2\})$	21384
18	$\mathcal{O}(0; \{2, 6, 9^4, 18^2\})$	10692
18	$\mathcal{O}(0; \{2^3, 3, 9^2, 18^3\})$	1620
18	$\mathcal{O}(0; \{3^2, 6, 9^2, 18^3\})$	6480
18	$\mathcal{O}(0; \{2, 6^2, 9^2, 18^3\})$	3240
18	$\mathcal{O}(0; \{2^6, 18^4\})$	162
18	$\mathcal{O}(0; \{2^2, 3^3, 18^4\})$	1296
18	$\mathcal{O}(0; \{2^3, 3, 6, 18^4\})$	648
18	$\mathcal{O}(0; \{3^2, 6^2, 18^4\})$	2592
18	$\mathcal{O}(0; \{2, 6^3, 18^4\})$	1296
18	$\mathcal{O}(0; \{2, 3, 9, 18^5\})$	10692
20	$\mathcal{O}(1; \{2^2, 4^2, 10^2\})$	3200
20	$\mathcal{O}(1; \{2^2, 4, 5^2, 20\})$	9600
20	$\mathcal{O}(1; \{4, 5, 10^2, 20\})$	41600
20	$\mathcal{O}(1; \{5^3, 20^2\})$	163200
20	$\mathcal{O}(1; \{2^3, 10, 20^2\})$	9600
20	$\mathcal{O}(1; \{4^2, 10, 20^2\})$	38400
20	$\mathcal{O}(1; \{2, 20^4\})$	166400
20	$\mathcal{O}(0; \{4^2, 5^6\})$	1640
20	$\mathcal{O}(0; \{2^3, 4^2, 5^3, 10\})$	104
20	$\mathcal{O}(0; \{4^4, 5^3, 10\})$	416
20	$\mathcal{O}(0; \{2^6, 4^2, 10^2\})$	8
20	$\mathcal{O}(0; \{2^3, 4^4, 10^2\})$	32
20	$\mathcal{O}(0; \{4^6, 10^2\})$	128
20	$\mathcal{O}(0; \{2, 4^2, 5^2, 10^3\})$	408
20	$\mathcal{O}(0; \{2^6, 4, 5^2, 20\})$	24

Continued on next page

Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^3, 4^3, 5^2, 20\})$	96
20	$\mathcal{O}(0; \{4^5, 5^2, 20\})$	384
20	$\mathcal{O}(0; \{2, 4, 5^4, 10, 20\})$	1640
20	$\mathcal{O}(0; \{2^4, 4, 5, 10^2, 20\})$	104
20	$\mathcal{O}(0; \{2, 4^3, 5, 10^2, 20\})$	416
20	$\mathcal{O}(0; \{2^2, 4, 10^4, 20\})$	408
20	$\mathcal{O}(0; \{2^4, 5^3, 20^2\})$	408
20	$\mathcal{O}(0; \{2, 4^2, 5^3, 20^2\})$	1632
20	$\mathcal{O}(0; \{2^7, 10, 20^2\})$	24
20	$\mathcal{O}(0; \{2^4, 4^2, 10, 20^2\})$	96
20	$\mathcal{O}(0; \{2, 4^4, 10, 20^2\})$	384
20	$\mathcal{O}(0; \{2^2, 5^2, 10^2, 20^2\})$	1640
20	$\mathcal{O}(0; \{5, 10^4, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^2, 4, 5, 10, 20^3\})$	1632
20	$\mathcal{O}(0; \{4, 10^3, 20^3\})$	6560
20	$\mathcal{O}(0; \{2^5, 20^4\})$	416
20	$\mathcal{O}(0; \{2^2, 4^2, 20^4\})$	1664
20	$\mathcal{O}(0; \{5^2, 10, 20^4\})$	26208
20	$\mathcal{O}(0; \{4, 5, 20^5\})$	26240
21	$\mathcal{O}(1; \{3^2, 7, 21^2\})$	79380
21	$\mathcal{O}(0; \{3^4, 7^4\})$	1116
21	$\mathcal{O}(0; \{3^5, 7, 21^2\})$	1260
21	$\mathcal{O}(0; \{3, 7^3, 21^3\})$	39996
21	$\mathcal{O}(0; \{3^2, 21^5\})$	46620
22	$\mathcal{O}(2; \{22^2\})$	2342560
22	$\mathcal{O}(1; \{2^4, 22^2\})$	4840
22	$\mathcal{O}(0; \{2^8, 22^2\})$	10
23	$\mathcal{O}(0; \{23^6\})$	4929562
24	$\mathcal{O}(1; \{2, 3^2, 8^2\})$	4608
24	$\mathcal{O}(1; \{8^2, 12^2\})$	18432
24	$\mathcal{O}(1; \{6, 8, 12, 24\})$	9216
24	$\mathcal{O}(1; \{2^2, 3, 24^2\})$	4608
24	$\mathcal{O}(1; \{6^2, 24^2\})$	13824
24	$\mathcal{O}(1; \{4, 12, 24^2\})$	18432
24	$\mathcal{O}(0; \{2^5, 3^2, 8^2\})$	8
24	$\mathcal{O}(0; \{2, 3^5, 8^2\})$	40
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 8^2\})$	32
24	$\mathcal{O}(0; \{2^2, 3^3, 6, 8^2\})$	24
24	$\mathcal{O}(0; \{2^3, 3, 6^2, 8^2\})$	8
24	$\mathcal{O}(0; \{3, 4^2, 6^2, 8^2\})$	32
24	$\mathcal{O}(0; \{3^2, 6^3, 8^2\})$	40
24	$\mathcal{O}(0; \{2, 6^4, 8^2\})$	24
24	$\mathcal{O}(0; \{3^2, 4, 8^4\})$	256

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Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^3, 3, 4, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{3, 4^3, 8^2, 12\})$	128
24	$\mathcal{O}(0; \{3^2, 4, 6, 8^2, 12\})$	96
24	$\mathcal{O}(0; \{2, 4, 6^2, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{2, 3, 8^4, 12\})$	256
24	$\mathcal{O}(0; \{2^4, 8^2, 12^2\})$	32
24	$\mathcal{O}(0; \{3^3, 8^2, 12^2\})$	160
24	$\mathcal{O}(0; \{2, 4^2, 8^2, 12^2\})$	128
24	$\mathcal{O}(0; \{2, 3, 6, 8^2, 12^2\})$	96
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 8, 24\})$	48
24	$\mathcal{O}(0; \{2^3, 3, 4, 6, 8, 24\})$	16
24	$\mathcal{O}(0; \{3, 4^3, 6, 8, 24\})$	64
24	$\mathcal{O}(0; \{3^2, 4, 6^2, 8, 24\})$	80
24	$\mathcal{O}(0; \{2, 4, 6^3, 8, 24\})$	48
24	$\mathcal{O}(0; \{3^3, 8^3, 24\})$	384
24	$\mathcal{O}(0; \{2, 3, 6, 8^3, 24\})$	128
24	$\mathcal{O}(0; \{2^3, 3^2, 8, 12, 24\})$	48
24	$\mathcal{O}(0; \{3^2, 4^2, 8, 12, 24\})$	192
24	$\mathcal{O}(0; \{2^4, 6, 8, 12, 24\})$	16
24	$\mathcal{O}(0; \{3^3, 6, 8, 12, 24\})$	176
24	$\mathcal{O}(0; \{2, 4^2, 6, 8, 12, 24\})$	64
24	$\mathcal{O}(0; \{2, 3, 6^2, 8, 12, 24\})$	80
24	$\mathcal{O}(0; \{2, 3, 4, 8, 12^2, 24\})$	192
24	$\mathcal{O}(0; \{2^2, 8, 12^3, 24\})$	192
24	$\mathcal{O}(0; \{2^6, 3, 24^2\})$	8
24	$\mathcal{O}(0; \{2^2, 3^4, 24^2\})$	88
24	$\mathcal{O}(0; \{2^3, 3, 4^2, 24^2\})$	32
24	$\mathcal{O}(0; \{3, 4^4, 24^2\})$	128
24	$\mathcal{O}(0; \{2^3, 3^2, 6, 24^2\})$	40
24	$\mathcal{O}(0; \{3^2, 4^2, 6, 24^2\})$	160
24	$\mathcal{O}(0; \{2^4, 6^2, 24^2\})$	24
24	$\mathcal{O}(0; \{3^3, 6^2, 24^2\})$	168
24	$\mathcal{O}(0; \{2, 4^2, 6^2, 24^2\})$	96
24	$\mathcal{O}(0; \{2, 3, 6^3, 24^2\})$	88
24	$\mathcal{O}(0; \{2, 3, 4, 8^2, 24^2\})$	256
24	$\mathcal{O}(0; \{2^4, 4, 12, 24^2\})$	32
24	$\mathcal{O}(0; \{3^3, 4, 12, 24^2\})$	352
24	$\mathcal{O}(0; \{2, 4^3, 12, 24^2\})$	128
24	$\mathcal{O}(0; \{2, 3, 4, 6, 12, 24^2\})$	160
24	$\mathcal{O}(0; \{2^2, 8^2, 12, 24^2\})$	256
24	$\mathcal{O}(0; \{2, 3^2, 12^2, 24^2\})$	352
24	$\mathcal{O}(0; \{2^2, 6, 12^2, 24^2\})$	160
24	$\mathcal{O}(0; \{12^4, 24^2\})$	1408

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Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3^2, 8, 24^3\})$	640
24	$\mathcal{O}(0; \{2^2, 6, 8, 24^3\})$	384
24	$\mathcal{O}(0; \{8, 12^2, 24^3\})$	2560
24	$\mathcal{O}(0; \{2^2, 4, 24^4\})$	768
24	$\mathcal{O}(0; \{8^2, 24^4\})$	6144
24	$\mathcal{O}(0; \{6, 12, 24^4\})$	2816
25	$\mathcal{O}(0; \{5^2, 25^4\})$	104000
26	$\mathcal{O}(1; \{2, 13^2, 26\})$	89232
26	$\mathcal{O}(0; \{2^5, 13^2, 26\})$	132
26	$\mathcal{O}(0; \{2^3, 13, 26^3\})$	1596
26	$\mathcal{O}(0; \{2, 26^3\})$	19140
27	$\mathcal{O}(0; \{3^2, 27^4\})$	17496
28	$\mathcal{O}(1; \{2, 4, 7, 28\})$	9408
28	$\mathcal{O}(0; \{2^2, 4^2, 7^3\})$	60
28	$\mathcal{O}(0; \{4^2, 7^2, 14^2\})$	372
28	$\mathcal{O}(0; \{2^5, 4, 7, 28\})$	12
28	$\mathcal{O}(0; \{2^2, 4^3, 7, 28\})$	48
28	$\mathcal{O}(0; \{2^3, 4, 14^2, 28\})$	60
28	$\mathcal{O}(0; \{4^3, 14^2, 28\})$	240
28	$\mathcal{O}(0; \{2, 7^2, 14, 28^2\})$	2220
28	$\mathcal{O}(0; \{2, 4, 14, 28^3\})$	1488
30	$\mathcal{O}(1; \{2^2, 15^2\})$	7200
30	$\mathcal{O}(1; \{15, 30^2\})$	21600
30	$\mathcal{O}(0; \{5^4, 6^2\})$	104
30	$\mathcal{O}(0; \{2, 3^4, 5, 10\})$	24
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 6, 10\})$	8
30	$\mathcal{O}(0; \{2^3, 5, 6^2, 10\})$	8
30	$\mathcal{O}(0; \{3, 5, 6^3, 10\})$	24
30	$\mathcal{O}(0; \{3^2, 6, 10^3\})$	24
30	$\mathcal{O}(0; \{2, 6^2, 10^3\})$	24
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2, 15\})$	24
30	$\mathcal{O}(0; \{2^3, 5^2, 6, 15\})$	24
30	$\mathcal{O}(0; \{3, 5^2, 6^2, 15\})$	72
30	$\mathcal{O}(0; \{3^2, 5, 10^2, 15\})$	104
30	$\mathcal{O}(0; \{2, 5, 6, 10^2, 15\})$	104
30	$\mathcal{O}(0; \{2^6, 15^2\})$	8
30	$\mathcal{O}(0; \{2^2, 3^3, 15^2\})$	40
30	$\mathcal{O}(0; \{2^3, 3, 6, 15^2\})$	24
30	$\mathcal{O}(0; \{3^2, 6^2, 15^2\})$	88
30	$\mathcal{O}(0; \{2, 6^3, 15^2\})$	40
30	$\mathcal{O}(0; \{2, 5^2, 10, 15^2\})$	408
30	$\mathcal{O}(0; \{2, 3, 10, 15^3\})$	312
30	$\mathcal{O}(0; \{3, 5^3, 6, 30\})$	104

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Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^2, 3^3, 10, 30\})$	24
30	$\mathcal{O}(0; \{2^3, 3, 6, 10, 30\})$	8
30	$\mathcal{O}(0; \{3^2, 6^2, 10, 30\})$	40
30	$\mathcal{O}(0; \{2, 6^3, 10, 30\})$	24
30	$\mathcal{O}(0; \{2^3, 3, 5, 15, 30\})$	24
30	$\mathcal{O}(0; \{3^2, 5, 6, 15, 30\})$	120
30	$\mathcal{O}(0; \{2, 5, 6^2, 15, 30\})$	72
30	$\mathcal{O}(0; \{2, 3, 10^2, 15, 30\})$	104
30	$\mathcal{O}(0; \{3^2, 5^2, 30^2\})$	312
30	$\mathcal{O}(0; \{2, 5^2, 6, 30^2\})$	104
30	$\mathcal{O}(0; \{2^4, 15, 30^2\})$	24
30	$\mathcal{O}(0; \{3^3, 15, 30^2\})$	264
30	$\mathcal{O}(0; \{2, 3, 6, 15, 30^2\})$	120
30	$\mathcal{O}(0; \{2, 3, 5, 30^3\})$	312
30	$\mathcal{O}(0; \{2^2, 30^4\})$	312
32	$\mathcal{O}(1; \{4, 32^2\})$	32768
32	$\mathcal{O}(0; \{2^4, 4, 32^2\})$	32
32	$\mathcal{O}(0; \{2, 4^3, 32^2\})$	128
32	$\mathcal{O}(0; \{2^2, 8^2, 32^2\})$	256
32	$\mathcal{O}(0; \{8, 16^2, 32^2\})$	4096
33	$\mathcal{O}(1; \{3, 33^2\})$	21780
33	$\mathcal{O}(0; \{3^4, 33^2\})$	220
35	$\mathcal{O}(0; \{5, 7^2, 35^2\})$	2232
36	$\mathcal{O}(0; \{4, 9^2, 12, 18\})$	72
36	$\mathcal{O}(0; \{2^2, 4^2, 18^2\})$	12
36	$\mathcal{O}(0; \{4, 6, 12, 18^2\})$	48
36	$\mathcal{O}(0; \{3, 12^2, 18^2\})$	96
36	$\mathcal{O}(0; \{4, 9^3, 36\})$	324
36	$\mathcal{O}(0; \{4, 6, 9, 18, 36\})$	72
36	$\mathcal{O}(0; \{3, 9, 12, 18, 36\})$	144
36	$\mathcal{O}(0; \{3, 9^2, 36^2\})$	648
36	$\mathcal{O}(0; \{2^3, 18, 36^2\})$	36
36	$\mathcal{O}(0; \{4^2, 18, 36^2\})$	144
36	$\mathcal{O}(0; \{3, 6, 18, 36^2\})$	144
36	$\mathcal{O}(0; \{2, 36^4\})$	1296
39	$\mathcal{O}(0; \{3^2, 13, 39^2\})$	792
40	$\mathcal{O}(0; \{5^3, 8^2\})$	48
40	$\mathcal{O}(0; \{2, 8^2, 20^2\})$	64
40	$\mathcal{O}(0; \{2^3, 5, 8, 40\})$	16
40	$\mathcal{O}(0; \{4^2, 5, 8, 40\})$	64
40	$\mathcal{O}(0; \{2, 8, 10^2, 40\})$	48
40	$\mathcal{O}(0; \{2, 5, 10, 40^2\})$	208
40	$\mathcal{O}(0; \{2, 4, 20, 40^2\})$	192

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Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
42	$\mathcal{O}(0; \{2^2, 3^2, 7^2\})$	12
42	$\mathcal{O}(0; \{3, 6^2, 7^2\})$	12
42	$\mathcal{O}(0; \{3^2, 7, 14^2\})$	60
42	$\mathcal{O}(0; \{2^3, 3, 14, 21\})$	12
42	$\mathcal{O}(0; \{3^2, 6, 14, 21\})$	36
42	$\mathcal{O}(0; \{2, 6^2, 14, 21\})$	12
42	$\mathcal{O}(0; \{2, 3, 21^2, 42\})$	180
42	$\mathcal{O}(0; \{2, 3, 14, 42^2\})$	60
43	$\mathcal{O}(2; \emptyset)$	3418800
44	$\mathcal{O}(1; \{44^2\})$	38720
44	$\mathcal{O}(0; \{2^4, 44^2\})$	20
44	$\mathcal{O}(0; \{2, 4^2, 44^2\})$	80
45	$\mathcal{O}(0; \{45^4\})$	8424
46	$\mathcal{O}(0; \{2^2, 23^3\})$	462
46	$\mathcal{O}(0; \{23^2, 46^2\})$	10186
48	$\mathcal{O}(0; \{16^2, 24^2\})$	256
48	$\mathcal{O}(0; \{12, 16, 24, 48\})$	128
48	$\mathcal{O}(0; \{2, 3^2, 48^2\})$	48
48	$\mathcal{O}(0; \{2^2, 6, 48^2\})$	16
48	$\mathcal{O}(0; \{12^2, 48^2\})$	192
48	$\mathcal{O}(0; \{8, 24, 48^2\})$	256
50	$\mathcal{O}(0; \{2^2, 5, 25^2\})$	80
50	$\mathcal{O}(0; \{10^2, 25^2\})$	320
50	$\mathcal{O}(0; \{5, 25, 50^2\})$	1200
52	$\mathcal{O}(0; \{2^2, 4, 13, 52\})$	24
52	$\mathcal{O}(0; \{4, 26^2, 52\})$	264
54	$\mathcal{O}(0; \{2^2, 3, 27^2\})$	36
54	$\mathcal{O}(0; \{6^2, 27^2\})$	72
54	$\mathcal{O}(0; \{3, 27, 54^2\})$	324
55	$\mathcal{O}(0; \{5^2, 55^2\})$	520
56	$\mathcal{O}(0; \{7, 8^2, 14\})$	24
56	$\mathcal{O}(0; \{4, 8, 14, 56\})$	48
60	$\mathcal{O}(0; \{5^2, 12^2\})$	16
60	$\mathcal{O}(0; \{3, 10, 12, 20\})$	16
60	$\mathcal{O}(0; \{4, 5, 12, 30\})$	16
60	$\mathcal{O}(0; \{4^2, 30^2\})$	16
60	$\mathcal{O}(0; \{3, 6, 20, 60\})$	16
60	$\mathcal{O}(0; \{3, 5, 60^2\})$	48
60	$\mathcal{O}(0; \{2, 30, 60^2\})$	48
64	$\mathcal{O}(0; \{2, 8, 64^2\})$	128
66	$\mathcal{O}(0; \{3^2, 66^2\})$	60
66	$\mathcal{O}(0; \{2, 6, 66^2\})$	20
69	$\mathcal{O}(0; \{3^2, 23^2\})$	44

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Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
70	$\mathcal{O}(0; \{2, 7, 10, 35\})$	24
78	$\mathcal{O}(0; \{2, 3, 26, 39\})$	24
86	$\mathcal{O}(1; \{2^2\})$	7392
88	$\mathcal{O}(0; \{2^2, 88^2\})$	40
89	$\mathcal{O}(0; \{89^3\})$	7656
90	$\mathcal{O}(0; \{2^2, 45^2\})$	24
90	$\mathcal{O}(0; \{45, 90^2\})$	216
92	$\mathcal{O}(0; \{23, 92^2\})$	924
96	$\mathcal{O}(0; \{12, 96^2\})$	64
99	$\mathcal{O}(0; \{9, 99^2\})$	180
104	$\mathcal{O}(0; \{8, 26, 104\})$	48
110	$\mathcal{O}(0; \{5, 110^2\})$	120
115	$\mathcal{O}(0; \{5, 23, 115\})$	88
132	$\mathcal{O}(0; \{3, 132^2\})$	40
176	$\mathcal{O}(0; \{2, 176^2\})$	80
178	$\mathcal{O}(0; \{2, 89, 178\})$	88

Table 5: 45-admissible orbifolds.

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(45; \emptyset)$	1
2	$\mathcal{O}(23; \emptyset)$	70368744177663
2	$\mathcal{O}(22; \{2^4\})$	17592186044416
2	$\mathcal{O}(21; \{2^8\})$	4398046511104
2	$\mathcal{O}(20; \{2^{12}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{16}\})$	274877906944
2	$\mathcal{O}(18; \{2^{20}\})$	68719476736
2	$\mathcal{O}(17; \{2^{24}\})$	17179869184
2	$\mathcal{O}(16; \{2^{28}\})$	4294967296
2	$\mathcal{O}(15; \{2^{32}\})$	1073741824
2	$\mathcal{O}(14; \{2^{36}\})$	268435456
2	$\mathcal{O}(13; \{2^{40}\})$	67108864
2	$\mathcal{O}(12; \{2^{44}\})$	16777216
2	$\mathcal{O}(11; \{2^{48}\})$	4194304
2	$\mathcal{O}(10; \{2^{52}\})$	1048576
2	$\mathcal{O}(9; \{2^{56}\})$	262144
2	$\mathcal{O}(8; \{2^{60}\})$	65536
2	$\mathcal{O}(7; \{2^{64}\})$	16384
2	$\mathcal{O}(6; \{2^{68}\})$	4096
2	$\mathcal{O}(5; \{2^{72}\})$	1024

Continued on next page

Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(4; \{2^{76}\})$	256
2	$\mathcal{O}(3; \{2^{80}\})$	64
2	$\mathcal{O}(2; \{2^{84}\})$	16
2	$\mathcal{O}(1; \{2^{88}\})$	4
2	$\mathcal{O}(0; \{2^{92}\})$	1
3	$\mathcal{O}(15; \{3^2\})$	411782264189298
3	$\mathcal{O}(14; \{3^5\})$	228767924549610
3	$\mathcal{O}(13; \{3^8\})$	218600461236294
3	$\mathcal{O}(12; \{3^{11}\})$	192616943880042
3	$\mathcal{O}(11; \{3^{14}\})$	171403347584358
3	$\mathcal{O}(10; \{3^{17}\})$	152337610479690
3	$\mathcal{O}(9; \{3^{20}\})$	135413533838214
3	$\mathcal{O}(8; \{3^{23}\})$	120367327353642
3	$\mathcal{O}(7; \{3^{26}\})$	106993208567718
3	$\mathcal{O}(6; \{3^{29}\})$	95105071093770
3	$\mathcal{O}(5; \{3^{32}\})$	84537841326534
3	$\mathcal{O}(4; \{3^{35}\})$	75144747806442
3	$\mathcal{O}(3; \{3^{38}\})$	66795331387878
3	$\mathcal{O}(2; \{3^{41}\})$	59373627899850
3	$\mathcal{O}(1; \{3^{44}\})$	52776558133254
3	$\mathcal{O}(0; \{3^{47}\})$	46912496118442
4	$\mathcal{O}(12; \emptyset)$	281474959933440
4	$\mathcal{O}(11; \{2^4\})$	17592181850112
4	$\mathcal{O}(11; \{2, 4^2\})$	35184372088832
4	$\mathcal{O}(10; \{2^8\})$	1099510579200
4	$\mathcal{O}(10; \{2^5, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{2^2, 4^4\})$	8796093022208
4	$\mathcal{O}(9; \{2^{12}\})$	68719214592
4	$\mathcal{O}(9; \{2^9, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^6, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^3, 4^6\})$	2199023255552
4	$\mathcal{O}(9; \{4^8\})$	8796093022208
4	$\mathcal{O}(8; \{2^{16}\})$	4294901760
4	$\mathcal{O}(8; \{2^{13}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{10}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^7, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^4, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2, 4^{10}\})$	2199023255552
4	$\mathcal{O}(7; \{2^{20}\})$	268419072
4	$\mathcal{O}(7; \{2^{17}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{14}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{11}, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^8, 4^8\})$	34359738368

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(7; \{2^5, 4^{10}\})$	137438953472
4	$\mathcal{O}(7; \{2^2, 4^{12}\})$	549755813888
4	$\mathcal{O}(6; \{2^{24}\})$	16773120
4	$\mathcal{O}(6; \{2^{21}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{18}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{15}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^{12}, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^9, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^6, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{2^3, 4^{14}\})$	137438953472
4	$\mathcal{O}(6; \{4^{16}\})$	549755813888
4	$\mathcal{O}(5; \{2^{28}\})$	1047552
4	$\mathcal{O}(5; \{2^{25}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^{22}, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^{19}, 4^6\})$	33554432
4	$\mathcal{O}(5; \{2^{16}, 4^8\})$	134217728
4	$\mathcal{O}(5; \{2^{13}, 4^{10}\})$	536870912
4	$\mathcal{O}(5; \{2^{10}, 4^{12}\})$	2147483648
4	$\mathcal{O}(5; \{2^7, 4^{14}\})$	8589934592
4	$\mathcal{O}(5; \{2^4, 4^{16}\})$	34359738368
4	$\mathcal{O}(5; \{2, 4^{18}\})$	137438953472
4	$\mathcal{O}(4; \{2^{32}\})$	65280
4	$\mathcal{O}(4; \{2^{29}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{26}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{23}, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^{20}, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^{17}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{14}, 4^{12}\})$	134217728
4	$\mathcal{O}(4; \{2^{11}, 4^{14}\})$	536870912
4	$\mathcal{O}(4; \{2^8, 4^{16}\})$	2147483648
4	$\mathcal{O}(4; \{2^5, 4^{18}\})$	8589934592
4	$\mathcal{O}(4; \{2^2, 4^{20}\})$	34359738368
4	$\mathcal{O}(3; \{2^{36}\})$	4032
4	$\mathcal{O}(3; \{2^{33}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{30}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{27}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{24}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{21}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{18}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{15}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{12}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^9, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^6, 4^{20}\})$	2147483648

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(3; \{2^3, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{4^{24}\})$	34359738368
4	$\mathcal{O}(2; \{2^{40}\})$	240
4	$\mathcal{O}(2; \{2^{37}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{34}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{31}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{28}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{25}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{22}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{19}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{16}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{13}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{10}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^7, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^4, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2, 4^{26}\})$	8589934592
4	$\mathcal{O}(1; \{2^{44}\})$	12
4	$\mathcal{O}(1; \{2^{41}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{38}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{35}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{32}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{29}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{26}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{23}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{20}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{17}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{14}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{11}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^8, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^5, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^2, 4^{28}\})$	2147483648
4	$\mathcal{O}(0; \{2^{45}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{42}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{39}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{36}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{33}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{30}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{27}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{24}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{21}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{18}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{15}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{12}, 4^{24}\})$	8388608

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(0; \{2^9, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^6, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2^3, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{4^{32}\})$	2147483648
5	$\mathcal{O}(9; \{5^2\})$	15258789062500
5	$\mathcal{O}(7; \{5^7\})$	19995117187500
5	$\mathcal{O}(5; \{5^{12}\})$	32768007812500
5	$\mathcal{O}(3; \{5^{17}\})$	53687091187500
5	$\mathcal{O}(1; \{5^{22}\})$	87960930222100
6	$\mathcal{O}(7; \{3^4\})$	470156286762
6	$\mathcal{O}(7; \{2, 3^2, 6\})$	156728328192
6	$\mathcal{O}(7; \{2^2, 6^2\})$	156728328192
6	$\mathcal{O}(6; \{2^4, 3^4\})$	13060694016
6	$\mathcal{O}(6; \{3^7\})$	91402537590
6	$\mathcal{O}(6; \{2^5, 3^2, 6\})$	4353564672
6	$\mathcal{O}(6; \{2, 3^5, 6\})$	47889211392
6	$\mathcal{O}(6; \{2^6, 6^2\})$	4353564672
6	$\mathcal{O}(6; \{2^2, 3^3, 6^2\})$	21767823360
6	$\mathcal{O}(6; \{2^3, 3, 6^3\})$	13060694016
6	$\mathcal{O}(6; \{3^2, 6^4\})$	47889211392
6	$\mathcal{O}(6; \{2, 6^5\})$	21767823360
6	$\mathcal{O}(5; \{2^8, 3^4\})$	362797056
6	$\mathcal{O}(5; \{2^4, 3^7\})$	2539579392
6	$\mathcal{O}(5; \{3^{10}\})$	20659237434
6	$\mathcal{O}(5; \{2^9, 3^2, 6\})$	120932352
6	$\mathcal{O}(5; \{2^5, 3^5, 6\})$	1330255872
6	$\mathcal{O}(5; \{2, 3^8, 6\})$	10279249920
6	$\mathcal{O}(5; \{2^{10}, 6^2\})$	120932352
6	$\mathcal{O}(5; \{2^6, 3^3, 6^2\})$	604661760
6	$\mathcal{O}(5; \{2^2, 3^6, 6^2\})$	5200091136
6	$\mathcal{O}(5; \{2^7, 3, 6^3\})$	362797056
6	$\mathcal{O}(5; \{2^3, 3^4, 6^3\})$	2539579392
6	$\mathcal{O}(5; \{2^4, 3^2, 6^4\})$	1330255872
6	$\mathcal{O}(5; \{3^5, 6^4\})$	10279249920
6	$\mathcal{O}(5; \{2^5, 6^5\})$	604661760
6	$\mathcal{O}(5; \{2, 3^3, 6^5\})$	5200091136
6	$\mathcal{O}(5; \{2^2, 3, 6^6\})$	2539579392
6	$\mathcal{O}(5; \{6^8\})$	5200091136
6	$\mathcal{O}(4; \{2^{12}, 3^4\})$	10077696
6	$\mathcal{O}(4; \{2^8, 3^7\})$	70543872
6	$\mathcal{O}(4; \{2^4, 3^{10}\})$	574428672
6	$\mathcal{O}(4; \{3^{13}\})$	4567440150
6	$\mathcal{O}(4; \{2^{13}, 3^2, 6\})$	3359232

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^9, 3^5, 6\})$	36951552
6	$\mathcal{O}(4; \{2^5, 3^8, 6\})$	285534720
6	$\mathcal{O}(4; \{2, 3^{11}, 6\})$	2294355456
6	$\mathcal{O}(4; \{2^{14}, 6^2\})$	3359232
6	$\mathcal{O}(4; \{2^{10}, 3^3, 6^2\})$	16796160
6	$\mathcal{O}(4; \{2^6, 3^6, 6^2\})$	144446976
6	$\mathcal{O}(4; \{2^2, 3^9, 6^2\})$	1145498112
6	$\mathcal{O}(4; \{2^{11}, 3, 6^3\})$	10077696
6	$\mathcal{O}(4; \{2^7, 3^4, 6^3\})$	70543872
6	$\mathcal{O}(4; \{2^3, 3^7, 6^3\})$	574428672
6	$\mathcal{O}(4; \{2^8, 3^2, 6^4\})$	36951552
6	$\mathcal{O}(4; \{2^4, 3^5, 6^4\})$	285534720
6	$\mathcal{O}(4; \{3^8, 6^4\})$	2294355456
6	$\mathcal{O}(4; \{2^9, 6^5\})$	16796160
6	$\mathcal{O}(4; \{2^5, 3^3, 6^5\})$	144446976
6	$\mathcal{O}(4; \{2, 3^6, 6^5\})$	1145498112
6	$\mathcal{O}(4; \{2^6, 3, 6^6\})$	70543872
6	$\mathcal{O}(4; \{2^2, 3^4, 6^6\})$	574428672
6	$\mathcal{O}(4; \{2^3, 3^2, 6^7\})$	285534720
6	$\mathcal{O}(4; \{2^4, 6^8\})$	144446976
6	$\mathcal{O}(4; \{3^3, 6^8\})$	1145498112
6	$\mathcal{O}(4; \{2, 3, 6^9\})$	574428672
6	$\mathcal{O}(3; \{2^{16}, 3^4\})$	279936
6	$\mathcal{O}(3; \{2^{12}, 3^7\})$	1959552
6	$\mathcal{O}(3; \{2^8, 3^{10}\})$	15956352
6	$\mathcal{O}(3; \{2^4, 3^{13}\})$	127370880
6	$\mathcal{O}(3; \{3^{16}\})$	1003321242
6	$\mathcal{O}(3; \{2^{17}, 3^2, 6\})$	93312
6	$\mathcal{O}(3; \{2^{13}, 3^5, 6\})$	1026432
6	$\mathcal{O}(3; \{2^9, 3^8, 6\})$	7931520
6	$\mathcal{O}(3; \{2^5, 3^{11}, 6\})$	63732096
6	$\mathcal{O}(3; \{2, 3^{14}, 6\})$	509576832
6	$\mathcal{O}(3; \{2^{18}, 6^2\})$	93312
6	$\mathcal{O}(3; \{2^{14}, 3^3, 6^2\})$	466560
6	$\mathcal{O}(3; \{2^{10}, 3^6, 6^2\})$	4012416
6	$\mathcal{O}(3; \{2^6, 3^9, 6^2\})$	31819392
6	$\mathcal{O}(3; \{2^2, 3^{12}, 6^2\})$	254835072
6	$\mathcal{O}(3; \{2^{15}, 3, 6^3\})$	279936
6	$\mathcal{O}(3; \{2^{11}, 3^4, 6^3\})$	1959552
6	$\mathcal{O}(3; \{2^7, 3^7, 6^3\})$	15956352
6	$\mathcal{O}(3; \{2^3, 3^{10}, 6^3\})$	127370880
6	$\mathcal{O}(3; \{2^{12}, 3^2, 6^4\})$	1026432
6	$\mathcal{O}(3; \{2^8, 3^5, 6^4\})$	7931520

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^4, 3^8, 6^4\})$	63732096
6	$\mathcal{O}(3; \{3^{11}, 6^4\})$	509576832
6	$\mathcal{O}(3; \{2^{13}, 6^5\})$	466560
6	$\mathcal{O}(3; \{2^9, 3^3, 6^5\})$	4012416
6	$\mathcal{O}(3; \{2^5, 3^6, 6^5\})$	31819392
6	$\mathcal{O}(3; \{2, 3^9, 6^5\})$	254835072
6	$\mathcal{O}(3; \{2^{10}, 3, 6^6\})$	1959552
6	$\mathcal{O}(3; \{2^6, 3^4, 6^6\})$	15956352
6	$\mathcal{O}(3; \{2^2, 3^7, 6^6\})$	127370880
6	$\mathcal{O}(3; \{2^7, 3^2, 6^7\})$	7931520
6	$\mathcal{O}(3; \{2^3, 3^5, 6^7\})$	63732096
6	$\mathcal{O}(3; \{2^8, 6^8\})$	4012416
6	$\mathcal{O}(3; \{2^4, 3^3, 6^8\})$	31819392
6	$\mathcal{O}(3; \{3^6, 6^8\})$	254835072
6	$\mathcal{O}(3; \{2^5, 3, 6^9\})$	15956352
6	$\mathcal{O}(3; \{2, 3^4, 6^9\})$	127370880
6	$\mathcal{O}(3; \{2^2, 3^2, 6^{10}\})$	63732096
6	$\mathcal{O}(3; \{2^3, 6^{11}\})$	31819392
6	$\mathcal{O}(3; \{3, 6^{12}\})$	127370880
6	$\mathcal{O}(2; \{2^{20}, 3^4\})$	7776
6	$\mathcal{O}(2; \{2^{16}, 3^7\})$	54432
6	$\mathcal{O}(2; \{2^{12}, 3^{10}\})$	443232
6	$\mathcal{O}(2; \{2^8, 3^{13}\})$	3538080
6	$\mathcal{O}(2; \{2^4, 3^{16}\})$	28312416
6	$\mathcal{O}(2; \{3^{19}\})$	212335830
6	$\mathcal{O}(2; \{2^{21}, 3^2, 6\})$	2592
6	$\mathcal{O}(2; \{2^{17}, 3^5, 6\})$	28512
6	$\mathcal{O}(2; \{2^{13}, 3^8, 6\})$	220320
6	$\mathcal{O}(2; \{2^9, 3^{11}, 6\})$	1770336
6	$\mathcal{O}(2; \{2^5, 3^{14}, 6\})$	14154912
6	$\mathcal{O}(2; \{2, 3^{17}, 6\})$	113247072
6	$\mathcal{O}(2; \{2^{22}, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^{18}, 3^3, 6^2\})$	12960
6	$\mathcal{O}(2; \{2^{14}, 3^6, 6^2\})$	111456
6	$\mathcal{O}(2; \{2^{10}, 3^9, 6^2\})$	883872
6	$\mathcal{O}(2; \{2^6, 3^{12}, 6^2\})$	7078752
6	$\mathcal{O}(2; \{2^2, 3^{15}, 6^2\})$	56622240
6	$\mathcal{O}(2; \{2^{19}, 3, 6^3\})$	7776
6	$\mathcal{O}(2; \{2^{15}, 3^4, 6^3\})$	54432
6	$\mathcal{O}(2; \{2^{11}, 3^7, 6^3\})$	443232
6	$\mathcal{O}(2; \{2^7, 3^{10}, 6^3\})$	3538080
6	$\mathcal{O}(2; \{2^3, 3^{13}, 6^3\})$	28312416
6	$\mathcal{O}(2; \{2^{16}, 3^2, 6^4\})$	28512

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{12}, 3^5, 6^4\})$	220320
6	$\mathcal{O}(2; \{2^8, 3^8, 6^4\})$	1770336
6	$\mathcal{O}(2; \{2^4, 3^{11}, 6^4\})$	14154912
6	$\mathcal{O}(2; \{3^{14}, 6^4\})$	113247072
6	$\mathcal{O}(2; \{2^{17}, 6^5\})$	12960
6	$\mathcal{O}(2; \{2^{13}, 3^3, 6^5\})$	111456
6	$\mathcal{O}(2; \{2^9, 3^6, 6^5\})$	883872
6	$\mathcal{O}(2; \{2^5, 3^9, 6^5\})$	7078752
6	$\mathcal{O}(2; \{2, 3^{12}, 6^5\})$	56622240
6	$\mathcal{O}(2; \{2^{14}, 3, 6^6\})$	54432
6	$\mathcal{O}(2; \{2^{10}, 3^4, 6^6\})$	443232
6	$\mathcal{O}(2; \{2^6, 3^7, 6^6\})$	3538080
6	$\mathcal{O}(2; \{2^2, 3^{10}, 6^6\})$	28312416
6	$\mathcal{O}(2; \{2^{11}, 3^2, 6^7\})$	220320
6	$\mathcal{O}(2; \{2^7, 3^5, 6^7\})$	1770336
6	$\mathcal{O}(2; \{2^3, 3^8, 6^7\})$	14154912
6	$\mathcal{O}(2; \{2^{12}, 6^8\})$	111456
6	$\mathcal{O}(2; \{2^8, 3^3, 6^8\})$	883872
6	$\mathcal{O}(2; \{2^4, 3^6, 6^8\})$	7078752
6	$\mathcal{O}(2; \{3^9, 6^8\})$	56622240
6	$\mathcal{O}(2; \{2^9, 3, 6^9\})$	443232
6	$\mathcal{O}(2; \{2^5, 3^4, 6^9\})$	3538080
6	$\mathcal{O}(2; \{2, 3^7, 6^9\})$	28312416
6	$\mathcal{O}(2; \{2^6, 3^2, 6^{10}\})$	1770336
6	$\mathcal{O}(2; \{2^2, 3^5, 6^{10}\})$	14154912
6	$\mathcal{O}(2; \{2^7, 6^{11}\})$	883872
6	$\mathcal{O}(2; \{2^3, 3^3, 6^{11}\})$	7078752
6	$\mathcal{O}(2; \{2^4, 3, 6^{12}\})$	3538080
6	$\mathcal{O}(2; \{3^4, 6^{12}\})$	28312416
6	$\mathcal{O}(2; \{2, 3^2, 6^{13}\})$	14154912
6	$\mathcal{O}(2; \{2^2, 6^{14}\})$	7078752
6	$\mathcal{O}(1; \{2^{24}, 3^4\})$	216
6	$\mathcal{O}(1; \{2^{20}, 3^7\})$	1512
6	$\mathcal{O}(1; \{2^{16}, 3^{10}\})$	12312
6	$\mathcal{O}(1; \{2^{12}, 3^{13}\})$	98280
6	$\mathcal{O}(1; \{2^8, 3^{16}\})$	786456
6	$\mathcal{O}(1; \{2^4, 3^{19}\})$	6291432
6	$\mathcal{O}(1; \{3^{22}\})$	37748754
6	$\mathcal{O}(1; \{2^{25}, 3^2, 6\})$	72
6	$\mathcal{O}(1; \{2^{21}, 3^5, 6\})$	792
6	$\mathcal{O}(1; \{2^{17}, 3^8, 6\})$	6120
6	$\mathcal{O}(1; \{2^{13}, 3^{11}, 6\})$	49176
6	$\mathcal{O}(1; \{2^9, 3^{14}, 6\})$	393192

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Table 5 – continued from previous page

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

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^5, 3^7, 6^9\})$	786456
6	$\mathcal{O}(1; \{2, 3^{10}, 6^9\})$	6291432
6	$\mathcal{O}(1; \{2^{10}, 3^2, 6^{10}\})$	49176
6	$\mathcal{O}(1; \{2^6, 3^5, 6^{10}\})$	393192
6	$\mathcal{O}(1; \{2^2, 3^8, 6^{10}\})$	3145752
6	$\mathcal{O}(1; \{2^{11}, 6^{11}\})$	24552
6	$\mathcal{O}(1; \{2^7, 3^3, 6^{11}\})$	196632
6	$\mathcal{O}(1; \{2^3, 3^6, 6^{11}\})$	1572840
6	$\mathcal{O}(1; \{2^8, 3, 6^{12}\})$	98280
6	$\mathcal{O}(1; \{2^4, 3^4, 6^{12}\})$	786456
6	$\mathcal{O}(1; \{3^7, 6^{12}\})$	6291432
6	$\mathcal{O}(1; \{2^5, 3^2, 6^{13}\})$	393192
6	$\mathcal{O}(1; \{2, 3^5, 6^{13}\})$	3145752
6	$\mathcal{O}(1; \{2^6, 6^{14}\})$	196632
6	$\mathcal{O}(1; \{2^2, 3^3, 6^{14}\})$	1572840
6	$\mathcal{O}(1; \{2^3, 3, 6^{15}\})$	786456
6	$\mathcal{O}(1; \{3^2, 6^{16}\})$	3145752
6	$\mathcal{O}(1; \{2, 6^{17}\})$	1572840
6	$\mathcal{O}(0; \{2^{28}, 3^4\})$	6
6	$\mathcal{O}(0; \{2^{24}, 3^7\})$	42
6	$\mathcal{O}(0; \{2^{20}, 3^{10}\})$	342
6	$\mathcal{O}(0; \{2^{16}, 3^{13}\})$	2730
6	$\mathcal{O}(0; \{2^{12}, 3^{16}\})$	21846
6	$\mathcal{O}(0; \{2^8, 3^{19}\})$	174762
6	$\mathcal{O}(0; \{2^4, 3^{22}\})$	1398102
6	$\mathcal{O}(0; \{2^{29}, 3^2, 6\})$	2
6	$\mathcal{O}(0; \{2^{25}, 3^5, 6\})$	22
6	$\mathcal{O}(0; \{2^{21}, 3^8, 6\})$	170
6	$\mathcal{O}(0; \{2^{17}, 3^{11}, 6\})$	1366
6	$\mathcal{O}(0; \{2^{13}, 3^{14}, 6\})$	10922
6	$\mathcal{O}(0; \{2^9, 3^{17}, 6\})$	87382
6	$\mathcal{O}(0; \{2^5, 3^{20}, 6\})$	699050
6	$\mathcal{O}(0; \{2, 3^{23}, 6\})$	5592406
6	$\mathcal{O}(0; \{2^{30}, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{26}, 3^3, 6^2\})$	10
6	$\mathcal{O}(0; \{2^{22}, 3^6, 6^2\})$	86
6	$\mathcal{O}(0; \{2^{18}, 3^9, 6^2\})$	682
6	$\mathcal{O}(0; \{2^{14}, 3^{12}, 6^2\})$	5462
6	$\mathcal{O}(0; \{2^{10}, 3^{15}, 6^2\})$	43690
6	$\mathcal{O}(0; \{2^6, 3^{18}, 6^2\})$	349526
6	$\mathcal{O}(0; \{2^2, 3^{21}, 6^2\})$	2796202
6	$\mathcal{O}(0; \{2^{27}, 3, 6^3\})$	6
6	$\mathcal{O}(0; \{2^{23}, 3^4, 6^3\})$	42

Continued on next page

Table 5 – continued from previous page

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

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^6, 3^8, 6^{10}\})$	87382
6	$\mathcal{O}(0; \{2^2, 3^{11}, 6^{10}\})$	699050
6	$\mathcal{O}(0; \{2^{15}, 6^{11}\})$	682
6	$\mathcal{O}(0; \{2^{11}, 3^3, 6^{11}\})$	5462
6	$\mathcal{O}(0; \{2^7, 3^6, 6^{11}\})$	43690
6	$\mathcal{O}(0; \{2^3, 3^9, 6^{11}\})$	349526
6	$\mathcal{O}(0; \{2^{12}, 3, 6^{12}\})$	2730
6	$\mathcal{O}(0; \{2^8, 3^4, 6^{12}\})$	21846
6	$\mathcal{O}(0; \{2^4, 3^7, 6^{12}\})$	174762
6	$\mathcal{O}(0; \{3^{10}, 6^{12}\})$	1398102
6	$\mathcal{O}(0; \{2^9, 3^2, 6^{13}\})$	10922
6	$\mathcal{O}(0; \{2^5, 3^5, 6^{13}\})$	87382
6	$\mathcal{O}(0; \{2, 3^8, 6^{13}\})$	699050
6	$\mathcal{O}(0; \{2^{10}, 6^{14}\})$	5462
6	$\mathcal{O}(0; \{2^6, 3^3, 6^{14}\})$	43690
6	$\mathcal{O}(0; \{2^2, 3^6, 6^{14}\})$	349526
6	$\mathcal{O}(0; \{2^7, 3, 6^{15}\})$	21846
6	$\mathcal{O}(0; \{2^3, 3^4, 6^{15}\})$	174762
6	$\mathcal{O}(0; \{2^4, 3^2, 6^{16}\})$	87382
6	$\mathcal{O}(0; \{3^5, 6^{16}\})$	699050
6	$\mathcal{O}(0; \{2^5, 6^{17}\})$	43690
6	$\mathcal{O}(0; \{2, 3^3, 6^{17}\})$	349526
6	$\mathcal{O}(0; \{2^2, 3, 6^{18}\})$	174762
6	$\mathcal{O}(0; \{6^{20}\})$	349526
7	$\mathcal{O}(6; \{7^3\})$	415238616030
7	$\mathcal{O}(3; \{7^{10}\})$	1016255120874
7	$\mathcal{O}(0; \{7^{17}\})$	2418094206390
8	$\mathcal{O}(6; \{2^2\})$	68702699520
8	$\mathcal{O}(5; \{2^6\})$	1072693248
8	$\mathcal{O}(5; \{2^3, 4^2\})$	2145386496
8	$\mathcal{O}(5; \{4^4\})$	8581545984
8	$\mathcal{O}(5; \{2, 4, 8^2\})$	8589934592
8	$\mathcal{O}(4; \{2^{10}\})$	16711680
8	$\mathcal{O}(4; \{2^7, 4^2\})$	33423360
8	$\mathcal{O}(4; \{2^4, 4^4\})$	133693440
8	$\mathcal{O}(4; \{2, 4^6\})$	534773760
8	$\mathcal{O}(4; \{2^5, 4, 8^2\})$	134217728
8	$\mathcal{O}(4; \{2^2, 4^3, 8^2\})$	536870912
8	$\mathcal{O}(4; \{2^3, 8^4\})$	1073741824
8	$\mathcal{O}(4; \{4^2, 8^4\})$	4294967296
8	$\mathcal{O}(3; \{2^{14}\})$	258048
8	$\mathcal{O}(3; \{2^{11}, 4^2\})$	516096
8	$\mathcal{O}(3; \{2^8, 4^4\})$	2064384

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{2^5, 4^6\})$	8257536
8	$\mathcal{O}(3; \{2^2, 4^8\})$	33030144
8	$\mathcal{O}(3; \{2^9, 4, 8^2\})$	2097152
8	$\mathcal{O}(3; \{2^6, 4^3, 8^2\})$	8388608
8	$\mathcal{O}(3; \{2^3, 4^5, 8^2\})$	33554432
8	$\mathcal{O}(3; \{4^7, 8^2\})$	134217728
8	$\mathcal{O}(3; \{2^7, 8^4\})$	16777216
8	$\mathcal{O}(3; \{2^4, 4^2, 8^4\})$	67108864
8	$\mathcal{O}(3; \{2, 4^4, 8^4\})$	268435456
8	$\mathcal{O}(3; \{2^2, 4, 8^6\})$	536870912
8	$\mathcal{O}(3; \{8^8\})$	4294967296
8	$\mathcal{O}(2; \{2^{18}\})$	3840
8	$\mathcal{O}(2; \{2^{15}, 4^2\})$	7680
8	$\mathcal{O}(2; \{2^{12}, 4^4\})$	30720
8	$\mathcal{O}(2; \{2^9, 4^6\})$	122880
8	$\mathcal{O}(2; \{2^6, 4^8\})$	491520
8	$\mathcal{O}(2; \{2^3, 4^{10}\})$	1966080
8	$\mathcal{O}(2; \{4^{12}\})$	7864320
8	$\mathcal{O}(2; \{2^{13}, 4, 8^2\})$	32768
8	$\mathcal{O}(2; \{2^{10}, 4^3, 8^2\})$	131072
8	$\mathcal{O}(2; \{2^7, 4^5, 8^2\})$	524288
8	$\mathcal{O}(2; \{2^4, 4^7, 8^2\})$	2097152
8	$\mathcal{O}(2; \{2, 4^9, 8^2\})$	8388608
8	$\mathcal{O}(2; \{2^{11}, 8^4\})$	262144
8	$\mathcal{O}(2; \{2^8, 4^2, 8^4\})$	1048576
8	$\mathcal{O}(2; \{2^5, 4^4, 8^4\})$	4194304
8	$\mathcal{O}(2; \{2^2, 4^6, 8^4\})$	16777216
8	$\mathcal{O}(2; \{2^6, 4, 8^6\})$	8388608
8	$\mathcal{O}(2; \{2^3, 4^3, 8^6\})$	33554432
8	$\mathcal{O}(2; \{4^5, 8^6\})$	134217728
8	$\mathcal{O}(2; \{2^4, 8^8\})$	67108864
8	$\mathcal{O}(2; \{2, 4^2, 8^8\})$	268435456
8	$\mathcal{O}(1; \{2^{22}\})$	48
8	$\mathcal{O}(1; \{2^{19}, 4^2\})$	96
8	$\mathcal{O}(1; \{2^{16}, 4^4\})$	384
8	$\mathcal{O}(1; \{2^{13}, 4^6\})$	1536
8	$\mathcal{O}(1; \{2^{10}, 4^8\})$	6144
8	$\mathcal{O}(1; \{2^7, 4^{10}\})$	24576
8	$\mathcal{O}(1; \{2^4, 4^{12}\})$	98304
8	$\mathcal{O}(1; \{2, 4^{14}\})$	393216
8	$\mathcal{O}(1; \{2^{17}, 4, 8^2\})$	512
8	$\mathcal{O}(1; \{2^{14}, 4^3, 8^2\})$	2048
8	$\mathcal{O}(1; \{2^{11}, 4^5, 8^2\})$	8192

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Table 5 – continued from previous page

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

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{4^8, 8^8\})$	4194304
8	$\mathcal{O}(0; \{2^7, 4, 8^{10}\})$	524288
8	$\mathcal{O}(0; \{2^4, 4^3, 8^{10}\})$	2097152
8	$\mathcal{O}(0; \{2, 4^5, 8^{10}\})$	8388608
8	$\mathcal{O}(0; \{2^5, 8^{12}\})$	4194304
8	$\mathcal{O}(0; \{2^2, 4^2, 8^{12}\})$	16777216
8	$\mathcal{O}(0; \{4, 8^{14}\})$	134217728
9	$\mathcal{O}(5; \{9^2\})$	20920706406
9	$\mathcal{O}(4; \{3^3, 9^2\})$	2066242608
9	$\mathcal{O}(3; \{3^6, 9^2\})$	204073344
9	$\mathcal{O}(3; \{3^2, 9^5\})$	1721868840
9	$\mathcal{O}(2; \{3^9, 9^2\})$	20155392
9	$\mathcal{O}(2; \{3^5, 9^5\})$	170061120
9	$\mathcal{O}(2; \{3, 9^8\})$	2468012004
9	$\mathcal{O}(1; \{3^{12}, 9^2\})$	1990656
9	$\mathcal{O}(1; \{3^8, 9^5\})$	16796160
9	$\mathcal{O}(1; \{3^4, 9^8\})$	243754272
9	$\mathcal{O}(1; \{9^{11}\})$	3261984858
9	$\mathcal{O}(0; \{3^{15}, 9^2\})$	196608
9	$\mathcal{O}(0; \{3^{11}, 9^5\})$	1658880
9	$\mathcal{O}(0; \{3^7, 9^8\})$	24074496
9	$\mathcal{O}(0; \{3^3, 9^{11}\})$	322171344
10	$\mathcal{O}(4; \{2^2, 10^2\})$	400000000
10	$\mathcal{O}(3; \{5^6\})$	807187500
10	$\mathcal{O}(3; \{2^3, 5^3, 10\})$	52000000
10	$\mathcal{O}(3; \{2^6, 10^2\})$	4000000
10	$\mathcal{O}(3; \{2, 5^2, 10^3\})$	204000000
10	$\mathcal{O}(2; \{2^4, 5^6\})$	8200000
10	$\mathcal{O}(2; \{2^7, 5^3, 10\})$	520000
10	$\mathcal{O}(2; \{2^{10}, 10^2\})$	40000
10	$\mathcal{O}(2; \{2^2, 5^5, 10^2\})$	32760000
10	$\mathcal{O}(2; \{2^5, 5^2, 10^3\})$	2040000
10	$\mathcal{O}(2; \{5^4, 10^4\})$	131080000
10	$\mathcal{O}(2; \{2^3, 5, 10^5\})$	8200000
10	$\mathcal{O}(2; \{2, 10^7\})$	32760000
10	$\mathcal{O}(1; \{2^8, 5^6\})$	82000
10	$\mathcal{O}(1; \{5^{11}\})$	62914500
10	$\mathcal{O}(1; \{2^{11}, 5^3, 10\})$	5200
10	$\mathcal{O}(1; \{2^3, 5^8, 10\})$	5242800
10	$\mathcal{O}(1; \{2^{14}, 10^2\})$	400
10	$\mathcal{O}(1; \{2^6, 5^5, 10^2\})$	327600
10	$\mathcal{O}(1; \{2^9, 5^2, 10^3\})$	20400
10	$\mathcal{O}(1; \{2, 5^7, 10^3\})$	20971600

Continued on next page

Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(1; \{2^4, 5^4, 10^4\})$	1310800
10	$\mathcal{O}(1; \{2^7, 5, 10^5\})$	82000
10	$\mathcal{O}(1; \{2^2, 5^3, 10^6\})$	5242800
10	$\mathcal{O}(1; \{2^5, 10^7\})$	327600
10	$\mathcal{O}(1; \{5^2, 10^8\})$	20971600
10	$\mathcal{O}(0; \{2^{12}, 5^6\})$	820
10	$\mathcal{O}(0; \{2^4, 5^{11}\})$	838860
10	$\mathcal{O}(0; \{2^{15}, 5^3, 10\})$	52
10	$\mathcal{O}(0; \{2^7, 5^8, 10\})$	52428
10	$\mathcal{O}(0; \{2^{18}, 10^2\})$	4
10	$\mathcal{O}(0; \{2^{10}, 5^5, 10^2\})$	3276
10	$\mathcal{O}(0; \{2^2, 5^{10}, 10^2\})$	3355444
10	$\mathcal{O}(0; \{2^{13}, 5^2, 10^3\})$	204
10	$\mathcal{O}(0; \{2^5, 5^7, 10^3\})$	209716
10	$\mathcal{O}(0; \{2^8, 5^4, 10^4\})$	13108
10	$\mathcal{O}(0; \{5^9, 10^4\})$	13421772
10	$\mathcal{O}(0; \{2^{11}, 5, 10^5\})$	820
10	$\mathcal{O}(0; \{2^3, 5^6, 10^5\})$	838860
10	$\mathcal{O}(0; \{2^6, 5^3, 10^6\})$	52428
10	$\mathcal{O}(0; \{2^9, 10^7\})$	3276
10	$\mathcal{O}(0; \{2, 5^5, 10^7\})$	3355444
10	$\mathcal{O}(0; \{2^4, 5^2, 10^8\})$	209716
10	$\mathcal{O}(0; \{2^2, 5, 10^{10}\})$	838860
10	$\mathcal{O}(0; \{10^{12}\})$	3355444
11	$\mathcal{O}(5; \emptyset)$	25937424600
11	$\mathcal{O}(0; \{11^{11}\})$	9090909090
12	$\mathcal{O}(4; \{3^2\})$	856604160
12	$\mathcal{O}(3; \{2^4, 3^2\})$	5878656
12	$\mathcal{O}(3; \{3^5\})$	29393280
12	$\mathcal{O}(3; \{2, 3^2, 4^2\})$	11943936
12	$\mathcal{O}(3; \{2, 3^3, 6\})$	17635968
12	$\mathcal{O}(3; \{2^2, 3, 6^2\})$	5878656
12	$\mathcal{O}(3; \{6^4\})$	17635968
12	$\mathcal{O}(3; \{2^2, 3, 4, 12\})$	11943936
12	$\mathcal{O}(3; \{4, 6^2, 12\})$	11943936
12	$\mathcal{O}(3; \{2^3, 12^2\})$	11943936
12	$\mathcal{O}(3; \{4^2, 12^2\})$	47775744
12	$\mathcal{O}(3; \{3, 6, 12^2\})$	35831808
12	$\mathcal{O}(2; \{2^8, 3^2\})$	38880
12	$\mathcal{O}(2; \{2^4, 3^5\})$	194400
12	$\mathcal{O}(2; \{3^8\})$	1671840
12	$\mathcal{O}(2; \{2^5, 3^2, 4^2\})$	82944
12	$\mathcal{O}(2; \{2, 3^5, 4^2\})$	414720

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 3^2, 4^4\})$	331776
12	$\mathcal{O}(2; \{2^5, 3^3, 6\})$	116640
12	$\mathcal{O}(2; \{2, 3^6, 6\})$	816480
12	$\mathcal{O}(2; \{2^2, 3^3, 4^2, 6\})$	248832
12	$\mathcal{O}(2; \{2^6, 3, 6^2\})$	38880
12	$\mathcal{O}(2; \{2^2, 3^4, 6^2\})$	427680
12	$\mathcal{O}(2; \{2^3, 3, 4^2, 6^2\})$	82944
12	$\mathcal{O}(2; \{3, 4^4, 6^2\})$	331776
12	$\mathcal{O}(2; \{2^3, 3^2, 6^3\})$	194400
12	$\mathcal{O}(2; \{3^2, 4^2, 6^3\})$	414720
12	$\mathcal{O}(2; \{2^4, 6^4\})$	116640
12	$\mathcal{O}(2; \{3^3, 6^4\})$	816480
12	$\mathcal{O}(2; \{2, 4^2, 6^4\})$	248832
12	$\mathcal{O}(2; \{2, 3, 6^5\})$	427680
12	$\mathcal{O}(2; \{2^6, 3, 4, 12\})$	82944
12	$\mathcal{O}(2; \{2^2, 3^4, 4, 12\})$	414720
12	$\mathcal{O}(2; \{2^3, 3, 4^3, 12\})$	331776
12	$\mathcal{O}(2; \{3, 4^5, 12\})$	1327104
12	$\mathcal{O}(2; \{2^3, 3^2, 4, 6, 12\})$	248832
12	$\mathcal{O}(2; \{3^2, 4^3, 6, 12\})$	995328
12	$\mathcal{O}(2; \{2^4, 4, 6^2, 12\})$	82944
12	$\mathcal{O}(2; \{3^3, 4, 6^2, 12\})$	912384
12	$\mathcal{O}(2; \{2, 4^3, 6^2, 12\})$	331776
12	$\mathcal{O}(2; \{2, 3, 4, 6^3, 12\})$	414720
12	$\mathcal{O}(2; \{2^7, 12^2\})$	82944
12	$\mathcal{O}(2; \{2^3, 3^3, 12^2\})$	414720
12	$\mathcal{O}(2; \{2^4, 4^2, 12^2\})$	331776
12	$\mathcal{O}(2; \{3^3, 4^2, 12^2\})$	1658880
12	$\mathcal{O}(2; \{2, 4^4, 12^2\})$	1327104
12	$\mathcal{O}(2; \{2^4, 3, 6, 12^2\})$	248832
12	$\mathcal{O}(2; \{3^4, 6, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2, 3, 4^2, 6, 12^2\})$	995328
12	$\mathcal{O}(2; \{2, 3^2, 6^2, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^2, 6^3, 12^2\})$	414720
12	$\mathcal{O}(2; \{2, 3^2, 4, 12^3\})$	1658880
12	$\mathcal{O}(2; \{2^2, 4, 6, 12^3\})$	995328
12	$\mathcal{O}(2; \{2^2, 3, 12^4\})$	1658880
12	$\mathcal{O}(2; \{6^2, 12^4\})$	3649536
12	$\mathcal{O}(2; \{4, 12^5\})$	6635520
12	$\mathcal{O}(1; \{2^{12}, 3^2\})$	216
12	$\mathcal{O}(1; \{2^8, 3^5\})$	1080
12	$\mathcal{O}(1; \{2^4, 3^8\})$	9288
12	$\mathcal{O}(1; \{3^{11}\})$	73656

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Table 5 – continued from previous page

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

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Table 5 – continued from previous page

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

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 4^2, 6^3, 12^2\})$	11520
12	$\mathcal{O}(1; \{4^4, 6^3, 12^2\})$	46080
12	$\mathcal{O}(1; \{2^3, 3, 6^4, 12^2\})$	12096
12	$\mathcal{O}(1; \{3, 4^2, 6^4, 12^2\})$	48384
12	$\mathcal{O}(1; \{3^2, 6^5, 12^2\})$	48960
12	$\mathcal{O}(1; \{2, 6^6, 12^2\})$	24768
12	$\mathcal{O}(1; \{2^5, 3^2, 4, 12^3\})$	11520
12	$\mathcal{O}(1; \{2, 3^5, 4, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^2, 3^2, 4^3, 12^3\})$	46080
12	$\mathcal{O}(1; \{2^6, 4, 6, 12^3\})$	6912
12	$\mathcal{O}(1; \{2^2, 3^3, 4, 6, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^3, 4^3, 6, 12^3\})$	27648
12	$\mathcal{O}(1; \{4^5, 6, 12^3\})$	110592
12	$\mathcal{O}(1; \{2^3, 3, 4, 6^2, 12^3\})$	25344
12	$\mathcal{O}(1; \{3, 4^3, 6^2, 12^3\})$	101376
12	$\mathcal{O}(1; \{3^2, 4, 6^3, 12^3\})$	99072
12	$\mathcal{O}(1; \{2, 4, 6^4, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^6, 3, 12^4\})$	11520
12	$\mathcal{O}(1; \{2^2, 3^4, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 12^4\})$	46080
12	$\mathcal{O}(1; \{3, 4^4, 12^4\})$	184320
12	$\mathcal{O}(1; \{2^3, 3^2, 6, 12^4\})$	48384
12	$\mathcal{O}(1; \{3^2, 4^2, 6, 12^4\})$	193536
12	$\mathcal{O}(1; \{2^4, 6^2, 12^4\})$	25344
12	$\mathcal{O}(1; \{3^3, 6^2, 12^4\})$	195840
12	$\mathcal{O}(1; \{2, 4^2, 6^2, 12^4\})$	101376
12	$\mathcal{O}(1; \{2, 3, 6^3, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^4, 4, 12^5\})$	46080
12	$\mathcal{O}(1; \{3^3, 4, 12^5\})$	396288
12	$\mathcal{O}(1; \{2, 4^3, 12^5\})$	184320
12	$\mathcal{O}(1; \{2, 3, 4, 6, 12^5\})$	193536
12	$\mathcal{O}(1; \{2, 3^2, 12^6\})$	396288
12	$\mathcal{O}(1; \{2^2, 6, 12^6\})$	193536
12	$\mathcal{O}(1; \{12^8\})$	1585152
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^2\})$	4
12	$\mathcal{O}(0; \{2^9, 3^5, 4^2\})$	20
12	$\mathcal{O}(0; \{2^5, 3^8, 4^2\})$	172
12	$\mathcal{O}(0; \{2, 3^{11}, 4^2\})$	1364
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^4\})$	16
12	$\mathcal{O}(0; \{2^6, 3^5, 4^4\})$	80
12	$\mathcal{O}(0; \{2^2, 3^8, 4^4\})$	688
12	$\mathcal{O}(0; \{2^7, 3^2, 4^6\})$	64
12	$\mathcal{O}(0; \{2^3, 3^5, 4^6\})$	320

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Table 5 – continued from previous page

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

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Table 5 – continued from previous page

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

Continued on next page

Table 5 – continued from previous page

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

Continued on next page

Table 5 – continued from previous page

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

Continued on next page

Table 5 – continued from previous page

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

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 4, 6^3, 12^5\})$	2752
12	$\mathcal{O}(0; \{4^3, 6^3, 12^5\})$	11008
12	$\mathcal{O}(0; \{3, 4, 6^4, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^2, 12^6\})$	2752
12	$\mathcal{O}(0; \{2, 3^5, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 12^6\})$	11008
12	$\mathcal{O}(0; \{2^6, 6, 12^6\})$	1344
12	$\mathcal{O}(0; \{2^2, 3^3, 6, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^3, 4^2, 6, 12^6\})$	5376
12	$\mathcal{O}(0; \{4^4, 6, 12^6\})$	21504
12	$\mathcal{O}(0; \{2^3, 3, 6^2, 12^6\})$	5440
12	$\mathcal{O}(0; \{3, 4^2, 6^2, 12^6\})$	21760
12	$\mathcal{O}(0; \{3^2, 6^3, 12^6\})$	21824
12	$\mathcal{O}(0; \{2, 6^4, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^3, 3, 4, 12^7\})$	11008
12	$\mathcal{O}(0; \{3, 4^3, 12^7\})$	44032
12	$\mathcal{O}(0; \{3^2, 4, 6, 12^7\})$	43776
12	$\mathcal{O}(0; \{2, 4, 6^2, 12^7\})$	21760
12	$\mathcal{O}(0; \{2^4, 12^8\})$	11008
12	$\mathcal{O}(0; \{3^3, 12^8\})$	87296
12	$\mathcal{O}(0; \{2, 4^2, 12^8\})$	44032
12	$\mathcal{O}(0; \{2, 3, 6, 12^8\})$	43776
13	$\mathcal{O}(3; \{13^3\})$	637138788
14	$\mathcal{O}(3; \{2, 7, 14\})$	45177216
14	$\mathcal{O}(2; \{7^5\})$	39976650
14	$\mathcal{O}(2; \{2^5, 7, 14\})$	230496
14	$\mathcal{O}(2; \{2^3, 14^3\})$	1152480
14	$\mathcal{O}(1; \{2^4, 7^5\})$	217560
14	$\mathcal{O}(1; \{2^9, 7, 14\})$	1176
14	$\mathcal{O}(1; \{2^2, 7^4, 14^2\})$	1306536
14	$\mathcal{O}(1; \{2^7, 14^3\})$	5880
14	$\mathcal{O}(1; \{7^3, 14^4\})$	7838040
14	$\mathcal{O}(0; \{2^8, 7^5\})$	1110
14	$\mathcal{O}(0; \{2^{13}, 7, 14\})$	6
14	$\mathcal{O}(0; \{2, 7^8, 14\})$	1439670
14	$\mathcal{O}(0; \{2^6, 7^4, 14^2\})$	6666
14	$\mathcal{O}(0; \{2^{11}, 14^3\})$	30
14	$\mathcal{O}(0; \{2^4, 7^3, 14^4\})$	39990
14	$\mathcal{O}(0; \{2^2, 7^2, 14^6\})$	239946
14	$\mathcal{O}(0; \{7, 14^8\})$	1439670
15	$\mathcal{O}(3; \{15^2\})$	91125000
15	$\mathcal{O}(2; \{3^2, 5^2, 15\})$	1215000
15	$\mathcal{O}(2; \{3^3, 15^2\})$	2025000

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(1; \{3^4, 5^4\})$	70200
15	$\mathcal{O}(1; \{3^5, 5^2, 15\})$	59400
15	$\mathcal{O}(1; \{3^6, 15^2\})$	77400
15	$\mathcal{O}(1; \{5^5, 15^2\})$	1474200
15	$\mathcal{O}(1; \{3, 5^3, 15^3\})$	1107000
15	$\mathcal{O}(1; \{3^2, 5, 15^4\})$	1009800
15	$\mathcal{O}(0; \{3^7, 5^4\})$	2184
15	$\mathcal{O}(0; \{3^8, 5^2, 15\})$	2040
15	$\mathcal{O}(0; \{3^2, 5^7, 15\})$	26216
15	$\mathcal{O}(0; \{3^9, 15^2\})$	2728
15	$\mathcal{O}(0; \{3^3, 5^5, 15^2\})$	32760
15	$\mathcal{O}(0; \{3^4, 5^3, 15^3\})$	34440
15	$\mathcal{O}(0; \{3^5, 5, 15^4\})$	34680
15	$\mathcal{O}(0; \{5^4, 15^5\})$	524280
15	$\mathcal{O}(0; \{3, 5^2, 15^6\})$	550536
15	$\mathcal{O}(0; \{3^2, 15^7\})$	556920
16	$\mathcal{O}(3; \{4^2\})$	33030144
16	$\mathcal{O}(2; \{2^4, 4^2\})$	122880
16	$\mathcal{O}(2; \{2, 4^4\})$	491520
16	$\mathcal{O}(2; \{2^2, 4, 8^2\})$	491520
16	$\mathcal{O}(2; \{8^4\})$	3932160
16	$\mathcal{O}(2; \{4, 8, 16^2\})$	4194304
16	$\mathcal{O}(1; \{2^8, 4^2\})$	384
16	$\mathcal{O}(1; \{2^5, 4^4\})$	1536
16	$\mathcal{O}(1; \{2^2, 4^6\})$	6144
16	$\mathcal{O}(1; \{2^6, 4, 8^2\})$	1536
16	$\mathcal{O}(1; \{2^3, 4^3, 8^2\})$	6144
16	$\mathcal{O}(1; \{4^5, 8^2\})$	24576
16	$\mathcal{O}(1; \{2^4, 8^4\})$	12288
16	$\mathcal{O}(1; \{2, 4^2, 8^4\})$	49152
16	$\mathcal{O}(1; \{2^4, 4, 8, 16^2\})$	16384
16	$\mathcal{O}(1; \{2, 4^3, 8, 16^2\})$	65536
16	$\mathcal{O}(1; \{2^2, 8^3, 16^2\})$	131072
16	$\mathcal{O}(1; \{2^2, 4, 16^4\})$	262144
16	$\mathcal{O}(1; \{8^2, 16^4\})$	2097152
16	$\mathcal{O}(0; \{2^8, 4, 8, 16^2\})$	64
16	$\mathcal{O}(0; \{2^5, 4^3, 8, 16^2\})$	256
16	$\mathcal{O}(0; \{2^2, 4^5, 8, 16^2\})$	1024
16	$\mathcal{O}(0; \{2^6, 8^3, 16^2\})$	512
16	$\mathcal{O}(0; \{2^3, 4^2, 8^3, 16^2\})$	2048
16	$\mathcal{O}(0; \{4^4, 8^3, 16^2\})$	8192
16	$\mathcal{O}(0; \{2, 4, 8^5, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^6, 4, 16^4\})$	1024

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(0; \{2^3, 4^3, 16^4\})$	4096
16	$\mathcal{O}(0; \{4^5, 16^4\})$	16384
16	$\mathcal{O}(0; \{2^4, 8^2, 16^4\})$	8192
16	$\mathcal{O}(0; \{2, 4^2, 8^2, 16^4\})$	32768
16	$\mathcal{O}(0; \{2^2, 8, 16^6\})$	131072
16	$\mathcal{O}(0; \{16^8\})$	2097152
18	$\mathcal{O}(2; \{2^2, 18^2\})$	629856
18	$\mathcal{O}(1; \{3^2, 9^4\})$	157464
18	$\mathcal{O}(1; \{2, 6, 9^4\})$	104976
18	$\mathcal{O}(1; \{2^3, 3, 9^2, 18\})$	11664
18	$\mathcal{O}(1; \{3^2, 6, 9^2, 18\})$	46656
18	$\mathcal{O}(1; \{2, 6^2, 9^2, 18\})$	23328
18	$\mathcal{O}(1; \{2^6, 18^2\})$	1944
18	$\mathcal{O}(1; \{2^2, 3^3, 18^2\})$	15552
18	$\mathcal{O}(1; \{2^3, 3, 6, 18^2\})$	7776
18	$\mathcal{O}(1; \{3^2, 6^2, 18^2\})$	31104
18	$\mathcal{O}(1; \{2, 6^3, 18^2\})$	15552
18	$\mathcal{O}(1; \{2, 3, 9, 18^3\})$	104976
18	$\mathcal{O}(0; \{2^4, 3^2, 9^4\})$	648
18	$\mathcal{O}(0; \{2^5, 6, 9^4\})$	324
18	$\mathcal{O}(0; \{2, 3^3, 6, 9^4\})$	2592
18	$\mathcal{O}(0; \{2^2, 3, 6^2, 9^4\})$	1296
18	$\mathcal{O}(0; \{6^4, 9^4\})$	2592
18	$\mathcal{O}(0; \{2^7, 3, 9^2, 18\})$	36
18	$\mathcal{O}(0; \{2^3, 3^4, 9^2, 18\})$	288
18	$\mathcal{O}(0; \{2^4, 3^2, 6, 9^2, 18\})$	144
18	$\mathcal{O}(0; \{3^5, 6, 9^2, 18\})$	1152
18	$\mathcal{O}(0; \{2^5, 6^2, 9^2, 18\})$	72
18	$\mathcal{O}(0; \{2, 3^3, 6^2, 9^2, 18\})$	576
18	$\mathcal{O}(0; \{2^2, 3, 6^3, 9^2, 18\})$	288
18	$\mathcal{O}(0; \{6^5, 9^2, 18\})$	576
18	$\mathcal{O}(0; \{2^3, 9^5, 18\})$	5346
18	$\mathcal{O}(0; \{3, 6, 9^5, 18\})$	21384
18	$\mathcal{O}(0; \{2^{10}, 18^2\})$	6
18	$\mathcal{O}(0; \{2^6, 3^3, 18^2\})$	48
18	$\mathcal{O}(0; \{2^2, 3^6, 18^2\})$	384
18	$\mathcal{O}(0; \{2^7, 3, 6, 18^2\})$	24
18	$\mathcal{O}(0; \{2^3, 3^4, 6, 18^2\})$	192
18	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 18^2\})$	96
18	$\mathcal{O}(0; \{3^5, 6^2, 18^2\})$	768
18	$\mathcal{O}(0; \{2^5, 6^3, 18^2\})$	48
18	$\mathcal{O}(0; \{2, 3^3, 6^3, 18^2\})$	384
18	$\mathcal{O}(0; \{2^2, 3, 6^4, 18^2\})$	192

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{6^6, 18^2\})$	384
18	$\mathcal{O}(0; \{2^2, 3^2, 9^3, 18^2\})$	3240
18	$\mathcal{O}(0; \{2^3, 6, 9^3, 18^2\})$	1620
18	$\mathcal{O}(0; \{3, 6^2, 9^3, 18^2\})$	6480
18	$\mathcal{O}(0; \{2^5, 3, 9, 18^3\})$	324
18	$\mathcal{O}(0; \{2, 3^4, 9, 18^3\})$	2592
18	$\mathcal{O}(0; \{2^2, 3^2, 6, 9, 18^3\})$	1296
18	$\mathcal{O}(0; \{2^3, 6^2, 9, 18^3\})$	648
18	$\mathcal{O}(0; \{3, 6^3, 9, 18^3\})$	2592
18	$\mathcal{O}(0; \{2, 9^4, 18^3\})$	30618
18	$\mathcal{O}(0; \{3^2, 9^2, 18^4\})$	21384
18	$\mathcal{O}(0; \{2, 6, 9^2, 18^4\})$	10692
18	$\mathcal{O}(0; \{2^3, 3, 18^5\})$	1620
18	$\mathcal{O}(0; \{3^2, 6, 18^5\})$	6480
18	$\mathcal{O}(0; \{2, 6^2, 18^5\})$	3240
19	$\mathcal{O}(0; \{19^7\})$	32222106
20	$\mathcal{O}(2; \{5^3\})$	1800000
20	$\mathcal{O}(2; \{2, 20^2\})$	1280000
20	$\mathcal{O}(1; \{2^4, 5^3\})$	3600
20	$\mathcal{O}(1; \{2, 4^2, 5^3\})$	9600
20	$\mathcal{O}(1; \{2^2, 5^2, 10^2\})$	15600
20	$\mathcal{O}(1; \{5, 10^4\})$	61200
20	$\mathcal{O}(1; \{2^2, 4, 5, 10, 20\})$	9600
20	$\mathcal{O}(1; \{4, 10^3, 20\})$	41600
20	$\mathcal{O}(1; \{2^5, 20^2\})$	3200
20	$\mathcal{O}(1; \{2^2, 4^2, 20^2\})$	12800
20	$\mathcal{O}(1; \{5^2, 10, 20^2\})$	163200
20	$\mathcal{O}(1; \{4, 5, 20^3\})$	166400
20	$\mathcal{O}(0; \{2^5, 4^2, 5^3\})$	24
20	$\mathcal{O}(0; \{2^2, 4^4, 5^3\})$	96
20	$\mathcal{O}(0; \{4^2, 5^5, 10\})$	1640
20	$\mathcal{O}(0; \{2^3, 4^2, 5^2, 10^2\})$	104
20	$\mathcal{O}(0; \{4^4, 5^2, 10^2\})$	416
20	$\mathcal{O}(0; \{2, 4^2, 5, 10^4\})$	408
20	$\mathcal{O}(0; \{2^3, 4, 5^4, 20\})$	408
20	$\mathcal{O}(0; \{4^3, 5^4, 20\})$	1632
20	$\mathcal{O}(0; \{2^6, 4, 5, 10, 20\})$	24
20	$\mathcal{O}(0; \{2^3, 4^3, 5, 10, 20\})$	96
20	$\mathcal{O}(0; \{4^5, 5, 10, 20\})$	384
20	$\mathcal{O}(0; \{2, 4, 5^3, 10^2, 20\})$	1640
20	$\mathcal{O}(0; \{2^4, 4, 10^3, 20\})$	104
20	$\mathcal{O}(0; \{2, 4^3, 10^3, 20\})$	416
20	$\mathcal{O}(0; \{2^9, 20^2\})$	8

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^6, 4^2, 20^2\})$	32
20	$\mathcal{O}(0; \{2^3, 4^4, 20^2\})$	128
20	$\mathcal{O}(0; \{4^6, 20^2\})$	512
20	$\mathcal{O}(0; \{2, 5^5, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^4, 5^2, 10, 20^2\})$	408
20	$\mathcal{O}(0; \{2, 4^2, 5^2, 10, 20^2\})$	1632
20	$\mathcal{O}(0; \{2^2, 5, 10^3, 20^2\})$	1640
20	$\mathcal{O}(0; \{10^5, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^4, 4, 5, 20^3\})$	416
20	$\mathcal{O}(0; \{2, 4^3, 5, 20^3\})$	1664
20	$\mathcal{O}(0; \{2^2, 4, 10^2, 20^3\})$	1632
20	$\mathcal{O}(0; \{2^2, 5^2, 20^4\})$	6560
20	$\mathcal{O}(0; \{5, 10^2, 20^4\})$	26208
20	$\mathcal{O}(0; \{4, 10, 20^5\})$	26240
21	$\mathcal{O}(1; \{3, 7^3, 21\})$	164052
21	$\mathcal{O}(1; \{3^2, 21^3\})$	132300
21	$\mathcal{O}(0; \{3^4, 7^3, 21\})$	1860
21	$\mathcal{O}(0; \{7^5, 21^2\})$	79980
21	$\mathcal{O}(0; \{3^5, 21^3\})$	2580
21	$\mathcal{O}(0; \{3, 7^2, 21^4\})$	66660
22	$\mathcal{O}(3; \emptyset)$	111608280
22	$\mathcal{O}(2; \{2^4\})$	234240
22	$\mathcal{O}(1; \{2^8\})$	480
22	$\mathcal{O}(0; \{2, 11^5, 22\})$	90910
23	$\mathcal{O}(1; \{23^4\})$	5388394
24	$\mathcal{O}(2; \{6^2\})$	622080
24	$\mathcal{O}(1; \{2^2, 3^4\})$	2592
24	$\mathcal{O}(1; \{2^3, 3^2, 6\})$	864
24	$\mathcal{O}(1; \{3^2, 4^2, 6\})$	1728
24	$\mathcal{O}(1; \{2^4, 6^2\})$	864
24	$\mathcal{O}(1; \{3^3, 6^2\})$	4320
24	$\mathcal{O}(1; \{2, 4^2, 6^2\})$	1728
24	$\mathcal{O}(1; \{2, 3, 6^3\})$	2592
24	$\mathcal{O}(1; \{3^3, 4, 12\})$	5184
24	$\mathcal{O}(1; \{2, 3, 4, 6, 12\})$	1728
24	$\mathcal{O}(1; \{2, 3^2, 12^2\})$	5184
24	$\mathcal{O}(1; \{2^2, 6, 12^2\})$	1728
24	$\mathcal{O}(1; \{12^4\})$	20736
24	$\mathcal{O}(1; \{2, 3^2, 8, 24\})$	4608
24	$\mathcal{O}(1; \{2^2, 6, 8, 24\})$	4608
24	$\mathcal{O}(1; \{8, 12^2, 24\})$	18432
24	$\mathcal{O}(1; \{2^2, 4, 24^2\})$	9216
24	$\mathcal{O}(1; \{8^2, 24^2\})$	73728

Continued on next page

Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{6, 12, 24^2\})$	27648
24	$\mathcal{O}(0; \{2, 3^4, 4, 8^2\})$	48
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 8^2\})$	16
24	$\mathcal{O}(0; \{2^3, 4, 6^2, 8^2\})$	16
24	$\mathcal{O}(0; \{4^3, 6^2, 8^2\})$	64
24	$\mathcal{O}(0; \{3, 4, 6^3, 8^2\})$	48
24	$\mathcal{O}(0; \{3^2, 6, 8^4\})$	128
24	$\mathcal{O}(0; \{2, 6^2, 8^4\})$	128
24	$\mathcal{O}(0; \{2^2, 3^3, 8^2, 12\})$	48
24	$\mathcal{O}(0; \{2^3, 3, 6, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{3, 4^2, 6, 8^2, 12\})$	64
24	$\mathcal{O}(0; \{3^2, 6^2, 8^2, 12\})$	80
24	$\mathcal{O}(0; \{2, 6^3, 8^2, 12\})$	48
24	$\mathcal{O}(0; \{3^2, 4, 8^2, 12^2\})$	192
24	$\mathcal{O}(0; \{2, 4, 6, 8^2, 12^2\})$	64
24	$\mathcal{O}(0; \{2, 3, 8^2, 12^3\})$	192
24	$\mathcal{O}(0; \{2^5, 3^2, 8, 24\})$	8
24	$\mathcal{O}(0; \{2, 3^5, 8, 24\})$	88
24	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 8, 24\})$	32
24	$\mathcal{O}(0; \{2^6, 6, 8, 24\})$	8
24	$\mathcal{O}(0; \{2^2, 3^3, 6, 8, 24\})$	40
24	$\mathcal{O}(0; \{2^3, 4^2, 6, 8, 24\})$	32
24	$\mathcal{O}(0; \{4^4, 6, 8, 24\})$	128
24	$\mathcal{O}(0; \{2^3, 3, 6^2, 8, 24\})$	24
24	$\mathcal{O}(0; \{3, 4^2, 6^2, 8, 24\})$	96
24	$\mathcal{O}(0; \{3^2, 6^3, 8, 24\})$	88
24	$\mathcal{O}(0; \{2, 6^4, 8, 24\})$	40
24	$\mathcal{O}(0; \{3^2, 4, 8^3, 24\})$	256
24	$\mathcal{O}(0; \{2, 4, 6, 8^3, 24\})$	256
24	$\mathcal{O}(0; \{2^3, 3, 4, 8, 12, 24\})$	32
24	$\mathcal{O}(0; \{3, 4^3, 8, 12, 24\})$	128
24	$\mathcal{O}(0; \{3^2, 4, 6, 8, 12, 24\})$	160
24	$\mathcal{O}(0; \{2, 4, 6^2, 8, 12, 24\})$	96
24	$\mathcal{O}(0; \{2, 3, 8^3, 12, 24\})$	256
24	$\mathcal{O}(0; \{2^4, 8, 12^2, 24\})$	32
24	$\mathcal{O}(0; \{3^3, 8, 12^2, 24\})$	352
24	$\mathcal{O}(0; \{2, 4^2, 8, 12^2, 24\})$	128
24	$\mathcal{O}(0; \{2, 3, 6, 8, 12^2, 24\})$	160
24	$\mathcal{O}(0; \{2^6, 4, 24^2\})$	16
24	$\mathcal{O}(0; \{2^2, 3^3, 4, 24^2\})$	80
24	$\mathcal{O}(0; \{2^3, 4^3, 24^2\})$	64
24	$\mathcal{O}(0; \{4^5, 24^2\})$	256
24	$\mathcal{O}(0; \{2^3, 3, 4, 6, 24^2\})$	48

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3, 4^3, 6, 24^2\})$	192
24	$\mathcal{O}(0; \{3^2, 4, 6^2, 24^2\})$	176
24	$\mathcal{O}(0; \{2, 4, 6^3, 24^2\})$	80
24	$\mathcal{O}(0; \{2^4, 8^2, 24^2\})$	128
24	$\mathcal{O}(0; \{3^3, 8^2, 24^2\})$	640
24	$\mathcal{O}(0; \{2, 4^2, 8^2, 24^2\})$	512
24	$\mathcal{O}(0; \{2, 3, 6, 8^2, 24^2\})$	384
24	$\mathcal{O}(0; \{2^3, 3^2, 12, 24^2\})$	80
24	$\mathcal{O}(0; \{3^2, 4^2, 12, 24^2\})$	320
24	$\mathcal{O}(0; \{2^4, 6, 12, 24^2\})$	48
24	$\mathcal{O}(0; \{3^3, 6, 12, 24^2\})$	336
24	$\mathcal{O}(0; \{2, 4^2, 6, 12, 24^2\})$	192
24	$\mathcal{O}(0; \{2, 3, 6^2, 12, 24^2\})$	176
24	$\mathcal{O}(0; \{2, 3, 4, 12^2, 24^2\})$	320
24	$\mathcal{O}(0; \{2^2, 12^3, 24^2\})$	320
24	$\mathcal{O}(0; \{2, 3, 4, 8, 24^3\})$	768
24	$\mathcal{O}(0; \{2^2, 8, 12, 24^3\})$	768
24	$\mathcal{O}(0; \{2, 3^2, 24^4\})$	1408
24	$\mathcal{O}(0; \{2^2, 6, 24^4\})$	640
24	$\mathcal{O}(0; \{12^2, 24^4\})$	5632
24	$\mathcal{O}(0; \{8, 24^5\})$	10240
25	$\mathcal{O}(1; \{5^2, 25^2\})$	200000
26	$\mathcal{O}(1; \{2^3, 13, 26\})$	8112
26	$\mathcal{O}(1; \{2, 26^3\})$	89232
26	$\mathcal{O}(0; \{2^7, 13, 26\})$	12
26	$\mathcal{O}(0; \{2^5, 26^3\})$	132
27	$\mathcal{O}(1; \{3^2, 27^2\})$	52488
27	$\mathcal{O}(0; \{3^5, 27^2\})$	576
27	$\mathcal{O}(0; \{3, 9^3, 27^2\})$	7776
28	$\mathcal{O}(1; \{2, 7^2, 14\})$	17640
28	$\mathcal{O}(1; \{2, 4, 14, 28\})$	9408
28	$\mathcal{O}(0; \{2^2, 4^2, 7^2, 14\})$	60
28	$\mathcal{O}(0; \{4^2, 7, 14^3\})$	372
28	$\mathcal{O}(0; \{4, 7^4, 28\})$	2220
28	$\mathcal{O}(0; \{2^5, 4, 14, 28\})$	12
28	$\mathcal{O}(0; \{2^2, 4^3, 14, 28\})$	48
28	$\mathcal{O}(0; \{2^3, 7^2, 28^2\})$	372
28	$\mathcal{O}(0; \{4^2, 7^2, 28^2\})$	1488
28	$\mathcal{O}(0; \{2, 7, 14^2, 28^2\})$	2220
28	$\mathcal{O}(0; \{2^3, 4, 28^3\})$	240
28	$\mathcal{O}(0; \{4^3, 28^3\})$	960
30	$\mathcal{O}(1; \{3^2, 5^2\})$	5400
30	$\mathcal{O}(1; \{2, 3, 5, 30\})$	7200

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(1; \{2^2, 30^2\})$	7200
30	$\mathcal{O}(0; \{2^4, 3^2, 5^2\})$	8
30	$\mathcal{O}(0; \{2, 3^3, 5^2, 6\})$	24
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 6^2\})$	8
30	$\mathcal{O}(0; \{5^2, 6^4\})$	24
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 10^2\})$	24
30	$\mathcal{O}(0; \{3, 5, 6^2, 10^2\})$	24
30	$\mathcal{O}(0; \{3^2, 10^4\})$	104
30	$\mathcal{O}(0; \{3, 5^2, 6, 10, 15\})$	104
30	$\mathcal{O}(0; \{2^3, 3, 10, 15^2\})$	24
30	$\mathcal{O}(0; \{3^2, 6, 10, 15^2\})$	120
30	$\mathcal{O}(0; \{2, 6^2, 10, 15^2\})$	72
30	$\mathcal{O}(0; \{2, 5, 6, 15^3\})$	312
30	$\mathcal{O}(0; \{2^5, 3, 5, 30\})$	8
30	$\mathcal{O}(0; \{2, 3^4, 5, 30\})$	40
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 6, 30\})$	24
30	$\mathcal{O}(0; \{2^3, 5, 6^2, 30\})$	8
30	$\mathcal{O}(0; \{3, 5, 6^3, 30\})$	40
30	$\mathcal{O}(0; \{3, 5^3, 10, 30\})$	408
30	$\mathcal{O}(0; \{2^3, 3, 10^2, 30\})$	24
30	$\mathcal{O}(0; \{3^2, 6, 10^2, 30\})$	72
30	$\mathcal{O}(0; \{2, 6^2, 10^2, 30\})$	24
30	$\mathcal{O}(0; \{3^2, 5, 10, 15, 30\})$	312
30	$\mathcal{O}(0; \{2, 5, 6, 10, 15, 30\})$	104
30	$\mathcal{O}(0; \{2, 5^2, 15^2, 30\})$	408
30	$\mathcal{O}(0; \{2, 3, 15^3, 30\})$	520
30	$\mathcal{O}(0; \{2^6, 30^2\})$	8
30	$\mathcal{O}(0; \{2^2, 3^3, 30^2\})$	40
30	$\mathcal{O}(0; \{2^3, 3, 6, 30^2\})$	24
30	$\mathcal{O}(0; \{3^2, 6^2, 30^2\})$	88
30	$\mathcal{O}(0; \{2, 6^3, 30^2\})$	40
30	$\mathcal{O}(0; \{2, 5^2, 10, 30^2\})$	408
30	$\mathcal{O}(0; \{2, 3, 10, 15, 30^2\})$	312
31	$\mathcal{O}(0; \{31^5\})$	783870
32	$\mathcal{O}(1; \{2^2, 8^2\})$	3072
32	$\mathcal{O}(1; \{8, 16^2\})$	24576
32	$\mathcal{O}(0; \{2^2, 8, 16, 32^2\})$	512
32	$\mathcal{O}(0; \{16^3, 32^2\})$	8192
32	$\mathcal{O}(0; \{8, 32^4\})$	16384
33	$\mathcal{O}(1; \{3^4\})$	6480
33	$\mathcal{O}(0; \{11^3, 33^2\})$	18180
35	$\mathcal{O}(0; \{7^3, 35^2\})$	4440
35	$\mathcal{O}(0; \{5^2, 35^3\})$	6120

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(1; \{3, 9^2\})$	11664
36	$\mathcal{O}(1; \{2, 36^2\})$	15552
36	$\mathcal{O}(0; \{2, 3, 4^2, 9^2\})$	24
36	$\mathcal{O}(0; \{2^2, 4, 9^2, 12\})$	24
36	$\mathcal{O}(0; \{6, 9^2, 12^2\})$	96
36	$\mathcal{O}(0; \{4, 9, 12, 18^2\})$	72
36	$\mathcal{O}(0; \{2, 3^2, 4, 9, 36\})$	48
36	$\mathcal{O}(0; \{2^2, 4, 6, 9, 36\})$	24
36	$\mathcal{O}(0; \{2^2, 3, 9, 12, 36\})$	48
36	$\mathcal{O}(0; \{6^2, 9, 12, 36\})$	96
36	$\mathcal{O}(0; \{4, 9, 12^2, 36\})$	192
36	$\mathcal{O}(0; \{4, 9^2, 18, 36\})$	324
36	$\mathcal{O}(0; \{4, 6, 18^2, 36\})$	72
36	$\mathcal{O}(0; \{3, 12, 18^2, 36\})$	144
36	$\mathcal{O}(0; \{2^5, 36^2\})$	12
36	$\mathcal{O}(0; \{2, 3^3, 36^2\})$	96
36	$\mathcal{O}(0; \{2^2, 4^2, 36^2\})$	48
36	$\mathcal{O}(0; \{2^2, 3, 6, 36^2\})$	48
36	$\mathcal{O}(0; \{6^3, 36^2\})$	96
36	$\mathcal{O}(0; \{4, 6, 12, 36^2\})$	192
36	$\mathcal{O}(0; \{3, 12^2, 36^2\})$	384
36	$\mathcal{O}(0; \{3, 9, 18, 36^2\})$	648
38	$\mathcal{O}(0; \{2, 19^3, 38\})$	5526
39	$\mathcal{O}(0; \{3^2, 39^3\})$	1320
40	$\mathcal{O}(1; \{2, 5, 10\})$	4800
40	$\mathcal{O}(0; \{4, 5, 8^2, 10\})$	32
40	$\mathcal{O}(0; \{4, 5^2, 8, 40\})$	96
40	$\mathcal{O}(0; \{2, 8, 10, 20, 40\})$	96
40	$\mathcal{O}(0; \{2^3, 4, 40^2\})$	32
40	$\mathcal{O}(0; \{4^3, 40^2\})$	128
40	$\mathcal{O}(0; \{2, 8^2, 40^2\})$	256
40	$\mathcal{O}(0; \{2, 5, 20, 40^2\})$	416
42	$\mathcal{O}(0; \{2, 6, 7, 21^2\})$	60
42	$\mathcal{O}(0; \{3^2, 7, 14, 42\})$	60
42	$\mathcal{O}(0; \{2, 6, 7, 14, 42\})$	60
42	$\mathcal{O}(0; \{2^3, 3, 21, 42\})$	12
42	$\mathcal{O}(0; \{3^2, 6, 21, 42\})$	60
42	$\mathcal{O}(0; \{2, 6^2, 21, 42\})$	36
42	$\mathcal{O}(0; \{2, 3, 42^3\})$	180
44	$\mathcal{O}(2; \emptyset)$	3513600
44	$\mathcal{O}(1; \{2^4\})$	1440
44	$\mathcal{O}(1; \{2, 4^2\})$	3840
45	$\mathcal{O}(1; \{45^2\})$	48600

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
45	$\mathcal{O}(0; \{3^3, 45^2\})$	192
46	$\mathcal{O}(1; \{23^2\})$	34914
46	$\mathcal{O}(0; \{2^4, 23^2\})$	22
46	$\mathcal{O}(0; \{2^2, 23, 46^2\})$	462
46	$\mathcal{O}(0; \{46^4\})$	10186
48	$\mathcal{O}(1; \{12^2\})$	6912
48	$\mathcal{O}(0; \{2, 3, 4, 16, 48\})$	32
48	$\mathcal{O}(0; \{2^2, 12, 16, 48\})$	32
48	$\mathcal{O}(0; \{16, 24^2, 48\})$	256
48	$\mathcal{O}(0; \{2^2, 8, 48^2\})$	64
48	$\mathcal{O}(0; \{16^2, 48^2\})$	1024
48	$\mathcal{O}(0; \{12, 24, 48^2\})$	384
49	$\mathcal{O}(0; \{7, 49^3\})$	8820
50	$\mathcal{O}(0; \{2^2, 5, 50^2\})$	80
50	$\mathcal{O}(0; \{10^2, 50^2\})$	320
52	$\mathcal{O}(0; \{2^2, 4, 26, 52\})$	24
52	$\mathcal{O}(0; \{4, 52^3\})$	1056
54	$\mathcal{O}(0; \{2^2, 3, 54^2\})$	36
54	$\mathcal{O}(0; \{6^2, 54^2\})$	72
55	$\mathcal{O}(1; \{5^2\})$	12000
55	$\mathcal{O}(0; \{5, 11^2, 55\})$	360
56	$\mathcal{O}(0; \{7, 8^2, 28\})$	48
56	$\mathcal{O}(0; \{7^2, 8, 56\})$	120
56	$\mathcal{O}(0; \{4, 8, 28, 56\})$	96
56	$\mathcal{O}(0; \{4, 7, 56^2\})$	240
57	$\mathcal{O}(0; \{3, 19^2, 57\})$	612
60	$\mathcal{O}(0; \{4, 6, 15, 20\})$	16
60	$\mathcal{O}(0; \{3, 12, 15, 20\})$	16
60	$\mathcal{O}(0; \{4, 6, 10, 60\})$	16
60	$\mathcal{O}(0; \{3, 10, 12, 60\})$	16
60	$\mathcal{O}(0; \{4, 5, 15, 60\})$	48
60	$\mathcal{O}(0; \{2^3, 60^2\})$	16
60	$\mathcal{O}(0; \{4^2, 60^2\})$	64
60	$\mathcal{O}(0; \{3, 6, 60^2\})$	48
62	$\mathcal{O}(0; \{2, 31^2, 62\})$	870
63	$\mathcal{O}(0; \{3, 7, 9, 63\})$	72
66	$\mathcal{O}(1; \{3^2\})$	6480
69	$\mathcal{O}(0; \{3^2, 23, 69\})$	44
70	$\mathcal{O}(0; \{2, 5, 35, 70\})$	72
72	$\mathcal{O}(0; \{2, 4, 72^2\})$	48
78	$\mathcal{O}(0; \{2, 3, 39, 78\})$	24
88	$\mathcal{O}(1; \{2^2\})$	5760
90	$\mathcal{O}(0; \{2^2, 90^2\})$	24

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
91	$\mathcal{O}(0; \{91^3\})$	3960
92	$\mathcal{O}(0; \{46, 92^2\})$	924
93	$\mathcal{O}(0; \{31, 93^2\})$	1740
95	$\mathcal{O}(0; \{19, 95^2\})$	1224
96	$\mathcal{O}(0; \{24, 32, 96\})$	128
96	$\mathcal{O}(0; \{16, 96^2\})$	256
98	$\mathcal{O}(0; \{14, 49, 98\})$	252
99	$\mathcal{O}(0; \{11, 99^2\})$	540
100	$\mathcal{O}(0; \{10, 100^2\})$	160
104	$\mathcal{O}(0; \{8, 52, 104\})$	96
105	$\mathcal{O}(0; \{7, 105^2\})$	240
108	$\mathcal{O}(0; \{6, 108^2\})$	72
110	$\mathcal{O}(0; \{10, 11, 110\})$	40
112	$\mathcal{O}(0; \{7, 16, 112\})$	48
114	$\mathcal{O}(0; \{6, 19, 114\})$	36
120	$\mathcal{O}(0; \{4, 120^2\})$	64
124	$\mathcal{O}(0; \{4, 31, 124\})$	60
135	$\mathcal{O}(0; \{3, 135^2\})$	144
138	$\mathcal{O}(0; \{3, 46, 138\})$	44
180	$\mathcal{O}(0; \{2, 180^2\})$	48
182	$\mathcal{O}(0; \{2, 91, 182\})$	72

Table 6: 46-admissible orbifolds.

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(46; \emptyset)$	1
2	$\mathcal{O}(23; \{2^2\})$	70368744177664
2	$\mathcal{O}(22; \{2^6\})$	17592186044416
2	$\mathcal{O}(21; \{2^{10}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{14}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{18}\})$	274877906944
2	$\mathcal{O}(18; \{2^{22}\})$	68719476736
2	$\mathcal{O}(17; \{2^{26}\})$	17179869184
2	$\mathcal{O}(16; \{2^{30}\})$	4294967296
2	$\mathcal{O}(15; \{2^{34}\})$	1073741824
2	$\mathcal{O}(14; \{2^{38}\})$	268435456
2	$\mathcal{O}(13; \{2^{42}\})$	67108864
2	$\mathcal{O}(12; \{2^{46}\})$	16777216
2	$\mathcal{O}(11; \{2^{50}\})$	4194304
2	$\mathcal{O}(10; \{2^{54}\})$	1048576

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(9; \{2^{58}\})$	262144
2	$\mathcal{O}(8; \{2^{62}\})$	65536
2	$\mathcal{O}(7; \{2^{66}\})$	16384
2	$\mathcal{O}(6; \{2^{70}\})$	4096
2	$\mathcal{O}(5; \{2^{74}\})$	1024
2	$\mathcal{O}(4; \{2^{78}\})$	256
2	$\mathcal{O}(3; \{2^{82}\})$	64
2	$\mathcal{O}(2; \{2^{86}\})$	16
2	$\mathcal{O}(1; \{2^{90}\})$	4
2	$\mathcal{O}(0; \{2^{94}\})$	1
3	$\mathcal{O}(16; \emptyset)$	1853020188851840
3	$\mathcal{O}(15; \{3^3\})$	411782264189298
3	$\mathcal{O}(14; \{3^6\})$	503289434009142
3	$\mathcal{O}(13; \{3^9\})$	432117190815930
3	$\mathcal{O}(12; \{3^{12}\})$	385798746833046
3	$\mathcal{O}(11; \{3^{15}\})$	342743933049498
3	$\mathcal{O}(10; \{3^{18}\})$	304682194528182
3	$\mathcal{O}(9; \{3^{21}\})$	270826292835450
3	$\mathcal{O}(8; \{3^{24}\})$	240734740800726
3	$\mathcal{O}(7; \{3^{27}\})$	213986407569498
3	$\mathcal{O}(6; \{3^{30}\})$	190210143250422
3	$\mathcal{O}(5; \{3^{33}\})$	169075682534970
3	$\mathcal{O}(4; \{3^{36}\})$	150289495626006
3	$\mathcal{O}(3; \{3^{39}\})$	133590662774298
3	$\mathcal{O}(2; \{3^{42}\})$	118747255799862
3	$\mathcal{O}(1; \{3^{45}\})$	105553116266490
3	$\mathcal{O}(0; \{3^{48}\})$	93824992236886
4	$\mathcal{O}(11; \{2^2, 4^2\})$	35184372088832
4	$\mathcal{O}(10; \{2^6, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{2^3, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{4^6\})$	35184372088832
4	$\mathcal{O}(9; \{2^{10}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^7, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^4, 4^6\})$	2199023255552
4	$\mathcal{O}(9; \{2, 4^8\})$	8796093022208
4	$\mathcal{O}(8; \{2^{14}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{11}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^8, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^5, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2^2, 4^{10}\})$	2199023255552
4	$\mathcal{O}(7; \{2^{18}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{15}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{12}, 4^6\})$	8589934592

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Table 6 – continued from previous page

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

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(3; \{2, 4^{24}\})$	34359738368
4	$\mathcal{O}(2; \{2^{38}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{35}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{32}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{29}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{26}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{23}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{20}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{17}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{14}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{11}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^8, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^5, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2^2, 4^{26}\})$	8589934592
4	$\mathcal{O}(1; \{2^{42}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{39}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{36}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{33}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{30}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{27}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{24}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{21}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{18}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{15}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{12}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^9, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^6, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^3, 4^{28}\})$	2147483648
4	$\mathcal{O}(1; \{4^{30}\})$	8589934592
4	$\mathcal{O}(0; \{2^{46}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{43}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{40}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{37}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{34}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{31}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{28}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{25}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{22}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{19}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{16}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{13}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{10}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^7, 4^{28}\})$	134217728

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(0; \{2^4, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2, 4^{32}\})$	2147483648
5	$\mathcal{O}(10; \emptyset)$	95367431640624
5	$\mathcal{O}(8; \{5^5\})$	31127929687500
5	$\mathcal{O}(6; \{5^{10}\})$	51200195312500
5	$\mathcal{O}(4; \{5^{15}\})$	83886079687500
5	$\mathcal{O}(2; \{5^{20}\})$	137438953472500
5	$\mathcal{O}(0; \{5^{25}\})$	225179981368524
6	$\mathcal{O}(8; \{2^2\})$	2821109841920
6	$\mathcal{O}(7; \{2^6\})$	78364147712
6	$\mathcal{O}(7; \{2^2, 3^3\})$	156728328192
6	$\mathcal{O}(7; \{2^3, 3, 6\})$	156728328192
6	$\mathcal{O}(7; \{3^2, 6^2\})$	470184984576
6	$\mathcal{O}(7; \{2, 6^3\})$	156728328192
6	$\mathcal{O}(6; \{2^{10}\})$	2176778240
6	$\mathcal{O}(6; \{2^6, 3^3\})$	4353564672
6	$\mathcal{O}(6; \{2^2, 3^6\})$	47889211392
6	$\mathcal{O}(6; \{2^7, 3, 6\})$	4353564672
6	$\mathcal{O}(6; \{2^3, 3^4, 6\})$	21767823360
6	$\mathcal{O}(6; \{2^4, 3^2, 6^2\})$	13060694016
6	$\mathcal{O}(6; \{3^5, 6^2\})$	91424858112
6	$\mathcal{O}(6; \{2^5, 6^3\})$	4353564672
6	$\mathcal{O}(6; \{2, 3^3, 6^3\})$	47889211392
6	$\mathcal{O}(6; \{2^2, 3, 6^4\})$	21767823360
6	$\mathcal{O}(6; \{6^6\})$	47889211392
6	$\mathcal{O}(5; \{2^{14}\})$	60465152
6	$\mathcal{O}(5; \{2^{10}, 3^3\})$	120932352
6	$\mathcal{O}(5; \{2^6, 3^6\})$	1330255872
6	$\mathcal{O}(5; \{2^2, 3^9\})$	10279249920
6	$\mathcal{O}(5; \{2^{11}, 3, 6\})$	120932352
6	$\mathcal{O}(5; \{2^7, 3^4, 6\})$	604661760
6	$\mathcal{O}(5; \{2^3, 3^7, 6\})$	5200091136
6	$\mathcal{O}(5; \{2^8, 3^2, 6^2\})$	362797056
6	$\mathcal{O}(5; \{2^4, 3^5, 6^2\})$	2539579392
6	$\mathcal{O}(5; \{3^8, 6^2\})$	20679432192
6	$\mathcal{O}(5; \{2^9, 6^3\})$	120932352
6	$\mathcal{O}(5; \{2^5, 3^3, 6^3\})$	1330255872
6	$\mathcal{O}(5; \{2, 3^6, 6^3\})$	10279249920
6	$\mathcal{O}(5; \{2^6, 3, 6^4\})$	604661760
6	$\mathcal{O}(5; \{2^2, 3^4, 6^4\})$	5200091136
6	$\mathcal{O}(5; \{2^3, 3^2, 6^5\})$	2539579392
6	$\mathcal{O}(5; \{2^4, 6^6\})$	1330255872
6	$\mathcal{O}(5; \{3^3, 6^6\})$	10279249920

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2, 3, 6^7\})$	5200091136
6	$\mathcal{O}(4; \{2^{18}\})$	1679360
6	$\mathcal{O}(4; \{2^{14}, 3^3\})$	3359232
6	$\mathcal{O}(4; \{2^{10}, 3^6\})$	36951552
6	$\mathcal{O}(4; \{2^6, 3^9\})$	285534720
6	$\mathcal{O}(4; \{2^2, 3^{12}\})$	2294355456
6	$\mathcal{O}(4; \{2^{15}, 3, 6\})$	3359232
6	$\mathcal{O}(4; \{2^{11}, 3^4, 6\})$	16796160
6	$\mathcal{O}(4; \{2^7, 3^7, 6\})$	144446976
6	$\mathcal{O}(4; \{2^3, 3^{10}, 6\})$	1145498112
6	$\mathcal{O}(4; \{2^{12}, 3^2, 6^2\})$	10077696
6	$\mathcal{O}(4; \{2^8, 3^5, 6^2\})$	70543872
6	$\mathcal{O}(4; \{2^4, 3^8, 6^2\})$	574428672
6	$\mathcal{O}(4; \{3^{11}, 6^2\})$	4585351680
6	$\mathcal{O}(4; \{2^{13}, 6^3\})$	3359232
6	$\mathcal{O}(4; \{2^9, 3^3, 6^3\})$	36951552
6	$\mathcal{O}(4; \{2^5, 3^6, 6^3\})$	285534720
6	$\mathcal{O}(4; \{2, 3^9, 6^3\})$	2294355456
6	$\mathcal{O}(4; \{2^{10}, 3, 6^4\})$	16796160
6	$\mathcal{O}(4; \{2^6, 3^4, 6^4\})$	144446976
6	$\mathcal{O}(4; \{2^2, 3^7, 6^4\})$	1145498112
6	$\mathcal{O}(4; \{2^7, 3^2, 6^5\})$	70543872
6	$\mathcal{O}(4; \{2^3, 3^5, 6^5\})$	574428672
6	$\mathcal{O}(4; \{2^8, 6^6\})$	36951552
6	$\mathcal{O}(4; \{2^4, 3^3, 6^6\})$	285534720
6	$\mathcal{O}(4; \{3^6, 6^6\})$	2294355456
6	$\mathcal{O}(4; \{2^5, 3, 6^7\})$	144446976
6	$\mathcal{O}(4; \{2, 3^4, 6^7\})$	1145498112
6	$\mathcal{O}(4; \{2^2, 3^2, 6^8\})$	574428672
6	$\mathcal{O}(4; \{2^3, 6^9\})$	285534720
6	$\mathcal{O}(4; \{3, 6^{10}\})$	1145498112
6	$\mathcal{O}(3; \{2^{22}\})$	46592
6	$\mathcal{O}(3; \{2^{18}, 3^3\})$	93312
6	$\mathcal{O}(3; \{2^{14}, 3^6\})$	1026432
6	$\mathcal{O}(3; \{2^{10}, 3^9\})$	7931520
6	$\mathcal{O}(3; \{2^6, 3^{12}\})$	63732096
6	$\mathcal{O}(3; \{2^2, 3^{15}\})$	509576832
6	$\mathcal{O}(3; \{2^{19}, 3, 6\})$	93312
6	$\mathcal{O}(3; \{2^{15}, 3^4, 6\})$	466560
6	$\mathcal{O}(3; \{2^{11}, 3^7, 6\})$	4012416
6	$\mathcal{O}(3; \{2^7, 3^{10}, 6\})$	31819392
6	$\mathcal{O}(3; \{2^3, 3^{13}, 6\})$	254835072
6	$\mathcal{O}(3; \{2^{16}, 3^2, 6^2\})$	279936

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{12}, 3^5, 6^2\})$	1959552
6	$\mathcal{O}(3; \{2^8, 3^8, 6^2\})$	15956352
6	$\mathcal{O}(3; \{2^4, 3^{11}, 6^2\})$	127370880
6	$\mathcal{O}(3; \{3^{14}, 6^2\})$	1019246976
6	$\mathcal{O}(3; \{2^{17}, 6^3\})$	93312
6	$\mathcal{O}(3; \{2^{13}, 3^3, 6^3\})$	1026432
6	$\mathcal{O}(3; \{2^9, 3^6, 6^3\})$	7931520
6	$\mathcal{O}(3; \{2^5, 3^9, 6^3\})$	63732096
6	$\mathcal{O}(3; \{2, 3^{12}, 6^3\})$	509576832
6	$\mathcal{O}(3; \{2^{14}, 3, 6^4\})$	466560
6	$\mathcal{O}(3; \{2^{10}, 3^4, 6^4\})$	4012416
6	$\mathcal{O}(3; \{2^6, 3^7, 6^4\})$	31819392
6	$\mathcal{O}(3; \{2^2, 3^{10}, 6^4\})$	254835072
6	$\mathcal{O}(3; \{2^{11}, 3^2, 6^5\})$	1959552
6	$\mathcal{O}(3; \{2^7, 3^5, 6^5\})$	15956352
6	$\mathcal{O}(3; \{2^3, 3^8, 6^5\})$	127370880
6	$\mathcal{O}(3; \{2^{12}, 6^6\})$	1026432
6	$\mathcal{O}(3; \{2^8, 3^3, 6^6\})$	7931520
6	$\mathcal{O}(3; \{2^4, 3^6, 6^6\})$	63732096
6	$\mathcal{O}(3; \{3^9, 6^6\})$	509576832
6	$\mathcal{O}(3; \{2^9, 3, 6^7\})$	4012416
6	$\mathcal{O}(3; \{2^5, 3^4, 6^7\})$	31819392
6	$\mathcal{O}(3; \{2, 3^7, 6^7\})$	254835072
6	$\mathcal{O}(3; \{2^6, 3^2, 6^8\})$	15956352
6	$\mathcal{O}(3; \{2^2, 3^5, 6^8\})$	127370880
6	$\mathcal{O}(3; \{2^7, 6^9\})$	7931520
6	$\mathcal{O}(3; \{2^3, 3^3, 6^9\})$	63732096
6	$\mathcal{O}(3; \{2^4, 3, 6^{10}\})$	31819392
6	$\mathcal{O}(3; \{3^4, 6^{10}\})$	254835072
6	$\mathcal{O}(3; \{2, 3^2, 6^{11}\})$	127370880
6	$\mathcal{O}(3; \{2^2, 6^{12}\})$	63732096
6	$\mathcal{O}(2; \{2^{26}\})$	1280
6	$\mathcal{O}(2; \{2^{22}, 3^3\})$	2592
6	$\mathcal{O}(2; \{2^{18}, 3^6\})$	28512
6	$\mathcal{O}(2; \{2^{14}, 3^9\})$	220320
6	$\mathcal{O}(2; \{2^{10}, 3^{12}\})$	1770336
6	$\mathcal{O}(2; \{2^6, 3^{15}\})$	14154912
6	$\mathcal{O}(2; \{2^2, 3^{18}\})$	113247072
6	$\mathcal{O}(2; \{2^{23}, 3, 6\})$	2592
6	$\mathcal{O}(2; \{2^{19}, 3^4, 6\})$	12960
6	$\mathcal{O}(2; \{2^{15}, 3^7, 6\})$	111456
6	$\mathcal{O}(2; \{2^{11}, 3^{10}, 6\})$	883872
6	$\mathcal{O}(2; \{2^7, 3^{13}, 6\})$	7078752

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Table 6 – continued from previous page

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

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Table 6 – continued from previous page

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

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^3, 3^{14}, 6^5\})$	6291432
6	$\mathcal{O}(1; \{2^{20}, 6^6\})$	792
6	$\mathcal{O}(1; \{2^{16}, 3^3, 6^6\})$	6120
6	$\mathcal{O}(1; \{2^{12}, 3^6, 6^6\})$	49176
6	$\mathcal{O}(1; \{2^8, 3^9, 6^6\})$	393192
6	$\mathcal{O}(1; \{2^4, 3^{12}, 6^6\})$	3145752
6	$\mathcal{O}(1; \{3^{15}, 6^6\})$	25165800
6	$\mathcal{O}(1; \{2^{17}, 3, 6^7\})$	3096
6	$\mathcal{O}(1; \{2^{13}, 3^4, 6^7\})$	24552
6	$\mathcal{O}(1; \{2^9, 3^7, 6^7\})$	196632
6	$\mathcal{O}(1; \{2^5, 3^{10}, 6^7\})$	1572840
6	$\mathcal{O}(1; \{2, 3^{13}, 6^7\})$	12582936
6	$\mathcal{O}(1; \{2^{14}, 3^2, 6^8\})$	12312
6	$\mathcal{O}(1; \{2^{10}, 3^5, 6^8\})$	98280
6	$\mathcal{O}(1; \{2^6, 3^8, 6^8\})$	786456
6	$\mathcal{O}(1; \{2^2, 3^{11}, 6^8\})$	6291432
6	$\mathcal{O}(1; \{2^{15}, 6^9\})$	6120
6	$\mathcal{O}(1; \{2^{11}, 3^3, 6^9\})$	49176
6	$\mathcal{O}(1; \{2^7, 3^6, 6^9\})$	393192
6	$\mathcal{O}(1; \{2^3, 3^9, 6^9\})$	3145752
6	$\mathcal{O}(1; \{2^{12}, 3, 6^{10}\})$	24552
6	$\mathcal{O}(1; \{2^8, 3^4, 6^{10}\})$	196632
6	$\mathcal{O}(1; \{2^4, 3^7, 6^{10}\})$	1572840
6	$\mathcal{O}(1; \{3^{10}, 6^{10}\})$	12582936
6	$\mathcal{O}(1; \{2^9, 3^2, 6^{11}\})$	98280
6	$\mathcal{O}(1; \{2^5, 3^5, 6^{11}\})$	786456
6	$\mathcal{O}(1; \{2, 3^8, 6^{11}\})$	6291432
6	$\mathcal{O}(1; \{2^{10}, 6^{12}\})$	49176
6	$\mathcal{O}(1; \{2^6, 3^3, 6^{12}\})$	393192
6	$\mathcal{O}(1; \{2^2, 3^6, 6^{12}\})$	3145752
6	$\mathcal{O}(1; \{2^7, 3, 6^{13}\})$	196632
6	$\mathcal{O}(1; \{2^3, 3^4, 6^{13}\})$	1572840
6	$\mathcal{O}(1; \{2^4, 3^2, 6^{14}\})$	786456
6	$\mathcal{O}(1; \{3^5, 6^{14}\})$	6291432
6	$\mathcal{O}(1; \{2^5, 6^{15}\})$	393192
6	$\mathcal{O}(1; \{2, 3^3, 6^{15}\})$	3145752
6	$\mathcal{O}(1; \{2^2, 3, 6^{16}\})$	1572840
6	$\mathcal{O}(1; \{6^{18}\})$	3145752
6	$\mathcal{O}(0; \{2^{30}, 3^3\})$	2
6	$\mathcal{O}(0; \{2^{26}, 3^6\})$	22
6	$\mathcal{O}(0; \{2^{22}, 3^9\})$	170
6	$\mathcal{O}(0; \{2^{18}, 3^{12}\})$	1366
6	$\mathcal{O}(0; \{2^{14}, 3^{15}\})$	10922

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Table 6 – continued from previous page

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

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Table 6 – continued from previous page

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

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^2, 3^4, 6^{16}\})$	349526
6	$\mathcal{O}(0; \{2^3, 3^2, 6^{17}\})$	174762
6	$\mathcal{O}(0; \{2^4, 6^{18}\})$	87382
6	$\mathcal{O}(0; \{3^3, 6^{18}\})$	699050
6	$\mathcal{O}(0; \{2, 3, 6^{19}\})$	349526
7	$\mathcal{O}(4; \{7^8\})$	1383240940746
7	$\mathcal{O}(1; \{7^{15}\})$	3291294891990
8	$\mathcal{O}(5; \{2^3, 8^2\})$	4294967296
8	$\mathcal{O}(5; \{4^2, 8^2\})$	17179869184
8	$\mathcal{O}(4; \{2^7, 8^2\})$	67108864
8	$\mathcal{O}(4; \{2^4, 4^2, 8^2\})$	268435456
8	$\mathcal{O}(4; \{2, 4^4, 8^2\})$	1073741824
8	$\mathcal{O}(4; \{2^2, 4, 8^4\})$	2147483648
8	$\mathcal{O}(4; \{8^6\})$	17179869184
8	$\mathcal{O}(3; \{2^{11}, 8^2\})$	1048576
8	$\mathcal{O}(3; \{2^8, 4^2, 8^2\})$	4194304
8	$\mathcal{O}(3; \{2^5, 4^4, 8^2\})$	16777216
8	$\mathcal{O}(3; \{2^2, 4^6, 8^2\})$	67108864
8	$\mathcal{O}(3; \{2^6, 4, 8^4\})$	33554432
8	$\mathcal{O}(3; \{2^3, 4^3, 8^4\})$	134217728
8	$\mathcal{O}(3; \{4^5, 8^4\})$	536870912
8	$\mathcal{O}(3; \{2^4, 8^6\})$	268435456
8	$\mathcal{O}(3; \{2, 4^2, 8^6\})$	1073741824
8	$\mathcal{O}(2; \{2^{15}, 8^2\})$	16384
8	$\mathcal{O}(2; \{2^{12}, 4^2, 8^2\})$	65536
8	$\mathcal{O}(2; \{2^9, 4^4, 8^2\})$	262144
8	$\mathcal{O}(2; \{2^6, 4^6, 8^2\})$	1048576
8	$\mathcal{O}(2; \{2^3, 4^8, 8^2\})$	4194304
8	$\mathcal{O}(2; \{4^{10}, 8^2\})$	16777216
8	$\mathcal{O}(2; \{2^{10}, 4, 8^4\})$	524288
8	$\mathcal{O}(2; \{2^7, 4^3, 8^4\})$	2097152
8	$\mathcal{O}(2; \{2^4, 4^5, 8^4\})$	8388608
8	$\mathcal{O}(2; \{2, 4^7, 8^4\})$	33554432
8	$\mathcal{O}(2; \{2^8, 8^6\})$	4194304
8	$\mathcal{O}(2; \{2^5, 4^2, 8^6\})$	16777216
8	$\mathcal{O}(2; \{2^2, 4^4, 8^6\})$	67108864
8	$\mathcal{O}(2; \{2^3, 4, 8^8\})$	134217728
8	$\mathcal{O}(2; \{4^3, 8^8\})$	536870912
8	$\mathcal{O}(2; \{2, 8^{10}\})$	1073741824
8	$\mathcal{O}(1; \{2^{19}, 8^2\})$	256
8	$\mathcal{O}(1; \{2^{16}, 4^2, 8^2\})$	1024
8	$\mathcal{O}(1; \{2^{13}, 4^4, 8^2\})$	4096
8	$\mathcal{O}(1; \{2^{10}, 4^6, 8^2\})$	16384

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Table 6 – continued from previous page

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

Continued on next page

Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^2, 4^7, 8^8\})$	2097152
8	$\mathcal{O}(0; \{2^9, 8^{10}\})$	262144
8	$\mathcal{O}(0; \{2^6, 4^2, 8^{10}\})$	1048576
8	$\mathcal{O}(0; \{2^3, 4^4, 8^{10}\})$	4194304
8	$\mathcal{O}(0; \{4^6, 8^{10}\})$	16777216
8	$\mathcal{O}(0; \{2^4, 4, 8^{12}\})$	8388608
8	$\mathcal{O}(0; \{2, 4^3, 8^{12}\})$	33554432
8	$\mathcal{O}(0; \{2^2, 8^{14}\})$	67108864
9	$\mathcal{O}(6; \emptyset)$	282429005040
9	$\mathcal{O}(5; \{3^3\})$	6973450704
9	$\mathcal{O}(4; \{3^6\})$	946883520
9	$\mathcal{O}(4; \{3^2, 9^3\})$	3099363912
9	$\mathcal{O}(3; \{3^9\})$	90221040
9	$\mathcal{O}(3; \{3^5, 9^3\})$	306110016
9	$\mathcal{O}(3; \{3, 9^6\})$	5682167172
9	$\mathcal{O}(2; \{3^{12}\})$	8851680
9	$\mathcal{O}(2; \{3^8, 9^3\})$	30233088
9	$\mathcal{O}(2; \{3^4, 9^6\})$	561201696
9	$\mathcal{O}(2; \{9^9\})$	7317942570
9	$\mathcal{O}(1; \{3^{15}\})$	786384
9	$\mathcal{O}(1; \{3^{11}, 9^3\})$	2985984
9	$\mathcal{O}(1; \{3^7, 9^6\})$	55427328
9	$\mathcal{O}(1; \{3^3, 9^9\})$	722759760
9	$\mathcal{O}(0; \{3^{14}, 9^3\})$	294912
9	$\mathcal{O}(0; \{3^{10}, 9^6\})$	5474304
9	$\mathcal{O}(0; \{3^6, 9^9\})$	71383680
9	$\mathcal{O}(0; \{3^2, 9^{12}\})$	967931208
10	$\mathcal{O}(5; \{2^2\})$	9999998976
10	$\mathcal{O}(4; \{2^6\})$	99999744
10	$\mathcal{O}(4; \{2, 5^2, 10\})$	1200000000
10	$\mathcal{O}(3; \{2^{10}\})$	999936
10	$\mathcal{O}(3; \{2^2, 5^5\})$	204000000
10	$\mathcal{O}(3; \{2^5, 5^2, 10\})$	12000000
10	$\mathcal{O}(3; \{5^4, 10^2\})$	820000000
10	$\mathcal{O}(3; \{2^3, 5, 10^3\})$	52000000
10	$\mathcal{O}(3; \{2, 10^5\})$	204000000
10	$\mathcal{O}(2; \{2^{14}\})$	9984
10	$\mathcal{O}(2; \{2^6, 5^5\})$	2040000
10	$\mathcal{O}(2; \{2^9, 5^2, 10\})$	120000
10	$\mathcal{O}(2; \{2, 5^7, 10\})$	131080000
10	$\mathcal{O}(2; \{2^4, 5^4, 10^2\})$	8200000
10	$\mathcal{O}(2; \{2^7, 5, 10^3\})$	520000
10	$\mathcal{O}(2; \{2^2, 5^3, 10^4\})$	32760000

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(2; \{2^5, 10^5\})$	2040000
10	$\mathcal{O}(2; \{5^2, 10^6\})$	131080000
10	$\mathcal{O}(1; \{2^{18}\})$	96
10	$\mathcal{O}(1; \{2^{10}, 5^5\})$	20400
10	$\mathcal{O}(1; \{2^2, 5^{10}\})$	20971600
10	$\mathcal{O}(1; \{2^{13}, 5^2, 10\})$	1200
10	$\mathcal{O}(1; \{2^5, 5^7, 10\})$	1310800
10	$\mathcal{O}(1; \{2^8, 5^4, 10^2\})$	82000
10	$\mathcal{O}(1; \{5^9, 10^2\})$	83886000
10	$\mathcal{O}(1; \{2^{11}, 5, 10^3\})$	5200
10	$\mathcal{O}(1; \{2^3, 5^6, 10^3\})$	5242800
10	$\mathcal{O}(1; \{2^6, 5^3, 10^4\})$	327600
10	$\mathcal{O}(1; \{2^9, 10^5\})$	20400
10	$\mathcal{O}(1; \{2, 5^5, 10^5\})$	20971600
10	$\mathcal{O}(1; \{2^4, 5^2, 10^6\})$	1310800
10	$\mathcal{O}(1; \{2^2, 5, 10^8\})$	5242800
10	$\mathcal{O}(1; \{10^{10}\})$	20971600
10	$\mathcal{O}(0; \{2^{14}, 5^5\})$	204
10	$\mathcal{O}(0; \{2^6, 5^{10}\})$	209716
10	$\mathcal{O}(0; \{2^{17}, 5^2, 10\})$	12
10	$\mathcal{O}(0; \{2^9, 5^7, 10\})$	13108
10	$\mathcal{O}(0; \{2, 5^{12}, 10\})$	13421772
10	$\mathcal{O}(0; \{2^{12}, 5^4, 10^2\})$	820
10	$\mathcal{O}(0; \{2^4, 5^9, 10^2\})$	838860
10	$\mathcal{O}(0; \{2^{15}, 5, 10^3\})$	52
10	$\mathcal{O}(0; \{2^7, 5^6, 10^3\})$	52428
10	$\mathcal{O}(0; \{2^{10}, 5^3, 10^4\})$	3276
10	$\mathcal{O}(0; \{2^2, 5^8, 10^4\})$	3355444
10	$\mathcal{O}(0; \{2^{13}, 10^5\})$	204
10	$\mathcal{O}(0; \{2^5, 5^5, 10^5\})$	209716
10	$\mathcal{O}(0; \{2^8, 5^2, 10^6\})$	13108
10	$\mathcal{O}(0; \{5^7, 10^6\})$	13421772
10	$\mathcal{O}(0; \{2^3, 5^4, 10^7\})$	838860
10	$\mathcal{O}(0; \{2^6, 5, 10^8\})$	52428
10	$\mathcal{O}(0; \{2, 5^3, 10^9\})$	3355444
10	$\mathcal{O}(0; \{2^4, 10^{10}\})$	209716
11	$\mathcal{O}(1; \{11^9\})$	10999999890
12	$\mathcal{O}(4; \{4^2\})$	859832320
12	$\mathcal{O}(3; \{2^4, 4^2\})$	5963776
12	$\mathcal{O}(3; \{3^3, 4^2\})$	11943936
12	$\mathcal{O}(3; \{2, 4^4\})$	23855104
12	$\mathcal{O}(3; \{2, 3, 4^2, 6\})$	11943936
12	$\mathcal{O}(3; \{2, 3^2, 4, 12\})$	11943936

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Table 6 – continued from previous page

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

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 6, 12^4\})$	1658880
12	$\mathcal{O}(2; \{12^6\})$	14598144
12	$\mathcal{O}(1; \{2^{12}, 4^2\})$	256
12	$\mathcal{O}(1; \{2^8, 3^3, 4^2\})$	576
12	$\mathcal{O}(1; \{2^4, 3^6, 4^2\})$	6336
12	$\mathcal{O}(1; \{3^9, 4^2\})$	48960
12	$\mathcal{O}(1; \{2^9, 4^4\})$	1024
12	$\mathcal{O}(1; \{2^5, 3^3, 4^4\})$	2304
12	$\mathcal{O}(1; \{2, 3^6, 4^4\})$	25344
12	$\mathcal{O}(1; \{2^6, 4^6\})$	4096
12	$\mathcal{O}(1; \{2^2, 3^3, 4^6\})$	9216
12	$\mathcal{O}(1; \{2^3, 4^8\})$	16384
12	$\mathcal{O}(1; \{4^{10}\})$	65536
12	$\mathcal{O}(1; \{2^9, 3, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{2^5, 3^4, 4^2, 6\})$	2880
12	$\mathcal{O}(1; \{2, 3^7, 4^2, 6\})$	24768
12	$\mathcal{O}(1; \{2^6, 3, 4^4, 6\})$	2304
12	$\mathcal{O}(1; \{2^2, 3^4, 4^4, 6\})$	11520
12	$\mathcal{O}(1; \{2^3, 3, 4^6, 6\})$	9216
12	$\mathcal{O}(1; \{3, 4^8, 6\})$	36864
12	$\mathcal{O}(1; \{2^6, 3^2, 4^2, 6^2\})$	1728
12	$\mathcal{O}(1; \{2^2, 3^5, 4^2, 6^2\})$	12096
12	$\mathcal{O}(1; \{2^3, 3^2, 4^4, 6^2\})$	6912
12	$\mathcal{O}(1; \{3^2, 4^6, 6^2\})$	27648
12	$\mathcal{O}(1; \{2^7, 4^2, 6^3\})$	576
12	$\mathcal{O}(1; \{2^3, 3^3, 4^2, 6^3\})$	6336
12	$\mathcal{O}(1; \{2^4, 4^4, 6^3\})$	2304
12	$\mathcal{O}(1; \{3^3, 4^4, 6^3\})$	25344
12	$\mathcal{O}(1; \{2, 4^6, 6^3\})$	9216
12	$\mathcal{O}(1; \{2^4, 3, 4^2, 6^4\})$	2880
12	$\mathcal{O}(1; \{3^4, 4^2, 6^4\})$	24768
12	$\mathcal{O}(1; \{2, 3, 4^4, 6^4\})$	11520
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 6^5\})$	12096
12	$\mathcal{O}(1; \{2^2, 4^2, 6^6\})$	6336
12	$\mathcal{O}(1; \{2^9, 3^2, 4, 12\})$	576
12	$\mathcal{O}(1; \{2^5, 3^5, 4, 12\})$	6336
12	$\mathcal{O}(1; \{2, 3^8, 4, 12\})$	48960
12	$\mathcal{O}(1; \{2^6, 3^2, 4^3, 12\})$	2304
12	$\mathcal{O}(1; \{2^2, 3^5, 4^3, 12\})$	25344
12	$\mathcal{O}(1; \{2^3, 3^2, 4^5, 12\})$	9216
12	$\mathcal{O}(1; \{3^2, 4^7, 12\})$	36864
12	$\mathcal{O}(1; \{2^{10}, 4, 6, 12\})$	576
12	$\mathcal{O}(1; \{2^6, 3^3, 4, 6, 12\})$	2880

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Table 6 – continued from previous page

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

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{4^2, 6^5, 12^2\})$	48384
12	$\mathcal{O}(1; \{3, 6^6, 12^2\})$	48960
12	$\mathcal{O}(1; \{2^8, 4, 12^3\})$	2304
12	$\mathcal{O}(1; \{2^4, 3^3, 4, 12^3\})$	25344
12	$\mathcal{O}(1; \{3^6, 4, 12^3\})$	195840
12	$\mathcal{O}(1; \{2^5, 4^3, 12^3\})$	9216
12	$\mathcal{O}(1; \{2, 3^3, 4^3, 12^3\})$	101376
12	$\mathcal{O}(1; \{2^2, 4^5, 12^3\})$	36864
12	$\mathcal{O}(1; \{2^5, 3, 4, 6, 12^3\})$	11520
12	$\mathcal{O}(1; \{2, 3^4, 4, 6, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^2, 3, 4^3, 6, 12^3\})$	46080
12	$\mathcal{O}(1; \{2^2, 3^2, 4, 6^2, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^3, 4, 6^3, 12^3\})$	25344
12	$\mathcal{O}(1; \{4^3, 6^3, 12^3\})$	101376
12	$\mathcal{O}(1; \{3, 4, 6^4, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^5, 3^2, 12^4\})$	25344
12	$\mathcal{O}(1; \{2, 3^5, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 12^4\})$	101376
12	$\mathcal{O}(1; \{2^6, 6, 12^4\})$	11520
12	$\mathcal{O}(1; \{2^2, 3^3, 6, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^3, 4^2, 6, 12^4\})$	46080
12	$\mathcal{O}(1; \{4^4, 6, 12^4\})$	184320
12	$\mathcal{O}(1; \{2^3, 3, 6^2, 12^4\})$	48384
12	$\mathcal{O}(1; \{3, 4^2, 6^2, 12^4\})$	193536
12	$\mathcal{O}(1; \{3^2, 6^3, 12^4\})$	195840
12	$\mathcal{O}(1; \{2, 6^4, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^3, 3, 4, 12^5\})$	101376
12	$\mathcal{O}(1; \{3, 4^3, 12^5\})$	405504
12	$\mathcal{O}(1; \{3^2, 4, 6, 12^5\})$	396288
12	$\mathcal{O}(1; \{2, 4, 6^2, 12^5\})$	193536
12	$\mathcal{O}(1; \{2^4, 12^6\})$	101376
12	$\mathcal{O}(1; \{3^3, 12^6\})$	783360
12	$\mathcal{O}(1; \{2, 4^2, 12^6\})$	405504
12	$\mathcal{O}(1; \{2, 3, 6, 12^6\})$	396288
12	$\mathcal{O}(0; \{2^{12}, 3^3, 4^2\})$	4
12	$\mathcal{O}(0; \{2^8, 3^6, 4^2\})$	44
12	$\mathcal{O}(0; \{2^4, 3^9, 4^2\})$	340
12	$\mathcal{O}(0; \{3^{12}, 4^2\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^3, 4^4\})$	16
12	$\mathcal{O}(0; \{2^5, 3^6, 4^4\})$	176
12	$\mathcal{O}(0; \{2, 3^9, 4^4\})$	1360
12	$\mathcal{O}(0; \{2^6, 3^3, 4^6\})$	64
12	$\mathcal{O}(0; \{2^2, 3^6, 4^6\})$	704

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Table 6 – continued from previous page

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

Continued on next page

Table 6 – continued from previous page

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

Continued on next page

Table 6 – continued from previous page

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

Continued on next page

Table 6 – continued from previous page

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

Continued on next page

Table 6 – continued from previous page

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

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3^3, 6^4, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^2, 4^2, 6^4, 12^4\})$	2752
12	$\mathcal{O}(0; \{2^2, 3, 6^5, 12^4\})$	2736
12	$\mathcal{O}(0; \{6^7, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^7, 3, 4, 12^5\})$	704
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 12^5\})$	2816
12	$\mathcal{O}(0; \{3^4, 4^3, 12^5\})$	21760
12	$\mathcal{O}(0; \{2, 3, 4^5, 12^5\})$	11264
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6, 12^5\})$	2752
12	$\mathcal{O}(0; \{3^5, 4, 6, 12^5\})$	21824
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6, 12^5\})$	11008
12	$\mathcal{O}(0; \{2^5, 4, 6^2, 12^5\})$	1344
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^2, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^2, 4^3, 6^2, 12^5\})$	5376
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^3, 12^5\})$	5440
12	$\mathcal{O}(0; \{4, 6^5, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^8, 12^6\})$	704
12	$\mathcal{O}(0; \{2^4, 3^3, 12^6\})$	5440
12	$\mathcal{O}(0; \{3^6, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^5, 4^2, 12^6\})$	2816
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 12^6\})$	21760
12	$\mathcal{O}(0; \{2^2, 4^4, 12^6\})$	11264
12	$\mathcal{O}(0; \{2^5, 3, 6, 12^6\})$	2752
12	$\mathcal{O}(0; \{2, 3^4, 6, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 12^6\})$	11008
12	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^3, 6^3, 12^6\})$	5440
12	$\mathcal{O}(0; \{4^2, 6^3, 12^6\})$	21760
12	$\mathcal{O}(0; \{3, 6^4, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 12^7\})$	21760
12	$\mathcal{O}(0; \{2^3, 4, 6, 12^7\})$	11008
12	$\mathcal{O}(0; \{4^3, 6, 12^7\})$	44032
12	$\mathcal{O}(0; \{3, 4, 6^2, 12^7\})$	43776
12	$\mathcal{O}(0; \{2^3, 3, 12^8\})$	21760
12	$\mathcal{O}(0; \{3, 4^2, 12^8\})$	87040
12	$\mathcal{O}(0; \{3^2, 6, 12^8\})$	87296
12	$\mathcal{O}(0; \{2, 6^2, 12^8\})$	43776
12	$\mathcal{O}(0; \{2, 4, 12^9\})$	87040
14	$\mathcal{O}(2; \{2^2, 7^4\})$	7145376
14	$\mathcal{O}(2; \{7^3, 14^2\})$	42641760
14	$\mathcal{O}(1; \{2^6, 7^4\})$	36456
14	$\mathcal{O}(1; \{2^4, 7^3, 14^2\})$	217560

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(1; \{2^2, 7^2, 14^4\})$	1306536
14	$\mathcal{O}(1; \{7, 14^6\})$	7838040
14	$\mathcal{O}(0; \{2^{10}, 7^4\})$	186
14	$\mathcal{O}(0; \{2^3, 7^7, 14\})$	239946
14	$\mathcal{O}(0; \{2^8, 7^3, 14^2\})$	1110
14	$\mathcal{O}(0; \{2, 7^6, 14^3\})$	1439670
14	$\mathcal{O}(0; \{2^6, 7^2, 14^4\})$	6666
14	$\mathcal{O}(0; \{2^4, 7, 14^6\})$	39990
14	$\mathcal{O}(0; \{2^2, 14^8\})$	239946
15	$\mathcal{O}(4; \emptyset)$	2562493440
15	$\mathcal{O}(3; \{3^3\})$	22779792
15	$\mathcal{O}(2; \{3^6\})$	1111968
15	$\mathcal{O}(2; \{5^5\})$	10200000
15	$\mathcal{O}(2; \{3, 5^3, 15\})$	5265000
15	$\mathcal{O}(2; \{3^2, 5, 15^2\})$	3645000
15	$\mathcal{O}(1; \{3^9\})$	36720
15	$\mathcal{O}(1; \{3^3, 5^5\})$	91800
15	$\mathcal{O}(1; \{3^4, 5^3, 15\})$	117000
15	$\mathcal{O}(1; \{3^5, 5, 15^2\})$	113400
15	$\mathcal{O}(1; \{5^4, 15^3\})$	1474200
15	$\mathcal{O}(1; \{3, 5^2, 15^4\})$	1845000
15	$\mathcal{O}(1; \{3^2, 15^5\})$	1927800
15	$\mathcal{O}(0; \{3^6, 5^5\})$	4488
15	$\mathcal{O}(0; \{3^7, 5^3, 15\})$	4472
15	$\mathcal{O}(0; \{3, 5^8, 15\})$	104856
15	$\mathcal{O}(0; \{3^8, 5, 15^2\})$	4104
15	$\mathcal{O}(0; \{3^2, 5^6, 15^2\})$	78648
15	$\mathcal{O}(0; \{3^3, 5^4, 15^3\})$	72072
15	$\mathcal{O}(0; \{3^4, 5^2, 15^4\})$	70520
15	$\mathcal{O}(0; \{3^5, 15^5\})$	69768
15	$\mathcal{O}(0; \{5^3, 15^6\})$	1153416
15	$\mathcal{O}(0; \{3, 5, 15^7\})$	1127288
16	$\mathcal{O}(2; \{2^2, 4, 16^2\})$	1048576
16	$\mathcal{O}(2; \{8^2, 16^2\})$	8388608
16	$\mathcal{O}(1; \{2^6, 4, 16^2\})$	4096
16	$\mathcal{O}(1; \{2^3, 4^3, 16^2\})$	16384
16	$\mathcal{O}(1; \{4^5, 16^2\})$	65536
16	$\mathcal{O}(1; \{2^4, 8^2, 16^2\})$	32768
16	$\mathcal{O}(1; \{2, 4^2, 8^2, 16^2\})$	131072
16	$\mathcal{O}(1; \{2^2, 8, 16^4\})$	524288
16	$\mathcal{O}(1; \{16^6\})$	8388608
16	$\mathcal{O}(0; \{2^{10}, 4, 16^2\})$	16
16	$\mathcal{O}(0; \{2^7, 4^3, 16^2\})$	64

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(0; \{2^4, 4^5, 16^2\})$	256
16	$\mathcal{O}(0; \{2, 4^7, 16^2\})$	1024
16	$\mathcal{O}(0; \{2^8, 8^2, 16^2\})$	128
16	$\mathcal{O}(0; \{2^5, 4^2, 8^2, 16^2\})$	512
16	$\mathcal{O}(0; \{2^2, 4^4, 8^2, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^3, 4, 8^4, 16^2\})$	4096
16	$\mathcal{O}(0; \{4^3, 8^4, 16^2\})$	16384
16	$\mathcal{O}(0; \{2, 8^6, 16^2\})$	32768
16	$\mathcal{O}(0; \{2^6, 8, 16^4\})$	2048
16	$\mathcal{O}(0; \{2^3, 4^2, 8, 16^4\})$	8192
16	$\mathcal{O}(0; \{4^4, 8, 16^4\})$	32768
16	$\mathcal{O}(0; \{2, 4, 8^3, 16^4\})$	65536
16	$\mathcal{O}(0; \{2^4, 16^6\})$	32768
16	$\mathcal{O}(0; \{2, 4^2, 16^6\})$	131072
18	$\mathcal{O}(3; \{2^2\})$	33965568
18	$\mathcal{O}(2; \{2^6\})$	103680
18	$\mathcal{O}(2; \{2^2, 3^3\})$	207360
18	$\mathcal{O}(2; \{2^3, 3, 6\})$	207360
18	$\mathcal{O}(2; \{3^2, 6^2\})$	622080
18	$\mathcal{O}(2; \{2, 6^3\})$	207360
18	$\mathcal{O}(2; \{2, 3, 9, 18\})$	1259712
18	$\mathcal{O}(1; \{2^{10}\})$	288
18	$\mathcal{O}(1; \{2^6, 3^3\})$	576
18	$\mathcal{O}(1; \{2^2, 3^6\})$	6336
18	$\mathcal{O}(1; \{2^7, 3, 6\})$	576
18	$\mathcal{O}(1; \{2^3, 3^4, 6\})$	2880
18	$\mathcal{O}(1; \{2^4, 3^2, 6^2\})$	1728
18	$\mathcal{O}(1; \{3^5, 6^2\})$	12096
18	$\mathcal{O}(1; \{2^5, 6^3\})$	576
18	$\mathcal{O}(1; \{2, 3^3, 6^3\})$	6336
18	$\mathcal{O}(1; \{2^2, 3, 6^4\})$	2880
18	$\mathcal{O}(1; \{6^6\})$	6336
18	$\mathcal{O}(1; \{2^2, 3^2, 9^3\})$	23328
18	$\mathcal{O}(1; \{2^3, 6, 9^3\})$	11664
18	$\mathcal{O}(1; \{3, 6^2, 9^3\})$	46656
18	$\mathcal{O}(1; \{2^5, 3, 9, 18\})$	3888
18	$\mathcal{O}(1; \{2, 3^4, 9, 18\})$	31104
18	$\mathcal{O}(1; \{2^2, 3^2, 6, 9, 18\})$	15552
18	$\mathcal{O}(1; \{2^3, 6^2, 9, 18\})$	7776
18	$\mathcal{O}(1; \{3, 6^3, 9, 18\})$	31104
18	$\mathcal{O}(1; \{2, 9^4, 18\})$	262440
18	$\mathcal{O}(1; \{3^2, 9^2, 18^2\})$	209952
18	$\mathcal{O}(1; \{2, 6, 9^2, 18^2\})$	104976

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^3, 3, 18^3\})$	11664
18	$\mathcal{O}(1; \{3^2, 6, 18^3\})$	46656
18	$\mathcal{O}(1; \{2, 6^2, 18^3\})$	23328
18	$\mathcal{O}(0; \{2^6, 3^2, 9^3\})$	72
18	$\mathcal{O}(0; \{2^2, 3^5, 9^3\})$	576
18	$\mathcal{O}(0; \{2^7, 6, 9^3\})$	36
18	$\mathcal{O}(0; \{2^3, 3^3, 6, 9^3\})$	288
18	$\mathcal{O}(0; \{2^4, 3, 6^2, 9^3\})$	144
18	$\mathcal{O}(0; \{3^4, 6^2, 9^3\})$	1152
18	$\mathcal{O}(0; \{2, 3^2, 6^3, 9^3\})$	576
18	$\mathcal{O}(0; \{2^2, 6^4, 9^3\})$	288
18	$\mathcal{O}(0; \{2^2, 3, 9^6\})$	10692
18	$\mathcal{O}(0; \{6^2, 9^6\})$	21384
18	$\mathcal{O}(0; \{2^9, 3, 9, 18\})$	12
18	$\mathcal{O}(0; \{2^5, 3^4, 9, 18\})$	96
18	$\mathcal{O}(0; \{2, 3^7, 9, 18\})$	768
18	$\mathcal{O}(0; \{2^6, 3^2, 6, 9, 18\})$	48
18	$\mathcal{O}(0; \{2^2, 3^5, 6, 9, 18\})$	384
18	$\mathcal{O}(0; \{2^7, 6^2, 9, 18\})$	24
18	$\mathcal{O}(0; \{2^3, 3^3, 6^2, 9, 18\})$	192
18	$\mathcal{O}(0; \{2^4, 3, 6^3, 9, 18\})$	96
18	$\mathcal{O}(0; \{3^4, 6^3, 9, 18\})$	768
18	$\mathcal{O}(0; \{2, 3^2, 6^4, 9, 18\})$	384
18	$\mathcal{O}(0; \{2^2, 6^5, 9, 18\})$	192
18	$\mathcal{O}(0; \{2^5, 9^4, 18\})$	810
18	$\mathcal{O}(0; \{2, 3^3, 9^4, 18\})$	6480
18	$\mathcal{O}(0; \{2^2, 3, 6, 9^4, 18\})$	3240
18	$\mathcal{O}(0; \{6^3, 9^4, 18\})$	6480
18	$\mathcal{O}(0; \{2^4, 3^2, 9^2, 18^2\})$	648
18	$\mathcal{O}(0; \{3^5, 9^2, 18^2\})$	5184
18	$\mathcal{O}(0; \{2^5, 6, 9^2, 18^2\})$	324
18	$\mathcal{O}(0; \{2, 3^3, 6, 9^2, 18^2\})$	2592
18	$\mathcal{O}(0; \{2^2, 3, 6^2, 9^2, 18^2\})$	1296
18	$\mathcal{O}(0; \{6^4, 9^2, 18^2\})$	2592
18	$\mathcal{O}(0; \{3, 9^5, 18^2\})$	61236
18	$\mathcal{O}(0; \{2^7, 3, 18^3\})$	36
18	$\mathcal{O}(0; \{2^3, 3^4, 18^3\})$	288
18	$\mathcal{O}(0; \{2^4, 3^2, 6, 18^3\})$	144
18	$\mathcal{O}(0; \{3^5, 6, 18^3\})$	1152
18	$\mathcal{O}(0; \{2^5, 6^2, 18^3\})$	72
18	$\mathcal{O}(0; \{2, 3^3, 6^2, 18^3\})$	576
18	$\mathcal{O}(0; \{2^2, 3, 6^3, 18^3\})$	288
18	$\mathcal{O}(0; \{6^5, 18^3\})$	576

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^3, 9^3, 18^3\})$	5346
18	$\mathcal{O}(0; \{3, 6, 9^3, 18^3\})$	21384
18	$\mathcal{O}(0; \{2^2, 3^2, 9, 18^4\})$	3240
18	$\mathcal{O}(0; \{2^3, 6, 9, 18^4\})$	1620
18	$\mathcal{O}(0; \{3, 6^2, 9, 18^4\})$	6480
18	$\mathcal{O}(0; \{2, 9^2, 18^5\})$	30618
18	$\mathcal{O}(0; \{3^2, 18^6\})$	21384
18	$\mathcal{O}(0; \{2, 6, 18^6\})$	10692
19	$\mathcal{O}(1; \{19^5\})$	35901450
20	$\mathcal{O}(2; \{2^2, 4^2\})$	319488
20	$\mathcal{O}(2; \{4, 5, 20\})$	1280000
20	$\mathcal{O}(1; \{2^6, 4^2\})$	768
20	$\mathcal{O}(1; \{2^3, 4^4\})$	3072
20	$\mathcal{O}(1; \{4^6\})$	12288
20	$\mathcal{O}(1; \{2, 4^2, 5^2, 10\})$	9600
20	$\mathcal{O}(1; \{2^4, 4, 5, 20\})$	3200
20	$\mathcal{O}(1; \{2, 4^3, 5, 20\})$	12800
20	$\mathcal{O}(1; \{2^2, 4, 10^2, 20\})$	9600
20	$\mathcal{O}(1; \{2^2, 5^2, 20^2\})$	41600
20	$\mathcal{O}(1; \{5, 10^2, 20^2\})$	163200
20	$\mathcal{O}(1; \{4, 10, 20^3\})$	166400
20	$\mathcal{O}(0; \{2^2, 4^2, 5^5\})$	408
20	$\mathcal{O}(0; \{2^5, 4^2, 5^2, 10\})$	24
20	$\mathcal{O}(0; \{2^2, 4^4, 5^2, 10\})$	96
20	$\mathcal{O}(0; \{4^2, 5^4, 10^2\})$	1640
20	$\mathcal{O}(0; \{2^3, 4^2, 5, 10^3\})$	104
20	$\mathcal{O}(0; \{4^4, 5, 10^3\})$	416
20	$\mathcal{O}(0; \{2, 4^2, 10^5\})$	408
20	$\mathcal{O}(0; \{2^8, 4, 5, 20\})$	8
20	$\mathcal{O}(0; \{2^5, 4^3, 5, 20\})$	32
20	$\mathcal{O}(0; \{2^2, 4^5, 5, 20\})$	128
20	$\mathcal{O}(0; \{4, 5^6, 20\})$	6552
20	$\mathcal{O}(0; \{2^3, 4, 5^3, 10, 20\})$	408
20	$\mathcal{O}(0; \{4^3, 5^3, 10, 20\})$	1632
20	$\mathcal{O}(0; \{2^6, 4, 10^2, 20\})$	24
20	$\mathcal{O}(0; \{2^3, 4^3, 10^2, 20\})$	96
20	$\mathcal{O}(0; \{4^5, 10^2, 20\})$	384
20	$\mathcal{O}(0; \{2, 4, 5^2, 10^3, 20\})$	1640
20	$\mathcal{O}(0; \{2^6, 5^2, 20^2\})$	104
20	$\mathcal{O}(0; \{2^3, 4^2, 5^2, 20^2\})$	416
20	$\mathcal{O}(0; \{4^4, 5^2, 20^2\})$	1664
20	$\mathcal{O}(0; \{2, 5^4, 10, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^4, 5, 10^2, 20^2\})$	408

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2, 4^2, 5, 10^2, 20^2\})$	1632
20	$\mathcal{O}(0; \{2^2, 10^4, 20^2\})$	1640
20	$\mathcal{O}(0; \{2, 4, 5^3, 20^3\})$	6560
20	$\mathcal{O}(0; \{2^4, 4, 10, 20^3\})$	416
20	$\mathcal{O}(0; \{2, 4^3, 10, 20^3\})$	1664
20	$\mathcal{O}(0; \{2^2, 5, 10, 20^4\})$	6560
20	$\mathcal{O}(0; \{10^3, 20^4\})$	26208
20	$\mathcal{O}(0; \{2^2, 4, 20^5\})$	6528
20	$\mathcal{O}(0; \{5, 20^6\})$	104832
21	$\mathcal{O}(1; \{7^5\})$	435120
21	$\mathcal{O}(1; \{3, 7^2, 21^2\})$	164052
21	$\mathcal{O}(0; \{3^3, 7^5\})$	2220
21	$\mathcal{O}(0; \{3^4, 7^2, 21^2\})$	4092
21	$\mathcal{O}(0; \{7^4, 21^3\})$	79980
21	$\mathcal{O}(0; \{3, 7, 21^5\})$	146652
22	$\mathcal{O}(0; \{2^3, 11^4, 22\})$	9090
22	$\mathcal{O}(0; \{2, 11^3, 22^3\})$	90910
23	$\mathcal{O}(2; \{23^2\})$	6156502
24	$\mathcal{O}(2; \{8^2\})$	1310720
24	$\mathcal{O}(1; \{2^4, 8^2\})$	2048
24	$\mathcal{O}(1; \{3^3, 8^2\})$	4608
24	$\mathcal{O}(1; \{2, 4^2, 8^2\})$	8192
24	$\mathcal{O}(1; \{2, 3, 6, 8^2\})$	4608
24	$\mathcal{O}(1; \{2, 3, 4, 8, 24\})$	9216
24	$\mathcal{O}(1; \{2^2, 8, 12, 24\})$	9216
24	$\mathcal{O}(1; \{2, 3^2, 24^2\})$	13824
24	$\mathcal{O}(1; \{2^2, 6, 24^2\})$	4608
24	$\mathcal{O}(1; \{12^2, 24^2\})$	55296
24	$\mathcal{O}(1; \{8, 24^3\})$	73728
24	$\mathcal{O}(0; \{2^4, 3^3, 8^2\})$	8
24	$\mathcal{O}(0; \{3^6, 8^2\})$	88
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 8^2\})$	32
24	$\mathcal{O}(0; \{2^5, 3, 6, 8^2\})$	8
24	$\mathcal{O}(0; \{2, 3^4, 6, 8^2\})$	40
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 8^2\})$	32
24	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 8^2\})$	24
24	$\mathcal{O}(0; \{2^3, 6^3, 8^2\})$	8
24	$\mathcal{O}(0; \{4^2, 6^3, 8^2\})$	32
24	$\mathcal{O}(0; \{3, 6^4, 8^2\})$	40
24	$\mathcal{O}(0; \{3, 4, 6, 8^4\})$	256
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{2^3, 4, 6, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{4^3, 6, 8^2, 12\})$	128

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Table 6 – continued from previous page

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

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 4, 6, 8^2, 24^2\})$	256
24	$\mathcal{O}(0; \{2^3, 3, 4, 12, 24^2\})$	96
24	$\mathcal{O}(0; \{3, 4^3, 12, 24^2\})$	384
24	$\mathcal{O}(0; \{3^2, 4, 6, 12, 24^2\})$	352
24	$\mathcal{O}(0; \{2, 4, 6^2, 12, 24^2\})$	160
24	$\mathcal{O}(0; \{2, 3, 8^2, 12, 24^2\})$	768
24	$\mathcal{O}(0; \{2^4, 12^2, 24^2\})$	96
24	$\mathcal{O}(0; \{3^3, 12^2, 24^2\})$	672
24	$\mathcal{O}(0; \{2, 4^2, 12^2, 24^2\})$	384
24	$\mathcal{O}(0; \{2, 3, 6, 12^2, 24^2\})$	352
24	$\mathcal{O}(0; \{2^4, 8, 24^3\})$	128
24	$\mathcal{O}(0; \{3^3, 8, 24^3\})$	1408
24	$\mathcal{O}(0; \{2, 4^2, 8, 24^3\})$	512
24	$\mathcal{O}(0; \{2, 3, 6, 8, 24^3\})$	640
24	$\mathcal{O}(0; \{2, 3, 4, 24^4\})$	1280
24	$\mathcal{O}(0; \{2^2, 12, 24^4\})$	1280
24	$\mathcal{O}(0; \{24^6\})$	22528
25	$\mathcal{O}(2; \{5^2\})$	1560000
25	$\mathcal{O}(0; \{5, 25^5\})$	510000
27	$\mathcal{O}(2; \{3^2\})$	1049760
27	$\mathcal{O}(1; \{3^5\})$	6480
27	$\mathcal{O}(1; \{3, 9^3\})$	23328
27	$\mathcal{O}(0; \{3, 9^2, 27^3\})$	11664
28	$\mathcal{O}(1; \{4^2, 7^2\})$	9408
28	$\mathcal{O}(0; \{2^4, 4^2, 7^2\})$	12
28	$\mathcal{O}(0; \{2, 4^4, 7^2\})$	48
28	$\mathcal{O}(0; \{2^2, 4^2, 7, 14^2\})$	60
28	$\mathcal{O}(0; \{4^2, 14^4\})$	372
28	$\mathcal{O}(0; \{4, 7^3, 14, 28\})$	2220
28	$\mathcal{O}(0; \{2^3, 7, 14, 28^2\})$	372
28	$\mathcal{O}(0; \{4^2, 7, 14, 28^2\})$	1488
28	$\mathcal{O}(0; \{2, 14^3, 28^2\})$	2220
28	$\mathcal{O}(0; \{2, 7, 28^4\})$	8880
30	$\mathcal{O}(2; \{2^2\})$	798720
30	$\mathcal{O}(1; \{2^6\})$	768
30	$\mathcal{O}(1; \{2^2, 3^3\})$	1728
30	$\mathcal{O}(1; \{2^3, 3, 6\})$	1728
30	$\mathcal{O}(1; \{3^2, 6^2\})$	5184
30	$\mathcal{O}(1; \{2, 6^3\})$	1728
30	$\mathcal{O}(1; \{2, 5^2, 10\})$	9600
30	$\mathcal{O}(1; \{2, 3, 10, 15\})$	7200
30	$\mathcal{O}(0; \{2, 3^3, 5^2, 10\})$	24
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 6, 10\})$	24

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{5^2, 6^3, 10\})$	24
30	$\mathcal{O}(0; \{3, 5, 6, 10^3\})$	104
30	$\mathcal{O}(0; \{2^2, 3, 5^3, 15\})$	104
30	$\mathcal{O}(0; \{5^3, 6^2, 15\})$	104
30	$\mathcal{O}(0; \{2^5, 3, 10, 15\})$	8
30	$\mathcal{O}(0; \{2, 3^4, 10, 15\})$	40
30	$\mathcal{O}(0; \{2^2, 3^2, 6, 10, 15\})$	24
30	$\mathcal{O}(0; \{2^3, 6^2, 10, 15\})$	8
30	$\mathcal{O}(0; \{3, 6^3, 10, 15\})$	40
30	$\mathcal{O}(0; \{3, 5^2, 10^2, 15\})$	408
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 15^2\})$	72
30	$\mathcal{O}(0; \{2^3, 5, 6, 15^2\})$	24
30	$\mathcal{O}(0; \{3, 5, 6^2, 15^2\})$	120
30	$\mathcal{O}(0; \{3^2, 10^2, 15^2\})$	312
30	$\mathcal{O}(0; \{2, 6, 10^2, 15^2\})$	104
30	$\mathcal{O}(0; \{2, 5, 10, 15^3\})$	408
30	$\mathcal{O}(0; \{5^4, 6, 30\})$	408
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 10, 30\})$	24
30	$\mathcal{O}(0; \{2^3, 5, 6, 10, 30\})$	24
30	$\mathcal{O}(0; \{3, 5, 6^2, 10, 30\})$	72
30	$\mathcal{O}(0; \{3^2, 10^3, 30\})$	104
30	$\mathcal{O}(0; \{2, 6, 10^3, 30\})$	104
30	$\mathcal{O}(0; \{2^3, 5^2, 15, 30\})$	104
30	$\mathcal{O}(0; \{3, 5^2, 6, 15, 30\})$	312
30	$\mathcal{O}(0; \{2, 5, 10^2, 15, 30\})$	408
30	$\mathcal{O}(0; \{2^3, 3, 15^2, 30\})$	72
30	$\mathcal{O}(0; \{3^2, 6, 15^2, 30\})$	264
30	$\mathcal{O}(0; \{2, 6^2, 15^2, 30\})$	120
30	$\mathcal{O}(0; \{3, 5^3, 30^2\})$	408
30	$\mathcal{O}(0; \{2^3, 3, 10, 30^2\})$	24
30	$\mathcal{O}(0; \{3^2, 6, 10, 30^2\})$	120
30	$\mathcal{O}(0; \{2, 6^2, 10, 30^2\})$	72
30	$\mathcal{O}(0; \{3^2, 5, 15, 30^2\})$	520
30	$\mathcal{O}(0; \{2, 5, 6, 15, 30^2\})$	312
30	$\mathcal{O}(0; \{2, 5^2, 30^3\})$	408
30	$\mathcal{O}(0; \{2, 3, 15, 30^3\})$	520
31	$\mathcal{O}(1; \{31^3\})$	836070
32	$\mathcal{O}(1; \{8, 32^2\})$	65536
32	$\mathcal{O}(0; \{2^4, 8, 32^2\})$	64
32	$\mathcal{O}(0; \{2, 4^2, 8, 32^2\})$	256
32	$\mathcal{O}(0; \{2^2, 16^2, 32^2\})$	1024
32	$\mathcal{O}(0; \{16, 32^4\})$	32768
33	$\mathcal{O}(1; \{11^3\})$	87120

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
33	$\mathcal{O}(0; \{3^3, 11^3\})$	180
33	$\mathcal{O}(0; \{11^2, 33^3\})$	18180
35	$\mathcal{O}(1; \{7^3\})$	35280
35	$\mathcal{O}(0; \{5, 7, 35^3\})$	9672
36	$\mathcal{O}(1; \{2^2, 4^2\})$	2304
36	$\mathcal{O}(1; \{4, 6, 12\})$	4608
36	$\mathcal{O}(1; \{3, 12^2\})$	4608
36	$\mathcal{O}(0; \{9^3, 12^2\})$	144
36	$\mathcal{O}(0; \{2, 3, 4^2, 9, 18\})$	24
36	$\mathcal{O}(0; \{2^2, 4, 9, 12, 18\})$	24
36	$\mathcal{O}(0; \{6, 9, 12^2, 18\})$	96
36	$\mathcal{O}(0; \{4, 12, 18^3\})$	72
36	$\mathcal{O}(0; \{2^2, 4, 9^2, 36\})$	36
36	$\mathcal{O}(0; \{6, 9^2, 12, 36\})$	144
36	$\mathcal{O}(0; \{2, 3^2, 4, 18, 36\})$	48
36	$\mathcal{O}(0; \{2^2, 4, 6, 18, 36\})$	24
36	$\mathcal{O}(0; \{2^2, 3, 12, 18, 36\})$	48
36	$\mathcal{O}(0; \{6^2, 12, 18, 36\})$	96
36	$\mathcal{O}(0; \{4, 12^2, 18, 36\})$	192
36	$\mathcal{O}(0; \{4, 9, 18^2, 36\})$	324
36	$\mathcal{O}(0; \{2^2, 3, 9, 36^2\})$	72
36	$\mathcal{O}(0; \{6^2, 9, 36^2\})$	144
36	$\mathcal{O}(0; \{4, 9, 12, 36^2\})$	288
36	$\mathcal{O}(0; \{3, 18^2, 36^2\})$	648
36	$\mathcal{O}(0; \{4, 6, 36^3\})$	288
36	$\mathcal{O}(0; \{3, 12, 36^3\})$	576
38	$\mathcal{O}(0; \{2^3, 19^2, 38\})$	306
38	$\mathcal{O}(0; \{2, 19, 38^3\})$	5526
40	$\mathcal{O}(1; \{2, 8^2\})$	6144
40	$\mathcal{O}(0; \{5^2, 8^2, 10\})$	48
40	$\mathcal{O}(0; \{4, 5, 8^2, 20\})$	64
40	$\mathcal{O}(0; \{5^3, 8, 40\})$	208
40	$\mathcal{O}(0; \{2^3, 8, 10, 40\})$	16
40	$\mathcal{O}(0; \{4^2, 8, 10, 40\})$	64
40	$\mathcal{O}(0; \{2, 8, 20^2, 40\})$	192
40	$\mathcal{O}(0; \{2^3, 5, 40^2\})$	48
40	$\mathcal{O}(0; \{4^2, 5, 40^2\})$	192
40	$\mathcal{O}(0; \{2, 10^2, 40^2\})$	208
42	$\mathcal{O}(0; \{3, 6, 7^2, 14\})$	60
42	$\mathcal{O}(0; \{2^2, 3^2, 7, 21\})$	12
42	$\mathcal{O}(0; \{2^3, 6, 7, 21\})$	12
42	$\mathcal{O}(0; \{3, 6^2, 7, 21\})$	36
42	$\mathcal{O}(0; \{3^2, 14^2, 21\})$	60

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
42	$\mathcal{O}(0; \{2, 6, 14^2, 21\})$	60
42	$\mathcal{O}(0; \{2, 7^2, 21, 42\})$	372
42	$\mathcal{O}(0; \{3^2, 7, 42^2\})$	180
42	$\mathcal{O}(0; \{2, 6, 7, 42^2\})$	60
44	$\mathcal{O}(0; \{2, 4, 11^2, 44\})$	180
45	$\mathcal{O}(2; \emptyset)$	4043520
45	$\mathcal{O}(1; \{3^3\})$	3456
45	$\mathcal{O}(0; \{3^2, 5, 9, 45\})$	96
46	$\mathcal{O}(1; \{46^2\})$	46552
46	$\mathcal{O}(0; \{2^4, 46^2\})$	22
47	$\mathcal{O}(0; \{47^4\})$	95266
48	$\mathcal{O}(1; \{16^2\})$	16384
48	$\mathcal{O}(0; \{3^3, 16^2\})$	16
48	$\mathcal{O}(0; \{2, 3, 6, 16^2\})$	16
48	$\mathcal{O}(0; \{2^2, 16, 24, 48\})$	64
48	$\mathcal{O}(0; \{2, 3, 4, 48^2\})$	32
48	$\mathcal{O}(0; \{2^2, 12, 48^2\})$	32
48	$\mathcal{O}(0; \{24^2, 48^2\})$	768
48	$\mathcal{O}(0; \{16, 48^3\})$	1024
50	$\mathcal{O}(1; \{10^2\})$	9600
50	$\mathcal{O}(0; \{10, 25^2, 50\})$	1200
54	$\mathcal{O}(1; \{6^2\})$	5184
54	$\mathcal{O}(0; \{6, 9, 27, 54\})$	216
56	$\mathcal{O}(0; \{8^2, 14^2\})$	24
57	$\mathcal{O}(0; \{3, 19, 57^2\})$	612
60	$\mathcal{O}(1; \{4^2\})$	6144
60	$\mathcal{O}(0; \{4, 10, 12, 15\})$	16
60	$\mathcal{O}(0; \{5, 6, 12, 20\})$	16
60	$\mathcal{O}(0; \{3, 15, 20^2\})$	48
60	$\mathcal{O}(0; \{4, 6, 20, 30\})$	16
60	$\mathcal{O}(0; \{3, 12, 20, 30\})$	16
60	$\mathcal{O}(0; \{5^2, 12, 60\})$	48
60	$\mathcal{O}(0; \{4, 6, 15, 60\})$	16
60	$\mathcal{O}(0; \{3, 12, 15, 60\})$	48
60	$\mathcal{O}(0; \{3, 10, 20, 60\})$	48
60	$\mathcal{O}(0; \{4, 5, 30, 60\})$	48
62	$\mathcal{O}(0; \{2^3, 31, 62\})$	30
62	$\mathcal{O}(0; \{2, 62^3\})$	870
64	$\mathcal{O}(0; \{2, 16, 64^2\})$	256
66	$\mathcal{O}(0; \{3, 6, 11, 22\})$	20
66	$\mathcal{O}(0; \{2, 11, 33, 66\})$	180
69	$\mathcal{O}(0; \{3^2, 69^2\})$	132
72	$\mathcal{O}(0; \{2, 8, 9, 72\})$	24

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
76	$\mathcal{O}(0; \{2, 4, 19, 76\})$	36
90	$\mathcal{O}(1; \{2^2\})$	6912
92	$\mathcal{O}(0; \{2^2, 92^2\})$	44
93	$\mathcal{O}(0; \{93^3\})$	1740
94	$\mathcal{O}(0; \{2^2, 47^2\})$	46
94	$\mathcal{O}(0; \{47, 94^2\})$	2070
96	$\mathcal{O}(0; \{32, 48, 96\})$	256
96	$\mathcal{O}(0; \{24, 96^2\})$	128
100	$\mathcal{O}(0; \{20, 25, 100\})$	160
105	$\mathcal{O}(0; \{15, 21, 35\})$	48
114	$\mathcal{O}(0; \{6, 38, 57\})$	36
115	$\mathcal{O}(0; \{5, 115^2\})$	264
120	$\mathcal{O}(0; \{5, 24, 120\})$	32
124	$\mathcal{O}(0; \{4, 62, 124\})$	60
138	$\mathcal{O}(0; \{3, 138^2\})$	44
141	$\mathcal{O}(0; \{3, 47, 141\})$	92
184	$\mathcal{O}(0; \{2, 184^2\})$	88
186	$\mathcal{O}(0; \{2, 93, 186\})$	60

Table 7: 47-admissible orbifolds.

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(47; \emptyset)$	1
2	$\mathcal{O}(24; \emptyset)$	281474976710655
2	$\mathcal{O}(23; \{2^4\})$	70368744177664
2	$\mathcal{O}(22; \{2^8\})$	17592186044416
2	$\mathcal{O}(21; \{2^{12}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{16}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{20}\})$	274877906944
2	$\mathcal{O}(18; \{2^{24}\})$	68719476736
2	$\mathcal{O}(17; \{2^{28}\})$	17179869184
2	$\mathcal{O}(16; \{2^{32}\})$	4294967296
2	$\mathcal{O}(15; \{2^{36}\})$	1073741824
2	$\mathcal{O}(14; \{2^{40}\})$	268435456
2	$\mathcal{O}(13; \{2^{44}\})$	67108864
2	$\mathcal{O}(12; \{2^{48}\})$	16777216
2	$\mathcal{O}(11; \{2^{52}\})$	4194304
2	$\mathcal{O}(10; \{2^{56}\})$	1048576
2	$\mathcal{O}(9; \{2^{60}\})$	262144
2	$\mathcal{O}(8; \{2^{64}\})$	65536

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(7; \{2^{68}\})$	16384
2	$\mathcal{O}(6; \{2^{72}\})$	4096
2	$\mathcal{O}(5; \{2^{76}\})$	1024
2	$\mathcal{O}(4; \{2^{80}\})$	256
2	$\mathcal{O}(3; \{2^{84}\})$	64
2	$\mathcal{O}(2; \{2^{88}\})$	16
2	$\mathcal{O}(1; \{2^{92}\})$	4
2	$\mathcal{O}(0; \{2^{96}\})$	1
3	$\mathcal{O}(15; \{3^4\})$	1235346792567894
3	$\mathcal{O}(14; \{3^7\})$	960825283108362
3	$\mathcal{O}(13; \{3^{10}\})$	869318113288518
3	$\mathcal{O}(12; \{3^{13}\})$	771032634593130
3	$\mathcal{O}(11; \{3^{16}\})$	685550628218214
3	$\mathcal{O}(10; \{3^{19}\})$	609357415487562
3	$\mathcal{O}(9; \{3^{22}\})$	541653360511878
3	$\mathcal{O}(8; \{3^{25}\})$	481469395508010
3	$\mathcal{O}(7; \{3^{28}\})$	427972824704934
3	$\mathcal{O}(6; \{3^{31}\})$	380420285437962
3	$\mathcal{O}(5; \{3^{34}\})$	338151365188038
3	$\mathcal{O}(4; \{3^{37}\})$	300578991238890
3	$\mathcal{O}(3; \{3^{40}\})$	267181325550054
3	$\mathcal{O}(2; \{3^{43}\})$	237494511599562
3	$\mathcal{O}(1; \{3^{46}\})$	211106232532998
3	$\mathcal{O}(0; \{3^{49}\})$	187649984473770
4	$\mathcal{O}(12; \{2^2\})$	281474959933440
4	$\mathcal{O}(11; \{2^6\})$	17592181850112
4	$\mathcal{O}(11; \{2^3, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{4^4\})$	140737488355328
4	$\mathcal{O}(10; \{2^{10}\})$	1099510579200
4	$\mathcal{O}(10; \{2^7, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{2^4, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{2, 4^6\})$	35184372088832
4	$\mathcal{O}(9; \{2^{14}\})$	68719214592
4	$\mathcal{O}(9; \{2^{11}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^8, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^5, 4^6\})$	2199023255552
4	$\mathcal{O}(9; \{2^2, 4^8\})$	8796093022208
4	$\mathcal{O}(8; \{2^{18}\})$	4294901760
4	$\mathcal{O}(8; \{2^{15}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{12}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^9, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^6, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2^3, 4^{10}\})$	2199023255552

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(8; \{4^{12}\})$	8796093022208
4	$\mathcal{O}(7; \{2^{22}\})$	268419072
4	$\mathcal{O}(7; \{2^{19}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{16}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{13}, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^{10}, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^7, 4^{10}\})$	137438953472
4	$\mathcal{O}(7; \{2^4, 4^{12}\})$	549755813888
4	$\mathcal{O}(7; \{2, 4^{14}\})$	2199023255552
4	$\mathcal{O}(6; \{2^{26}\})$	16773120
4	$\mathcal{O}(6; \{2^{23}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{20}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{17}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^{14}, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^{11}, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^8, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{2^5, 4^{14}\})$	137438953472
4	$\mathcal{O}(6; \{2^2, 4^{16}\})$	549755813888
4	$\mathcal{O}(5; \{2^{30}\})$	1047552
4	$\mathcal{O}(5; \{2^{27}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^{24}, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^{21}, 4^6\})$	33554432
4	$\mathcal{O}(5; \{2^{18}, 4^8\})$	134217728
4	$\mathcal{O}(5; \{2^{15}, 4^{10}\})$	536870912
4	$\mathcal{O}(5; \{2^{12}, 4^{12}\})$	2147483648
4	$\mathcal{O}(5; \{2^9, 4^{14}\})$	8589934592
4	$\mathcal{O}(5; \{2^6, 4^{16}\})$	34359738368
4	$\mathcal{O}(5; \{2^3, 4^{18}\})$	137438953472
4	$\mathcal{O}(5; \{4^{20}\})$	549755813888
4	$\mathcal{O}(4; \{2^{34}\})$	65280
4	$\mathcal{O}(4; \{2^{31}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{28}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{25}, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^{22}, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^{19}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{16}, 4^{12}\})$	134217728
4	$\mathcal{O}(4; \{2^{13}, 4^{14}\})$	536870912
4	$\mathcal{O}(4; \{2^{10}, 4^{16}\})$	2147483648
4	$\mathcal{O}(4; \{2^7, 4^{18}\})$	8589934592
4	$\mathcal{O}(4; \{2^4, 4^{20}\})$	34359738368
4	$\mathcal{O}(4; \{2, 4^{22}\})$	137438953472
4	$\mathcal{O}(3; \{2^{38}\})$	4032
4	$\mathcal{O}(3; \{2^{35}, 4^2\})$	8192

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(3; \{2^{32}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{29}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{26}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{23}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{20}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{17}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{14}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^{11}, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^8, 4^{20}\})$	2147483648
4	$\mathcal{O}(3; \{2^5, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{2^2, 4^{24}\})$	34359738368
4	$\mathcal{O}(2; \{2^{42}\})$	240
4	$\mathcal{O}(2; \{2^{39}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{36}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{33}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{30}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{27}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{24}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{21}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{18}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{15}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{12}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^9, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^6, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2^3, 4^{26}\})$	8589934592
4	$\mathcal{O}(2; \{4^{28}\})$	34359738368
4	$\mathcal{O}(1; \{2^{46}\})$	12
4	$\mathcal{O}(1; \{2^{43}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{40}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{37}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{34}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{31}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{28}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{25}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{22}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{19}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{16}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{13}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^{10}, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^7, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^4, 4^{28}\})$	2147483648
4	$\mathcal{O}(1; \{2, 4^{30}\})$	8589934592
4	$\mathcal{O}(0; \{2^{47}, 4^2\})$	2

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(0; \{2^{44}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{41}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{38}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{35}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{32}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{29}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{26}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{23}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{20}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{17}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{14}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{11}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^8, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2^5, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2^2, 4^{32}\})$	2147483648
5	$\mathcal{O}(9; \{5^3\})$	45776367187500
5	$\mathcal{O}(7; \{5^8\})$	80004882812500
5	$\mathcal{O}(5; \{5^{13}\})$	131071992187500
5	$\mathcal{O}(3; \{5^{18}\})$	214748364812500
5	$\mathcal{O}(1; \{5^{23}\})$	351843720888300
6	$\mathcal{O}(8; \{3^2\})$	5642133721470
6	$\mathcal{O}(7; \{2^4, 3^2\})$	156728328192
6	$\mathcal{O}(7; \{3^5\})$	783593811270
6	$\mathcal{O}(7; \{2, 3^3, 6\})$	470184984576
6	$\mathcal{O}(7; \{2^2, 3, 6^2\})$	156728328192
6	$\mathcal{O}(7; \{6^4\})$	470184984576
6	$\mathcal{O}(6; \{2^8, 3^2\})$	4353564672
6	$\mathcal{O}(6; \{2^4, 3^5\})$	21767823360
6	$\mathcal{O}(6; \{3^8\})$	187157576970
6	$\mathcal{O}(6; \{2^5, 3^3, 6\})$	13060694016
6	$\mathcal{O}(6; \{2, 3^6, 6\})$	91424858112
6	$\mathcal{O}(6; \{2^6, 3, 6^2\})$	4353564672
6	$\mathcal{O}(6; \{2^2, 3^4, 6^2\})$	47889211392
6	$\mathcal{O}(6; \{2^3, 3^2, 6^3\})$	21767823360
6	$\mathcal{O}(6; \{2^4, 6^4\})$	13060694016
6	$\mathcal{O}(6; \{3^3, 6^4\})$	91424858112
6	$\mathcal{O}(6; \{2, 3, 6^5\})$	47889211392
6	$\mathcal{O}(5; \{2^{12}, 3^2\})$	120932352
6	$\mathcal{O}(5; \{2^8, 3^5\})$	604661760
6	$\mathcal{O}(5; \{2^4, 3^8\})$	5200091136
6	$\mathcal{O}(5; \{3^{11}\})$	41197660614
6	$\mathcal{O}(5; \{2^9, 3^3, 6\})$	362797056
6	$\mathcal{O}(5; \{2^5, 3^6, 6\})$	2539579392

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2, 3^9, 6\})$	20679432192
6	$\mathcal{O}(5; \{2^{10}, 3, 6^2\})$	120932352
6	$\mathcal{O}(5; \{2^6, 3^4, 6^2\})$	1330255872
6	$\mathcal{O}(5; \{2^2, 3^7, 6^2\})$	10279249920
6	$\mathcal{O}(5; \{2^7, 3^2, 6^3\})$	604661760
6	$\mathcal{O}(5; \{2^3, 3^5, 6^3\})$	5200091136
6	$\mathcal{O}(5; \{2^8, 6^4\})$	362797056
6	$\mathcal{O}(5; \{2^4, 3^3, 6^4\})$	2539579392
6	$\mathcal{O}(5; \{3^6, 6^4\})$	20679432192
6	$\mathcal{O}(5; \{2^5, 3, 6^5\})$	1330255872
6	$\mathcal{O}(5; \{2, 3^4, 6^5\})$	10279249920
6	$\mathcal{O}(5; \{2^2, 3^2, 6^6\})$	5200091136
6	$\mathcal{O}(5; \{2^3, 6^7\})$	2539579392
6	$\mathcal{O}(5; \{3, 6^8\})$	10279249920
6	$\mathcal{O}(4; \{2^{16}, 3^2\})$	3359232
6	$\mathcal{O}(4; \{2^{12}, 3^5\})$	16796160
6	$\mathcal{O}(4; \{2^8, 3^8\})$	144446976
6	$\mathcal{O}(4; \{2^4, 3^{11}\})$	1145498112
6	$\mathcal{O}(4; \{3^{14}\})$	9138226410
6	$\mathcal{O}(4; \{2^{13}, 3^3, 6\})$	10077696
6	$\mathcal{O}(4; \{2^9, 3^6, 6\})$	70543872
6	$\mathcal{O}(4; \{2^5, 3^9, 6\})$	574428672
6	$\mathcal{O}(4; \{2, 3^{12}, 6\})$	4585351680
6	$\mathcal{O}(4; \{2^{14}, 3, 6^2\})$	3359232
6	$\mathcal{O}(4; \{2^{10}, 3^4, 6^2\})$	36951552
6	$\mathcal{O}(4; \{2^6, 3^7, 6^2\})$	285534720
6	$\mathcal{O}(4; \{2^2, 3^{10}, 6^2\})$	2294355456
6	$\mathcal{O}(4; \{2^{11}, 3^2, 6^3\})$	16796160
6	$\mathcal{O}(4; \{2^7, 3^5, 6^3\})$	144446976
6	$\mathcal{O}(4; \{2^3, 3^8, 6^3\})$	1145498112
6	$\mathcal{O}(4; \{2^{12}, 6^4\})$	10077696
6	$\mathcal{O}(4; \{2^8, 3^3, 6^4\})$	70543872
6	$\mathcal{O}(4; \{2^4, 3^6, 6^4\})$	574428672
6	$\mathcal{O}(4; \{3^9, 6^4\})$	4585351680
6	$\mathcal{O}(4; \{2^9, 3, 6^5\})$	36951552
6	$\mathcal{O}(4; \{2^5, 3^4, 6^5\})$	285534720
6	$\mathcal{O}(4; \{2, 3^7, 6^5\})$	2294355456
6	$\mathcal{O}(4; \{2^6, 3^2, 6^6\})$	144446976
6	$\mathcal{O}(4; \{2^2, 3^5, 6^6\})$	1145498112
6	$\mathcal{O}(4; \{2^7, 6^7\})$	70543872
6	$\mathcal{O}(4; \{2^3, 3^3, 6^7\})$	574428672
6	$\mathcal{O}(4; \{2^4, 3, 6^8\})$	285534720
6	$\mathcal{O}(4; \{3^4, 6^8\})$	2294355456

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2, 3^2, 6^9\})$	1145498112
6	$\mathcal{O}(4; \{2^2, 6^{10}\})$	574428672
6	$\mathcal{O}(3; \{2^{20}, 3^2\})$	93312
6	$\mathcal{O}(3; \{2^{16}, 3^5\})$	466560
6	$\mathcal{O}(3; \{2^{12}, 3^8\})$	4012416
6	$\mathcal{O}(3; \{2^8, 3^{11}\})$	31819392
6	$\mathcal{O}(3; \{2^4, 3^{14}\})$	254835072
6	$\mathcal{O}(3; \{3^{17}\})$	2006550630
6	$\mathcal{O}(3; \{2^{17}, 3^3, 6\})$	279936
6	$\mathcal{O}(3; \{2^{13}, 3^6, 6\})$	1959552
6	$\mathcal{O}(3; \{2^9, 3^9, 6\})$	15956352
6	$\mathcal{O}(3; \{2^5, 3^{12}, 6\})$	127370880
6	$\mathcal{O}(3; \{2, 3^{15}, 6\})$	1019246976
6	$\mathcal{O}(3; \{2^{18}, 3, 6^2\})$	93312
6	$\mathcal{O}(3; \{2^{14}, 3^4, 6^2\})$	1026432
6	$\mathcal{O}(3; \{2^{10}, 3^7, 6^2\})$	7931520
6	$\mathcal{O}(3; \{2^6, 3^{10}, 6^2\})$	63732096
6	$\mathcal{O}(3; \{2^2, 3^{13}, 6^2\})$	509576832
6	$\mathcal{O}(3; \{2^{15}, 3^2, 6^3\})$	466560
6	$\mathcal{O}(3; \{2^{11}, 3^5, 6^3\})$	4012416
6	$\mathcal{O}(3; \{2^7, 3^8, 6^3\})$	31819392
6	$\mathcal{O}(3; \{2^3, 3^{11}, 6^3\})$	254835072
6	$\mathcal{O}(3; \{2^{16}, 6^4\})$	279936
6	$\mathcal{O}(3; \{2^{12}, 3^3, 6^4\})$	1959552
6	$\mathcal{O}(3; \{2^8, 3^6, 6^4\})$	15956352
6	$\mathcal{O}(3; \{2^4, 3^9, 6^4\})$	127370880
6	$\mathcal{O}(3; \{3^{12}, 6^4\})$	1019246976
6	$\mathcal{O}(3; \{2^{13}, 3, 6^5\})$	1026432
6	$\mathcal{O}(3; \{2^9, 3^4, 6^5\})$	7931520
6	$\mathcal{O}(3; \{2^5, 3^7, 6^5\})$	63732096
6	$\mathcal{O}(3; \{2, 3^{10}, 6^5\})$	509576832
6	$\mathcal{O}(3; \{2^{10}, 3^2, 6^6\})$	4012416
6	$\mathcal{O}(3; \{2^6, 3^5, 6^6\})$	31819392
6	$\mathcal{O}(3; \{2^2, 3^8, 6^6\})$	254835072
6	$\mathcal{O}(3; \{2^{11}, 6^7\})$	1959552
6	$\mathcal{O}(3; \{2^7, 3^3, 6^7\})$	15956352
6	$\mathcal{O}(3; \{2^3, 3^6, 6^7\})$	127370880
6	$\mathcal{O}(3; \{2^8, 3, 6^8\})$	7931520
6	$\mathcal{O}(3; \{2^4, 3^4, 6^8\})$	63732096
6	$\mathcal{O}(3; \{3^7, 6^8\})$	509576832
6	$\mathcal{O}(3; \{2^5, 3^2, 6^9\})$	31819392
6	$\mathcal{O}(3; \{2, 3^5, 6^9\})$	254835072
6	$\mathcal{O}(3; \{2^6, 6^{10}\})$	15956352

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^2, 3^3, 6^{10}\})$	127370880
6	$\mathcal{O}(3; \{2^3, 3, 6^{11}\})$	63732096
6	$\mathcal{O}(3; \{3^2, 6^{12}\})$	254835072
6	$\mathcal{O}(3; \{2, 6^{13}\})$	127370880
6	$\mathcal{O}(2; \{2^{24}, 3^2\})$	2592
6	$\mathcal{O}(2; \{2^{20}, 3^5\})$	12960
6	$\mathcal{O}(2; \{2^{16}, 3^8\})$	111456
6	$\mathcal{O}(2; \{2^{12}, 3^{11}\})$	883872
6	$\mathcal{O}(2; \{2^8, 3^{14}\})$	7078752
6	$\mathcal{O}(2; \{2^4, 3^{17}\})$	56622240
6	$\mathcal{O}(2; \{3^{20}\})$	424674090
6	$\mathcal{O}(2; \{2^{21}, 3^3, 6\})$	7776
6	$\mathcal{O}(2; \{2^{17}, 3^6, 6\})$	54432
6	$\mathcal{O}(2; \{2^{13}, 3^9, 6\})$	443232
6	$\mathcal{O}(2; \{2^9, 3^{12}, 6\})$	3538080
6	$\mathcal{O}(2; \{2^5, 3^{15}, 6\})$	28312416
6	$\mathcal{O}(2; \{2, 3^{18}, 6\})$	226491552
6	$\mathcal{O}(2; \{2^{22}, 3, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^{18}, 3^4, 6^2\})$	28512
6	$\mathcal{O}(2; \{2^{14}, 3^7, 6^2\})$	220320
6	$\mathcal{O}(2; \{2^{10}, 3^{10}, 6^2\})$	1770336
6	$\mathcal{O}(2; \{2^6, 3^{13}, 6^2\})$	14154912
6	$\mathcal{O}(2; \{2^2, 3^{16}, 6^2\})$	113247072
6	$\mathcal{O}(2; \{2^{19}, 3^2, 6^3\})$	12960
6	$\mathcal{O}(2; \{2^{15}, 3^5, 6^3\})$	111456
6	$\mathcal{O}(2; \{2^{11}, 3^8, 6^3\})$	883872
6	$\mathcal{O}(2; \{2^7, 3^{11}, 6^3\})$	7078752
6	$\mathcal{O}(2; \{2^3, 3^{14}, 6^3\})$	56622240
6	$\mathcal{O}(2; \{2^{20}, 6^4\})$	7776
6	$\mathcal{O}(2; \{2^{16}, 3^3, 6^4\})$	54432
6	$\mathcal{O}(2; \{2^{12}, 3^6, 6^4\})$	443232
6	$\mathcal{O}(2; \{2^8, 3^9, 6^4\})$	3538080
6	$\mathcal{O}(2; \{2^4, 3^{12}, 6^4\})$	28312416
6	$\mathcal{O}(2; \{3^{15}, 6^4\})$	226491552
6	$\mathcal{O}(2; \{2^{17}, 3, 6^5\})$	28512
6	$\mathcal{O}(2; \{2^{13}, 3^4, 6^5\})$	220320
6	$\mathcal{O}(2; \{2^9, 3^7, 6^5\})$	1770336
6	$\mathcal{O}(2; \{2^5, 3^{10}, 6^5\})$	14154912
6	$\mathcal{O}(2; \{2, 3^{13}, 6^5\})$	113247072
6	$\mathcal{O}(2; \{2^{14}, 3^2, 6^6\})$	111456
6	$\mathcal{O}(2; \{2^{10}, 3^5, 6^6\})$	883872
6	$\mathcal{O}(2; \{2^6, 3^8, 6^6\})$	7078752
6	$\mathcal{O}(2; \{2^2, 3^{11}, 6^6\})$	56622240

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{15}, 6^7\})$	54432
6	$\mathcal{O}(2; \{2^{11}, 3^3, 6^7\})$	443232
6	$\mathcal{O}(2; \{2^7, 3^6, 6^7\})$	3538080
6	$\mathcal{O}(2; \{2^3, 3^9, 6^7\})$	28312416
6	$\mathcal{O}(2; \{2^{12}, 3, 6^8\})$	220320
6	$\mathcal{O}(2; \{2^8, 3^4, 6^8\})$	1770336
6	$\mathcal{O}(2; \{2^4, 3^7, 6^8\})$	14154912
6	$\mathcal{O}(2; \{3^{10}, 6^8\})$	113247072
6	$\mathcal{O}(2; \{2^9, 3^2, 6^9\})$	883872
6	$\mathcal{O}(2; \{2^5, 3^5, 6^9\})$	7078752
6	$\mathcal{O}(2; \{2, 3^8, 6^9\})$	56622240
6	$\mathcal{O}(2; \{2^{10}, 6^{10}\})$	443232
6	$\mathcal{O}(2; \{2^6, 3^3, 6^{10}\})$	3538080
6	$\mathcal{O}(2; \{2^2, 3^6, 6^{10}\})$	28312416
6	$\mathcal{O}(2; \{2^7, 3, 6^{11}\})$	1770336
6	$\mathcal{O}(2; \{2^3, 3^4, 6^{11}\})$	14154912
6	$\mathcal{O}(2; \{2^4, 3^2, 6^{12}\})$	7078752
6	$\mathcal{O}(2; \{3^5, 6^{12}\})$	56622240
6	$\mathcal{O}(2; \{2^5, 6^{13}\})$	3538080
6	$\mathcal{O}(2; \{2, 3^3, 6^{13}\})$	28312416
6	$\mathcal{O}(2; \{2^2, 3, 6^{14}\})$	14154912
6	$\mathcal{O}(2; \{6^{16}\})$	28312416
6	$\mathcal{O}(1; \{2^{28}, 3^2\})$	72
6	$\mathcal{O}(1; \{2^{24}, 3^5\})$	360
6	$\mathcal{O}(1; \{2^{20}, 3^8\})$	3096
6	$\mathcal{O}(1; \{2^{16}, 3^{11}\})$	24552
6	$\mathcal{O}(1; \{2^{12}, 3^{14}\})$	196632
6	$\mathcal{O}(1; \{2^8, 3^{17}\})$	1572840
6	$\mathcal{O}(1; \{2^4, 3^{20}\})$	12582936
6	$\mathcal{O}(1; \{3^{23}\})$	75497454
6	$\mathcal{O}(1; \{2^{25}, 3^3, 6\})$	216
6	$\mathcal{O}(1; \{2^{21}, 3^6, 6\})$	1512
6	$\mathcal{O}(1; \{2^{17}, 3^9, 6\})$	12312
6	$\mathcal{O}(1; \{2^{13}, 3^{12}, 6\})$	98280
6	$\mathcal{O}(1; \{2^9, 3^{15}, 6\})$	786456
6	$\mathcal{O}(1; \{2^5, 3^{18}, 6\})$	6291432
6	$\mathcal{O}(1; \{2, 3^{21}, 6\})$	50331672
6	$\mathcal{O}(1; \{2^{26}, 3, 6^2\})$	72
6	$\mathcal{O}(1; \{2^{22}, 3^4, 6^2\})$	792
6	$\mathcal{O}(1; \{2^{18}, 3^7, 6^2\})$	6120
6	$\mathcal{O}(1; \{2^{14}, 3^{10}, 6^2\})$	49176
6	$\mathcal{O}(1; \{2^{10}, 3^{13}, 6^2\})$	393192
6	$\mathcal{O}(1; \{2^6, 3^{16}, 6^2\})$	3145752

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Table 7 – continued from previous page

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

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{11}, 3, 6^{11}\})$	49176
6	$\mathcal{O}(1; \{2^7, 3^4, 6^{11}\})$	393192
6	$\mathcal{O}(1; \{2^3, 3^7, 6^{11}\})$	3145752
6	$\mathcal{O}(1; \{2^8, 3^2, 6^{12}\})$	196632
6	$\mathcal{O}(1; \{2^4, 3^5, 6^{12}\})$	1572840
6	$\mathcal{O}(1; \{3^8, 6^{12}\})$	12582936
6	$\mathcal{O}(1; \{2^9, 6^{13}\})$	98280
6	$\mathcal{O}(1; \{2^5, 3^3, 6^{13}\})$	786456
6	$\mathcal{O}(1; \{2, 3^6, 6^{13}\})$	6291432
6	$\mathcal{O}(1; \{2^6, 3, 6^{14}\})$	393192
6	$\mathcal{O}(1; \{2^2, 3^4, 6^{14}\})$	3145752
6	$\mathcal{O}(1; \{2^3, 3^2, 6^{15}\})$	1572840
6	$\mathcal{O}(1; \{2^4, 6^{16}\})$	786456
6	$\mathcal{O}(1; \{3^3, 6^{16}\})$	6291432
6	$\mathcal{O}(1; \{2, 3, 6^{17}\})$	3145752
6	$\mathcal{O}(0; \{2^{32}, 3^2\})$	2
6	$\mathcal{O}(0; \{2^{28}, 3^5\})$	10
6	$\mathcal{O}(0; \{2^{24}, 3^8\})$	86
6	$\mathcal{O}(0; \{2^{20}, 3^{11}\})$	682
6	$\mathcal{O}(0; \{2^{16}, 3^{14}\})$	5462
6	$\mathcal{O}(0; \{2^{12}, 3^{17}\})$	43690
6	$\mathcal{O}(0; \{2^8, 3^{20}\})$	349526
6	$\mathcal{O}(0; \{2^4, 3^{23}\})$	2796202
6	$\mathcal{O}(0; \{2^{29}, 3^3, 6\})$	6
6	$\mathcal{O}(0; \{2^{25}, 3^6, 6\})$	42
6	$\mathcal{O}(0; \{2^{21}, 3^9, 6\})$	342
6	$\mathcal{O}(0; \{2^{17}, 3^{12}, 6\})$	2730
6	$\mathcal{O}(0; \{2^{13}, 3^{15}, 6\})$	21846
6	$\mathcal{O}(0; \{2^9, 3^{18}, 6\})$	174762
6	$\mathcal{O}(0; \{2^5, 3^{21}, 6\})$	1398102
6	$\mathcal{O}(0; \{2, 3^{24}, 6\})$	11184810
6	$\mathcal{O}(0; \{2^{30}, 3, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{26}, 3^4, 6^2\})$	22
6	$\mathcal{O}(0; \{2^{22}, 3^7, 6^2\})$	170
6	$\mathcal{O}(0; \{2^{18}, 3^{10}, 6^2\})$	1366
6	$\mathcal{O}(0; \{2^{14}, 3^{13}, 6^2\})$	10922
6	$\mathcal{O}(0; \{2^{10}, 3^{16}, 6^2\})$	87382
6	$\mathcal{O}(0; \{2^6, 3^{19}, 6^2\})$	699050
6	$\mathcal{O}(0; \{2^2, 3^{22}, 6^2\})$	5592406
6	$\mathcal{O}(0; \{2^{27}, 3^2, 6^3\})$	10
6	$\mathcal{O}(0; \{2^{23}, 3^5, 6^3\})$	86
6	$\mathcal{O}(0; \{2^{19}, 3^8, 6^3\})$	682
6	$\mathcal{O}(0; \{2^{15}, 3^{11}, 6^3\})$	5462

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Table 7 – continued from previous page

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

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{10}, 3^6, 6^{10}\})$	21846
6	$\mathcal{O}(0; \{2^6, 3^9, 6^{10}\})$	174762
6	$\mathcal{O}(0; \{2^2, 3^{12}, 6^{10}\})$	1398102
6	$\mathcal{O}(0; \{2^{15}, 3, 6^{11}\})$	1366
6	$\mathcal{O}(0; \{2^{11}, 3^4, 6^{11}\})$	10922
6	$\mathcal{O}(0; \{2^7, 3^7, 6^{11}\})$	87382
6	$\mathcal{O}(0; \{2^3, 3^{10}, 6^{11}\})$	699050
6	$\mathcal{O}(0; \{2^{12}, 3^2, 6^{12}\})$	5462
6	$\mathcal{O}(0; \{2^8, 3^5, 6^{12}\})$	43690
6	$\mathcal{O}(0; \{2^4, 3^8, 6^{12}\})$	349526
6	$\mathcal{O}(0; \{3^{11}, 6^{12}\})$	2796202
6	$\mathcal{O}(0; \{2^{13}, 6^{13}\})$	2730
6	$\mathcal{O}(0; \{2^9, 3^3, 6^{13}\})$	21846
6	$\mathcal{O}(0; \{2^5, 3^6, 6^{13}\})$	174762
6	$\mathcal{O}(0; \{2, 3^9, 6^{13}\})$	1398102
6	$\mathcal{O}(0; \{2^{10}, 3, 6^{14}\})$	10922
6	$\mathcal{O}(0; \{2^6, 3^4, 6^{14}\})$	87382
6	$\mathcal{O}(0; \{2^2, 3^7, 6^{14}\})$	699050
6	$\mathcal{O}(0; \{2^7, 3^2, 6^{15}\})$	43690
6	$\mathcal{O}(0; \{2^3, 3^5, 6^{15}\})$	349526
6	$\mathcal{O}(0; \{2^8, 6^{16}\})$	21846
6	$\mathcal{O}(0; \{2^4, 3^3, 6^{16}\})$	174762
6	$\mathcal{O}(0; \{3^6, 6^{16}\})$	1398102
6	$\mathcal{O}(0; \{2^5, 3, 6^{17}\})$	87382
6	$\mathcal{O}(0; \{2, 3^4, 6^{17}\})$	699050
6	$\mathcal{O}(0; \{2^2, 3^2, 6^{18}\})$	349526
6	$\mathcal{O}(0; \{2^3, 6^{19}\})$	174762
6	$\mathcal{O}(0; \{3, 6^{20}\})$	699050
7	$\mathcal{O}(5; \{7^6\})$	1882980009834
7	$\mathcal{O}(2; \{7^{13}\})$	4479818045430
8	$\mathcal{O}(6; \{4^2\})$	137405399040
8	$\mathcal{O}(5; \{2^4, 4^2\})$	2145386496
8	$\mathcal{O}(5; \{2, 4^4\})$	8581545984
8	$\mathcal{O}(5; \{2^2, 4, 8^2\})$	8589934592
8	$\mathcal{O}(5; \{8^4\})$	68719476736
8	$\mathcal{O}(4; \{2^8, 4^2\})$	33423360
8	$\mathcal{O}(4; \{2^5, 4^4\})$	133693440
8	$\mathcal{O}(4; \{2^2, 4^6\})$	534773760
8	$\mathcal{O}(4; \{2^6, 4, 8^2\})$	134217728
8	$\mathcal{O}(4; \{2^3, 4^3, 8^2\})$	536870912
8	$\mathcal{O}(4; \{4^5, 8^2\})$	2147483648
8	$\mathcal{O}(4; \{2^4, 8^4\})$	1073741824
8	$\mathcal{O}(4; \{2, 4^2, 8^4\})$	4294967296

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{2^{12}, 4^2\})$	516096
8	$\mathcal{O}(3; \{2^9, 4^4\})$	2064384
8	$\mathcal{O}(3; \{2^6, 4^6\})$	8257536
8	$\mathcal{O}(3; \{2^3, 4^8\})$	33030144
8	$\mathcal{O}(3; \{4^{10}\})$	132120576
8	$\mathcal{O}(3; \{2^{10}, 4, 8^2\})$	2097152
8	$\mathcal{O}(3; \{2^7, 4^3, 8^2\})$	8388608
8	$\mathcal{O}(3; \{2^4, 4^5, 8^2\})$	33554432
8	$\mathcal{O}(3; \{2, 4^7, 8^2\})$	134217728
8	$\mathcal{O}(3; \{2^8, 8^4\})$	16777216
8	$\mathcal{O}(3; \{2^5, 4^2, 8^4\})$	67108864
8	$\mathcal{O}(3; \{2^2, 4^4, 8^4\})$	268435456
8	$\mathcal{O}(3; \{2^3, 4, 8^6\})$	536870912
8	$\mathcal{O}(3; \{4^3, 8^6\})$	2147483648
8	$\mathcal{O}(3; \{2, 8^8\})$	4294967296
8	$\mathcal{O}(2; \{2^{16}, 4^2\})$	7680
8	$\mathcal{O}(2; \{2^{13}, 4^4\})$	30720
8	$\mathcal{O}(2; \{2^{10}, 4^6\})$	122880
8	$\mathcal{O}(2; \{2^7, 4^8\})$	491520
8	$\mathcal{O}(2; \{2^4, 4^{10}\})$	1966080
8	$\mathcal{O}(2; \{2, 4^{12}\})$	7864320
8	$\mathcal{O}(2; \{2^{14}, 4, 8^2\})$	32768
8	$\mathcal{O}(2; \{2^{11}, 4^3, 8^2\})$	131072
8	$\mathcal{O}(2; \{2^8, 4^5, 8^2\})$	524288
8	$\mathcal{O}(2; \{2^5, 4^7, 8^2\})$	2097152
8	$\mathcal{O}(2; \{2^2, 4^9, 8^2\})$	8388608
8	$\mathcal{O}(2; \{2^{12}, 8^4\})$	262144
8	$\mathcal{O}(2; \{2^9, 4^2, 8^4\})$	1048576
8	$\mathcal{O}(2; \{2^6, 4^4, 8^4\})$	4194304
8	$\mathcal{O}(2; \{2^3, 4^6, 8^4\})$	16777216
8	$\mathcal{O}(2; \{4^8, 8^4\})$	67108864
8	$\mathcal{O}(2; \{2^7, 4, 8^6\})$	8388608
8	$\mathcal{O}(2; \{2^4, 4^3, 8^6\})$	33554432
8	$\mathcal{O}(2; \{2, 4^5, 8^6\})$	134217728
8	$\mathcal{O}(2; \{2^5, 8^8\})$	67108864
8	$\mathcal{O}(2; \{2^2, 4^2, 8^8\})$	268435456
8	$\mathcal{O}(2; \{4, 8^{10}\})$	2147483648
8	$\mathcal{O}(1; \{2^{20}, 4^2\})$	96
8	$\mathcal{O}(1; \{2^{17}, 4^4\})$	384
8	$\mathcal{O}(1; \{2^{14}, 4^6\})$	1536
8	$\mathcal{O}(1; \{2^{11}, 4^8\})$	6144
8	$\mathcal{O}(1; \{2^8, 4^{10}\})$	24576
8	$\mathcal{O}(1; \{2^5, 4^{12}\})$	98304

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{2^2, 4^{14}\})$	393216
8	$\mathcal{O}(1; \{2^{18}, 4, 8^2\})$	512
8	$\mathcal{O}(1; \{2^{15}, 4^3, 8^2\})$	2048
8	$\mathcal{O}(1; \{2^{12}, 4^5, 8^2\})$	8192
8	$\mathcal{O}(1; \{2^9, 4^7, 8^2\})$	32768
8	$\mathcal{O}(1; \{2^6, 4^9, 8^2\})$	131072
8	$\mathcal{O}(1; \{2^3, 4^{11}, 8^2\})$	524288
8	$\mathcal{O}(1; \{4^{13}, 8^2\})$	2097152
8	$\mathcal{O}(1; \{2^{16}, 8^4\})$	4096
8	$\mathcal{O}(1; \{2^{13}, 4^2, 8^4\})$	16384
8	$\mathcal{O}(1; \{2^{10}, 4^4, 8^4\})$	65536
8	$\mathcal{O}(1; \{2^7, 4^6, 8^4\})$	262144
8	$\mathcal{O}(1; \{2^4, 4^8, 8^4\})$	1048576
8	$\mathcal{O}(1; \{2, 4^{10}, 8^4\})$	4194304
8	$\mathcal{O}(1; \{2^{11}, 4, 8^6\})$	131072
8	$\mathcal{O}(1; \{2^8, 4^3, 8^6\})$	524288
8	$\mathcal{O}(1; \{2^5, 4^5, 8^6\})$	2097152
8	$\mathcal{O}(1; \{2^2, 4^7, 8^6\})$	8388608
8	$\mathcal{O}(1; \{2^9, 8^8\})$	1048576
8	$\mathcal{O}(1; \{2^6, 4^2, 8^8\})$	4194304
8	$\mathcal{O}(1; \{2^3, 4^4, 8^8\})$	16777216
8	$\mathcal{O}(1; \{4^6, 8^8\})$	67108864
8	$\mathcal{O}(1; \{2^4, 4, 8^{10}\})$	33554432
8	$\mathcal{O}(1; \{2, 4^3, 8^{10}\})$	134217728
8	$\mathcal{O}(1; \{2^2, 8^{12}\})$	268435456
8	$\mathcal{O}(0; \{2^{22}, 4, 8^2\})$	8
8	$\mathcal{O}(0; \{2^{19}, 4^3, 8^2\})$	32
8	$\mathcal{O}(0; \{2^{16}, 4^5, 8^2\})$	128
8	$\mathcal{O}(0; \{2^{13}, 4^7, 8^2\})$	512
8	$\mathcal{O}(0; \{2^{10}, 4^9, 8^2\})$	2048
8	$\mathcal{O}(0; \{2^7, 4^{11}, 8^2\})$	8192
8	$\mathcal{O}(0; \{2^4, 4^{13}, 8^2\})$	32768
8	$\mathcal{O}(0; \{2, 4^{15}, 8^2\})$	131072
8	$\mathcal{O}(0; \{2^{20}, 8^4\})$	64
8	$\mathcal{O}(0; \{2^{17}, 4^2, 8^4\})$	256
8	$\mathcal{O}(0; \{2^{14}, 4^4, 8^4\})$	1024
8	$\mathcal{O}(0; \{2^{11}, 4^6, 8^4\})$	4096
8	$\mathcal{O}(0; \{2^8, 4^8, 8^4\})$	16384
8	$\mathcal{O}(0; \{2^5, 4^{10}, 8^4\})$	65536
8	$\mathcal{O}(0; \{2^2, 4^{12}, 8^4\})$	262144
8	$\mathcal{O}(0; \{2^{15}, 4, 8^6\})$	2048
8	$\mathcal{O}(0; \{2^{12}, 4^3, 8^6\})$	8192
8	$\mathcal{O}(0; \{2^9, 4^5, 8^6\})$	32768

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^6, 4^7, 8^6\})$	131072
8	$\mathcal{O}(0; \{2^3, 4^9, 8^6\})$	524288
8	$\mathcal{O}(0; \{4^{11}, 8^6\})$	2097152
8	$\mathcal{O}(0; \{2^{13}, 8^8\})$	16384
8	$\mathcal{O}(0; \{2^{10}, 4^2, 8^8\})$	65536
8	$\mathcal{O}(0; \{2^7, 4^4, 8^8\})$	262144
8	$\mathcal{O}(0; \{2^4, 4^6, 8^8\})$	1048576
8	$\mathcal{O}(0; \{2, 4^8, 8^8\})$	4194304
8	$\mathcal{O}(0; \{2^8, 4, 8^{10}\})$	524288
8	$\mathcal{O}(0; \{2^5, 4^3, 8^{10}\})$	2097152
8	$\mathcal{O}(0; \{2^2, 4^5, 8^{10}\})$	8388608
8	$\mathcal{O}(0; \{2^6, 8^{12}\})$	4194304
8	$\mathcal{O}(0; \{2^3, 4^2, 8^{12}\})$	16777216
8	$\mathcal{O}(0; \{4^4, 8^{12}\})$	67108864
8	$\mathcal{O}(0; \{2, 4, 8^{14}\})$	134217728
9	$\mathcal{O}(4; \{3, 9^4\})$	13947137604
9	$\mathcal{O}(3; \{3^4, 9^4\})$	1377495072
9	$\mathcal{O}(3; \{9^7\})$	16271660538
9	$\mathcal{O}(2; \{3^7, 9^4\})$	136048896
9	$\mathcal{O}(2; \{3^3, 9^7\})$	1607077584
9	$\mathcal{O}(1; \{3^{10}, 9^4\})$	13436928
9	$\mathcal{O}(1; \{3^6, 9^7\})$	158723712
9	$\mathcal{O}(1; \{3^2, 9^{10}\})$	2181033864
9	$\mathcal{O}(0; \{3^{13}, 9^4\})$	1327104
9	$\mathcal{O}(0; \{3^9, 9^7\})$	15676416
9	$\mathcal{O}(0; \{3^5, 9^{10}\})$	215410752
9	$\mathcal{O}(0; \{3, 9^{13}\})$	2901667860
10	$\mathcal{O}(4; \{5^4\})$	5179687500
10	$\mathcal{O}(4; \{2^3, 5, 10\})$	400000000
10	$\mathcal{O}(4; \{2, 10^3\})$	1200000000
10	$\mathcal{O}(3; \{2^4, 5^4\})$	52000000
10	$\mathcal{O}(3; \{2^7, 5, 10\})$	4000000
10	$\mathcal{O}(3; \{2^2, 5^3, 10^2\})$	204000000
10	$\mathcal{O}(3; \{2^5, 10^3\})$	12000000
10	$\mathcal{O}(3; \{5^2, 10^4\})$	820000000
10	$\mathcal{O}(2; \{2^8, 5^4\})$	520000
10	$\mathcal{O}(2; \{5^9\})$	491512500
10	$\mathcal{O}(2; \{2^{11}, 5, 10\})$	40000
10	$\mathcal{O}(2; \{2^3, 5^6, 10\})$	32760000
10	$\mathcal{O}(2; \{2^6, 5^3, 10^2\})$	2040000
10	$\mathcal{O}(2; \{2^9, 10^3\})$	120000
10	$\mathcal{O}(2; \{2, 5^5, 10^3\})$	131080000
10	$\mathcal{O}(2; \{2^4, 5^2, 10^4\})$	8200000

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(2; \{2^2, 5, 10^6\})$	32760000
10	$\mathcal{O}(2; \{10^8\})$	131080000
10	$\mathcal{O}(1; \{2^{12}, 5^4\})$	5200
10	$\mathcal{O}(1; \{2^4, 5^9\})$	5242800
10	$\mathcal{O}(1; \{2^{15}, 5, 10\})$	400
10	$\mathcal{O}(1; \{2^7, 5^6, 10\})$	327600
10	$\mathcal{O}(1; \{2^{10}, 5^3, 10^2\})$	20400
10	$\mathcal{O}(1; \{2^2, 5^8, 10^2\})$	20971600
10	$\mathcal{O}(1; \{2^{13}, 10^3\})$	1200
10	$\mathcal{O}(1; \{2^5, 5^5, 10^3\})$	1310800
10	$\mathcal{O}(1; \{2^8, 5^2, 10^4\})$	82000
10	$\mathcal{O}(1; \{5^7, 10^4\})$	83886000
10	$\mathcal{O}(1; \{2^3, 5^4, 10^5\})$	5242800
10	$\mathcal{O}(1; \{2^6, 5, 10^6\})$	327600
10	$\mathcal{O}(1; \{2, 5^3, 10^7\})$	20971600
10	$\mathcal{O}(1; \{2^4, 10^8\})$	1310800
10	$\mathcal{O}(0; \{2^{16}, 5^4\})$	52
10	$\mathcal{O}(0; \{2^8, 5^9\})$	52428
10	$\mathcal{O}(0; \{2^{19}, 5, 10\})$	4
10	$\mathcal{O}(0; \{2^{11}, 5^6, 10\})$	3276
10	$\mathcal{O}(0; \{2^3, 5^{11}, 10\})$	3355444
10	$\mathcal{O}(0; \{2^{14}, 5^3, 10^2\})$	204
10	$\mathcal{O}(0; \{2^6, 5^8, 10^2\})$	209716
10	$\mathcal{O}(0; \{2^{17}, 10^3\})$	12
10	$\mathcal{O}(0; \{2^9, 5^5, 10^3\})$	13108
10	$\mathcal{O}(0; \{2, 5^{10}, 10^3\})$	13421772
10	$\mathcal{O}(0; \{2^{12}, 5^2, 10^4\})$	820
10	$\mathcal{O}(0; \{2^4, 5^7, 10^4\})$	838860
10	$\mathcal{O}(0; \{2^7, 5^4, 10^5\})$	52428
10	$\mathcal{O}(0; \{2^{10}, 5, 10^6\})$	3276
10	$\mathcal{O}(0; \{2^2, 5^6, 10^6\})$	3355444
10	$\mathcal{O}(0; \{2^5, 5^3, 10^7\})$	209716
10	$\mathcal{O}(0; \{2^8, 10^8\})$	13108
10	$\mathcal{O}(0; \{5^5, 10^8\})$	13421772
10	$\mathcal{O}(0; \{2^3, 5^2, 10^9\})$	838860
10	$\mathcal{O}(0; \{2, 5, 10^{11}\})$	3355444
11	$\mathcal{O}(2; \{11^7\})$	13309986690
12	$\mathcal{O}(4; \{6^2\})$	856604160
12	$\mathcal{O}(3; \{2^2, 3^4\})$	17635968
12	$\mathcal{O}(3; \{2^3, 3^2, 6\})$	5878656
12	$\mathcal{O}(3; \{3^2, 4^2, 6\})$	11943936
12	$\mathcal{O}(3; \{2^4, 6^2\})$	5878656
12	$\mathcal{O}(3; \{3^3, 6^2\})$	29393280

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Table 7 – continued from previous page

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

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 3^3, 6, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^3, 4^2, 6, 12^2\})$	331776
12	$\mathcal{O}(2; \{4^4, 6, 12^2\})$	1327104
12	$\mathcal{O}(2; \{2^3, 3, 6^2, 12^2\})$	414720
12	$\mathcal{O}(2; \{3, 4^2, 6^2, 12^2\})$	1658880
12	$\mathcal{O}(2; \{3^2, 6^3, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2, 6^4, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^3, 3, 4, 12^3\})$	995328
12	$\mathcal{O}(2; \{3, 4^3, 12^3\})$	3981312
12	$\mathcal{O}(2; \{3^2, 4, 6, 12^3\})$	3649536
12	$\mathcal{O}(2; \{2, 4, 6^2, 12^3\})$	1658880
12	$\mathcal{O}(2; \{2^4, 12^4\})$	995328
12	$\mathcal{O}(2; \{3^3, 12^4\})$	6967296
12	$\mathcal{O}(2; \{2, 4^2, 12^4\})$	3981312
12	$\mathcal{O}(2; \{2, 3, 6, 12^4\})$	3649536
12	$\mathcal{O}(1; \{2^{10}, 3^4\})$	648
12	$\mathcal{O}(1; \{2^6, 3^7\})$	4536
12	$\mathcal{O}(1; \{2^2, 3^{10}\})$	36936
12	$\mathcal{O}(1; \{2^7, 3^4, 4^2\})$	1728
12	$\mathcal{O}(1; \{2^3, 3^7, 4^2\})$	12096
12	$\mathcal{O}(1; \{2^4, 3^4, 4^4\})$	6912
12	$\mathcal{O}(1; \{3^7, 4^4\})$	48384
12	$\mathcal{O}(1; \{2, 3^4, 4^6\})$	27648
12	$\mathcal{O}(1; \{2^{11}, 3^2, 6\})$	216
12	$\mathcal{O}(1; \{2^7, 3^5, 6\})$	2376
12	$\mathcal{O}(1; \{2^3, 3^8, 6\})$	18360
12	$\mathcal{O}(1; \{2^8, 3^2, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{2^4, 3^5, 4^2, 6\})$	6336
12	$\mathcal{O}(1; \{3^8, 4^2, 6\})$	48960
12	$\mathcal{O}(1; \{2^5, 3^2, 4^4, 6\})$	2304
12	$\mathcal{O}(1; \{2, 3^5, 4^4, 6\})$	25344
12	$\mathcal{O}(1; \{2^2, 3^2, 4^6, 6\})$	9216
12	$\mathcal{O}(1; \{2^{12}, 6^2\})$	216
12	$\mathcal{O}(1; \{2^8, 3^3, 6^2\})$	1080
12	$\mathcal{O}(1; \{2^4, 3^6, 6^2\})$	9288
12	$\mathcal{O}(1; \{3^9, 6^2\})$	73656
12	$\mathcal{O}(1; \{2^9, 4^2, 6^2\})$	576
12	$\mathcal{O}(1; \{2^5, 3^3, 4^2, 6^2\})$	2880
12	$\mathcal{O}(1; \{2, 3^6, 4^2, 6^2\})$	24768
12	$\mathcal{O}(1; \{2^6, 4^4, 6^2\})$	2304
12	$\mathcal{O}(1; \{2^2, 3^3, 4^4, 6^2\})$	11520
12	$\mathcal{O}(1; \{2^3, 4^6, 6^2\})$	9216
12	$\mathcal{O}(1; \{4^8, 6^2\})$	36864

Continued on next page

Table 7 – continued from previous page

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

Continued on next page

Table 7 – continued from previous page

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

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^2, 4^3, 6^2, 12^3\})$	46080
12	$\mathcal{O}(1; \{2^2, 3, 4, 6^3, 12^3\})$	48384
12	$\mathcal{O}(1; \{4, 6^5, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^8, 12^4\})$	6912
12	$\mathcal{O}(1; \{2^4, 3^3, 12^4\})$	48384
12	$\mathcal{O}(1; \{3^6, 12^4\})$	393984
12	$\mathcal{O}(1; \{2^5, 4^2, 12^4\})$	27648
12	$\mathcal{O}(1; \{2, 3^3, 4^2, 12^4\})$	193536
12	$\mathcal{O}(1; \{2^2, 4^4, 12^4\})$	110592
12	$\mathcal{O}(1; \{2^5, 3, 6, 12^4\})$	25344
12	$\mathcal{O}(1; \{2, 3^4, 6, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 6, 12^4\})$	101376
12	$\mathcal{O}(1; \{2^2, 3^2, 6^2, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^3, 6^3, 12^4\})$	48384
12	$\mathcal{O}(1; \{4^2, 6^3, 12^4\})$	193536
12	$\mathcal{O}(1; \{3, 6^4, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^2, 3^2, 4, 12^5\})$	193536
12	$\mathcal{O}(1; \{2^3, 4, 6, 12^5\})$	101376
12	$\mathcal{O}(1; \{4^3, 6, 12^5\})$	405504
12	$\mathcal{O}(1; \{3, 4, 6^2, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^3, 3, 12^6\})$	193536
12	$\mathcal{O}(1; \{3, 4^2, 12^6\})$	774144
12	$\mathcal{O}(1; \{3^2, 6, 12^6\})$	783360
12	$\mathcal{O}(1; \{2, 6^2, 12^6\})$	396288
12	$\mathcal{O}(1; \{2, 4, 12^7\})$	774144
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4^2\})$	12
12	$\mathcal{O}(0; \{2^7, 3^7, 4^2\})$	84
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4^2\})$	684
12	$\mathcal{O}(0; \{2^8, 3^4, 4^4\})$	48
12	$\mathcal{O}(0; \{2^4, 3^7, 4^4\})$	336
12	$\mathcal{O}(0; \{3^{10}, 4^4\})$	2736
12	$\mathcal{O}(0; \{2^5, 3^4, 4^6\})$	192
12	$\mathcal{O}(0; \{2, 3^7, 4^6\})$	1344
12	$\mathcal{O}(0; \{2^2, 3^4, 4^8\})$	768
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4^2, 6\})$	4
12	$\mathcal{O}(0; \{2^8, 3^5, 4^2, 6\})$	44
12	$\mathcal{O}(0; \{2^4, 3^8, 4^2, 6\})$	340
12	$\mathcal{O}(0; \{3^{11}, 4^2, 6\})$	2732
12	$\mathcal{O}(0; \{2^9, 3^2, 4^4, 6\})$	16
12	$\mathcal{O}(0; \{2^5, 3^5, 4^4, 6\})$	176
12	$\mathcal{O}(0; \{2, 3^8, 4^4, 6\})$	1360
12	$\mathcal{O}(0; \{2^6, 3^2, 4^6, 6\})$	64
12	$\mathcal{O}(0; \{2^2, 3^5, 4^6, 6\})$	704

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Table 7 – continued from previous page

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

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Table 7 – continued from previous page

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

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Table 7 – continued from previous page

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

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

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Table 7 – continued from previous page

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

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^4, 12^4\})$	5440
12	$\mathcal{O}(0; \{2, 3^2, 6^5, 12^4\})$	5456
12	$\mathcal{O}(0; \{2^2, 6^6, 12^4\})$	2736
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 12^5\})$	1344
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 12^5\})$	5376
12	$\mathcal{O}(0; \{3^2, 4^5, 12^5\})$	21504
12	$\mathcal{O}(0; \{2^7, 4, 6, 12^5\})$	704
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 6, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^4, 4^3, 6, 12^5\})$	2816
12	$\mathcal{O}(0; \{3^3, 4^3, 6, 12^5\})$	21760
12	$\mathcal{O}(0; \{2, 4^5, 6, 12^5\})$	11264
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^2, 12^5\})$	2752
12	$\mathcal{O}(0; \{3^4, 4, 6^2, 12^5\})$	21824
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^2, 12^5\})$	11008
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^3, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^2, 4, 6^4, 12^5\})$	5440
12	$\mathcal{O}(0; \{2^7, 3, 12^6\})$	1344
12	$\mathcal{O}(0; \{2^3, 3^4, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 12^6\})$	5376
12	$\mathcal{O}(0; \{3^4, 4^2, 12^6\})$	43776
12	$\mathcal{O}(0; \{2, 3, 4^4, 12^6\})$	21504
12	$\mathcal{O}(0; \{2^4, 3^2, 6, 12^6\})$	5440
12	$\mathcal{O}(0; \{3^5, 6, 12^6\})$	43712
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6, 12^6\})$	21760
12	$\mathcal{O}(0; \{2^5, 6^2, 12^6\})$	2752
12	$\mathcal{O}(0; \{2, 3^3, 6^2, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^2, 4^2, 6^2, 12^6\})$	11008
12	$\mathcal{O}(0; \{2^2, 3, 6^3, 12^6\})$	10944
12	$\mathcal{O}(0; \{6^5, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^5, 4, 12^7\})$	5376
12	$\mathcal{O}(0; \{2, 3^3, 4, 12^7\})$	43776
12	$\mathcal{O}(0; \{2^2, 4^3, 12^7\})$	21504
12	$\mathcal{O}(0; \{2^2, 3, 4, 6, 12^7\})$	21760
12	$\mathcal{O}(0; \{4, 6^3, 12^7\})$	43776
12	$\mathcal{O}(0; \{2^2, 3^2, 12^8\})$	43776
12	$\mathcal{O}(0; \{2^3, 6, 12^8\})$	21760
12	$\mathcal{O}(0; \{4^2, 6, 12^8\})$	87040
12	$\mathcal{O}(0; \{3, 6^2, 12^8\})$	87296
12	$\mathcal{O}(0; \{3, 4, 12^9\})$	175104
12	$\mathcal{O}(0; \{2, 12^{10}\})$	175104
14	$\mathcal{O}(3; \{7^3\})$	222356610
14	$\mathcal{O}(2; \{2^4, 7^3\})$	1152480

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(2; \{2^2, 7^2, 14^2\})$	7145376
14	$\mathcal{O}(2; \{7, 14^4\})$	42641760
14	$\mathcal{O}(1; \{2^8, 7^3\})$	5880
14	$\mathcal{O}(1; \{2, 7^6, 14\})$	7838040
14	$\mathcal{O}(1; \{2^6, 7^2, 14^2\})$	36456
14	$\mathcal{O}(1; \{2^4, 7, 14^4\})$	217560
14	$\mathcal{O}(1; \{2^2, 14^6\})$	1306536
14	$\mathcal{O}(0; \{2^{12}, 7^3\})$	30
14	$\mathcal{O}(0; \{2^5, 7^6, 14\})$	39990
14	$\mathcal{O}(0; \{2^{10}, 7^2, 14^2\})$	186
14	$\mathcal{O}(0; \{2^3, 7^5, 14^3\})$	239946
14	$\mathcal{O}(0; \{2^8, 7, 14^4\})$	1110
14	$\mathcal{O}(0; \{2, 7^4, 14^5\})$	1439670
14	$\mathcal{O}(0; \{2^6, 14^6\})$	6666
15	$\mathcal{O}(2; \{3, 5^2, 15^2\})$	5265000
15	$\mathcal{O}(2; \{3^2, 15^3\})$	6075000
15	$\mathcal{O}(1; \{3^2, 5^6\})$	369000
15	$\mathcal{O}(1; \{3^3, 5^4, 15\})$	275400
15	$\mathcal{O}(1; \{3^4, 5^2, 15^2\})$	257400
15	$\mathcal{O}(1; \{3^5, 15^3\})$	232200
15	$\mathcal{O}(1; \{5^3, 15^4\})$	4422600
15	$\mathcal{O}(1; \{3, 5, 15^5\})$	4059000
15	$\mathcal{O}(0; \{3^5, 5^6\})$	8200
15	$\mathcal{O}(0; \{3^6, 5^4, 15\})$	8568
15	$\mathcal{O}(0; \{3^7, 5^2, 15^2\})$	8840
15	$\mathcal{O}(0; \{3, 5^7, 15^2\})$	104856
15	$\mathcal{O}(0; \{3^8, 15^3\})$	8184
15	$\mathcal{O}(0; \{3^2, 5^5, 15^3\})$	131080
15	$\mathcal{O}(0; \{3^3, 5^3, 15^4\})$	137592
15	$\mathcal{O}(0; \{3^4, 5, 15^5\})$	139400
15	$\mathcal{O}(0; \{5^2, 15^7\})$	2201976
15	$\mathcal{O}(0; \{3, 15^8\})$	2228360
16	$\mathcal{O}(3; \{8^2\})$	66060288
16	$\mathcal{O}(2; \{2^4, 8^2\})$	245760
16	$\mathcal{O}(2; \{2, 4^2, 8^2\})$	983040
16	$\mathcal{O}(2; \{2^2, 8, 16^2\})$	2097152
16	$\mathcal{O}(2; \{16^4\})$	33554432
16	$\mathcal{O}(1; \{2^8, 8^2\})$	768
16	$\mathcal{O}(1; \{2^5, 4^2, 8^2\})$	3072
16	$\mathcal{O}(1; \{2^2, 4^4, 8^2\})$	12288
16	$\mathcal{O}(1; \{2^3, 4, 8^4\})$	24576
16	$\mathcal{O}(1; \{4^3, 8^4\})$	98304
16	$\mathcal{O}(1; \{2, 8^6\})$	196608

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(1; \{2^6, 8, 16^2\})$	8192
16	$\mathcal{O}(1; \{2^3, 4^2, 8, 16^2\})$	32768
16	$\mathcal{O}(1; \{4^4, 8, 16^2\})$	131072
16	$\mathcal{O}(1; \{2, 4, 8^3, 16^2\})$	262144
16	$\mathcal{O}(1; \{2^4, 16^4\})$	131072
16	$\mathcal{O}(1; \{2, 4^2, 16^4\})$	524288
16	$\mathcal{O}(0; \{2^{10}, 8, 16^2\})$	32
16	$\mathcal{O}(0; \{2^7, 4^2, 8, 16^2\})$	128
16	$\mathcal{O}(0; \{2^4, 4^4, 8, 16^2\})$	512
16	$\mathcal{O}(0; \{2, 4^6, 8, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^5, 4, 8^3, 16^2\})$	1024
16	$\mathcal{O}(0; \{2^2, 4^3, 8^3, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^3, 8^5, 16^2\})$	8192
16	$\mathcal{O}(0; \{4^2, 8^5, 16^2\})$	32768
16	$\mathcal{O}(0; \{2^8, 16^4\})$	512
16	$\mathcal{O}(0; \{2^5, 4^2, 16^4\})$	2048
16	$\mathcal{O}(0; \{2^2, 4^4, 16^4\})$	8192
16	$\mathcal{O}(0; \{2^3, 4, 8^2, 16^4\})$	16384
16	$\mathcal{O}(0; \{4^3, 8^2, 16^4\})$	65536
16	$\mathcal{O}(0; \{2, 8^4, 16^4\})$	131072
16	$\mathcal{O}(0; \{2, 4, 8, 16^6\})$	262144
18	$\mathcal{O}(2; \{3^2, 9^2\})$	2361960
18	$\mathcal{O}(2; \{2, 6, 9^2\})$	1259712
18	$\mathcal{O}(1; \{2^4, 3^2, 9^2\})$	7776
18	$\mathcal{O}(1; \{3^5, 9^2\})$	46656
18	$\mathcal{O}(1; \{2^5, 6, 9^2\})$	3888
18	$\mathcal{O}(1; \{2, 3^3, 6, 9^2\})$	31104
18	$\mathcal{O}(1; \{2^2, 3, 6^2, 9^2\})$	15552
18	$\mathcal{O}(1; \{6^4, 9^2\})$	31104
18	$\mathcal{O}(1; \{3, 9^5\})$	393660
18	$\mathcal{O}(1; \{2^3, 9^3, 18\})$	52488
18	$\mathcal{O}(1; \{3, 6, 9^3, 18\})$	209952
18	$\mathcal{O}(1; \{2^2, 3^2, 9, 18^2\})$	23328
18	$\mathcal{O}(1; \{2^3, 6, 9, 18^2\})$	11664
18	$\mathcal{O}(1; \{3, 6^2, 9, 18^2\})$	46656
18	$\mathcal{O}(1; \{2, 9^2, 18^3\})$	262440
18	$\mathcal{O}(1; \{3^2, 18^4\})$	209952
18	$\mathcal{O}(1; \{2, 6, 18^4\})$	104976
18	$\mathcal{O}(0; \{2^8, 3^2, 9^2\})$	24
18	$\mathcal{O}(0; \{2^4, 3^5, 9^2\})$	192
18	$\mathcal{O}(0; \{2^9, 6, 9^2\})$	12
18	$\mathcal{O}(0; \{2^5, 3^3, 6, 9^2\})$	96
18	$\mathcal{O}(0; \{2, 3^6, 6, 9^2\})$	768

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^6, 3, 6^2, 9^2\})$	48
18	$\mathcal{O}(0; \{2^2, 3^4, 6^2, 9^2\})$	384
18	$\mathcal{O}(0; \{2^3, 3^2, 6^3, 9^2\})$	192
18	$\mathcal{O}(0; \{2^4, 6^4, 9^2\})$	96
18	$\mathcal{O}(0; \{3^3, 6^4, 9^2\})$	768
18	$\mathcal{O}(0; \{2, 3, 6^5, 9^2\})$	384
18	$\mathcal{O}(0; \{2^4, 3, 9^5\})$	1620
18	$\mathcal{O}(0; \{2, 3^2, 6, 9^5\})$	6480
18	$\mathcal{O}(0; \{2^2, 6^2, 9^5\})$	3240
18	$\mathcal{O}(0; \{2^7, 9^3, 18\})$	162
18	$\mathcal{O}(0; \{2^3, 3^3, 9^3, 18\})$	1296
18	$\mathcal{O}(0; \{2^4, 3, 6, 9^3, 18\})$	648
18	$\mathcal{O}(0; \{3^4, 6, 9^3, 18\})$	5184
18	$\mathcal{O}(0; \{2, 3^2, 6^2, 9^3, 18\})$	2592
18	$\mathcal{O}(0; \{2^2, 6^3, 9^3, 18\})$	1296
18	$\mathcal{O}(0; \{6, 9^6, 18\})$	61236
18	$\mathcal{O}(0; \{2^6, 3^2, 9, 18^2\})$	72
18	$\mathcal{O}(0; \{2^2, 3^5, 9, 18^2\})$	576
18	$\mathcal{O}(0; \{2^7, 6, 9, 18^2\})$	36
18	$\mathcal{O}(0; \{2^3, 3^3, 6, 9, 18^2\})$	288
18	$\mathcal{O}(0; \{2^4, 3, 6^2, 9, 18^2\})$	144
18	$\mathcal{O}(0; \{3^4, 6^2, 9, 18^2\})$	1152
18	$\mathcal{O}(0; \{2, 3^2, 6^3, 9, 18^2\})$	576
18	$\mathcal{O}(0; \{2^2, 6^4, 9, 18^2\})$	288
18	$\mathcal{O}(0; \{2^2, 3, 9^4, 18^2\})$	10692
18	$\mathcal{O}(0; \{6^2, 9^4, 18^2\})$	21384
18	$\mathcal{O}(0; \{2^5, 9^2, 18^3\})$	810
18	$\mathcal{O}(0; \{2, 3^3, 9^2, 18^3\})$	6480
18	$\mathcal{O}(0; \{2^2, 3, 6, 9^2, 18^3\})$	3240
18	$\mathcal{O}(0; \{6^3, 9^2, 18^3\})$	6480
18	$\mathcal{O}(0; \{2^4, 3^2, 18^4\})$	648
18	$\mathcal{O}(0; \{3^5, 18^4\})$	5184
18	$\mathcal{O}(0; \{2^5, 6, 18^4\})$	324
18	$\mathcal{O}(0; \{2, 3^3, 6, 18^4\})$	2592
18	$\mathcal{O}(0; \{2^2, 3, 6^2, 18^4\})$	1296
18	$\mathcal{O}(0; \{6^4, 18^4\})$	2592
18	$\mathcal{O}(0; \{3, 9^3, 18^4\})$	61236
18	$\mathcal{O}(0; \{2^3, 9, 18^5\})$	5346
18	$\mathcal{O}(0; \{3, 6, 9, 18^5\})$	21384
18	$\mathcal{O}(0; \{2, 18^7\})$	30618
19	$\mathcal{O}(2; \{19^3\})$	39878226
20	$\mathcal{O}(2; \{2^2, 5^2\})$	600000
20	$\mathcal{O}(2; \{5, 10^2\})$	1800000

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(2; \{4, 10, 20\})$	1280000
20	$\mathcal{O}(1; \{2^6, 5^2\})$	1200
20	$\mathcal{O}(1; \{2^3, 4^2, 5^2\})$	3200
20	$\mathcal{O}(1; \{4^4, 5^2\})$	12800
20	$\mathcal{O}(1; \{2, 5^4, 10\})$	61200
20	$\mathcal{O}(1; \{2^4, 5, 10^2\})$	3600
20	$\mathcal{O}(1; \{2, 4^2, 5, 10^2\})$	9600
20	$\mathcal{O}(1; \{2^2, 10^4\})$	15600
20	$\mathcal{O}(1; \{2, 4, 5^3, 20\})$	41600
20	$\mathcal{O}(1; \{2^4, 4, 10, 20\})$	3200
20	$\mathcal{O}(1; \{2, 4^3, 10, 20\})$	12800
20	$\mathcal{O}(1; \{2^2, 5, 10, 20^2\})$	41600
20	$\mathcal{O}(1; \{10^3, 20^2\})$	163200
20	$\mathcal{O}(1; \{2^2, 4, 20^3\})$	38400
20	$\mathcal{O}(1; \{5, 20^4\})$	652800
20	$\mathcal{O}(0; \{2^7, 4^2, 5^2\})$	8
20	$\mathcal{O}(0; \{2^4, 4^4, 5^2\})$	32
20	$\mathcal{O}(0; \{2, 4^6, 5^2\})$	128
20	$\mathcal{O}(0; \{2^2, 4^2, 5^4, 10\})$	408
20	$\mathcal{O}(0; \{2^5, 4^2, 5, 10^2\})$	24
20	$\mathcal{O}(0; \{2^2, 4^4, 5, 10^2\})$	96
20	$\mathcal{O}(0; \{4^2, 5^3, 10^3\})$	1640
20	$\mathcal{O}(0; \{2^3, 4^2, 10^4\})$	104
20	$\mathcal{O}(0; \{4^4, 10^4\})$	416
20	$\mathcal{O}(0; \{2^5, 4, 5^3, 20\})$	104
20	$\mathcal{O}(0; \{2^2, 4^3, 5^3, 20\})$	416
20	$\mathcal{O}(0; \{2^8, 4, 10, 20\})$	8
20	$\mathcal{O}(0; \{2^5, 4^3, 10, 20\})$	32
20	$\mathcal{O}(0; \{2^2, 4^5, 10, 20\})$	128
20	$\mathcal{O}(0; \{4, 5^5, 10, 20\})$	6552
20	$\mathcal{O}(0; \{2^3, 4, 5^2, 10^2, 20\})$	408
20	$\mathcal{O}(0; \{4^3, 5^2, 10^2, 20\})$	1632
20	$\mathcal{O}(0; \{2, 4, 5, 10^4, 20\})$	1640
20	$\mathcal{O}(0; \{2^3, 5^4, 20^2\})$	1640
20	$\mathcal{O}(0; \{4^2, 5^4, 20^2\})$	6560
20	$\mathcal{O}(0; \{2^6, 5, 10, 20^2\})$	104
20	$\mathcal{O}(0; \{2^3, 4^2, 5, 10, 20^2\})$	416
20	$\mathcal{O}(0; \{4^4, 5, 10, 20^2\})$	1664
20	$\mathcal{O}(0; \{2, 5^3, 10^2, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^4, 10^3, 20^2\})$	408
20	$\mathcal{O}(0; \{2, 4^2, 10^3, 20^2\})$	1632
20	$\mathcal{O}(0; \{2^6, 4, 20^3\})$	96
20	$\mathcal{O}(0; \{2^3, 4^3, 20^3\})$	384

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{4^5, 20^3\})$	1536
20	$\mathcal{O}(0; \{2, 4, 5^2, 10, 20^3\})$	6560
20	$\mathcal{O}(0; \{2^4, 5, 20^4\})$	1632
20	$\mathcal{O}(0; \{2, 4^2, 5, 20^4\})$	6528
20	$\mathcal{O}(0; \{2^2, 10^2, 20^4\})$	6560
20	$\mathcal{O}(0; \{10, 20^6\})$	104832
21	$\mathcal{O}(1; \{3^4, 7^2\})$	15876
21	$\mathcal{O}(1; \{3, 7, 21^3\})$	492156
21	$\mathcal{O}(0; \{3^7, 7^2\})$	252
21	$\mathcal{O}(0; \{3^3, 7^4, 21\})$	6660
21	$\mathcal{O}(0; \{3^4, 7, 21^3\})$	7812
21	$\mathcal{O}(0; \{7^3, 21^4\})$	239940
21	$\mathcal{O}(0; \{3, 21^6\})$	279972
22	$\mathcal{O}(1; \{2, 11^3, 22\})$	440440
22	$\mathcal{O}(0; \{2^5, 11^3, 22\})$	910
22	$\mathcal{O}(0; \{2^3, 11^2, 22^3\})$	9090
22	$\mathcal{O}(0; \{2, 11, 22^5\})$	90910
23	$\mathcal{O}(3; \emptyset)$	148035888
24	$\mathcal{O}(2; \{12^2\})$	1244160
24	$\mathcal{O}(1; \{2^2, 3^2, 4^2\})$	1728
24	$\mathcal{O}(1; \{3, 4^2, 6^2\})$	1728
24	$\mathcal{O}(1; \{3^2, 4, 8^2\})$	9216
24	$\mathcal{O}(1; \{2^3, 3, 4, 12\})$	1728
24	$\mathcal{O}(1; \{3, 4^3, 12\})$	6912
24	$\mathcal{O}(1; \{3^2, 4, 6, 12\})$	5184
24	$\mathcal{O}(1; \{2, 4, 6^2, 12\})$	1728
24	$\mathcal{O}(1; \{2, 3, 8^2, 12\})$	9216
24	$\mathcal{O}(1; \{2^4, 12^2\})$	1728
24	$\mathcal{O}(1; \{3^3, 12^2\})$	8640
24	$\mathcal{O}(1; \{2, 4^2, 12^2\})$	6912
24	$\mathcal{O}(1; \{2, 3, 6, 12^2\})$	5184
24	$\mathcal{O}(1; \{3^3, 8, 24\})$	13824
24	$\mathcal{O}(1; \{2, 3, 6, 8, 24\})$	4608
24	$\mathcal{O}(1; \{2, 3, 4, 24^2\})$	9216
24	$\mathcal{O}(1; \{2^2, 12, 24^2\})$	9216
24	$\mathcal{O}(1; \{24^4\})$	221184
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 8^2\})$	16
24	$\mathcal{O}(0; \{3^5, 4, 8^2\})$	80
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 8^2\})$	64
24	$\mathcal{O}(0; \{2, 3^3, 4, 6, 8^2\})$	48
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 8^2\})$	16
24	$\mathcal{O}(0; \{4, 6^4, 8^2\})$	48
24	$\mathcal{O}(0; \{2^2, 3^2, 8^4\})$	128

Continued on next page

Table 7 – continued from previous page

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

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3, 4, 6^3, 24^2\})$	176
24	$\mathcal{O}(0; \{2^3, 3, 8^2, 24^2\})$	128
24	$\mathcal{O}(0; \{3, 4^2, 8^2, 24^2\})$	512
24	$\mathcal{O}(0; \{3^2, 6, 8^2, 24^2\})$	640
24	$\mathcal{O}(0; \{2, 6^2, 8^2, 24^2\})$	384
24	$\mathcal{O}(0; \{2^6, 12, 24^2\})$	16
24	$\mathcal{O}(0; \{2^2, 3^3, 12, 24^2\})$	176
24	$\mathcal{O}(0; \{2^3, 4^2, 12, 24^2\})$	64
24	$\mathcal{O}(0; \{4^4, 12, 24^2\})$	256
24	$\mathcal{O}(0; \{2^3, 3, 6, 12, 24^2\})$	80
24	$\mathcal{O}(0; \{3, 4^2, 6, 12, 24^2\})$	320
24	$\mathcal{O}(0; \{3^2, 6^2, 12, 24^2\})$	336
24	$\mathcal{O}(0; \{2, 6^3, 12, 24^2\})$	176
24	$\mathcal{O}(0; \{2, 4, 8^2, 12, 24^2\})$	512
24	$\mathcal{O}(0; \{3^2, 4, 12^2, 24^2\})$	704
24	$\mathcal{O}(0; \{2, 4, 6, 12^2, 24^2\})$	320
24	$\mathcal{O}(0; \{2, 3, 12^3, 24^2\})$	704
24	$\mathcal{O}(0; \{3^2, 4, 8, 24^3\})$	1280
24	$\mathcal{O}(0; \{2, 4, 6, 8, 24^3\})$	768
24	$\mathcal{O}(0; \{2, 3, 8, 12, 24^3\})$	1280
24	$\mathcal{O}(0; \{2^4, 24^4\})$	384
24	$\mathcal{O}(0; \{3^3, 24^4\})$	2688
24	$\mathcal{O}(0; \{2, 4^2, 24^4\})$	1536
24	$\mathcal{O}(0; \{2, 3, 6, 24^4\})$	1408
25	$\mathcal{O}(1; \{5, 25^3\})$	750000
27	$\mathcal{O}(0; \{3, 9, 27^4\})$	52488
28	$\mathcal{O}(1; \{2^3, 7, 14\})$	3528
28	$\mathcal{O}(1; \{4^2, 7, 14\})$	9408
28	$\mathcal{O}(1; \{2, 14^3\})$	17640
28	$\mathcal{O}(1; \{2, 7, 28^2\})$	47040
28	$\mathcal{O}(0; \{2^4, 4^2, 7, 14\})$	12
28	$\mathcal{O}(0; \{2, 4^4, 7, 14\})$	48
28	$\mathcal{O}(0; \{2^2, 4^2, 14^3\})$	60
28	$\mathcal{O}(0; \{2^2, 4, 7^3, 28\})$	372
28	$\mathcal{O}(0; \{4, 7^2, 14^2, 28\})$	2220
28	$\mathcal{O}(0; \{2^5, 7, 28^2\})$	60
28	$\mathcal{O}(0; \{2^2, 4^2, 7, 28^2\})$	240
28	$\mathcal{O}(0; \{2^3, 14^2, 28^2\})$	372
28	$\mathcal{O}(0; \{4^2, 14^2, 28^2\})$	1488
28	$\mathcal{O}(0; \{2, 14, 28^4\})$	8880
30	$\mathcal{O}(1; \{3^2, 5, 15\})$	5400
30	$\mathcal{O}(1; \{2, 5, 6, 15\})$	7200
30	$\mathcal{O}(1; \{2, 3, 15, 30\})$	7200

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2, 3^2, 5^3, 6\})$	24
30	$\mathcal{O}(0; \{2^2, 5^3, 6^2\})$	24
30	$\mathcal{O}(0; \{5^2, 6^2, 10^2\})$	104
30	$\mathcal{O}(0; \{2^4, 3^2, 5, 15\})$	8
30	$\mathcal{O}(0; \{2^5, 5, 6, 15\})$	8
30	$\mathcal{O}(0; \{2, 3^3, 5, 6, 15\})$	40
30	$\mathcal{O}(0; \{2^2, 3, 5, 6^2, 15\})$	24
30	$\mathcal{O}(0; \{5, 6^4, 15\})$	40
30	$\mathcal{O}(0; \{5^3, 6, 10, 15\})$	408
30	$\mathcal{O}(0; \{2^2, 3^2, 10^2, 15\})$	24
30	$\mathcal{O}(0; \{2^3, 6, 10^2, 15\})$	24
30	$\mathcal{O}(0; \{3, 6^2, 10^2, 15\})$	72
30	$\mathcal{O}(0; \{2^3, 5, 10, 15^2\})$	104
30	$\mathcal{O}(0; \{3, 5, 6, 10, 15^2\})$	312
30	$\mathcal{O}(0; \{2, 10^3, 15^2\})$	408
30	$\mathcal{O}(0; \{2, 6, 15^4\})$	520
30	$\mathcal{O}(0; \{2, 3^3, 5^2, 30\})$	72
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 6, 30\})$	24
30	$\mathcal{O}(0; \{5^2, 6^3, 30\})$	72
30	$\mathcal{O}(0; \{3, 5, 6, 10^2, 30\})$	104
30	$\mathcal{O}(0; \{2^5, 3, 15, 30\})$	8
30	$\mathcal{O}(0; \{2, 3^4, 15, 30\})$	88
30	$\mathcal{O}(0; \{2^2, 3^2, 6, 15, 30\})$	40
30	$\mathcal{O}(0; \{2^3, 6^2, 15, 30\})$	24
30	$\mathcal{O}(0; \{3, 6^3, 15, 30\})$	88
30	$\mathcal{O}(0; \{3, 5^2, 10, 15, 30\})$	408
30	$\mathcal{O}(0; \{3^2, 10, 15^2, 30\})$	520
30	$\mathcal{O}(0; \{2, 6, 10, 15^2, 30\})$	312
30	$\mathcal{O}(0; \{2, 5, 15^3, 30\})$	1224
30	$\mathcal{O}(0; \{2^2, 3^2, 5, 30^2\})$	72
30	$\mathcal{O}(0; \{2^3, 5, 6, 30^2\})$	24
30	$\mathcal{O}(0; \{3, 5, 6^2, 30^2\})$	120
30	$\mathcal{O}(0; \{3^2, 10^2, 30^2\})$	312
30	$\mathcal{O}(0; \{2, 6, 10^2, 30^2\})$	104
30	$\mathcal{O}(0; \{2, 5, 10, 15, 30^2\})$	408
30	$\mathcal{O}(0; \{2^3, 3, 30^3\})$	72
30	$\mathcal{O}(0; \{3^2, 6, 30^3\})$	264
30	$\mathcal{O}(0; \{2, 6^2, 30^3\})$	120
32	$\mathcal{O}(1; \{2^2, 16^2\})$	6144
32	$\mathcal{O}(1; \{16, 32^2\})$	131072
32	$\mathcal{O}(0; \{2^4, 16, 32^2\})$	128
32	$\mathcal{O}(0; \{2, 4^2, 16, 32^2\})$	512
32	$\mathcal{O}(0; \{2^2, 32^4\})$	4096

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
33	$\mathcal{O}(0; \{3^3, 11^2, 33\})$	540
33	$\mathcal{O}(0; \{11, 33^4\})$	54540
35	$\mathcal{O}(1; \{5, 7, 35\})$	29400
35	$\mathcal{O}(0; \{7^2, 35^3\})$	13320
36	$\mathcal{O}(1; \{3, 18^2\})$	11664
36	$\mathcal{O}(0; \{9^2, 12^2, 18\})$	144
36	$\mathcal{O}(0; \{2, 3, 4^2, 18^2\})$	24
36	$\mathcal{O}(0; \{2^2, 4, 12, 18^2\})$	24
36	$\mathcal{O}(0; \{6, 12^2, 18^2\})$	96
36	$\mathcal{O}(0; \{9^3, 12, 36\})$	648
36	$\mathcal{O}(0; \{2^2, 4, 9, 18, 36\})$	36
36	$\mathcal{O}(0; \{6, 9, 12, 18, 36\})$	144
36	$\mathcal{O}(0; \{4, 18^3, 36\})$	324
36	$\mathcal{O}(0; \{6, 9^2, 36^2\})$	648
36	$\mathcal{O}(0; \{2^2, 3, 18, 36^2\})$	72
36	$\mathcal{O}(0; \{6^2, 18, 36^2\})$	144
36	$\mathcal{O}(0; \{4, 12, 18, 36^2\})$	288
36	$\mathcal{O}(0; \{4, 9, 36^3\})$	1296
36	$\mathcal{O}(0; \{3, 36^4\})$	2592
38	$\mathcal{O}(1; \{2, 19, 38\})$	25992
38	$\mathcal{O}(0; \{2^5, 19, 38\})$	18
38	$\mathcal{O}(0; \{2^3, 38^3\})$	306
40	$\mathcal{O}(0; \{4, 8^2, 10^2\})$	32
40	$\mathcal{O}(0; \{5^2, 8^2, 20\})$	96
40	$\mathcal{O}(0; \{4, 5, 8, 10, 40\})$	96
40	$\mathcal{O}(0; \{2^3, 8, 20, 40\})$	32
40	$\mathcal{O}(0; \{4^2, 8, 20, 40\})$	128
40	$\mathcal{O}(0; \{4, 5^2, 40^2\})$	416
40	$\mathcal{O}(0; \{2, 10, 20, 40^2\})$	416
40	$\mathcal{O}(0; \{2, 8, 40^3\})$	768
42	$\mathcal{O}(0; \{2^2, 3^2, 14^2\})$	12
42	$\mathcal{O}(0; \{3, 6^2, 14^2\})$	12
42	$\mathcal{O}(0; \{2, 7, 14, 21^2\})$	372
42	$\mathcal{O}(0; \{2, 6, 21^3\})$	180
42	$\mathcal{O}(0; \{3, 6, 7^2, 42\})$	60
42	$\mathcal{O}(0; \{3^2, 14, 21, 42\})$	180
42	$\mathcal{O}(0; \{2, 6, 14, 21, 42\})$	60
44	$\mathcal{O}(0; \{2, 4, 11, 22, 44\})$	180
45	$\mathcal{O}(0; \{3, 5^2, 9^2\})$	48
46	$\mathcal{O}(2; \emptyset)$	4197600
46	$\mathcal{O}(1; \{2^4\})$	2112
47	$\mathcal{O}(1; \{47^2\})$	101614
48	$\mathcal{O}(1; \{24^2\})$	13824

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(0; \{3^3, 16, 48\})$	48
48	$\mathcal{O}(0; \{2, 3, 6, 16, 48\})$	16
48	$\mathcal{O}(0; \{2^2, 24, 48^2\})$	64
48	$\mathcal{O}(0; \{48^4\})$	3072
50	$\mathcal{O}(0; \{2^2, 10, 25, 50\})$	80
50	$\mathcal{O}(0; \{10, 50^3\})$	1200
54	$\mathcal{O}(0; \{6, 18, 27^2\})$	216
55	$\mathcal{O}(0; \{5, 11, 55^2\})$	1080
56	$\mathcal{O}(0; \{8^2, 14, 28\})$	48
56	$\mathcal{O}(0; \{7, 8, 14, 56\})$	120
56	$\mathcal{O}(0; \{4, 14, 56^2\})$	240
57	$\mathcal{O}(0; \{3, 57^3\})$	1836
60	$\mathcal{O}(0; \{5, 10, 12^2\})$	16
60	$\mathcal{O}(0; \{4, 12, 15^2\})$	16
60	$\mathcal{O}(0; \{4, 10, 12, 30\})$	16
60	$\mathcal{O}(0; \{3, 20^2, 30\})$	48
60	$\mathcal{O}(0; \{5, 6, 12, 60\})$	16
60	$\mathcal{O}(0; \{3, 15, 20, 60\})$	48
60	$\mathcal{O}(0; \{4, 6, 30, 60\})$	16
60	$\mathcal{O}(0; \{3, 12, 30, 60\})$	48
60	$\mathcal{O}(0; \{3, 10, 60^2\})$	48
64	$\mathcal{O}(0; \{2, 32, 64^2\})$	512
66	$\mathcal{O}(0; \{2, 22, 33^2\})$	180
66	$\mathcal{O}(0; \{3, 6, 11, 66\})$	20
69	$\mathcal{O}(1; \{3^2\})$	9504
70	$\mathcal{O}(0; \{2, 10, 14, 70\})$	24
70	$\mathcal{O}(0; \{2, 7, 35, 70\})$	120
76	$\mathcal{O}(0; \{2, 4, 38, 76\})$	36
92	$\mathcal{O}(1; \{2^2\})$	6336
94	$\mathcal{O}(0; \{2^2, 94^2\})$	46
95	$\mathcal{O}(0; \{95^3\})$	3672
96	$\mathcal{O}(0; \{48, 96^2\})$	256
100	$\mathcal{O}(0; \{20, 50, 100\})$	160
105	$\mathcal{O}(0; \{15, 21, 105\})$	48
110	$\mathcal{O}(0; \{10, 22, 55\})$	40
114	$\mathcal{O}(0; \{6, 57, 114\})$	36
141	$\mathcal{O}(0; \{3, 141^2\})$	92
188	$\mathcal{O}(0; \{2, 188^2\})$	92
190	$\mathcal{O}(0; \{2, 95, 190\})$	72

Table 8: 48-admissible orbifolds.

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(48; \emptyset)$	1
2	$\mathcal{O}(24; \{2^2\})$	281474976710656
2	$\mathcal{O}(23; \{2^6\})$	70368744177664
2	$\mathcal{O}(22; \{2^{10}\})$	17592186044416
2	$\mathcal{O}(21; \{2^{14}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{18}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{22}\})$	274877906944
2	$\mathcal{O}(18; \{2^{26}\})$	68719476736
2	$\mathcal{O}(17; \{2^{30}\})$	17179869184
2	$\mathcal{O}(16; \{2^{34}\})$	4294967296
2	$\mathcal{O}(15; \{2^{38}\})$	1073741824
2	$\mathcal{O}(14; \{2^{42}\})$	268435456
2	$\mathcal{O}(13; \{2^{46}\})$	67108864
2	$\mathcal{O}(12; \{2^{50}\})$	16777216
2	$\mathcal{O}(11; \{2^{54}\})$	4194304
2	$\mathcal{O}(10; \{2^{58}\})$	1048576
2	$\mathcal{O}(9; \{2^{62}\})$	262144
2	$\mathcal{O}(8; \{2^{66}\})$	65536
2	$\mathcal{O}(7; \{2^{70}\})$	16384
2	$\mathcal{O}(6; \{2^{74}\})$	4096
2	$\mathcal{O}(5; \{2^{78}\})$	1024
2	$\mathcal{O}(4; \{2^{82}\})$	256
2	$\mathcal{O}(3; \{2^{86}\})$	64
2	$\mathcal{O}(2; \{2^{90}\})$	16
2	$\mathcal{O}(1; \{2^{94}\})$	4
2	$\mathcal{O}(0; \{2^{98}\})$	1
3	$\mathcal{O}(16; \{3^2\})$	3706040377703682
3	$\mathcal{O}(15; \{3^5\})$	2058911320946490
3	$\mathcal{O}(14; \{3^8\})$	1967404151126646
3	$\mathcal{O}(13; \{3^{11}\})$	1733552494920378
3	$\mathcal{O}(12; \{3^{14}\})$	1542630128259222
3	$\mathcal{O}(11; \{3^{17}\})$	1371038494317210
3	$\mathcal{O}(10; \{3^{20}\})$	1218721804543926
3	$\mathcal{O}(9; \{3^{23}\})$	1083305946182778
3	$\mathcal{O}(8; \{3^{26}\})$	962938877109462
3	$\mathcal{O}(7; \{3^{29}\})$	855945639843930
3	$\mathcal{O}(6; \{3^{32}\})$	760840571938806
3	$\mathcal{O}(5; \{3^{35}\})$	676302730257978
3	$\mathcal{O}(4; \{3^{38}\})$	601157982490902
3	$\mathcal{O}(3; \{3^{41}\})$	534362651098650
3	$\mathcal{O}(2; \{3^{44}\})$	474989023199286
3	$\mathcal{O}(1; \{3^{47}\})$	422212465065978

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Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
3	$\mathcal{O}(0; \{3^{50}\})$	375299968947542
4	$\mathcal{O}(12; \{4^2\})$	562949953421312
4	$\mathcal{O}(11; \{2^4, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{2, 4^4\})$	140737488355328
4	$\mathcal{O}(10; \{2^8, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{2^5, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{2^2, 4^6\})$	35184372088832
4	$\mathcal{O}(9; \{2^{12}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^9, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^6, 4^6\})$	2199023255552
4	$\mathcal{O}(9; \{2^3, 4^8\})$	8796093022208
4	$\mathcal{O}(9; \{4^{10}\})$	35184372088832
4	$\mathcal{O}(8; \{2^{16}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{13}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^{10}, 4^6\})$	137438953472
4	$\mathcal{O}(8; \{2^7, 4^8\})$	549755813888
4	$\mathcal{O}(8; \{2^4, 4^{10}\})$	2199023255552
4	$\mathcal{O}(8; \{2, 4^{12}\})$	8796093022208
4	$\mathcal{O}(7; \{2^{20}, 4^2\})$	536870912
4	$\mathcal{O}(7; \{2^{17}, 4^4\})$	2147483648
4	$\mathcal{O}(7; \{2^{14}, 4^6\})$	8589934592
4	$\mathcal{O}(7; \{2^{11}, 4^8\})$	34359738368
4	$\mathcal{O}(7; \{2^8, 4^{10}\})$	137438953472
4	$\mathcal{O}(7; \{2^5, 4^{12}\})$	549755813888
4	$\mathcal{O}(7; \{2^2, 4^{14}\})$	2199023255552
4	$\mathcal{O}(6; \{2^{24}, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^{21}, 4^4\})$	134217728
4	$\mathcal{O}(6; \{2^{18}, 4^6\})$	536870912
4	$\mathcal{O}(6; \{2^{15}, 4^8\})$	2147483648
4	$\mathcal{O}(6; \{2^{12}, 4^{10}\})$	8589934592
4	$\mathcal{O}(6; \{2^9, 4^{12}\})$	34359738368
4	$\mathcal{O}(6; \{2^6, 4^{14}\})$	137438953472
4	$\mathcal{O}(6; \{2^3, 4^{16}\})$	549755813888
4	$\mathcal{O}(6; \{4^{18}\})$	2199023255552
4	$\mathcal{O}(5; \{2^{28}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^{25}, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^{22}, 4^6\})$	33554432
4	$\mathcal{O}(5; \{2^{19}, 4^8\})$	134217728
4	$\mathcal{O}(5; \{2^{16}, 4^{10}\})$	536870912
4	$\mathcal{O}(5; \{2^{13}, 4^{12}\})$	2147483648
4	$\mathcal{O}(5; \{2^{10}, 4^{14}\})$	8589934592
4	$\mathcal{O}(5; \{2^7, 4^{16}\})$	34359738368
4	$\mathcal{O}(5; \{2^4, 4^{18}\})$	137438953472

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Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(5; \{2, 4^{20}\})$	549755813888
4	$\mathcal{O}(4; \{2^{32}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{29}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{26}, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^{23}, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^{20}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{17}, 4^{12}\})$	134217728
4	$\mathcal{O}(4; \{2^{14}, 4^{14}\})$	536870912
4	$\mathcal{O}(4; \{2^{11}, 4^{16}\})$	2147483648
4	$\mathcal{O}(4; \{2^8, 4^{18}\})$	8589934592
4	$\mathcal{O}(4; \{2^5, 4^{20}\})$	34359738368
4	$\mathcal{O}(4; \{2^2, 4^{22}\})$	137438953472
4	$\mathcal{O}(3; \{2^{36}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{33}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{30}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{27}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{24}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{21}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{18}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{15}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^{12}, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^9, 4^{20}\})$	2147483648
4	$\mathcal{O}(3; \{2^6, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{2^3, 4^{24}\})$	34359738368
4	$\mathcal{O}(3; \{4^{26}\})$	137438953472
4	$\mathcal{O}(2; \{2^{40}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{37}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{34}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{31}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{28}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{25}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{22}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{19}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{16}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{13}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^{10}, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^7, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2^4, 4^{26}\})$	8589934592
4	$\mathcal{O}(2; \{2, 4^{28}\})$	34359738368
4	$\mathcal{O}(1; \{2^{44}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{41}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{38}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{35}, 4^8\})$	2048

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Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(1; \{2^{32}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{29}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{26}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{23}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{20}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{17}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{14}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^{11}, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^8, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^5, 4^{28}\})$	2147483648
4	$\mathcal{O}(1; \{2^2, 4^{30}\})$	8589934592
4	$\mathcal{O}(0; \{2^{48}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{45}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{42}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{39}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{36}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{33}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{30}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{27}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{24}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{21}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{18}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{15}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{12}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^9, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2^6, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2^3, 4^{32}\})$	2147483648
4	$\mathcal{O}(0; \{4^{34}\})$	8589934592
5	$\mathcal{O}(8; \{5^6\})$	125122070312500
5	$\mathcal{O}(6; \{5^{11}\})$	204799804687500
5	$\mathcal{O}(4; \{5^{16}\})$	335544320312500
5	$\mathcal{O}(2; \{5^{21}\})$	549755813887500
5	$\mathcal{O}(0; \{5^{26}\})$	900719925474100
6	$\mathcal{O}(8; \{6^2\})$	5642219814912
6	$\mathcal{O}(7; \{2^2, 3^4\})$	470184984576
6	$\mathcal{O}(7; \{2^3, 3^2, 6\})$	156728328192
6	$\mathcal{O}(7; \{2^4, 6^2\})$	156728328192
6	$\mathcal{O}(7; \{3^3, 6^2\})$	783641640960
6	$\mathcal{O}(7; \{2, 3, 6^3\})$	470184984576
6	$\mathcal{O}(6; \{2^6, 3^4\})$	13060694016
6	$\mathcal{O}(6; \{2^2, 3^7\})$	91424858112
6	$\mathcal{O}(6; \{2^7, 3^2, 6\})$	4353564672
6	$\mathcal{O}(6; \{2^3, 3^5, 6\})$	47889211392

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Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2^8, 6^2\})$	4353564672
6	$\mathcal{O}(6; \{2^4, 3^3, 6^2\})$	21767823360
6	$\mathcal{O}(6; \{3^6, 6^2\})$	187203280896
6	$\mathcal{O}(6; \{2^5, 3, 6^3\})$	13060694016
6	$\mathcal{O}(6; \{2, 3^4, 6^3\})$	91424858112
6	$\mathcal{O}(6; \{2^2, 3^2, 6^4\})$	47889211392
6	$\mathcal{O}(6; \{2^3, 6^5\})$	21767823360
6	$\mathcal{O}(6; \{3, 6^6\})$	91424858112
6	$\mathcal{O}(5; \{2^{10}, 3^4\})$	362797056
6	$\mathcal{O}(5; \{2^6, 3^7\})$	2539579392
6	$\mathcal{O}(5; \{2^2, 3^{10}\})$	20679432192
6	$\mathcal{O}(5; \{2^{11}, 3^2, 6\})$	120932352
6	$\mathcal{O}(5; \{2^7, 3^5, 6\})$	1330255872
6	$\mathcal{O}(5; \{2^3, 3^8, 6\})$	10279249920
6	$\mathcal{O}(5; \{2^{12}, 6^2\})$	120932352
6	$\mathcal{O}(5; \{2^8, 3^3, 6^2\})$	604661760
6	$\mathcal{O}(5; \{2^4, 3^6, 6^2\})$	5200091136
6	$\mathcal{O}(5; \{3^9, 6^2\})$	41237932032
6	$\mathcal{O}(5; \{2^9, 3, 6^3\})$	362797056
6	$\mathcal{O}(5; \{2^5, 3^4, 6^3\})$	2539579392
6	$\mathcal{O}(5; \{2, 3^7, 6^3\})$	20679432192
6	$\mathcal{O}(5; \{2^6, 3^2, 6^4\})$	1330255872
6	$\mathcal{O}(5; \{2^2, 3^5, 6^4\})$	10279249920
6	$\mathcal{O}(5; \{2^7, 6^5\})$	604661760
6	$\mathcal{O}(5; \{2^3, 3^3, 6^5\})$	5200091136
6	$\mathcal{O}(5; \{2^4, 3, 6^6\})$	2539579392
6	$\mathcal{O}(5; \{3^4, 6^6\})$	20679432192
6	$\mathcal{O}(5; \{2, 3^2, 6^7\})$	10279249920
6	$\mathcal{O}(5; \{2^2, 6^8\})$	5200091136
6	$\mathcal{O}(4; \{2^{14}, 3^4\})$	10077696
6	$\mathcal{O}(4; \{2^{10}, 3^7\})$	70543872
6	$\mathcal{O}(4; \{2^6, 3^{10}\})$	574428672
6	$\mathcal{O}(4; \{2^2, 3^{13}\})$	4585351680
6	$\mathcal{O}(4; \{2^{15}, 3^2, 6\})$	3359232
6	$\mathcal{O}(4; \{2^{11}, 3^5, 6\})$	36951552
6	$\mathcal{O}(4; \{2^7, 3^8, 6\})$	285534720
6	$\mathcal{O}(4; \{2^3, 3^{11}, 6\})$	2294355456
6	$\mathcal{O}(4; \{2^{16}, 6^2\})$	3359232
6	$\mathcal{O}(4; \{2^{12}, 3^3, 6^2\})$	16796160
6	$\mathcal{O}(4; \{2^8, 3^6, 6^2\})$	144446976
6	$\mathcal{O}(4; \{2^4, 3^9, 6^2\})$	1145498112
6	$\mathcal{O}(4; \{3^{12}, 6^2\})$	9174062592
6	$\mathcal{O}(4; \{2^{13}, 3, 6^3\})$	10077696

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Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^9, 3^4, 6^3\})$	70543872
6	$\mathcal{O}(4; \{2^5, 3^7, 6^3\})$	574428672
6	$\mathcal{O}(4; \{2, 3^{10}, 6^3\})$	4585351680
6	$\mathcal{O}(4; \{2^{10}, 3^2, 6^4\})$	36951552
6	$\mathcal{O}(4; \{2^6, 3^5, 6^4\})$	285534720
6	$\mathcal{O}(4; \{2^2, 3^8, 6^4\})$	2294355456
6	$\mathcal{O}(4; \{2^{11}, 6^5\})$	16796160
6	$\mathcal{O}(4; \{2^7, 3^3, 6^5\})$	144446976
6	$\mathcal{O}(4; \{2^3, 3^6, 6^5\})$	1145498112
6	$\mathcal{O}(4; \{2^8, 3, 6^6\})$	70543872
6	$\mathcal{O}(4; \{2^4, 3^4, 6^6\})$	574428672
6	$\mathcal{O}(4; \{3^7, 6^6\})$	4585351680
6	$\mathcal{O}(4; \{2^5, 3^2, 6^7\})$	285534720
6	$\mathcal{O}(4; \{2, 3^5, 6^7\})$	2294355456
6	$\mathcal{O}(4; \{2^6, 6^8\})$	144446976
6	$\mathcal{O}(4; \{2^2, 3^3, 6^8\})$	1145498112
6	$\mathcal{O}(4; \{2^3, 3, 6^9\})$	574428672
6	$\mathcal{O}(4; \{3^2, 6^{10}\})$	2294355456
6	$\mathcal{O}(4; \{2, 6^{11}\})$	1145498112
6	$\mathcal{O}(3; \{2^{18}, 3^4\})$	279936
6	$\mathcal{O}(3; \{2^{14}, 3^7\})$	1959552
6	$\mathcal{O}(3; \{2^{10}, 3^{10}\})$	15956352
6	$\mathcal{O}(3; \{2^6, 3^{13}\})$	127370880
6	$\mathcal{O}(3; \{2^2, 3^{16}\})$	1019246976
6	$\mathcal{O}(3; \{2^{19}, 3^2, 6\})$	93312
6	$\mathcal{O}(3; \{2^{15}, 3^5, 6\})$	1026432
6	$\mathcal{O}(3; \{2^{11}, 3^8, 6\})$	7931520
6	$\mathcal{O}(3; \{2^7, 3^{11}, 6\})$	63732096
6	$\mathcal{O}(3; \{2^3, 3^{14}, 6\})$	509576832
6	$\mathcal{O}(3; \{2^{20}, 6^2\})$	93312
6	$\mathcal{O}(3; \{2^{16}, 3^3, 6^2\})$	466560
6	$\mathcal{O}(3; \{2^{12}, 3^6, 6^2\})$	4012416
6	$\mathcal{O}(3; \{2^8, 3^9, 6^2\})$	31819392
6	$\mathcal{O}(3; \{2^4, 3^{12}, 6^2\})$	254835072
6	$\mathcal{O}(3; \{3^{15}, 6^2\})$	2038400640
6	$\mathcal{O}(3; \{2^{17}, 3, 6^3\})$	279936
6	$\mathcal{O}(3; \{2^{13}, 3^4, 6^3\})$	1959552
6	$\mathcal{O}(3; \{2^9, 3^7, 6^3\})$	15956352
6	$\mathcal{O}(3; \{2^5, 3^{10}, 6^3\})$	127370880
6	$\mathcal{O}(3; \{2, 3^{13}, 6^3\})$	1019246976
6	$\mathcal{O}(3; \{2^{14}, 3^2, 6^4\})$	1026432
6	$\mathcal{O}(3; \{2^{10}, 3^5, 6^4\})$	7931520
6	$\mathcal{O}(3; \{2^6, 3^8, 6^4\})$	63732096

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Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^2, 3^{11}, 6^4\})$	509576832
6	$\mathcal{O}(3; \{2^{15}, 6^5\})$	466560
6	$\mathcal{O}(3; \{2^{11}, 3^3, 6^5\})$	4012416
6	$\mathcal{O}(3; \{2^7, 3^6, 6^5\})$	31819392
6	$\mathcal{O}(3; \{2^3, 3^9, 6^5\})$	254835072
6	$\mathcal{O}(3; \{2^{12}, 3, 6^6\})$	1959552
6	$\mathcal{O}(3; \{2^8, 3^4, 6^6\})$	15956352
6	$\mathcal{O}(3; \{2^4, 3^7, 6^6\})$	127370880
6	$\mathcal{O}(3; \{3^{10}, 6^6\})$	1019246976
6	$\mathcal{O}(3; \{2^9, 3^2, 6^7\})$	7931520
6	$\mathcal{O}(3; \{2^5, 3^5, 6^7\})$	63732096
6	$\mathcal{O}(3; \{2, 3^8, 6^7\})$	509576832
6	$\mathcal{O}(3; \{2^{10}, 6^8\})$	4012416
6	$\mathcal{O}(3; \{2^6, 3^3, 6^8\})$	31819392
6	$\mathcal{O}(3; \{2^2, 3^6, 6^8\})$	254835072
6	$\mathcal{O}(3; \{2^7, 3, 6^9\})$	15956352
6	$\mathcal{O}(3; \{2^3, 3^4, 6^9\})$	127370880
6	$\mathcal{O}(3; \{2^4, 3^2, 6^{10}\})$	63732096
6	$\mathcal{O}(3; \{3^5, 6^{10}\})$	509576832
6	$\mathcal{O}(3; \{2^5, 6^{11}\})$	31819392
6	$\mathcal{O}(3; \{2, 3^3, 6^{11}\})$	254835072
6	$\mathcal{O}(3; \{2^2, 3, 6^{12}\})$	127370880
6	$\mathcal{O}(3; \{6^{14}\})$	254835072
6	$\mathcal{O}(2; \{2^{22}, 3^4\})$	7776
6	$\mathcal{O}(2; \{2^{18}, 3^7\})$	54432
6	$\mathcal{O}(2; \{2^{14}, 3^{10}\})$	443232
6	$\mathcal{O}(2; \{2^{10}, 3^{13}\})$	3538080
6	$\mathcal{O}(2; \{2^6, 3^{16}\})$	28312416
6	$\mathcal{O}(2; \{2^2, 3^{19}\})$	226491552
6	$\mathcal{O}(2; \{2^{23}, 3^2, 6\})$	2592
6	$\mathcal{O}(2; \{2^{19}, 3^5, 6\})$	28512
6	$\mathcal{O}(2; \{2^{15}, 3^8, 6\})$	220320
6	$\mathcal{O}(2; \{2^{11}, 3^{11}, 6\})$	1770336
6	$\mathcal{O}(2; \{2^7, 3^{14}, 6\})$	14154912
6	$\mathcal{O}(2; \{2^3, 3^{17}, 6\})$	113247072
6	$\mathcal{O}(2; \{2^{24}, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^{20}, 3^3, 6^2\})$	12960
6	$\mathcal{O}(2; \{2^{16}, 3^6, 6^2\})$	111456
6	$\mathcal{O}(2; \{2^{12}, 3^9, 6^2\})$	883872
6	$\mathcal{O}(2; \{2^8, 3^{12}, 6^2\})$	7078752
6	$\mathcal{O}(2; \{2^4, 3^{15}, 6^2\})$	56622240
6	$\mathcal{O}(2; \{3^{18}, 6^2\})$	452985696
6	$\mathcal{O}(2; \{2^{21}, 3, 6^3\})$	7776

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Table 8 – continued from previous page

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

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Table 8 – continued from previous page

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

Continued on next page

Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{12}, 3^7, 6^6\})$	98280
6	$\mathcal{O}(1; \{2^8, 3^{10}, 6^6\})$	786456
6	$\mathcal{O}(1; \{2^4, 3^{13}, 6^6\})$	6291432
6	$\mathcal{O}(1; \{3^{16}, 6^6\})$	50331672
6	$\mathcal{O}(1; \{2^{17}, 3^2, 6^7\})$	6120
6	$\mathcal{O}(1; \{2^{13}, 3^5, 6^7\})$	49176
6	$\mathcal{O}(1; \{2^9, 3^8, 6^7\})$	393192
6	$\mathcal{O}(1; \{2^5, 3^{11}, 6^7\})$	3145752
6	$\mathcal{O}(1; \{2, 3^{14}, 6^7\})$	25165800
6	$\mathcal{O}(1; \{2^{18}, 6^8\})$	3096
6	$\mathcal{O}(1; \{2^{14}, 3^3, 6^8\})$	24552
6	$\mathcal{O}(1; \{2^{10}, 3^6, 6^8\})$	196632
6	$\mathcal{O}(1; \{2^6, 3^9, 6^8\})$	1572840
6	$\mathcal{O}(1; \{2^2, 3^{12}, 6^8\})$	12582936
6	$\mathcal{O}(1; \{2^{15}, 3, 6^9\})$	12312
6	$\mathcal{O}(1; \{2^{11}, 3^4, 6^9\})$	98280
6	$\mathcal{O}(1; \{2^7, 3^7, 6^9\})$	786456
6	$\mathcal{O}(1; \{2^3, 3^{10}, 6^9\})$	6291432
6	$\mathcal{O}(1; \{2^{12}, 3^2, 6^{10}\})$	49176
6	$\mathcal{O}(1; \{2^8, 3^5, 6^{10}\})$	393192
6	$\mathcal{O}(1; \{2^4, 3^8, 6^{10}\})$	3145752
6	$\mathcal{O}(1; \{3^{11}, 6^{10}\})$	25165800
6	$\mathcal{O}(1; \{2^{13}, 6^{11}\})$	24552
6	$\mathcal{O}(1; \{2^9, 3^3, 6^{11}\})$	196632
6	$\mathcal{O}(1; \{2^5, 3^6, 6^{11}\})$	1572840
6	$\mathcal{O}(1; \{2, 3^9, 6^{11}\})$	12582936
6	$\mathcal{O}(1; \{2^{10}, 3, 6^{12}\})$	98280
6	$\mathcal{O}(1; \{2^6, 3^4, 6^{12}\})$	786456
6	$\mathcal{O}(1; \{2^2, 3^7, 6^{12}\})$	6291432
6	$\mathcal{O}(1; \{2^7, 3^2, 6^{13}\})$	393192
6	$\mathcal{O}(1; \{2^3, 3^5, 6^{13}\})$	3145752
6	$\mathcal{O}(1; \{2^8, 6^{14}\})$	196632
6	$\mathcal{O}(1; \{2^4, 3^3, 6^{14}\})$	1572840
6	$\mathcal{O}(1; \{3^6, 6^{14}\})$	12582936
6	$\mathcal{O}(1; \{2^5, 3, 6^{15}\})$	786456
6	$\mathcal{O}(1; \{2, 3^4, 6^{15}\})$	6291432
6	$\mathcal{O}(1; \{2^2, 3^2, 6^{16}\})$	3145752
6	$\mathcal{O}(1; \{2^3, 6^{17}\})$	1572840
6	$\mathcal{O}(1; \{3, 6^{18}\})$	6291432
6	$\mathcal{O}(0; \{2^{30}, 3^4\})$	6
6	$\mathcal{O}(0; \{2^{26}, 3^7\})$	42
6	$\mathcal{O}(0; \{2^{22}, 3^{10}\})$	342
6	$\mathcal{O}(0; \{2^{18}, 3^{13}\})$	2730

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Table 8 – continued from previous page

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

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Table 8 – continued from previous page

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

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Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^4, 3^6, 6^{14}\})$	349526
6	$\mathcal{O}(0; \{3^9, 6^{14}\})$	2796202
6	$\mathcal{O}(0; \{2^9, 3, 6^{15}\})$	21846
6	$\mathcal{O}(0; \{2^5, 3^4, 6^{15}\})$	174762
6	$\mathcal{O}(0; \{2, 3^7, 6^{15}\})$	1398102
6	$\mathcal{O}(0; \{2^6, 3^2, 6^{16}\})$	87382
6	$\mathcal{O}(0; \{2^2, 3^5, 6^{16}\})$	699050
6	$\mathcal{O}(0; \{2^7, 6^{17}\})$	43690
6	$\mathcal{O}(0; \{2^3, 3^3, 6^{17}\})$	349526
6	$\mathcal{O}(0; \{2^4, 3, 6^{18}\})$	174762
6	$\mathcal{O}(0; \{3^4, 6^{18}\})$	1398102
6	$\mathcal{O}(0; \{2, 3^2, 6^{19}\})$	699050
6	$\mathcal{O}(0; \{2^2, 6^{20}\})$	349526
7	$\mathcal{O}(6; \{7^4\})$	2574479419386
7	$\mathcal{O}(3; \{7^{11}\})$	6097530019350
7	$\mathcal{O}(0; \{7^{18}\})$	14508565238346
8	$\mathcal{O}(6; \{8^2\})$	274877906944
8	$\mathcal{O}(5; \{2^4, 8^2\})$	4294967296
8	$\mathcal{O}(5; \{2, 4^2, 8^2\})$	17179869184
8	$\mathcal{O}(4; \{2^8, 8^2\})$	67108864
8	$\mathcal{O}(4; \{2^5, 4^2, 8^2\})$	268435456
8	$\mathcal{O}(4; \{2^2, 4^4, 8^2\})$	1073741824
8	$\mathcal{O}(4; \{2^3, 4, 8^4\})$	2147483648
8	$\mathcal{O}(4; \{4^3, 8^4\})$	8589934592
8	$\mathcal{O}(4; \{2, 8^6\})$	17179869184
8	$\mathcal{O}(3; \{2^{12}, 8^2\})$	1048576
8	$\mathcal{O}(3; \{2^9, 4^2, 8^2\})$	4194304
8	$\mathcal{O}(3; \{2^6, 4^4, 8^2\})$	16777216
8	$\mathcal{O}(3; \{2^3, 4^6, 8^2\})$	67108864
8	$\mathcal{O}(3; \{4^8, 8^2\})$	268435456
8	$\mathcal{O}(3; \{2^7, 4, 8^4\})$	33554432
8	$\mathcal{O}(3; \{2^4, 4^3, 8^4\})$	134217728
8	$\mathcal{O}(3; \{2, 4^5, 8^4\})$	536870912
8	$\mathcal{O}(3; \{2^5, 8^6\})$	268435456
8	$\mathcal{O}(3; \{2^2, 4^2, 8^6\})$	1073741824
8	$\mathcal{O}(3; \{4, 8^8\})$	8589934592
8	$\mathcal{O}(2; \{2^{16}, 8^2\})$	16384
8	$\mathcal{O}(2; \{2^{13}, 4^2, 8^2\})$	65536
8	$\mathcal{O}(2; \{2^{10}, 4^4, 8^2\})$	262144
8	$\mathcal{O}(2; \{2^7, 4^6, 8^2\})$	1048576
8	$\mathcal{O}(2; \{2^4, 4^8, 8^2\})$	4194304
8	$\mathcal{O}(2; \{2, 4^{10}, 8^2\})$	16777216
8	$\mathcal{O}(2; \{2^{11}, 4, 8^4\})$	524288

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Table 8 – continued from previous page

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

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Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{4^{16}, 8^2\})$	262144
8	$\mathcal{O}(0; \{2^{19}, 4, 8^4\})$	128
8	$\mathcal{O}(0; \{2^{16}, 4^3, 8^4\})$	512
8	$\mathcal{O}(0; \{2^{13}, 4^5, 8^4\})$	2048
8	$\mathcal{O}(0; \{2^{10}, 4^7, 8^4\})$	8192
8	$\mathcal{O}(0; \{2^7, 4^9, 8^4\})$	32768
8	$\mathcal{O}(0; \{2^4, 4^{11}, 8^4\})$	131072
8	$\mathcal{O}(0; \{2, 4^{13}, 8^4\})$	524288
8	$\mathcal{O}(0; \{2^{17}, 8^6\})$	1024
8	$\mathcal{O}(0; \{2^{14}, 4^2, 8^6\})$	4096
8	$\mathcal{O}(0; \{2^{11}, 4^4, 8^6\})$	16384
8	$\mathcal{O}(0; \{2^8, 4^6, 8^6\})$	65536
8	$\mathcal{O}(0; \{2^5, 4^8, 8^6\})$	262144
8	$\mathcal{O}(0; \{2^2, 4^{10}, 8^6\})$	1048576
8	$\mathcal{O}(0; \{2^{12}, 4, 8^8\})$	32768
8	$\mathcal{O}(0; \{2^9, 4^3, 8^8\})$	131072
8	$\mathcal{O}(0; \{2^6, 4^5, 8^8\})$	524288
8	$\mathcal{O}(0; \{2^3, 4^7, 8^8\})$	2097152
8	$\mathcal{O}(0; \{4^9, 8^8\})$	8388608
8	$\mathcal{O}(0; \{2^{10}, 8^{10}\})$	262144
8	$\mathcal{O}(0; \{2^7, 4^2, 8^{10}\})$	1048576
8	$\mathcal{O}(0; \{2^4, 4^4, 8^{10}\})$	4194304
8	$\mathcal{O}(0; \{2, 4^6, 8^{10}\})$	16777216
8	$\mathcal{O}(0; \{2^5, 4, 8^{12}\})$	8388608
8	$\mathcal{O}(0; \{2^2, 4^3, 8^{12}\})$	33554432
8	$\mathcal{O}(0; \{2^3, 8^{14}\})$	67108864
8	$\mathcal{O}(0; \{4^2, 8^{14}\})$	268435456
9	$\mathcal{O}(5; \{3, 9^2\})$	41841412812
9	$\mathcal{O}(4; \{3^4, 9^2\})$	4132485216
9	$\mathcal{O}(4; \{9^5\})$	34867844010
9	$\mathcal{O}(3; \{3^7, 9^2\})$	408146688
9	$\mathcal{O}(3; \{3^3, 9^5\})$	3443737680
9	$\mathcal{O}(2; \{3^{10}, 9^2\})$	40310784
9	$\mathcal{O}(2; \{3^6, 9^5\})$	340122240
9	$\mathcal{O}(2; \{3^2, 9^8\})$	4936024008
9	$\mathcal{O}(1; \{3^{13}, 9^2\})$	3981312
9	$\mathcal{O}(1; \{3^9, 9^5\})$	33592320
9	$\mathcal{O}(1; \{3^5, 9^8\})$	487508544
9	$\mathcal{O}(1; \{3, 9^{11}\})$	6523969716
9	$\mathcal{O}(0; \{3^{16}, 9^2\})$	393216
9	$\mathcal{O}(0; \{3^{12}, 9^5\})$	3317760
9	$\mathcal{O}(0; \{3^8, 9^8\})$	48148992
9	$\mathcal{O}(0; \{3^4, 9^{11}\})$	644342688

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Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
9	$\mathcal{O}(0; \{9^{14}\})$	8708192226
10	$\mathcal{O}(4; \{2^2, 5^3\})$	1200000000
10	$\mathcal{O}(4; \{5^2, 10^2\})$	5200000000
10	$\mathcal{O}(3; \{2^6, 5^3\})$	12000000
10	$\mathcal{O}(3; \{2, 5^5, 10\})$	820000000
10	$\mathcal{O}(3; \{2^4, 5^2, 10^2\})$	52000000
10	$\mathcal{O}(3; \{2^2, 5, 10^4\})$	204000000
10	$\mathcal{O}(3; \{10^6\})$	820000000
10	$\mathcal{O}(2; \{2^{10}, 5^3\})$	120000
10	$\mathcal{O}(2; \{2^2, 5^8\})$	131080000
10	$\mathcal{O}(2; \{2^5, 5^5, 10\})$	8200000
10	$\mathcal{O}(2; \{2^8, 5^2, 10^2\})$	520000
10	$\mathcal{O}(2; \{5^7, 10^2\})$	524280000
10	$\mathcal{O}(2; \{2^3, 5^4, 10^3\})$	32760000
10	$\mathcal{O}(2; \{2^6, 5, 10^4\})$	2040000
10	$\mathcal{O}(2; \{2, 5^3, 10^5\})$	131080000
10	$\mathcal{O}(2; \{2^4, 10^6\})$	8200000
10	$\mathcal{O}(1; \{2^{14}, 5^3\})$	1200
10	$\mathcal{O}(1; \{2^6, 5^8\})$	1310800
10	$\mathcal{O}(1; \{2^9, 5^5, 10\})$	82000
10	$\mathcal{O}(1; \{2, 5^{10}, 10\})$	83886000
10	$\mathcal{O}(1; \{2^{12}, 5^2, 10^2\})$	5200
10	$\mathcal{O}(1; \{2^4, 5^7, 10^2\})$	5242800
10	$\mathcal{O}(1; \{2^7, 5^4, 10^3\})$	327600
10	$\mathcal{O}(1; \{2^{10}, 5, 10^4\})$	20400
10	$\mathcal{O}(1; \{2^2, 5^6, 10^4\})$	20971600
10	$\mathcal{O}(1; \{2^5, 5^3, 10^5\})$	1310800
10	$\mathcal{O}(1; \{2^8, 10^6\})$	82000
10	$\mathcal{O}(1; \{5^5, 10^6\})$	83886000
10	$\mathcal{O}(1; \{2^3, 5^2, 10^7\})$	5242800
10	$\mathcal{O}(1; \{2, 5, 10^9\})$	20971600
10	$\mathcal{O}(0; \{2^{18}, 5^3\})$	12
10	$\mathcal{O}(0; \{2^{10}, 5^8\})$	13108
10	$\mathcal{O}(0; \{2^2, 5^{13}\})$	13421772
10	$\mathcal{O}(0; \{2^{13}, 5^5, 10\})$	820
10	$\mathcal{O}(0; \{2^5, 5^{10}, 10\})$	838860
10	$\mathcal{O}(0; \{2^{16}, 5^2, 10^2\})$	52
10	$\mathcal{O}(0; \{2^8, 5^7, 10^2\})$	52428
10	$\mathcal{O}(0; \{5^{12}, 10^2\})$	53687092
10	$\mathcal{O}(0; \{2^{11}, 5^4, 10^3\})$	3276
10	$\mathcal{O}(0; \{2^3, 5^9, 10^3\})$	3355444
10	$\mathcal{O}(0; \{2^{14}, 5, 10^4\})$	204
10	$\mathcal{O}(0; \{2^6, 5^6, 10^4\})$	209716

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Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2^9, 5^3, 10^5\})$	13108
10	$\mathcal{O}(0; \{2, 5^8, 10^5\})$	13421772
10	$\mathcal{O}(0; \{2^{12}, 10^6\})$	820
10	$\mathcal{O}(0; \{2^4, 5^5, 10^6\})$	838860
10	$\mathcal{O}(0; \{2^7, 5^2, 10^7\})$	52428
10	$\mathcal{O}(0; \{2^2, 5^4, 10^8\})$	3355444
10	$\mathcal{O}(0; \{2^5, 5, 10^9\})$	209716
10	$\mathcal{O}(0; \{5^3, 10^{10}\})$	13421772
10	$\mathcal{O}(0; \{2^3, 10^{11}\})$	838860
11	$\mathcal{O}(3; \{11^5\})$	16103489490
12	$\mathcal{O}(4; \{12^2\})$	1719926784
12	$\mathcal{O}(3; \{2^2, 3^2, 4^2\})$	11943936
12	$\mathcal{O}(3; \{3, 4^2, 6^2\})$	11943936
12	$\mathcal{O}(3; \{2^3, 3, 4, 12\})$	11943936
12	$\mathcal{O}(3; \{3, 4^3, 12\})$	47775744
12	$\mathcal{O}(3; \{3^2, 4, 6, 12\})$	35831808
12	$\mathcal{O}(3; \{2, 4, 6^2, 12\})$	11943936
12	$\mathcal{O}(3; \{2^4, 12^2\})$	11943936
12	$\mathcal{O}(3; \{3^3, 12^2\})$	59719680
12	$\mathcal{O}(3; \{2, 4^2, 12^2\})$	47775744
12	$\mathcal{O}(3; \{2, 3, 6, 12^2\})$	35831808
12	$\mathcal{O}(2; \{2^6, 3^2, 4^2\})$	82944
12	$\mathcal{O}(2; \{2^2, 3^5, 4^2\})$	414720
12	$\mathcal{O}(2; \{2^3, 3^2, 4^4\})$	331776
12	$\mathcal{O}(2; \{3^2, 4^6\})$	1327104
12	$\mathcal{O}(2; \{2^3, 3^3, 4^2, 6\})$	248832
12	$\mathcal{O}(2; \{3^3, 4^4, 6\})$	995328
12	$\mathcal{O}(2; \{2^4, 3, 4^2, 6^2\})$	82944
12	$\mathcal{O}(2; \{3^4, 4^2, 6^2\})$	912384
12	$\mathcal{O}(2; \{2, 3, 4^4, 6^2\})$	331776
12	$\mathcal{O}(2; \{2, 3^2, 4^2, 6^3\})$	414720
12	$\mathcal{O}(2; \{2^2, 4^2, 6^4\})$	248832
12	$\mathcal{O}(2; \{2^7, 3, 4, 12\})$	82944
12	$\mathcal{O}(2; \{2^3, 3^4, 4, 12\})$	414720
12	$\mathcal{O}(2; \{2^4, 3, 4^3, 12\})$	331776
12	$\mathcal{O}(2; \{3^4, 4^3, 12\})$	1658880
12	$\mathcal{O}(2; \{2, 3, 4^5, 12\})$	1327104
12	$\mathcal{O}(2; \{2^4, 3^2, 4, 6, 12\})$	248832
12	$\mathcal{O}(2; \{3^5, 4, 6, 12\})$	1741824
12	$\mathcal{O}(2; \{2, 3^2, 4^3, 6, 12\})$	995328
12	$\mathcal{O}(2; \{2^5, 4, 6^2, 12\})$	82944
12	$\mathcal{O}(2; \{2, 3^3, 4, 6^2, 12\})$	912384
12	$\mathcal{O}(2; \{2^2, 4^3, 6^2, 12\})$	331776

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Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^2, 3, 4, 6^3, 12\})$	414720
12	$\mathcal{O}(2; \{4, 6^5, 12\})$	912384
12	$\mathcal{O}(2; \{2^8, 12^2\})$	82944
12	$\mathcal{O}(2; \{2^4, 3^3, 12^2\})$	414720
12	$\mathcal{O}(2; \{3^6, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2^5, 4^2, 12^2\})$	331776
12	$\mathcal{O}(2; \{2, 3^3, 4^2, 12^2\})$	1658880
12	$\mathcal{O}(2; \{2^2, 4^4, 12^2\})$	1327104
12	$\mathcal{O}(2; \{2^5, 3, 6, 12^2\})$	248832
12	$\mathcal{O}(2; \{2, 3^4, 6, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^2, 3, 4^2, 6, 12^2\})$	995328
12	$\mathcal{O}(2; \{2^2, 3^2, 6^2, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^3, 6^3, 12^2\})$	414720
12	$\mathcal{O}(2; \{4^2, 6^3, 12^2\})$	1658880
12	$\mathcal{O}(2; \{3, 6^4, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^2, 3^2, 4, 12^3\})$	1658880
12	$\mathcal{O}(2; \{2^3, 4, 6, 12^3\})$	995328
12	$\mathcal{O}(2; \{4^3, 6, 12^3\})$	3981312
12	$\mathcal{O}(2; \{3, 4, 6^2, 12^3\})$	3649536
12	$\mathcal{O}(2; \{2^3, 3, 12^4\})$	1658880
12	$\mathcal{O}(2; \{3, 4^2, 12^4\})$	6635520
12	$\mathcal{O}(2; \{3^2, 6, 12^4\})$	6967296
12	$\mathcal{O}(2; \{2, 6^2, 12^4\})$	3649536
12	$\mathcal{O}(2; \{2, 4, 12^5\})$	6635520
12	$\mathcal{O}(1; \{2^{10}, 3^2, 4^2\})$	576
12	$\mathcal{O}(1; \{2^6, 3^5, 4^2\})$	2880
12	$\mathcal{O}(1; \{2^2, 3^8, 4^2\})$	24768
12	$\mathcal{O}(1; \{2^7, 3^2, 4^4\})$	2304
12	$\mathcal{O}(1; \{2^3, 3^5, 4^4\})$	11520
12	$\mathcal{O}(1; \{2^4, 3^2, 4^6\})$	9216
12	$\mathcal{O}(1; \{3^5, 4^6\})$	46080
12	$\mathcal{O}(1; \{2, 3^2, 4^8\})$	36864
12	$\mathcal{O}(1; \{2^7, 3^3, 4^2, 6\})$	1728
12	$\mathcal{O}(1; \{2^3, 3^6, 4^2, 6\})$	12096
12	$\mathcal{O}(1; \{2^4, 3^3, 4^4, 6\})$	6912
12	$\mathcal{O}(1; \{3^6, 4^4, 6\})$	48384
12	$\mathcal{O}(1; \{2, 3^3, 4^6, 6\})$	27648
12	$\mathcal{O}(1; \{2^8, 3, 4^2, 6^2\})$	576
12	$\mathcal{O}(1; \{2^4, 3^4, 4^2, 6^2\})$	6336
12	$\mathcal{O}(1; \{3^7, 4^2, 6^2\})$	48960
12	$\mathcal{O}(1; \{2^5, 3, 4^4, 6^2\})$	2304
12	$\mathcal{O}(1; \{2, 3^4, 4^4, 6^2\})$	25344
12	$\mathcal{O}(1; \{2^2, 3, 4^6, 6^2\})$	9216

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Table 8 – continued from previous page

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

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Table 8 – continued from previous page

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

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Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3, 4^3, 6^2, 12^3\})$	101376
12	$\mathcal{O}(1; \{2, 3^2, 4, 6^3, 12^3\})$	99072
12	$\mathcal{O}(1; \{2^2, 4, 6^4, 12^3\})$	48384
12	$\mathcal{O}(1; \{2^7, 3, 12^4\})$	11520
12	$\mathcal{O}(1; \{2^3, 3^4, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^4, 3, 4^2, 12^4\})$	46080
12	$\mathcal{O}(1; \{3^4, 4^2, 12^4\})$	396288
12	$\mathcal{O}(1; \{2, 3, 4^4, 12^4\})$	184320
12	$\mathcal{O}(1; \{2^4, 3^2, 6, 12^4\})$	48384
12	$\mathcal{O}(1; \{3^5, 6, 12^4\})$	393984
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 6, 12^4\})$	193536
12	$\mathcal{O}(1; \{2^5, 6^2, 12^4\})$	25344
12	$\mathcal{O}(1; \{2, 3^3, 6^2, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^2, 4^2, 6^2, 12^4\})$	101376
12	$\mathcal{O}(1; \{2^2, 3, 6^3, 12^4\})$	99072
12	$\mathcal{O}(1; \{6^5, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^5, 4, 12^5\})$	46080
12	$\mathcal{O}(1; \{2, 3^3, 4, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^2, 4^3, 12^5\})$	184320
12	$\mathcal{O}(1; \{2^2, 3, 4, 6, 12^5\})$	193536
12	$\mathcal{O}(1; \{4, 6^3, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^2, 3^2, 12^6\})$	396288
12	$\mathcal{O}(1; \{2^3, 6, 12^6\})$	193536
12	$\mathcal{O}(1; \{4^2, 6, 12^6\})$	774144
12	$\mathcal{O}(1; \{3, 6^2, 12^6\})$	783360
12	$\mathcal{O}(1; \{3, 4, 12^7\})$	1585152
12	$\mathcal{O}(1; \{2, 12^8\})$	1585152
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4^2\})$	4
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4^2\})$	20
12	$\mathcal{O}(0; \{2^6, 3^8, 4^2\})$	172
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4^2\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^4\})$	16
12	$\mathcal{O}(0; \{2^7, 3^5, 4^4\})$	80
12	$\mathcal{O}(0; \{2^3, 3^8, 4^4\})$	688
12	$\mathcal{O}(0; \{2^8, 3^2, 4^6\})$	64
12	$\mathcal{O}(0; \{2^4, 3^5, 4^6\})$	320
12	$\mathcal{O}(0; \{3^8, 4^6\})$	2752
12	$\mathcal{O}(0; \{2^5, 3^2, 4^8\})$	256
12	$\mathcal{O}(0; \{2, 3^5, 4^8\})$	1280
12	$\mathcal{O}(0; \{2^2, 3^2, 4^{10}\})$	1024
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4^2, 6\})$	12
12	$\mathcal{O}(0; \{2^7, 3^6, 4^2, 6\})$	84
12	$\mathcal{O}(0; \{2^3, 3^9, 4^2, 6\})$	684

Continued on next page

Table 8 – continued from previous page

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

Continued on next page

Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^8\})$	340
12	$\mathcal{O}(0; \{4^2, 6^{10}\})$	684
12	$\mathcal{O}(0; \{2^{15}, 3, 4, 12\})$	4
12	$\mathcal{O}(0; \{2^{11}, 3^4, 4, 12\})$	20
12	$\mathcal{O}(0; \{2^7, 3^7, 4, 12\})$	172
12	$\mathcal{O}(0; \{2^3, 3^{10}, 4, 12\})$	1364
12	$\mathcal{O}(0; \{2^{12}, 3, 4^3, 12\})$	16
12	$\mathcal{O}(0; \{2^8, 3^4, 4^3, 12\})$	80
12	$\mathcal{O}(0; \{2^4, 3^7, 4^3, 12\})$	688
12	$\mathcal{O}(0; \{3^{10}, 4^3, 12\})$	5456
12	$\mathcal{O}(0; \{2^9, 3, 4^5, 12\})$	64
12	$\mathcal{O}(0; \{2^5, 3^4, 4^5, 12\})$	320
12	$\mathcal{O}(0; \{2, 3^7, 4^5, 12\})$	2752
12	$\mathcal{O}(0; \{2^6, 3, 4^7, 12\})$	256
12	$\mathcal{O}(0; \{2^2, 3^4, 4^7, 12\})$	1280
12	$\mathcal{O}(0; \{2^3, 3, 4^9, 12\})$	1024
12	$\mathcal{O}(0; \{3, 4^{11}, 12\})$	4096
12	$\mathcal{O}(0; \{2^{12}, 3^2, 4, 6, 12\})$	12
12	$\mathcal{O}(0; \{2^8, 3^5, 4, 6, 12\})$	84
12	$\mathcal{O}(0; \{2^4, 3^8, 4, 6, 12\})$	684
12	$\mathcal{O}(0; \{3^{11}, 4, 6, 12\})$	5460
12	$\mathcal{O}(0; \{2^9, 3^2, 4^3, 6, 12\})$	48
12	$\mathcal{O}(0; \{2^5, 3^5, 4^3, 6, 12\})$	336
12	$\mathcal{O}(0; \{2, 3^8, 4^3, 6, 12\})$	2736
12	$\mathcal{O}(0; \{2^6, 3^2, 4^5, 6, 12\})$	192
12	$\mathcal{O}(0; \{2^2, 3^5, 4^5, 6, 12\})$	1344
12	$\mathcal{O}(0; \{2^3, 3^2, 4^7, 6, 12\})$	768
12	$\mathcal{O}(0; \{3^2, 4^9, 6, 12\})$	3072
12	$\mathcal{O}(0; \{2^{13}, 4, 6^2, 12\})$	4
12	$\mathcal{O}(0; \{2^9, 3^3, 4, 6^2, 12\})$	44
12	$\mathcal{O}(0; \{2^5, 3^6, 4, 6^2, 12\})$	340
12	$\mathcal{O}(0; \{2, 3^9, 4, 6^2, 12\})$	2732
12	$\mathcal{O}(0; \{2^{10}, 4^3, 6^2, 12\})$	16
12	$\mathcal{O}(0; \{2^6, 3^3, 4^3, 6^2, 12\})$	176
12	$\mathcal{O}(0; \{2^2, 3^6, 4^3, 6^2, 12\})$	1360
12	$\mathcal{O}(0; \{2^7, 4^5, 6^2, 12\})$	64
12	$\mathcal{O}(0; \{2^3, 3^3, 4^5, 6^2, 12\})$	704
12	$\mathcal{O}(0; \{2^4, 4^7, 6^2, 12\})$	256
12	$\mathcal{O}(0; \{3^3, 4^7, 6^2, 12\})$	2816
12	$\mathcal{O}(0; \{2, 4^9, 6^2, 12\})$	1024
12	$\mathcal{O}(0; \{2^{10}, 3, 4, 6^3, 12\})$	20
12	$\mathcal{O}(0; \{2^6, 3^4, 4, 6^3, 12\})$	172
12	$\mathcal{O}(0; \{2^2, 3^7, 4, 6^3, 12\})$	1364

Continued on next page

Table 8 – continued from previous page

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

Continued on next page

Table 8 – continued from previous page

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

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Table 8 – continued from previous page

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

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Table 8 – continued from previous page

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

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Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^2, 4^4, 12^6\})$	44032
12	$\mathcal{O}(0; \{2^7, 6, 12^6\})$	1344
12	$\mathcal{O}(0; \{2^3, 3^3, 6, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^4, 4^2, 6, 12^6\})$	5376
12	$\mathcal{O}(0; \{3^3, 4^2, 6, 12^6\})$	43776
12	$\mathcal{O}(0; \{2, 4^4, 6, 12^6\})$	21504
12	$\mathcal{O}(0; \{2^4, 3, 6^2, 12^6\})$	5440
12	$\mathcal{O}(0; \{3^4, 6^2, 12^6\})$	43712
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^2, 12^6\})$	21760
12	$\mathcal{O}(0; \{2, 3^2, 6^3, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^2, 6^4, 12^6\})$	10944
12	$\mathcal{O}(0; \{2^4, 3, 4, 12^7\})$	11008
12	$\mathcal{O}(0; \{3^4, 4, 12^7\})$	87296
12	$\mathcal{O}(0; \{2, 3, 4^3, 12^7\})$	44032
12	$\mathcal{O}(0; \{2, 3^2, 4, 6, 12^7\})$	43776
12	$\mathcal{O}(0; \{2^2, 4, 6^2, 12^7\})$	21760
12	$\mathcal{O}(0; \{2^5, 12^8\})$	11008
12	$\mathcal{O}(0; \{2, 3^3, 12^8\})$	87296
12	$\mathcal{O}(0; \{2^2, 4^2, 12^8\})$	44032
12	$\mathcal{O}(0; \{2^2, 3, 6, 12^8\})$	43776
12	$\mathcal{O}(0; \{6^3, 12^8\})$	87296
12	$\mathcal{O}(0; \{4, 6, 12^9\})$	175104
12	$\mathcal{O}(0; \{3, 12^{10}\})$	349184
13	$\mathcal{O}(0; \{13^{10}\})$	4762874172
14	$\mathcal{O}(3; \{2^2, 7^2\})$	45177216
14	$\mathcal{O}(3; \{7, 14^2\})$	225886080
14	$\mathcal{O}(2; \{2^6, 7^2\})$	230496
14	$\mathcal{O}(2; \{2^4, 7, 14^2\})$	1152480
14	$\mathcal{O}(2; \{2^2, 14^4\})$	7145376
14	$\mathcal{O}(1; \{2^{10}, 7^2\})$	1176
14	$\mathcal{O}(1; \{2^3, 7^5, 14\})$	1306536
14	$\mathcal{O}(1; \{2^8, 7, 14^2\})$	5880
14	$\mathcal{O}(1; \{2, 7^4, 14^3\})$	7838040
14	$\mathcal{O}(1; \{2^6, 14^4\})$	36456
14	$\mathcal{O}(0; \{2^{14}, 7^2\})$	6
14	$\mathcal{O}(0; \{2^2, 7^9\})$	1439670
14	$\mathcal{O}(0; \{2^7, 7^5, 14\})$	6666
14	$\mathcal{O}(0; \{2^{12}, 7, 14^2\})$	30
14	$\mathcal{O}(0; \{7^8, 14^2\})$	8638026
14	$\mathcal{O}(0; \{2^5, 7^4, 14^3\})$	39990
14	$\mathcal{O}(0; \{2^{10}, 14^4\})$	186
14	$\mathcal{O}(0; \{2^3, 7^3, 14^5\})$	239946
14	$\mathcal{O}(0; \{2, 7^2, 14^7\})$	1439670

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Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(2; \{3^4, 5^2\})$	1215000
15	$\mathcal{O}(2; \{5^3, 15^2\})$	20655000
15	$\mathcal{O}(2; \{3, 5, 15^3\})$	15795000
15	$\mathcal{O}(1; \{3^7, 5^2\})$	37800
15	$\mathcal{O}(1; \{3^2, 5^5, 15\})$	369000
15	$\mathcal{O}(1; \{3^3, 5^3, 15^2\})$	459000
15	$\mathcal{O}(1; \{3^4, 5, 15^3\})$	491400
15	$\mathcal{O}(1; \{5^2, 15^5\})$	7371000
15	$\mathcal{O}(1; \{3, 15^6\})$	7749000
15	$\mathcal{O}(0; \{3^{10}, 5^2\})$	1368
15	$\mathcal{O}(0; \{3^4, 5^7\})$	19656
15	$\mathcal{O}(0; \{3^5, 5^5, 15\})$	18040
15	$\mathcal{O}(0; \{3^6, 5^3, 15^2\})$	17544
15	$\mathcal{O}(0; \{5^8, 15^2\})$	419432
15	$\mathcal{O}(0; \{3^7, 5, 15^3\})$	17784
15	$\mathcal{O}(0; \{3, 5^6, 15^3\})$	314568
15	$\mathcal{O}(0; \{3^2, 5^4, 15^4\})$	288376
15	$\mathcal{O}(0; \{3^3, 5^2, 15^5\})$	281736
15	$\mathcal{O}(0; \{3^4, 15^6\})$	280440
15	$\mathcal{O}(0; \{5, 15^8\})$	4508808
16	$\mathcal{O}(3; \{16^2\})$	134217728
16	$\mathcal{O}(2; \{2^4, 16^2\})$	524288
16	$\mathcal{O}(2; \{2, 4^2, 16^2\})$	2097152
16	$\mathcal{O}(1; \{2^8, 16^2\})$	2048
16	$\mathcal{O}(1; \{2^5, 4^2, 16^2\})$	8192
16	$\mathcal{O}(1; \{2^2, 4^4, 16^2\})$	32768
16	$\mathcal{O}(1; \{2^3, 4, 8^2, 16^2\})$	65536
16	$\mathcal{O}(1; \{4^3, 8^2, 16^2\})$	262144
16	$\mathcal{O}(1; \{2, 8^4, 16^2\})$	524288
16	$\mathcal{O}(1; \{2, 4, 8, 16^4\})$	1048576
16	$\mathcal{O}(0; \{2^{12}, 16^2\})$	8
16	$\mathcal{O}(0; \{2^9, 4^2, 16^2\})$	32
16	$\mathcal{O}(0; \{2^6, 4^4, 16^2\})$	128
16	$\mathcal{O}(0; \{2^3, 4^6, 16^2\})$	512
16	$\mathcal{O}(0; \{4^8, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^7, 4, 8^2, 16^2\})$	256
16	$\mathcal{O}(0; \{2^4, 4^3, 8^2, 16^2\})$	1024
16	$\mathcal{O}(0; \{2, 4^5, 8^2, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^5, 8^4, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^2, 4^2, 8^4, 16^2\})$	8192
16	$\mathcal{O}(0; \{4, 8^6, 16^2\})$	65536
16	$\mathcal{O}(0; \{2^5, 4, 8, 16^4\})$	4096
16	$\mathcal{O}(0; \{2^2, 4^3, 8, 16^4\})$	16384

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Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(0; \{2^3, 8^3, 16^4\})$	32768
16	$\mathcal{O}(0; \{4^2, 8^3, 16^4\})$	131072
16	$\mathcal{O}(0; \{2^3, 4, 16^6\})$	65536
16	$\mathcal{O}(0; \{4^3, 16^6\})$	262144
16	$\mathcal{O}(0; \{2, 8^2, 16^6\})$	524288
17	$\mathcal{O}(0; \{17^8\})$	252645136
18	$\mathcal{O}(2; \{2, 9^2, 18\})$	1889568
18	$\mathcal{O}(2; \{3^2, 18^2\})$	2519424
18	$\mathcal{O}(2; \{2, 6, 18^2\})$	1259712
18	$\mathcal{O}(1; \{2^2, 3, 9^4\})$	104976
18	$\mathcal{O}(1; \{6^2, 9^4\})$	209952
18	$\mathcal{O}(1; \{2^5, 9^2, 18\})$	5832
18	$\mathcal{O}(1; \{2, 3^3, 9^2, 18\})$	46656
18	$\mathcal{O}(1; \{2^2, 3, 6, 9^2, 18\})$	23328
18	$\mathcal{O}(1; \{6^3, 9^2, 18\})$	46656
18	$\mathcal{O}(1; \{2^4, 3^2, 18^2\})$	7776
18	$\mathcal{O}(1; \{3^5, 18^2\})$	62208
18	$\mathcal{O}(1; \{2^5, 6, 18^2\})$	3888
18	$\mathcal{O}(1; \{2, 3^3, 6, 18^2\})$	31104
18	$\mathcal{O}(1; \{2^2, 3, 6^2, 18^2\})$	15552
18	$\mathcal{O}(1; \{6^4, 18^2\})$	31104
18	$\mathcal{O}(1; \{3, 9^3, 18^2\})$	524880
18	$\mathcal{O}(1; \{2^3, 9, 18^3\})$	52488
18	$\mathcal{O}(1; \{3, 6, 9, 18^3\})$	209952
18	$\mathcal{O}(1; \{2, 18^5\})$	262440
18	$\mathcal{O}(0; \{2^6, 3, 9^4\})$	324
18	$\mathcal{O}(0; \{2^2, 3^4, 9^4\})$	2592
18	$\mathcal{O}(0; \{2^3, 3^2, 6, 9^4\})$	1296
18	$\mathcal{O}(0; \{2^4, 6^2, 9^4\})$	648
18	$\mathcal{O}(0; \{3^3, 6^2, 9^4\})$	5184
18	$\mathcal{O}(0; \{2, 3, 6^3, 9^4\})$	2592
18	$\mathcal{O}(0; \{2^2, 9^7\})$	30618
18	$\mathcal{O}(0; \{2^9, 9^2, 18\})$	18
18	$\mathcal{O}(0; \{2^5, 3^3, 9^2, 18\})$	144
18	$\mathcal{O}(0; \{2, 3^6, 9^2, 18\})$	1152
18	$\mathcal{O}(0; \{2^6, 3, 6, 9^2, 18\})$	72
18	$\mathcal{O}(0; \{2^2, 3^4, 6, 9^2, 18\})$	576
18	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 9^2, 18\})$	288
18	$\mathcal{O}(0; \{2^4, 6^3, 9^2, 18\})$	144
18	$\mathcal{O}(0; \{3^3, 6^3, 9^2, 18\})$	1152
18	$\mathcal{O}(0; \{2, 3, 6^4, 9^2, 18\})$	576
18	$\mathcal{O}(0; \{2, 3^2, 9^5, 18\})$	21384
18	$\mathcal{O}(0; \{2^2, 6, 9^5, 18\})$	10692

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Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^8, 3^2, 18^2\})$	24
18	$\mathcal{O}(0; \{2^4, 3^5, 18^2\})$	192
18	$\mathcal{O}(0; \{3^8, 18^2\})$	1536
18	$\mathcal{O}(0; \{2^9, 6, 18^2\})$	12
18	$\mathcal{O}(0; \{2^5, 3^3, 6, 18^2\})$	96
18	$\mathcal{O}(0; \{2, 3^6, 6, 18^2\})$	768
18	$\mathcal{O}(0; \{2^6, 3, 6^2, 18^2\})$	48
18	$\mathcal{O}(0; \{2^2, 3^4, 6^2, 18^2\})$	384
18	$\mathcal{O}(0; \{2^3, 3^2, 6^3, 18^2\})$	192
18	$\mathcal{O}(0; \{2^4, 6^4, 18^2\})$	96
18	$\mathcal{O}(0; \{3^3, 6^4, 18^2\})$	768
18	$\mathcal{O}(0; \{2, 3, 6^5, 18^2\})$	384
18	$\mathcal{O}(0; \{2^4, 3, 9^3, 18^2\})$	1620
18	$\mathcal{O}(0; \{3^4, 9^3, 18^2\})$	12960
18	$\mathcal{O}(0; \{2, 3^2, 6, 9^3, 18^2\})$	6480
18	$\mathcal{O}(0; \{2^2, 6^2, 9^3, 18^2\})$	3240
18	$\mathcal{O}(0; \{9^6, 18^2\})$	188082
18	$\mathcal{O}(0; \{2^7, 9, 18^3\})$	162
18	$\mathcal{O}(0; \{2^3, 3^3, 9, 18^3\})$	1296
18	$\mathcal{O}(0; \{2^4, 3, 6, 9, 18^3\})$	648
18	$\mathcal{O}(0; \{3^4, 6, 9, 18^3\})$	5184
18	$\mathcal{O}(0; \{2, 3^2, 6^2, 9, 18^3\})$	2592
18	$\mathcal{O}(0; \{2^2, 6^3, 9, 18^3\})$	1296
18	$\mathcal{O}(0; \{6, 9^4, 18^3\})$	61236
18	$\mathcal{O}(0; \{2^2, 3, 9^2, 18^4\})$	10692
18	$\mathcal{O}(0; \{6^2, 9^2, 18^4\})$	21384
18	$\mathcal{O}(0; \{2^5, 18^5\})$	810
18	$\mathcal{O}(0; \{2, 3^3, 18^5\})$	6480
18	$\mathcal{O}(0; \{2^2, 3, 6, 18^5\})$	3240
18	$\mathcal{O}(0; \{6^3, 18^5\})$	6480
18	$\mathcal{O}(0; \{3, 9, 18^6\})$	61236
20	$\mathcal{O}(2; \{5, 20^2\})$	3840000
20	$\mathcal{O}(1; \{4^2, 5^4\})$	41600
20	$\mathcal{O}(1; \{2^3, 4^2, 5, 10\})$	3200
20	$\mathcal{O}(1; \{4^4, 5, 10\})$	12800
20	$\mathcal{O}(1; \{2, 4^2, 10^3\})$	9600
20	$\mathcal{O}(1; \{2, 4, 5^2, 10, 20\})$	41600
20	$\mathcal{O}(1; \{2^4, 5, 20^2\})$	9600
20	$\mathcal{O}(1; \{2, 4^2, 5, 20^2\})$	38400
20	$\mathcal{O}(1; \{2^2, 10^2, 20^2\})$	41600
20	$\mathcal{O}(1; \{10, 20^4\})$	652800
20	$\mathcal{O}(0; \{2^4, 4^2, 5^4\})$	104
20	$\mathcal{O}(0; \{2, 4^4, 5^4\})$	416

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Order of \mathbb{Z}_ℓ	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^7, 4^2, 5, 10\})$	8
20	$\mathcal{O}(0; \{2^4, 4^4, 5, 10\})$	32
20	$\mathcal{O}(0; \{2, 4^6, 5, 10\})$	128
20	$\mathcal{O}(0; \{2^2, 4^2, 5^3, 10^2\})$	408
20	$\mathcal{O}(0; \{2^5, 4^2, 10^3\})$	24
20	$\mathcal{O}(0; \{2^2, 4^4, 10^3\})$	96
20	$\mathcal{O}(0; \{4^2, 5^2, 10^4\})$	1640
20	$\mathcal{O}(0; \{2^2, 4, 5^5, 20\})$	1640
20	$\mathcal{O}(0; \{2^5, 4, 5^2, 10, 20\})$	104
20	$\mathcal{O}(0; \{2^2, 4^3, 5^2, 10, 20\})$	416
20	$\mathcal{O}(0; \{4, 5^4, 10^2, 20\})$	6552
20	$\mathcal{O}(0; \{2^3, 4, 5, 10^3, 20\})$	408
20	$\mathcal{O}(0; \{4^3, 5, 10^3, 20\})$	1632
20	$\mathcal{O}(0; \{2, 4, 10^5, 20\})$	1640
20	$\mathcal{O}(0; \{2^8, 5, 20^2\})$	24
20	$\mathcal{O}(0; \{2^5, 4^2, 5, 20^2\})$	96
20	$\mathcal{O}(0; \{2^2, 4^4, 5, 20^2\})$	384
20	$\mathcal{O}(0; \{5^6, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^3, 5^3, 10, 20^2\})$	1640
20	$\mathcal{O}(0; \{4^2, 5^3, 10, 20^2\})$	6560
20	$\mathcal{O}(0; \{2^6, 10^2, 20^2\})$	104
20	$\mathcal{O}(0; \{2^3, 4^2, 10^2, 20^2\})$	416
20	$\mathcal{O}(0; \{4^4, 10^2, 20^2\})$	1664
20	$\mathcal{O}(0; \{2, 5^2, 10^3, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^3, 4, 5^2, 20^3\})$	1632
20	$\mathcal{O}(0; \{4^3, 5^2, 20^3\})$	6528
20	$\mathcal{O}(0; \{2, 4, 5, 10^2, 20^3\})$	6560
20	$\mathcal{O}(0; \{2, 5^3, 20^4\})$	26208
20	$\mathcal{O}(0; \{2^4, 10, 20^4\})$	1632
20	$\mathcal{O}(0; \{2, 4^2, 10, 20^4\})$	6528
20	$\mathcal{O}(0; \{2^2, 20^6\})$	26240
21	$\mathcal{O}(2; \{3, 7, 21\})$	2333772
21	$\mathcal{O}(1; \{3^4, 7, 21\})$	26460
21	$\mathcal{O}(1; \{7^3, 21^2\})$	979020
21	$\mathcal{O}(1; \{3, 21^4\})$	820260
21	$\mathcal{O}(0; \{3^2, 7^6\})$	13332
21	$\mathcal{O}(0; \{3^7, 7, 21\})$	516
21	$\mathcal{O}(0; \{3^3, 7^3, 21^2\})$	11100
21	$\mathcal{O}(0; \{3^4, 21^4\})$	15996
21	$\mathcal{O}(0; \{7^2, 21^5\})$	399900
22	$\mathcal{O}(1; \{2^3, 11^2, 22\})$	43560
22	$\mathcal{O}(1; \{2, 11, 22^3\})$	440440
22	$\mathcal{O}(0; \{2^7, 11^2, 22\})$	90

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
22	$\mathcal{O}(0; \{2^5, 11, 22^3\})$	910
22	$\mathcal{O}(0; \{2^3, 22^5\})$	9090
24	$\mathcal{O}(2; \{24^2\})$	2654208
24	$\mathcal{O}(1; \{3^2, 6, 8^2\})$	4608
24	$\mathcal{O}(1; \{2, 6^2, 8^2\})$	4608
24	$\mathcal{O}(1; \{3^2, 4, 8, 24\})$	9216
24	$\mathcal{O}(1; \{2, 4, 6, 8, 24\})$	9216
24	$\mathcal{O}(1; \{2, 3, 8, 12, 24\})$	9216
24	$\mathcal{O}(1; \{2^4, 24^2\})$	4608
24	$\mathcal{O}(1; \{3^3, 24^2\})$	23040
24	$\mathcal{O}(1; \{2, 4^2, 24^2\})$	18432
24	$\mathcal{O}(1; \{2, 3, 6, 24^2\})$	13824
24	$\mathcal{O}(0; \{2^3, 3^4, 8^2\})$	24
24	$\mathcal{O}(0; \{3^4, 4^2, 8^2\})$	96
24	$\mathcal{O}(0; \{2^4, 3^2, 6, 8^2\})$	8
24	$\mathcal{O}(0; \{3^5, 6, 8^2\})$	88
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6, 8^2\})$	32
24	$\mathcal{O}(0; \{2^5, 6^2, 8^2\})$	8
24	$\mathcal{O}(0; \{2, 3^3, 6^2, 8^2\})$	40
24	$\mathcal{O}(0; \{2^2, 4^2, 6^2, 8^2\})$	32
24	$\mathcal{O}(0; \{2^2, 3, 6^3, 8^2\})$	24
24	$\mathcal{O}(0; \{6^5, 8^2\})$	40
24	$\mathcal{O}(0; \{4, 6^2, 8^4\})$	256
24	$\mathcal{O}(0; \{2, 3^3, 4, 8^2, 12\})$	96
24	$\mathcal{O}(0; \{2^2, 3, 4, 6, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{4, 6^3, 8^2, 12\})$	96
24	$\mathcal{O}(0; \{3, 6, 8^4, 12\})$	256
24	$\mathcal{O}(0; \{2^2, 3^2, 8^2, 12^2\})$	96
24	$\mathcal{O}(0; \{2^3, 6, 8^2, 12^2\})$	32
24	$\mathcal{O}(0; \{4^2, 6, 8^2, 12^2\})$	128
24	$\mathcal{O}(0; \{3, 6^2, 8^2, 12^2\})$	160
24	$\mathcal{O}(0; \{3, 4, 8^2, 12^3\})$	384
24	$\mathcal{O}(0; \{2, 8^2, 12^4\})$	384
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 8, 24\})$	16
24	$\mathcal{O}(0; \{3^5, 4, 8, 24\})$	176
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 8, 24\})$	64
24	$\mathcal{O}(0; \{2^5, 4, 6, 8, 24\})$	16
24	$\mathcal{O}(0; \{2, 3^3, 4, 6, 8, 24\})$	80
24	$\mathcal{O}(0; \{2^2, 4^3, 6, 8, 24\})$	64
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 8, 24\})$	48
24	$\mathcal{O}(0; \{4, 6^4, 8, 24\})$	80
24	$\mathcal{O}(0; \{2^2, 3^2, 8^3, 24\})$	128
24	$\mathcal{O}(0; \{2^3, 6, 8^3, 24\})$	128

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{4^2, 6, 8^3, 24\})$	512
24	$\mathcal{O}(0; \{3, 6^2, 8^3, 24\})$	384
24	$\mathcal{O}(0; \{2^5, 3, 8, 12, 24\})$	16
24	$\mathcal{O}(0; \{2, 3^4, 8, 12, 24\})$	176
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 8, 12, 24\})$	64
24	$\mathcal{O}(0; \{2^2, 3^2, 6, 8, 12, 24\})$	80
24	$\mathcal{O}(0; \{2^3, 6^2, 8, 12, 24\})$	48
24	$\mathcal{O}(0; \{4^2, 6^2, 8, 12, 24\})$	192
24	$\mathcal{O}(0; \{3, 6^3, 8, 12, 24\})$	176
24	$\mathcal{O}(0; \{3, 4, 8^3, 12, 24\})$	512
24	$\mathcal{O}(0; \{2^3, 4, 8, 12^2, 24\})$	64
24	$\mathcal{O}(0; \{4^3, 8, 12^2, 24\})$	256
24	$\mathcal{O}(0; \{3, 4, 6, 8, 12^2, 24\})$	320
24	$\mathcal{O}(0; \{2, 8^3, 12^2, 24\})$	512
24	$\mathcal{O}(0; \{3^2, 8, 12^3, 24\})$	704
24	$\mathcal{O}(0; \{2, 6, 8, 12^3, 24\})$	320
24	$\mathcal{O}(0; \{2^8, 24^2\})$	8
24	$\mathcal{O}(0; \{2^4, 3^3, 24^2\})$	40
24	$\mathcal{O}(0; \{3^6, 24^2\})$	344
24	$\mathcal{O}(0; \{2^5, 4^2, 24^2\})$	32
24	$\mathcal{O}(0; \{2, 3^3, 4^2, 24^2\})$	160
24	$\mathcal{O}(0; \{2^2, 4^4, 24^2\})$	128
24	$\mathcal{O}(0; \{2^5, 3, 6, 24^2\})$	24
24	$\mathcal{O}(0; \{2, 3^4, 6, 24^2\})$	168
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 24^2\})$	96
24	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 24^2\})$	88
24	$\mathcal{O}(0; \{2^3, 6^3, 24^2\})$	40
24	$\mathcal{O}(0; \{4^2, 6^3, 24^2\})$	160
24	$\mathcal{O}(0; \{3, 6^4, 24^2\})$	168
24	$\mathcal{O}(0; \{2^3, 4, 8^2, 24^2\})$	256
24	$\mathcal{O}(0; \{4^3, 8^2, 24^2\})$	1024
24	$\mathcal{O}(0; \{3, 4, 6, 8^2, 24^2\})$	768
24	$\mathcal{O}(0; \{2, 8^4, 24^2\})$	2048
24	$\mathcal{O}(0; \{2^2, 3^2, 4, 12, 24^2\})$	160
24	$\mathcal{O}(0; \{2^3, 4, 6, 12, 24^2\})$	96
24	$\mathcal{O}(0; \{4^3, 6, 12, 24^2\})$	384
24	$\mathcal{O}(0; \{3, 4, 6^2, 12, 24^2\})$	352
24	$\mathcal{O}(0; \{3^2, 8^2, 12, 24^2\})$	1280
24	$\mathcal{O}(0; \{2, 6, 8^2, 12, 24^2\})$	768
24	$\mathcal{O}(0; \{2^3, 3, 12^2, 24^2\})$	160
24	$\mathcal{O}(0; \{3, 4^2, 12^2, 24^2\})$	640
24	$\mathcal{O}(0; \{3^2, 6, 12^2, 24^2\})$	672
24	$\mathcal{O}(0; \{2, 6^2, 12^2, 24^2\})$	352

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Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 4, 12^3, 24^2\})$	640
24	$\mathcal{O}(0; \{2^3, 3, 8, 24^3\})$	384
24	$\mathcal{O}(0; \{3, 4^2, 8, 24^3\})$	1536
24	$\mathcal{O}(0; \{3^2, 6, 8, 24^3\})$	1408
24	$\mathcal{O}(0; \{2, 6^2, 8, 24^3\})$	640
24	$\mathcal{O}(0; \{2, 4, 8, 12, 24^3\})$	1536
24	$\mathcal{O}(0; \{3^2, 4, 24^4\})$	2816
24	$\mathcal{O}(0; \{2, 4, 6, 24^4\})$	1280
24	$\mathcal{O}(0; \{2, 3, 12, 24^4\})$	2816
25	$\mathcal{O}(0; \{25^6\})$	2562500
26	$\mathcal{O}(0; \{2^2, 13^5\})$	19140
26	$\mathcal{O}(0; \{13^4, 26^2\})$	229692
27	$\mathcal{O}(1; \{3, 9, 27^2\})$	157464
27	$\mathcal{O}(0; \{3^4, 9, 27^2\})$	1728
27	$\mathcal{O}(0; \{9^4, 27^2\})$	23328
27	$\mathcal{O}(0; \{3, 27^5\})$	131220
28	$\mathcal{O}(1; \{4^2, 14^2\})$	9408
28	$\mathcal{O}(1; \{2, 14, 28^2\})$	47040
28	$\mathcal{O}(0; \{2^4, 4^2, 14^2\})$	12
28	$\mathcal{O}(0; \{2, 4^4, 14^2\})$	48
28	$\mathcal{O}(0; \{2^2, 4, 7^2, 14, 28\})$	372
28	$\mathcal{O}(0; \{4, 7, 14^3, 28\})$	2220
28	$\mathcal{O}(0; \{7^4, 28^2\})$	13332
28	$\mathcal{O}(0; \{2^5, 14, 28^2\})$	60
28	$\mathcal{O}(0; \{2^2, 4^2, 14, 28^2\})$	240
28	$\mathcal{O}(0; \{4, 7^2, 28^3\})$	8880
28	$\mathcal{O}(0; \{2^3, 28^4\})$	1488
28	$\mathcal{O}(0; \{4^2, 28^4\})$	5952
30	$\mathcal{O}(1; \{3^2, 10^2\})$	7200
30	$\mathcal{O}(0; \{2, 3^2, 5^3, 10\})$	104
30	$\mathcal{O}(0; \{2^4, 3^2, 10^2\})$	8
30	$\mathcal{O}(0; \{3^5, 10^2\})$	40
30	$\mathcal{O}(0; \{2, 3^3, 6, 10^2\})$	24
30	$\mathcal{O}(0; \{2^2, 3, 6^2, 10^2\})$	8
30	$\mathcal{O}(0; \{6^4, 10^2\})$	24
30	$\mathcal{O}(0; \{2, 3^3, 5, 10, 15\})$	72
30	$\mathcal{O}(0; \{2^2, 3, 5, 6, 10, 15\})$	24
30	$\mathcal{O}(0; \{5, 6^3, 10, 15\})$	72
30	$\mathcal{O}(0; \{3, 6, 10^3, 15\})$	104
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 15^2\})$	104
30	$\mathcal{O}(0; \{5^2, 6^2, 15^2\})$	312
30	$\mathcal{O}(0; \{3, 5, 10^2, 15^2\})$	408
30	$\mathcal{O}(0; \{2^2, 3^2, 15^3\})$	120

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Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2^3, 6, 15^3\})$	72
30	$\mathcal{O}(0; \{3, 6^2, 15^3\})$	264
30	$\mathcal{O}(0; \{2, 10, 15^4\})$	1224
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 10, 30\})$	104
30	$\mathcal{O}(0; \{5^2, 6^2, 10, 30\})$	104
30	$\mathcal{O}(0; \{3, 5, 10^3, 30\})$	408
30	$\mathcal{O}(0; \{5^3, 6, 15, 30\})$	408
30	$\mathcal{O}(0; \{2^2, 3^2, 10, 15, 30\})$	72
30	$\mathcal{O}(0; \{2^3, 6, 10, 15, 30\})$	24
30	$\mathcal{O}(0; \{3, 6^2, 10, 15, 30\})$	120
30	$\mathcal{O}(0; \{2^3, 5, 15^2, 30\})$	104
30	$\mathcal{O}(0; \{3, 5, 6, 15^2, 30\})$	520
30	$\mathcal{O}(0; \{2, 10^2, 15^2, 30\})$	408
30	$\mathcal{O}(0; \{5^4, 30^2\})$	1640
30	$\mathcal{O}(0; \{2^3, 5, 10, 30^2\})$	104
30	$\mathcal{O}(0; \{3, 5, 6, 10, 30^2\})$	312
30	$\mathcal{O}(0; \{2, 10^3, 30^2\})$	408
30	$\mathcal{O}(0; \{3, 5^2, 15, 30^2\})$	1224
30	$\mathcal{O}(0; \{3^2, 15^2, 30^2\})$	1144
30	$\mathcal{O}(0; \{2, 6, 15^2, 30^2\})$	520
30	$\mathcal{O}(0; \{3^2, 10, 30^3\})$	520
30	$\mathcal{O}(0; \{2, 6, 10, 30^3\})$	312
30	$\mathcal{O}(0; \{2, 5, 15, 30^3\})$	1224
32	$\mathcal{O}(1; \{2^2, 32^2\})$	16384
32	$\mathcal{O}(0; \{2^6, 32^2\})$	16
32	$\mathcal{O}(0; \{2^3, 4^2, 32^2\})$	64
32	$\mathcal{O}(0; \{4^4, 32^2\})$	256
32	$\mathcal{O}(0; \{2, 4, 8^2, 32^2\})$	512
33	$\mathcal{O}(1; \{11, 33^2\})$	196020
33	$\mathcal{O}(0; \{3^3, 11, 33^2\})$	900
33	$\mathcal{O}(0; \{33^5\})$	90900
34	$\mathcal{O}(0; \{2^2, 17^4\})$	3856
34	$\mathcal{O}(0; \{17^3, 34^2\})$	61680
35	$\mathcal{O}(0; \{5, 35^4\})$	37944
36	$\mathcal{O}(1; \{4, 9, 36\})$	15552
36	$\mathcal{O}(1; \{3, 36^2\})$	31104
36	$\mathcal{O}(0; \{3^2, 4^2, 9^2\})$	48
36	$\mathcal{O}(0; \{2, 4^2, 6, 9^2\})$	24
36	$\mathcal{O}(0; \{2, 3, 4, 9^2, 12\})$	48
36	$\mathcal{O}(0; \{2^2, 9^2, 12^2\})$	48
36	$\mathcal{O}(0; \{9, 12^2, 18^2\})$	144
36	$\mathcal{O}(0; \{2^4, 4, 9, 36\})$	12
36	$\mathcal{O}(0; \{3^3, 4, 9, 36\})$	96

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Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\overline{\text{Epi}}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
36	$\mathcal{O}(0; \{2, 4^3, 9, 36\})$	48
36	$\mathcal{O}(0; \{2, 3, 4, 6, 9, 36\})$	48
36	$\mathcal{O}(0; \{2, 3^2, 9, 12, 36\})$	96
36	$\mathcal{O}(0; \{2^2, 6, 9, 12, 36\})$	48
36	$\mathcal{O}(0; \{9, 12^3, 36\})$	384
36	$\mathcal{O}(0; \{9^2, 12, 18, 36\})$	648
36	$\mathcal{O}(0; \{2^2, 4, 18^2, 36\})$	36
36	$\mathcal{O}(0; \{6, 12, 18^2, 36\})$	144
36	$\mathcal{O}(0; \{2^4, 3, 36^2\})$	24
36	$\mathcal{O}(0; \{3^4, 36^2\})$	192
36	$\mathcal{O}(0; \{2, 3, 4^2, 36^2\})$	96
36	$\mathcal{O}(0; \{2, 3^2, 6, 36^2\})$	96
36	$\mathcal{O}(0; \{2^2, 6^2, 36^2\})$	48
36	$\mathcal{O}(0; \{9^3, 36^2\})$	1620
36	$\mathcal{O}(0; \{2^2, 4, 12, 36^2\})$	96
36	$\mathcal{O}(0; \{6, 12^2, 36^2\})$	384
36	$\mathcal{O}(0; \{6, 9, 18, 36^2\})$	648
36	$\mathcal{O}(0; \{4, 18, 36^3\})$	1296
39	$\mathcal{O}(0; \{3, 13^3, 39\})$	3192
40	$\mathcal{O}(0; \{2^2, 5^2, 8^2\})$	16
40	$\mathcal{O}(0; \{5, 8^2, 10^2\})$	48
40	$\mathcal{O}(0; \{4, 8^2, 10, 20\})$	64
40	$\mathcal{O}(0; \{5^2, 8, 10, 40\})$	208
40	$\mathcal{O}(0; \{4, 5, 8, 20, 40\})$	192
40	$\mathcal{O}(0; \{5^3, 40^2\})$	816
40	$\mathcal{O}(0; \{2^3, 10, 40^2\})$	48
40	$\mathcal{O}(0; \{4^2, 10, 40^2\})$	192
40	$\mathcal{O}(0; \{2, 20^2, 40^2\})$	832
42	$\mathcal{O}(0; \{6^2, 7^3\})$	60
42	$\mathcal{O}(0; \{3, 6, 7, 14, 21\})$	60
42	$\mathcal{O}(0; \{2^2, 3^2, 21^2\})$	36
42	$\mathcal{O}(0; \{2^3, 6, 21^2\})$	12
42	$\mathcal{O}(0; \{3, 6^2, 21^2\})$	60
42	$\mathcal{O}(0; \{2^2, 3^2, 14, 42\})$	12
42	$\mathcal{O}(0; \{2^3, 6, 14, 42\})$	12
42	$\mathcal{O}(0; \{3, 6^2, 14, 42\})$	36
42	$\mathcal{O}(0; \{2, 7, 21^2, 42\})$	372
42	$\mathcal{O}(0; \{2, 7, 14, 42^2\})$	372
42	$\mathcal{O}(0; \{3^2, 21, 42^2\})$	300
42	$\mathcal{O}(0; \{2, 6, 21, 42^2\})$	180
44	$\mathcal{O}(0; \{2^3, 4, 11, 44\})$	20
44	$\mathcal{O}(0; \{4^3, 11, 44\})$	80
44	$\mathcal{O}(0; \{2, 4, 22^2, 44\})$	180

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Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
45	$\mathcal{O}(0; \{3^2, 5, 45^2\})$	288
47	$\mathcal{O}(2; \emptyset)$	4879680
48	$\mathcal{O}(1; \{48^2\})$	36864
48	$\mathcal{O}(0; \{3^2, 4, 16^2\})$	32
48	$\mathcal{O}(0; \{2, 3, 12, 16^2\})$	32
48	$\mathcal{O}(0; \{2, 3, 8, 16, 48\})$	64
48	$\mathcal{O}(0; \{2^4, 48^2\})$	16
48	$\mathcal{O}(0; \{3^3, 48^2\})$	80
48	$\mathcal{O}(0; \{2, 4^2, 48^2\})$	64
48	$\mathcal{O}(0; \{2, 3, 6, 48^2\})$	48
49	$\mathcal{O}(0; \{49^4\})$	63798
50	$\mathcal{O}(0; \{2^2, 25^3\})$	300
50	$\mathcal{O}(0; \{25^2, 50^2\})$	6500
51	$\mathcal{O}(0; \{17^2, 51^2\})$	7712
52	$\mathcal{O}(0; \{13^2, 52^2\})$	3192
54	$\mathcal{O}(0; \{6, 27^2, 54\})$	324
54	$\mathcal{O}(0; \{9^2, 54^2\})$	648
54	$\mathcal{O}(0; \{6, 18, 54^2\})$	216
56	$\mathcal{O}(0; \{8^2, 28^2\})$	96
56	$\mathcal{O}(0; \{7, 8, 28, 56\})$	240
56	$\mathcal{O}(0; \{7^2, 56^2\})$	744
56	$\mathcal{O}(0; \{4, 28, 56^2\})$	480
60	$\mathcal{O}(0; \{5, 12^2, 15\})$	16
60	$\mathcal{O}(0; \{4, 15^2, 20\})$	48
60	$\mathcal{O}(0; \{6^2, 20^2\})$	16
60	$\mathcal{O}(0; \{4, 12, 15, 30\})$	16
60	$\mathcal{O}(0; \{4, 10, 15, 60\})$	48
60	$\mathcal{O}(0; \{5, 6, 20, 60\})$	48
60	$\mathcal{O}(0; \{3, 20, 30, 60\})$	48
60	$\mathcal{O}(0; \{5^2, 60^2\})$	208
60	$\mathcal{O}(0; \{3, 15, 60^2\})$	144
63	$\mathcal{O}(0; \{7^2, 9^2\})$	36
63	$\mathcal{O}(0; \{3, 9, 21, 63\})$	144
63	$\mathcal{O}(0; \{3, 7, 63^2\})$	360
64	$\mathcal{O}(0; \{2^3, 64^2\})$	32
64	$\mathcal{O}(0; \{4^2, 64^2\})$	128
65	$\mathcal{O}(0; \{5^2, 13^2\})$	48
66	$\mathcal{O}(0; \{3, 6, 22, 33\})$	20
66	$\mathcal{O}(0; \{2, 33^2, 66\})$	180
66	$\mathcal{O}(0; \{2, 22, 66^2\})$	180
68	$\mathcal{O}(0; \{4^2, 17^2\})$	32
70	$\mathcal{O}(0; \{2, 10, 35^2\})$	72
72	$\mathcal{O}(0; \{2, 8, 18, 72\})$	24

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
72	$\mathcal{O}(0; \{3^2, 72^2\})$	96
72	$\mathcal{O}(0; \{2, 6, 72^2\})$	48
75	$\mathcal{O}(0; \{3^2, 25^2\})$	40
84	$\mathcal{O}(0; \{2, 3, 28, 84\})$	24
94	$\mathcal{O}(1; \{2^2\})$	8832
96	$\mathcal{O}(0; \{2^2, 96^2\})$	32
97	$\mathcal{O}(0; \{97^3\})$	9120
98	$\mathcal{O}(0; \{2^2, 49^2\})$	42
98	$\mathcal{O}(0; \{49, 98^2\})$	1470
99	$\mathcal{O}(0; \{33, 99^2\})$	1080
100	$\mathcal{O}(0; \{25, 100^2\})$	600
102	$\mathcal{O}(0; \{17, 102^2\})$	480
104	$\mathcal{O}(0; \{13, 104^2\})$	528
105	$\mathcal{O}(0; \{15, 35, 105\})$	144
108	$\mathcal{O}(0; \{12, 27, 108\})$	72
108	$\mathcal{O}(0; \{9, 108^2\})$	216
112	$\mathcal{O}(0; \{7, 112^2\})$	240
117	$\mathcal{O}(0; \{9, 13, 117\})$	72
119	$\mathcal{O}(0; \{7, 17, 119\})$	96
120	$\mathcal{O}(0; \{5, 120^2\})$	96
128	$\mathcal{O}(0; \{4, 128^2\})$	128
132	$\mathcal{O}(0; \{4, 33, 132\})$	40
144	$\mathcal{O}(0; \{3, 144^2\})$	96
147	$\mathcal{O}(0; \{3, 49, 147\})$	84
192	$\mathcal{O}(0; \{2, 192^2\})$	64
194	$\mathcal{O}(0; \{2, 97, 194\})$	96

Table 9: 49-admissible orbifolds.

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(49; \emptyset)$	1
2	$\mathcal{O}(25; \emptyset)$	1125899906842623
2	$\mathcal{O}(24; \{2^4\})$	281474976710656
2	$\mathcal{O}(23; \{2^8\})$	70368744177664
2	$\mathcal{O}(22; \{2^{12}\})$	17592186044416
2	$\mathcal{O}(21; \{2^{16}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{20}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{24}\})$	274877906944
2	$\mathcal{O}(18; \{2^{28}\})$	68719476736
2	$\mathcal{O}(17; \{2^{32}\})$	17179869184

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(16; \{2^{36}\})$	4294967296
2	$\mathcal{O}(15; \{2^{40}\})$	1073741824
2	$\mathcal{O}(14; \{2^{44}\})$	268435456
2	$\mathcal{O}(13; \{2^{48}\})$	67108864
2	$\mathcal{O}(12; \{2^{52}\})$	16777216
2	$\mathcal{O}(11; \{2^{56}\})$	4194304
2	$\mathcal{O}(10; \{2^{60}\})$	1048576
2	$\mathcal{O}(9; \{2^{64}\})$	262144
2	$\mathcal{O}(8; \{2^{68}\})$	65536
2	$\mathcal{O}(7; \{2^{72}\})$	16384
2	$\mathcal{O}(6; \{2^{76}\})$	4096
2	$\mathcal{O}(5; \{2^{80}\})$	1024
2	$\mathcal{O}(4; \{2^{84}\})$	256
2	$\mathcal{O}(3; \{2^{88}\})$	64
2	$\mathcal{O}(2; \{2^{92}\})$	16
2	$\mathcal{O}(1; \{2^{96}\})$	4
2	$\mathcal{O}(0; \{2^{100}\})$	1
3	$\mathcal{O}(17; \emptyset)$	16677181699666568
3	$\mathcal{O}(16; \{3^3\})$	3706040377703682
3	$\mathcal{O}(15; \{3^6\})$	4529604906082278
3	$\mathcal{O}(14; \{3^9\})$	3889054717343370
3	$\mathcal{O}(13; \{3^{12}\})$	3472188721497414
3	$\mathcal{O}(12; \{3^{15}\})$	3084695397445482
3	$\mathcal{O}(11; \{3^{18}\})$	2742139750753638
3	$\mathcal{O}(10; \{3^{21}\})$	2437436635519050
3	$\mathcal{O}(9; \{3^{24}\})$	2166612667206534
3	$\mathcal{O}(8; \{3^{27}\})$	1925877668125482
3	$\mathcal{O}(7; \{3^{30}\})$	1711891289253798
3	$\mathcal{O}(6; \{3^{33}\})$	1521681142814730
3	$\mathcal{O}(5; \{3^{36}\})$	1352605460634054
3	$\mathcal{O}(4; \{3^{39}\})$	1202315964968682
3	$\mathcal{O}(3; \{3^{42}\})$	1068725302198758
3	$\mathcal{O}(2; \{3^{45}\})$	949978046398410
3	$\mathcal{O}(1; \{3^{48}\})$	844424930131974
3	$\mathcal{O}(0; \{3^{51}\})$	750599937895082
4	$\mathcal{O}(13; \emptyset)$	4503599560261632
4	$\mathcal{O}(12; \{2^4\})$	281474959933440
4	$\mathcal{O}(12; \{2, 4^2\})$	562949953421312
4	$\mathcal{O}(11; \{2^8\})$	17592181850112
4	$\mathcal{O}(11; \{2^5, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{2^2, 4^4\})$	140737488355328
4	$\mathcal{O}(10; \{2^{12}\})$	1099510579200
4	$\mathcal{O}(10; \{2^9, 4^2\})$	2199023255552

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Table 9 – continued from previous page

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

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(5; \{2^8, 4^{16}\})$	34359738368
4	$\mathcal{O}(5; \{2^5, 4^{18}\})$	137438953472
4	$\mathcal{O}(5; \{2^2, 4^{20}\})$	549755813888
4	$\mathcal{O}(4; \{2^{36}\})$	65280
4	$\mathcal{O}(4; \{2^{33}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{30}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^{27}, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^{24}, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^{21}, 4^{10}\})$	33554432
4	$\mathcal{O}(4; \{2^{18}, 4^{12}\})$	134217728
4	$\mathcal{O}(4; \{2^{15}, 4^{14}\})$	536870912
4	$\mathcal{O}(4; \{2^{12}, 4^{16}\})$	2147483648
4	$\mathcal{O}(4; \{2^9, 4^{18}\})$	8589934592
4	$\mathcal{O}(4; \{2^6, 4^{20}\})$	34359738368
4	$\mathcal{O}(4; \{2^3, 4^{22}\})$	137438953472
4	$\mathcal{O}(4; \{4^{24}\})$	549755813888
4	$\mathcal{O}(3; \{2^{40}\})$	4032
4	$\mathcal{O}(3; \{2^{37}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{34}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{31}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{28}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{25}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{22}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{19}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{16}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^{13}, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^{10}, 4^{20}\})$	2147483648
4	$\mathcal{O}(3; \{2^7, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{2^4, 4^{24}\})$	34359738368
4	$\mathcal{O}(3; \{2, 4^{26}\})$	137438953472
4	$\mathcal{O}(2; \{2^{44}\})$	240
4	$\mathcal{O}(2; \{2^{41}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{38}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{35}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{32}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{29}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{26}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{23}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{20}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{17}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{14}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^{11}, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^8, 4^{24}\})$	2147483648

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(2; \{2^5, 4^{26}\})$	8589934592
4	$\mathcal{O}(2; \{2^2, 4^{28}\})$	34359738368
4	$\mathcal{O}(1; \{2^{48}\})$	12
4	$\mathcal{O}(1; \{2^{45}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{42}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{39}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{36}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{33}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{30}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{27}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{24}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{21}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{18}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{15}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^{12}, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^9, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^6, 4^{28}\})$	2147483648
4	$\mathcal{O}(1; \{2^3, 4^{30}\})$	8589934592
4	$\mathcal{O}(1; \{4^{32}\})$	34359738368
4	$\mathcal{O}(0; \{2^{49}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{46}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{43}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{40}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{37}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{34}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{31}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{28}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{25}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{22}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{19}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{16}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{13}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^{10}, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2^7, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2^4, 4^{32}\})$	2147483648
4	$\mathcal{O}(0; \{2, 4^{34}\})$	8589934592
5	$\mathcal{O}(9; \{5^4\})$	198364257812500
5	$\mathcal{O}(7; \{5^9\})$	319995117187500
5	$\mathcal{O}(5; \{5^{14}\})$	524288007812500
5	$\mathcal{O}(3; \{5^{19}\})$	858993459187500
5	$\mathcal{O}(1; \{5^{24}\})$	1407374883553300
6	$\mathcal{O}(9; \emptyset)$	101559568985784
6	$\mathcal{O}(8; \{2^4\})$	2821109841920

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(8; \{3^3\})$	5642133721470
6	$\mathcal{O}(8; \{2, 3, 6\})$	5642219814912
6	$\mathcal{O}(7; \{2^8\})$	78364147712
6	$\mathcal{O}(7; \{2^4, 3^3\})$	156728328192
6	$\mathcal{O}(7; \{3^6\})$	1723906384794
6	$\mathcal{O}(7; \{2^5, 3, 6\})$	156728328192
6	$\mathcal{O}(7; \{2, 3^4, 6\})$	783641640960
6	$\mathcal{O}(7; \{2^2, 3^2, 6^2\})$	470184984576
6	$\mathcal{O}(7; \{2^3, 6^3\})$	156728328192
6	$\mathcal{O}(7; \{3, 6^4\})$	783641640960
6	$\mathcal{O}(6; \{2^{12}\})$	2176778240
6	$\mathcal{O}(6; \{2^8, 3^3\})$	4353564672
6	$\mathcal{O}(6; \{2^4, 3^6\})$	47889211392
6	$\mathcal{O}(6; \{3^9\})$	369962652150
6	$\mathcal{O}(6; \{2^9, 3, 6\})$	4353564672
6	$\mathcal{O}(6; \{2^5, 3^4, 6\})$	21767823360
6	$\mathcal{O}(6; \{2, 3^7, 6\})$	187203280896
6	$\mathcal{O}(6; \{2^6, 3^2, 6^2\})$	13060694016
6	$\mathcal{O}(6; \{2^2, 3^5, 6^2\})$	91424858112
6	$\mathcal{O}(6; \{2^7, 6^3\})$	4353564672
6	$\mathcal{O}(6; \{2^3, 3^3, 6^3\})$	47889211392
6	$\mathcal{O}(6; \{2^4, 3, 6^4\})$	21767823360
6	$\mathcal{O}(6; \{3^4, 6^4\})$	187203280896
6	$\mathcal{O}(6; \{2, 3^2, 6^5\})$	91424858112
6	$\mathcal{O}(6; \{2^2, 6^6\})$	47889211392
6	$\mathcal{O}(5; \{2^{16}\})$	60465152
6	$\mathcal{O}(5; \{2^{12}, 3^3\})$	120932352
6	$\mathcal{O}(5; \{2^8, 3^6\})$	1330255872
6	$\mathcal{O}(5; \{2^4, 3^9\})$	10279249920
6	$\mathcal{O}(5; \{3^{12}\})$	82516135482
6	$\mathcal{O}(5; \{2^{13}, 3, 6\})$	120932352
6	$\mathcal{O}(5; \{2^9, 3^4, 6\})$	604661760
6	$\mathcal{O}(5; \{2^5, 3^7, 6\})$	5200091136
6	$\mathcal{O}(5; \{2, 3^{10}, 6\})$	41237932032
6	$\mathcal{O}(5; \{2^{10}, 3^2, 6^2\})$	362797056
6	$\mathcal{O}(5; \{2^6, 3^5, 6^2\})$	2539579392
6	$\mathcal{O}(5; \{2^2, 3^8, 6^2\})$	20679432192
6	$\mathcal{O}(5; \{2^{11}, 6^3\})$	120932352
6	$\mathcal{O}(5; \{2^7, 3^3, 6^3\})$	1330255872
6	$\mathcal{O}(5; \{2^3, 3^6, 6^3\})$	10279249920
6	$\mathcal{O}(5; \{2^8, 3, 6^4\})$	604661760
6	$\mathcal{O}(5; \{2^4, 3^4, 6^4\})$	5200091136
6	$\mathcal{O}(5; \{3^7, 6^4\})$	41237932032

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(5; \{2^5, 3^2, 6^5\})$	2539579392
6	$\mathcal{O}(5; \{2, 3^5, 6^5\})$	20679432192
6	$\mathcal{O}(5; \{2^6, 6^6\})$	1330255872
6	$\mathcal{O}(5; \{2^2, 3^3, 6^6\})$	10279249920
6	$\mathcal{O}(5; \{2^3, 3, 6^7\})$	5200091136
6	$\mathcal{O}(5; \{3^2, 6^8\})$	20679432192
6	$\mathcal{O}(5; \{2, 6^9\})$	10279249920
6	$\mathcal{O}(4; \{2^{20}\})$	1679360
6	$\mathcal{O}(4; \{2^{16}, 3^3\})$	3359232
6	$\mathcal{O}(4; \{2^{12}, 3^6\})$	36951552
6	$\mathcal{O}(4; \{2^8, 3^9\})$	285534720
6	$\mathcal{O}(4; \{2^4, 3^{12}\})$	2294355456
6	$\mathcal{O}(4; \{3^{15}\})$	18273106710
6	$\mathcal{O}(4; \{2^{17}, 3, 6\})$	3359232
6	$\mathcal{O}(4; \{2^{13}, 3^4, 6\})$	16796160
6	$\mathcal{O}(4; \{2^9, 3^7, 6\})$	144446976
6	$\mathcal{O}(4; \{2^5, 3^{10}, 6\})$	1145498112
6	$\mathcal{O}(4; \{2, 3^{13}, 6\})$	9174062592
6	$\mathcal{O}(4; \{2^{14}, 3^2, 6^2\})$	10077696
6	$\mathcal{O}(4; \{2^{10}, 3^5, 6^2\})$	70543872
6	$\mathcal{O}(4; \{2^6, 3^8, 6^2\})$	574428672
6	$\mathcal{O}(4; \{2^2, 3^{11}, 6^2\})$	4585351680
6	$\mathcal{O}(4; \{2^{15}, 6^3\})$	3359232
6	$\mathcal{O}(4; \{2^{11}, 3^3, 6^3\})$	36951552
6	$\mathcal{O}(4; \{2^7, 3^6, 6^3\})$	285534720
6	$\mathcal{O}(4; \{2^3, 3^9, 6^3\})$	2294355456
6	$\mathcal{O}(4; \{2^{12}, 3, 6^4\})$	16796160
6	$\mathcal{O}(4; \{2^8, 3^4, 6^4\})$	144446976
6	$\mathcal{O}(4; \{2^4, 3^7, 6^4\})$	1145498112
6	$\mathcal{O}(4; \{3^{10}, 6^4\})$	9174062592
6	$\mathcal{O}(4; \{2^9, 3^2, 6^5\})$	70543872
6	$\mathcal{O}(4; \{2^5, 3^5, 6^5\})$	574428672
6	$\mathcal{O}(4; \{2, 3^8, 6^5\})$	4585351680
6	$\mathcal{O}(4; \{2^{10}, 6^6\})$	36951552
6	$\mathcal{O}(4; \{2^6, 3^3, 6^6\})$	285534720
6	$\mathcal{O}(4; \{2^2, 3^6, 6^6\})$	2294355456
6	$\mathcal{O}(4; \{2^7, 3, 6^7\})$	144446976
6	$\mathcal{O}(4; \{2^3, 3^4, 6^7\})$	1145498112
6	$\mathcal{O}(4; \{2^4, 3^2, 6^8\})$	574428672
6	$\mathcal{O}(4; \{3^5, 6^8\})$	4585351680
6	$\mathcal{O}(4; \{2^5, 6^9\})$	285534720
6	$\mathcal{O}(4; \{2, 3^3, 6^9\})$	2294355456
6	$\mathcal{O}(4; \{2^2, 3, 6^{10}\})$	1145498112

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{6^{12}\})$	2294355456
6	$\mathcal{O}(3; \{2^{24}\})$	46592
6	$\mathcal{O}(3; \{2^{20}, 3^3\})$	93312
6	$\mathcal{O}(3; \{2^{16}, 3^6\})$	1026432
6	$\mathcal{O}(3; \{2^{12}, 3^9\})$	7931520
6	$\mathcal{O}(3; \{2^8, 3^{12}\})$	63732096
6	$\mathcal{O}(3; \{2^4, 3^{15}\})$	509576832
6	$\mathcal{O}(3; \{3^{18}\})$	4013193114
6	$\mathcal{O}(3; \{2^{21}, 3, 6\})$	93312
6	$\mathcal{O}(3; \{2^{17}, 3^4, 6\})$	466560
6	$\mathcal{O}(3; \{2^{13}, 3^7, 6\})$	4012416
6	$\mathcal{O}(3; \{2^9, 3^{10}, 6\})$	31819392
6	$\mathcal{O}(3; \{2^5, 3^{13}, 6\})$	254835072
6	$\mathcal{O}(3; \{2, 3^{16}, 6\})$	2038400640
6	$\mathcal{O}(3; \{2^{18}, 3^2, 6^2\})$	279936
6	$\mathcal{O}(3; \{2^{14}, 3^5, 6^2\})$	1959552
6	$\mathcal{O}(3; \{2^{10}, 3^8, 6^2\})$	15956352
6	$\mathcal{O}(3; \{2^6, 3^{11}, 6^2\})$	127370880
6	$\mathcal{O}(3; \{2^2, 3^{14}, 6^2\})$	1019246976
6	$\mathcal{O}(3; \{2^{19}, 6^3\})$	93312
6	$\mathcal{O}(3; \{2^{15}, 3^3, 6^3\})$	1026432
6	$\mathcal{O}(3; \{2^{11}, 3^6, 6^3\})$	7931520
6	$\mathcal{O}(3; \{2^7, 3^9, 6^3\})$	63732096
6	$\mathcal{O}(3; \{2^3, 3^{12}, 6^3\})$	509576832
6	$\mathcal{O}(3; \{2^{16}, 3, 6^4\})$	466560
6	$\mathcal{O}(3; \{2^{12}, 3^4, 6^4\})$	4012416
6	$\mathcal{O}(3; \{2^8, 3^7, 6^4\})$	31819392
6	$\mathcal{O}(3; \{2^4, 3^{10}, 6^4\})$	254835072
6	$\mathcal{O}(3; \{3^{13}, 6^4\})$	2038400640
6	$\mathcal{O}(3; \{2^{13}, 3^2, 6^5\})$	1959552
6	$\mathcal{O}(3; \{2^9, 3^5, 6^5\})$	15956352
6	$\mathcal{O}(3; \{2^5, 3^8, 6^5\})$	127370880
6	$\mathcal{O}(3; \{2, 3^{11}, 6^5\})$	1019246976
6	$\mathcal{O}(3; \{2^{14}, 6^6\})$	1026432
6	$\mathcal{O}(3; \{2^{10}, 3^3, 6^6\})$	7931520
6	$\mathcal{O}(3; \{2^6, 3^6, 6^6\})$	63732096
6	$\mathcal{O}(3; \{2^2, 3^9, 6^6\})$	509576832
6	$\mathcal{O}(3; \{2^{11}, 3, 6^7\})$	4012416
6	$\mathcal{O}(3; \{2^7, 3^4, 6^7\})$	31819392
6	$\mathcal{O}(3; \{2^3, 3^7, 6^7\})$	254835072
6	$\mathcal{O}(3; \{2^8, 3^2, 6^8\})$	15956352
6	$\mathcal{O}(3; \{2^4, 3^5, 6^8\})$	127370880
6	$\mathcal{O}(3; \{3^8, 6^8\})$	1019246976

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^9, 6^9\})$	7931520
6	$\mathcal{O}(3; \{2^5, 3^3, 6^9\})$	63732096
6	$\mathcal{O}(3; \{2, 3^6, 6^9\})$	509576832
6	$\mathcal{O}(3; \{2^6, 3, 6^{10}\})$	31819392
6	$\mathcal{O}(3; \{2^2, 3^4, 6^{10}\})$	254835072
6	$\mathcal{O}(3; \{2^3, 3^2, 6^{11}\})$	127370880
6	$\mathcal{O}(3; \{2^4, 6^{12}\})$	63732096
6	$\mathcal{O}(3; \{3^3, 6^{12}\})$	509576832
6	$\mathcal{O}(3; \{2, 3, 6^{13}\})$	254835072
6	$\mathcal{O}(2; \{2^{28}\})$	1280
6	$\mathcal{O}(2; \{2^{24}, 3^3\})$	2592
6	$\mathcal{O}(2; \{2^{20}, 3^6\})$	28512
6	$\mathcal{O}(2; \{2^{16}, 3^9\})$	220320
6	$\mathcal{O}(2; \{2^{12}, 3^{12}\})$	1770336
6	$\mathcal{O}(2; \{2^8, 3^{15}\})$	14154912
6	$\mathcal{O}(2; \{2^4, 3^{18}\})$	113247072
6	$\mathcal{O}(2; \{3^{21}\})$	849345750
6	$\mathcal{O}(2; \{2^{25}, 3, 6\})$	2592
6	$\mathcal{O}(2; \{2^{21}, 3^4, 6\})$	12960
6	$\mathcal{O}(2; \{2^{17}, 3^7, 6\})$	111456
6	$\mathcal{O}(2; \{2^{13}, 3^{10}, 6\})$	883872
6	$\mathcal{O}(2; \{2^9, 3^{13}, 6\})$	7078752
6	$\mathcal{O}(2; \{2^5, 3^{16}, 6\})$	56622240
6	$\mathcal{O}(2; \{2, 3^{19}, 6\})$	452985696
6	$\mathcal{O}(2; \{2^{22}, 3^2, 6^2\})$	7776
6	$\mathcal{O}(2; \{2^{18}, 3^5, 6^2\})$	54432
6	$\mathcal{O}(2; \{2^{14}, 3^8, 6^2\})$	443232
6	$\mathcal{O}(2; \{2^{10}, 3^{11}, 6^2\})$	3538080
6	$\mathcal{O}(2; \{2^6, 3^{14}, 6^2\})$	28312416
6	$\mathcal{O}(2; \{2^2, 3^{17}, 6^2\})$	226491552
6	$\mathcal{O}(2; \{2^{23}, 6^3\})$	2592
6	$\mathcal{O}(2; \{2^{19}, 3^3, 6^3\})$	28512
6	$\mathcal{O}(2; \{2^{15}, 3^6, 6^3\})$	220320
6	$\mathcal{O}(2; \{2^{11}, 3^9, 6^3\})$	1770336
6	$\mathcal{O}(2; \{2^7, 3^{12}, 6^3\})$	14154912
6	$\mathcal{O}(2; \{2^3, 3^{15}, 6^3\})$	113247072
6	$\mathcal{O}(2; \{2^{20}, 3, 6^4\})$	12960
6	$\mathcal{O}(2; \{2^{16}, 3^4, 6^4\})$	111456
6	$\mathcal{O}(2; \{2^{12}, 3^7, 6^4\})$	883872
6	$\mathcal{O}(2; \{2^8, 3^{10}, 6^4\})$	7078752
6	$\mathcal{O}(2; \{2^4, 3^{13}, 6^4\})$	56622240
6	$\mathcal{O}(2; \{3^{16}, 6^4\})$	452985696
6	$\mathcal{O}(2; \{2^{17}, 3^2, 6^5\})$	54432

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^{13}, 3^5, 6^5\})$	443232
6	$\mathcal{O}(2; \{2^9, 3^8, 6^5\})$	3538080
6	$\mathcal{O}(2; \{2^5, 3^{11}, 6^5\})$	28312416
6	$\mathcal{O}(2; \{2, 3^{14}, 6^5\})$	226491552
6	$\mathcal{O}(2; \{2^{18}, 6^6\})$	28512
6	$\mathcal{O}(2; \{2^{14}, 3^3, 6^6\})$	220320
6	$\mathcal{O}(2; \{2^{10}, 3^6, 6^6\})$	1770336
6	$\mathcal{O}(2; \{2^6, 3^9, 6^6\})$	14154912
6	$\mathcal{O}(2; \{2^2, 3^{12}, 6^6\})$	113247072
6	$\mathcal{O}(2; \{2^{15}, 3, 6^7\})$	111456
6	$\mathcal{O}(2; \{2^{11}, 3^4, 6^7\})$	883872
6	$\mathcal{O}(2; \{2^7, 3^7, 6^7\})$	7078752
6	$\mathcal{O}(2; \{2^3, 3^{10}, 6^7\})$	56622240
6	$\mathcal{O}(2; \{2^{12}, 3^2, 6^8\})$	443232
6	$\mathcal{O}(2; \{2^8, 3^5, 6^8\})$	3538080
6	$\mathcal{O}(2; \{2^4, 3^8, 6^8\})$	28312416
6	$\mathcal{O}(2; \{3^{11}, 6^8\})$	226491552
6	$\mathcal{O}(2; \{2^{13}, 6^9\})$	220320
6	$\mathcal{O}(2; \{2^9, 3^3, 6^9\})$	1770336
6	$\mathcal{O}(2; \{2^5, 3^6, 6^9\})$	14154912
6	$\mathcal{O}(2; \{2, 3^9, 6^9\})$	113247072
6	$\mathcal{O}(2; \{2^{10}, 3, 6^{10}\})$	883872
6	$\mathcal{O}(2; \{2^6, 3^4, 6^{10}\})$	7078752
6	$\mathcal{O}(2; \{2^2, 3^7, 6^{10}\})$	56622240
6	$\mathcal{O}(2; \{2^7, 3^2, 6^{11}\})$	3538080
6	$\mathcal{O}(2; \{2^3, 3^5, 6^{11}\})$	28312416
6	$\mathcal{O}(2; \{2^8, 6^{12}\})$	1770336
6	$\mathcal{O}(2; \{2^4, 3^3, 6^{12}\})$	14154912
6	$\mathcal{O}(2; \{3^6, 6^{12}\})$	113247072
6	$\mathcal{O}(2; \{2^5, 3, 6^{13}\})$	7078752
6	$\mathcal{O}(2; \{2, 3^4, 6^{13}\})$	56622240
6	$\mathcal{O}(2; \{2^2, 3^2, 6^{14}\})$	28312416
6	$\mathcal{O}(2; \{2^3, 6^{15}\})$	14154912
6	$\mathcal{O}(2; \{3, 6^{16}\})$	56622240
6	$\mathcal{O}(1; \{2^{32}\})$	32
6	$\mathcal{O}(1; \{2^{28}, 3^3\})$	72
6	$\mathcal{O}(1; \{2^{24}, 3^6\})$	792
6	$\mathcal{O}(1; \{2^{20}, 3^9\})$	6120
6	$\mathcal{O}(1; \{2^{16}, 3^{12}\})$	49176
6	$\mathcal{O}(1; \{2^{12}, 3^{15}\})$	393192
6	$\mathcal{O}(1; \{2^8, 3^{18}\})$	3145752
6	$\mathcal{O}(1; \{2^4, 3^{21}\})$	25165800
6	$\mathcal{O}(1; \{3^{24}\})$	150994962

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Table 9 – continued from previous page

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

Continued on next page

Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{11}, 3^7, 6^7\})$	196632
6	$\mathcal{O}(1; \{2^7, 3^{10}, 6^7\})$	1572840
6	$\mathcal{O}(1; \{2^3, 3^{13}, 6^7\})$	12582936
6	$\mathcal{O}(1; \{2^{16}, 3^2, 6^8\})$	12312
6	$\mathcal{O}(1; \{2^{12}, 3^5, 6^8\})$	98280
6	$\mathcal{O}(1; \{2^8, 3^8, 6^8\})$	786456
6	$\mathcal{O}(1; \{2^4, 3^{11}, 6^8\})$	6291432
6	$\mathcal{O}(1; \{3^{14}, 6^8\})$	50331672
6	$\mathcal{O}(1; \{2^{17}, 6^9\})$	6120
6	$\mathcal{O}(1; \{2^{13}, 3^3, 6^9\})$	49176
6	$\mathcal{O}(1; \{2^9, 3^6, 6^9\})$	393192
6	$\mathcal{O}(1; \{2^5, 3^9, 6^9\})$	3145752
6	$\mathcal{O}(1; \{2, 3^{12}, 6^9\})$	25165800
6	$\mathcal{O}(1; \{2^{14}, 3, 6^{10}\})$	24552
6	$\mathcal{O}(1; \{2^{10}, 3^4, 6^{10}\})$	196632
6	$\mathcal{O}(1; \{2^6, 3^7, 6^{10}\})$	1572840
6	$\mathcal{O}(1; \{2^2, 3^{10}, 6^{10}\})$	12582936
6	$\mathcal{O}(1; \{2^{11}, 3^2, 6^{11}\})$	98280
6	$\mathcal{O}(1; \{2^7, 3^5, 6^{11}\})$	786456
6	$\mathcal{O}(1; \{2^3, 3^8, 6^{11}\})$	6291432
6	$\mathcal{O}(1; \{2^{12}, 6^{12}\})$	49176
6	$\mathcal{O}(1; \{2^8, 3^3, 6^{12}\})$	393192
6	$\mathcal{O}(1; \{2^4, 3^6, 6^{12}\})$	3145752
6	$\mathcal{O}(1; \{3^9, 6^{12}\})$	25165800
6	$\mathcal{O}(1; \{2^9, 3, 6^{13}\})$	196632
6	$\mathcal{O}(1; \{2^5, 3^4, 6^{13}\})$	1572840
6	$\mathcal{O}(1; \{2, 3^7, 6^{13}\})$	12582936
6	$\mathcal{O}(1; \{2^6, 3^2, 6^{14}\})$	786456
6	$\mathcal{O}(1; \{2^2, 3^5, 6^{14}\})$	6291432
6	$\mathcal{O}(1; \{2^7, 6^{15}\})$	393192
6	$\mathcal{O}(1; \{2^3, 3^3, 6^{15}\})$	3145752
6	$\mathcal{O}(1; \{2^4, 3, 6^{16}\})$	1572840
6	$\mathcal{O}(1; \{3^4, 6^{16}\})$	12582936
6	$\mathcal{O}(1; \{2, 3^2, 6^{17}\})$	6291432
6	$\mathcal{O}(1; \{2^2, 6^{18}\})$	3145752
6	$\mathcal{O}(0; \{2^{32}, 3^3\})$	2
6	$\mathcal{O}(0; \{2^{28}, 3^6\})$	22
6	$\mathcal{O}(0; \{2^{24}, 3^9\})$	170
6	$\mathcal{O}(0; \{2^{20}, 3^{12}\})$	1366
6	$\mathcal{O}(0; \{2^{16}, 3^{15}\})$	10922
6	$\mathcal{O}(0; \{2^{12}, 3^{18}\})$	87382
6	$\mathcal{O}(0; \{2^8, 3^{21}\})$	699050
6	$\mathcal{O}(0; \{2^4, 3^{24}\})$	5592406

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Table 9 – continued from previous page

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

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Table 9 – continued from previous page

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

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{11}, 6^{15}\})$	10922
6	$\mathcal{O}(0; \{2^7, 3^3, 6^{15}\})$	87382
6	$\mathcal{O}(0; \{2^3, 3^6, 6^{15}\})$	699050
6	$\mathcal{O}(0; \{2^8, 3, 6^{16}\})$	43690
6	$\mathcal{O}(0; \{2^4, 3^4, 6^{16}\})$	349526
6	$\mathcal{O}(0; \{3^7, 6^{16}\})$	2796202
6	$\mathcal{O}(0; \{2^5, 3^2, 6^{17}\})$	174762
6	$\mathcal{O}(0; \{2, 3^5, 6^{17}\})$	1398102
6	$\mathcal{O}(0; \{2^6, 6^{18}\})$	87382
6	$\mathcal{O}(0; \{2^2, 3^3, 6^{18}\})$	699050
6	$\mathcal{O}(0; \{2^3, 3, 6^{19}\})$	349526
6	$\mathcal{O}(0; \{3^2, 6^{20}\})$	1398102
6	$\mathcal{O}(0; \{2, 6^{21}\})$	699050
7	$\mathcal{O}(7; \{7^2\})$	4069338437094
7	$\mathcal{O}(4; \{7^9\})$	8299411055670
7	$\mathcal{O}(1; \{7^{16}\})$	19747769352234
8	$\mathcal{O}(7; \emptyset)$	4397778075648
8	$\mathcal{O}(6; \{2^4\})$	68702699520
8	$\mathcal{O}(6; \{2, 4^2\})$	137405399040
8	$\mathcal{O}(5; \{2^8\})$	1072693248
8	$\mathcal{O}(5; \{2^5, 4^2\})$	2145386496
8	$\mathcal{O}(5; \{2^2, 4^4\})$	8581545984
8	$\mathcal{O}(5; \{2^3, 4, 8^2\})$	8589934592
8	$\mathcal{O}(5; \{4^3, 8^2\})$	34359738368
8	$\mathcal{O}(5; \{2, 8^4\})$	68719476736
8	$\mathcal{O}(4; \{2^{12}\})$	16711680
8	$\mathcal{O}(4; \{2^9, 4^2\})$	33423360
8	$\mathcal{O}(4; \{2^6, 4^4\})$	133693440
8	$\mathcal{O}(4; \{2^3, 4^6\})$	534773760
8	$\mathcal{O}(4; \{4^8\})$	2139095040
8	$\mathcal{O}(4; \{2^7, 4, 8^2\})$	134217728
8	$\mathcal{O}(4; \{2^4, 4^3, 8^2\})$	536870912
8	$\mathcal{O}(4; \{2, 4^5, 8^2\})$	2147483648
8	$\mathcal{O}(4; \{2^5, 8^4\})$	1073741824
8	$\mathcal{O}(4; \{2^2, 4^2, 8^4\})$	4294967296
8	$\mathcal{O}(4; \{4, 8^6\})$	34359738368
8	$\mathcal{O}(3; \{2^{16}\})$	258048
8	$\mathcal{O}(3; \{2^{13}, 4^2\})$	516096
8	$\mathcal{O}(3; \{2^{10}, 4^4\})$	2064384
8	$\mathcal{O}(3; \{2^7, 4^6\})$	8257536
8	$\mathcal{O}(3; \{2^4, 4^8\})$	33030144
8	$\mathcal{O}(3; \{2, 4^{10}\})$	132120576
8	$\mathcal{O}(3; \{2^{11}, 4, 8^2\})$	2097152

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{2^8, 4^3, 8^2\})$	8388608
8	$\mathcal{O}(3; \{2^5, 4^5, 8^2\})$	33554432
8	$\mathcal{O}(3; \{2^2, 4^7, 8^2\})$	134217728
8	$\mathcal{O}(3; \{2^9, 8^4\})$	16777216
8	$\mathcal{O}(3; \{2^6, 4^2, 8^4\})$	67108864
8	$\mathcal{O}(3; \{2^3, 4^4, 8^4\})$	268435456
8	$\mathcal{O}(3; \{4^6, 8^4\})$	1073741824
8	$\mathcal{O}(3; \{2^4, 4, 8^6\})$	536870912
8	$\mathcal{O}(3; \{2, 4^3, 8^6\})$	2147483648
8	$\mathcal{O}(3; \{2^2, 8^8\})$	4294967296
8	$\mathcal{O}(2; \{2^{20}\})$	3840
8	$\mathcal{O}(2; \{2^{17}, 4^2\})$	7680
8	$\mathcal{O}(2; \{2^{14}, 4^4\})$	30720
8	$\mathcal{O}(2; \{2^{11}, 4^6\})$	122880
8	$\mathcal{O}(2; \{2^8, 4^8\})$	491520
8	$\mathcal{O}(2; \{2^5, 4^{10}\})$	1966080
8	$\mathcal{O}(2; \{2^2, 4^{12}\})$	7864320
8	$\mathcal{O}(2; \{2^{15}, 4, 8^2\})$	32768
8	$\mathcal{O}(2; \{2^{12}, 4^3, 8^2\})$	131072
8	$\mathcal{O}(2; \{2^9, 4^5, 8^2\})$	524288
8	$\mathcal{O}(2; \{2^6, 4^7, 8^2\})$	2097152
8	$\mathcal{O}(2; \{2^3, 4^9, 8^2\})$	8388608
8	$\mathcal{O}(2; \{4^{11}, 8^2\})$	33554432
8	$\mathcal{O}(2; \{2^{13}, 8^4\})$	262144
8	$\mathcal{O}(2; \{2^{10}, 4^2, 8^4\})$	1048576
8	$\mathcal{O}(2; \{2^7, 4^4, 8^4\})$	4194304
8	$\mathcal{O}(2; \{2^4, 4^6, 8^4\})$	16777216
8	$\mathcal{O}(2; \{2, 4^8, 8^4\})$	67108864
8	$\mathcal{O}(2; \{2^8, 4, 8^6\})$	8388608
8	$\mathcal{O}(2; \{2^5, 4^3, 8^6\})$	33554432
8	$\mathcal{O}(2; \{2^2, 4^5, 8^6\})$	134217728
8	$\mathcal{O}(2; \{2^6, 8^8\})$	67108864
8	$\mathcal{O}(2; \{2^3, 4^2, 8^8\})$	268435456
8	$\mathcal{O}(2; \{4^4, 8^8\})$	1073741824
8	$\mathcal{O}(2; \{2, 4, 8^{10}\})$	2147483648
8	$\mathcal{O}(1; \{2^{24}\})$	48
8	$\mathcal{O}(1; \{2^{21}, 4^2\})$	96
8	$\mathcal{O}(1; \{2^{18}, 4^4\})$	384
8	$\mathcal{O}(1; \{2^{15}, 4^6\})$	1536
8	$\mathcal{O}(1; \{2^{12}, 4^8\})$	6144
8	$\mathcal{O}(1; \{2^9, 4^{10}\})$	24576
8	$\mathcal{O}(1; \{2^6, 4^{12}\})$	98304
8	$\mathcal{O}(1; \{2^3, 4^{14}\})$	393216

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(1; \{4^{16}\})$	1572864
8	$\mathcal{O}(1; \{2^{19}, 4, 8^2\})$	512
8	$\mathcal{O}(1; \{2^{16}, 4^3, 8^2\})$	2048
8	$\mathcal{O}(1; \{2^{13}, 4^5, 8^2\})$	8192
8	$\mathcal{O}(1; \{2^{10}, 4^7, 8^2\})$	32768
8	$\mathcal{O}(1; \{2^7, 4^9, 8^2\})$	131072
8	$\mathcal{O}(1; \{2^4, 4^{11}, 8^2\})$	524288
8	$\mathcal{O}(1; \{2, 4^{13}, 8^2\})$	2097152
8	$\mathcal{O}(1; \{2^{17}, 8^4\})$	4096
8	$\mathcal{O}(1; \{2^{14}, 4^2, 8^4\})$	16384
8	$\mathcal{O}(1; \{2^{11}, 4^4, 8^4\})$	65536
8	$\mathcal{O}(1; \{2^8, 4^6, 8^4\})$	262144
8	$\mathcal{O}(1; \{2^5, 4^8, 8^4\})$	1048576
8	$\mathcal{O}(1; \{2^2, 4^{10}, 8^4\})$	4194304
8	$\mathcal{O}(1; \{2^{12}, 4, 8^6\})$	131072
8	$\mathcal{O}(1; \{2^9, 4^3, 8^6\})$	524288
8	$\mathcal{O}(1; \{2^6, 4^5, 8^6\})$	2097152
8	$\mathcal{O}(1; \{2^3, 4^7, 8^6\})$	8388608
8	$\mathcal{O}(1; \{4^9, 8^6\})$	33554432
8	$\mathcal{O}(1; \{2^{10}, 8^8\})$	1048576
8	$\mathcal{O}(1; \{2^7, 4^2, 8^8\})$	4194304
8	$\mathcal{O}(1; \{2^4, 4^4, 8^8\})$	16777216
8	$\mathcal{O}(1; \{2, 4^6, 8^8\})$	67108864
8	$\mathcal{O}(1; \{2^5, 4, 8^{10}\})$	33554432
8	$\mathcal{O}(1; \{2^2, 4^3, 8^{10}\})$	134217728
8	$\mathcal{O}(1; \{2^3, 8^{12}\})$	268435456
8	$\mathcal{O}(1; \{4^2, 8^{12}\})$	1073741824
8	$\mathcal{O}(0; \{2^{23}, 4, 8^2\})$	8
8	$\mathcal{O}(0; \{2^{20}, 4^3, 8^2\})$	32
8	$\mathcal{O}(0; \{2^{17}, 4^5, 8^2\})$	128
8	$\mathcal{O}(0; \{2^{14}, 4^7, 8^2\})$	512
8	$\mathcal{O}(0; \{2^{11}, 4^9, 8^2\})$	2048
8	$\mathcal{O}(0; \{2^8, 4^{11}, 8^2\})$	8192
8	$\mathcal{O}(0; \{2^5, 4^{13}, 8^2\})$	32768
8	$\mathcal{O}(0; \{2^2, 4^{15}, 8^2\})$	131072
8	$\mathcal{O}(0; \{2^{21}, 8^4\})$	64
8	$\mathcal{O}(0; \{2^{18}, 4^2, 8^4\})$	256
8	$\mathcal{O}(0; \{2^{15}, 4^4, 8^4\})$	1024
8	$\mathcal{O}(0; \{2^{12}, 4^6, 8^4\})$	4096
8	$\mathcal{O}(0; \{2^9, 4^8, 8^4\})$	16384
8	$\mathcal{O}(0; \{2^6, 4^{10}, 8^4\})$	65536
8	$\mathcal{O}(0; \{2^3, 4^{12}, 8^4\})$	262144
8	$\mathcal{O}(0; \{4^{14}, 8^4\})$	1048576

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^{16}, 4, 8^6\})$	2048
8	$\mathcal{O}(0; \{2^{13}, 4^3, 8^6\})$	8192
8	$\mathcal{O}(0; \{2^{10}, 4^5, 8^6\})$	32768
8	$\mathcal{O}(0; \{2^7, 4^7, 8^6\})$	131072
8	$\mathcal{O}(0; \{2^4, 4^9, 8^6\})$	524288
8	$\mathcal{O}(0; \{2, 4^{11}, 8^6\})$	2097152
8	$\mathcal{O}(0; \{2^{14}, 8^8\})$	16384
8	$\mathcal{O}(0; \{2^{11}, 4^2, 8^8\})$	65536
8	$\mathcal{O}(0; \{2^8, 4^4, 8^8\})$	262144
8	$\mathcal{O}(0; \{2^5, 4^6, 8^8\})$	1048576
8	$\mathcal{O}(0; \{2^2, 4^8, 8^8\})$	4194304
8	$\mathcal{O}(0; \{2^9, 4, 8^{10}\})$	524288
8	$\mathcal{O}(0; \{2^6, 4^3, 8^{10}\})$	2097152
8	$\mathcal{O}(0; \{2^3, 4^5, 8^{10}\})$	8388608
8	$\mathcal{O}(0; \{4^7, 8^{10}\})$	33554432
8	$\mathcal{O}(0; \{2^7, 8^{12}\})$	4194304
8	$\mathcal{O}(0; \{2^4, 4^2, 8^{12}\})$	16777216
8	$\mathcal{O}(0; \{2, 4^4, 8^{12}\})$	67108864
8	$\mathcal{O}(0; \{2^2, 4, 8^{14}\})$	134217728
8	$\mathcal{O}(0; \{8^{16}\})$	1073741824
9	$\mathcal{O}(5; \{3^4\})$	20920352112
9	$\mathcal{O}(5; \{9^3\})$	62762119218
9	$\mathcal{O}(4; \{3^7\})$	1807686720
9	$\mathcal{O}(4; \{3^3, 9^3\})$	6198727824
9	$\mathcal{O}(3; \{3^{10}\})$	181503504
9	$\mathcal{O}(3; \{3^6, 9^3\})$	612220032
9	$\mathcal{O}(3; \{3^2, 9^6\})$	11364334344
9	$\mathcal{O}(2; \{3^{13}\})$	17690400
9	$\mathcal{O}(2; \{3^9, 9^3\})$	60466176
9	$\mathcal{O}(2; \{3^5, 9^6\})$	1122403392
9	$\mathcal{O}(2; \{3, 9^9\})$	14635885140
9	$\mathcal{O}(1; \{3^{16}\})$	1572912
9	$\mathcal{O}(1; \{3^{12}, 9^3\})$	5971968
9	$\mathcal{O}(1; \{3^8, 9^6\})$	110854656
9	$\mathcal{O}(1; \{3^4, 9^9\})$	1445519520
9	$\mathcal{O}(1; \{9^{12}\})$	19600606962
9	$\mathcal{O}(0; \{3^{15}, 9^3\})$	589824
9	$\mathcal{O}(0; \{3^{11}, 9^6\})$	10948608
9	$\mathcal{O}(0; \{3^7, 9^9\})$	142767360
9	$\mathcal{O}(0; \{3^3, 9^{12}\})$	1935862416
10	$\mathcal{O}(5; \{5^2\})$	39960937500
10	$\mathcal{O}(4; \{2^4, 5^2\})$	400000000
10	$\mathcal{O}(4; \{2^2, 5, 10^2\})$	1200000000

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(4; \{10^4\})$	5200000000
10	$\mathcal{O}(3; \{2^8, 5^2\})$	4000000
10	$\mathcal{O}(3; \{5^7\})$	3224812500
10	$\mathcal{O}(3; \{2^3, 5^4, 10\})$	204000000
10	$\mathcal{O}(3; \{2^6, 5, 10^2\})$	12000000
10	$\mathcal{O}(3; \{2, 5^3, 10^3\})$	820000000
10	$\mathcal{O}(3; \{2^4, 10^4\})$	52000000
10	$\mathcal{O}(2; \{2^{12}, 5^2\})$	40000
10	$\mathcal{O}(2; \{2^4, 5^7\})$	32760000
10	$\mathcal{O}(2; \{2^7, 5^4, 10\})$	2040000
10	$\mathcal{O}(2; \{2^{10}, 5, 10^2\})$	120000
10	$\mathcal{O}(2; \{2^2, 5^6, 10^2\})$	131080000
10	$\mathcal{O}(2; \{2^5, 5^3, 10^3\})$	8200000
10	$\mathcal{O}(2; \{2^8, 10^4\})$	520000
10	$\mathcal{O}(2; \{5^5, 10^4\})$	524280000
10	$\mathcal{O}(2; \{2^3, 5^2, 10^5\})$	32760000
10	$\mathcal{O}(2; \{2, 5, 10^7\})$	131080000
10	$\mathcal{O}(1; \{2^{16}, 5^2\})$	400
10	$\mathcal{O}(1; \{2^8, 5^7\})$	327600
10	$\mathcal{O}(1; \{5^{12}\})$	251658300
10	$\mathcal{O}(1; \{2^{11}, 5^4, 10\})$	20400
10	$\mathcal{O}(1; \{2^3, 5^9, 10\})$	20971600
10	$\mathcal{O}(1; \{2^{14}, 5, 10^2\})$	1200
10	$\mathcal{O}(1; \{2^6, 5^6, 10^2\})$	1310800
10	$\mathcal{O}(1; \{2^9, 5^3, 10^3\})$	82000
10	$\mathcal{O}(1; \{2, 5^8, 10^3\})$	83886000
10	$\mathcal{O}(1; \{2^{12}, 10^4\})$	5200
10	$\mathcal{O}(1; \{2^4, 5^5, 10^4\})$	5242800
10	$\mathcal{O}(1; \{2^7, 5^2, 10^5\})$	327600
10	$\mathcal{O}(1; \{2^2, 5^4, 10^6\})$	20971600
10	$\mathcal{O}(1; \{2^5, 5, 10^7\})$	1310800
10	$\mathcal{O}(1; \{5^3, 10^8\})$	83886000
10	$\mathcal{O}(1; \{2^3, 10^9\})$	5242800
10	$\mathcal{O}(0; \{2^{20}, 5^2\})$	4
10	$\mathcal{O}(0; \{2^{12}, 5^7\})$	3276
10	$\mathcal{O}(0; \{2^4, 5^{12}\})$	3355444
10	$\mathcal{O}(0; \{2^{15}, 5^4, 10\})$	204
10	$\mathcal{O}(0; \{2^7, 5^9, 10\})$	209716
10	$\mathcal{O}(0; \{2^{18}, 5, 10^2\})$	12
10	$\mathcal{O}(0; \{2^{10}, 5^6, 10^2\})$	13108
10	$\mathcal{O}(0; \{2^2, 5^{11}, 10^2\})$	13421772
10	$\mathcal{O}(0; \{2^{13}, 5^3, 10^3\})$	820
10	$\mathcal{O}(0; \{2^5, 5^8, 10^3\})$	838860

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2^{16}, 10^4\})$	52
10	$\mathcal{O}(0; \{2^8, 5^5, 10^4\})$	52428
10	$\mathcal{O}(0; \{5^{10}, 10^4\})$	53687092
10	$\mathcal{O}(0; \{2^{11}, 5^2, 10^5\})$	3276
10	$\mathcal{O}(0; \{2^3, 5^7, 10^5\})$	3355444
10	$\mathcal{O}(0; \{2^6, 5^4, 10^6\})$	209716
10	$\mathcal{O}(0; \{2^9, 5, 10^7\})$	13108
10	$\mathcal{O}(0; \{2, 5^6, 10^7\})$	13421772
10	$\mathcal{O}(0; \{2^4, 5^3, 10^8\})$	838860
10	$\mathcal{O}(0; \{2^7, 10^9\})$	52428
10	$\mathcal{O}(0; \{2^2, 5^2, 10^{10}\})$	3355444
10	$\mathcal{O}(0; \{5, 10^{12}\})$	13421772
11	$\mathcal{O}(4; \{11^3\})$	19292299290
12	$\mathcal{O}(5; \emptyset)$	61855850496
12	$\mathcal{O}(4; \{2^4\})$	428236800
12	$\mathcal{O}(4; \{3^3\})$	856604160
12	$\mathcal{O}(4; \{2, 4^2\})$	859832320
12	$\mathcal{O}(4; \{2, 3, 6\})$	856604160
12	$\mathcal{O}(3; \{2^8\})$	2935296
12	$\mathcal{O}(3; \{2^4, 3^3\})$	5878656
12	$\mathcal{O}(3; \{3^6\})$	64665216
12	$\mathcal{O}(3; \{2^5, 4^2\})$	5963776
12	$\mathcal{O}(3; \{2, 3^3, 4^2\})$	11943936
12	$\mathcal{O}(3; \{2^2, 4^4\})$	23855104
12	$\mathcal{O}(3; \{2^5, 3, 6\})$	5878656
12	$\mathcal{O}(3; \{2, 3^4, 6\})$	29393280
12	$\mathcal{O}(3; \{2^2, 3, 4^2, 6\})$	11943936
12	$\mathcal{O}(3; \{2^2, 3^2, 6^2\})$	17635968
12	$\mathcal{O}(3; \{2^3, 6^3\})$	5878656
12	$\mathcal{O}(3; \{4^2, 6^3\})$	11943936
12	$\mathcal{O}(3; \{3, 6^4\})$	29393280
12	$\mathcal{O}(3; \{2^2, 3^2, 4, 12\})$	11943936
12	$\mathcal{O}(3; \{2^3, 4, 6, 12\})$	11943936
12	$\mathcal{O}(3; \{4^3, 6, 12\})$	47775744
12	$\mathcal{O}(3; \{3, 4, 6^2, 12\})$	35831808
12	$\mathcal{O}(3; \{2^3, 3, 12^2\})$	11943936
12	$\mathcal{O}(3; \{3, 4^2, 12^2\})$	47775744
12	$\mathcal{O}(3; \{3^2, 6, 12^2\})$	59719680
12	$\mathcal{O}(3; \{2, 6^2, 12^2\})$	35831808
12	$\mathcal{O}(3; \{2, 4, 12^3\})$	47775744
12	$\mathcal{O}(2; \{2^{12}\})$	19200
12	$\mathcal{O}(2; \{2^8, 3^3\})$	38880
12	$\mathcal{O}(2; \{2^4, 3^6\})$	427680

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{3^9\})$	3304800
12	$\mathcal{O}(2; \{2^9, 4^2\})$	40960
12	$\mathcal{O}(2; \{2^5, 3^3, 4^2\})$	82944
12	$\mathcal{O}(2; \{2, 3^6, 4^2\})$	912384
12	$\mathcal{O}(2; \{2^6, 4^4\})$	163840
12	$\mathcal{O}(2; \{2^2, 3^3, 4^4\})$	331776
12	$\mathcal{O}(2; \{2^3, 4^6\})$	655360
12	$\mathcal{O}(2; \{4^8\})$	2621440
12	$\mathcal{O}(2; \{2^9, 3, 6\})$	38880
12	$\mathcal{O}(2; \{2^5, 3^4, 6\})$	194400
12	$\mathcal{O}(2; \{2, 3^7, 6\})$	1671840
12	$\mathcal{O}(2; \{2^6, 3, 4^2, 6\})$	82944
12	$\mathcal{O}(2; \{2^2, 3^4, 4^2, 6\})$	414720
12	$\mathcal{O}(2; \{2^3, 3, 4^4, 6\})$	331776
12	$\mathcal{O}(2; \{3, 4^6, 6\})$	1327104
12	$\mathcal{O}(2; \{2^6, 3^2, 6^2\})$	116640
12	$\mathcal{O}(2; \{2^2, 3^5, 6^2\})$	816480
12	$\mathcal{O}(2; \{2^3, 3^2, 4^2, 6^2\})$	248832
12	$\mathcal{O}(2; \{3^2, 4^4, 6^2\})$	995328
12	$\mathcal{O}(2; \{2^7, 6^3\})$	38880
12	$\mathcal{O}(2; \{2^3, 3^3, 6^3\})$	427680
12	$\mathcal{O}(2; \{2^4, 4^2, 6^3\})$	82944
12	$\mathcal{O}(2; \{3^3, 4^2, 6^3\})$	912384
12	$\mathcal{O}(2; \{2, 4^4, 6^3\})$	331776
12	$\mathcal{O}(2; \{2^4, 3, 6^4\})$	194400
12	$\mathcal{O}(2; \{3^4, 6^4\})$	1671840
12	$\mathcal{O}(2; \{2, 3, 4^2, 6^4\})$	414720
12	$\mathcal{O}(2; \{2, 3^2, 6^5\})$	816480
12	$\mathcal{O}(2; \{2^2, 6^6\})$	427680
12	$\mathcal{O}(2; \{2^6, 3^2, 4, 12\})$	82944
12	$\mathcal{O}(2; \{2^2, 3^5, 4, 12\})$	912384
12	$\mathcal{O}(2; \{2^3, 3^2, 4^3, 12\})$	331776
12	$\mathcal{O}(2; \{3^2, 4^5, 12\})$	1327104
12	$\mathcal{O}(2; \{2^7, 4, 6, 12\})$	82944
12	$\mathcal{O}(2; \{2^3, 3^3, 4, 6, 12\})$	414720
12	$\mathcal{O}(2; \{2^4, 4^3, 6, 12\})$	331776
12	$\mathcal{O}(2; \{3^3, 4^3, 6, 12\})$	1658880
12	$\mathcal{O}(2; \{2, 4^5, 6, 12\})$	1327104
12	$\mathcal{O}(2; \{2^4, 3, 4, 6^2, 12\})$	248832
12	$\mathcal{O}(2; \{3^4, 4, 6^2, 12\})$	1741824
12	$\mathcal{O}(2; \{2, 3, 4^3, 6^2, 12\})$	995328
12	$\mathcal{O}(2; \{2, 3^2, 4, 6^3, 12\})$	912384
12	$\mathcal{O}(2; \{2^2, 4, 6^4, 12\})$	414720

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{2^7, 3, 12^2\})$	82944
12	$\mathcal{O}(2; \{2^3, 3^4, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^4, 3, 4^2, 12^2\})$	331776
12	$\mathcal{O}(2; \{3^4, 4^2, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2, 3, 4^4, 12^2\})$	1327104
12	$\mathcal{O}(2; \{2^4, 3^2, 6, 12^2\})$	414720
12	$\mathcal{O}(2; \{3^5, 6, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2, 3^2, 4^2, 6, 12^2\})$	1658880
12	$\mathcal{O}(2; \{2^5, 6^2, 12^2\})$	248832
12	$\mathcal{O}(2; \{2, 3^3, 6^2, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^2, 4^2, 6^2, 12^2\})$	995328
12	$\mathcal{O}(2; \{2^2, 3, 6^3, 12^2\})$	912384
12	$\mathcal{O}(2; \{6^5, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^5, 4, 12^3\})$	331776
12	$\mathcal{O}(2; \{2, 3^3, 4, 12^3\})$	3649536
12	$\mathcal{O}(2; \{2^2, 4^3, 12^3\})$	1327104
12	$\mathcal{O}(2; \{2^2, 3, 4, 6, 12^3\})$	1658880
12	$\mathcal{O}(2; \{4, 6^3, 12^3\})$	3649536
12	$\mathcal{O}(2; \{2^2, 3^2, 12^4\})$	3649536
12	$\mathcal{O}(2; \{2^3, 6, 12^4\})$	1658880
12	$\mathcal{O}(2; \{4^2, 6, 12^4\})$	6635520
12	$\mathcal{O}(2; \{3, 6^2, 12^4\})$	6967296
12	$\mathcal{O}(2; \{3, 4, 12^5\})$	14598144
12	$\mathcal{O}(2; \{2, 12^6\})$	14598144
12	$\mathcal{O}(1; \{2^{16}\})$	96
12	$\mathcal{O}(1; \{2^{12}, 3^3\})$	216
12	$\mathcal{O}(1; \{2^8, 3^6\})$	2376
12	$\mathcal{O}(1; \{2^4, 3^9\})$	18360
12	$\mathcal{O}(1; \{3^{12}\})$	147528
12	$\mathcal{O}(1; \{2^{13}, 4^2\})$	256
12	$\mathcal{O}(1; \{2^9, 3^3, 4^2\})$	576
12	$\mathcal{O}(1; \{2^5, 3^6, 4^2\})$	6336
12	$\mathcal{O}(1; \{2, 3^9, 4^2\})$	48960
12	$\mathcal{O}(1; \{2^{10}, 4^4\})$	1024
12	$\mathcal{O}(1; \{2^6, 3^3, 4^4\})$	2304
12	$\mathcal{O}(1; \{2^2, 3^6, 4^4\})$	25344
12	$\mathcal{O}(1; \{2^7, 4^6\})$	4096
12	$\mathcal{O}(1; \{2^3, 3^3, 4^6\})$	9216
12	$\mathcal{O}(1; \{2^4, 4^8\})$	16384
12	$\mathcal{O}(1; \{3^3, 4^8\})$	36864
12	$\mathcal{O}(1; \{2, 4^{10}\})$	65536
12	$\mathcal{O}(1; \{2^{13}, 3, 6\})$	216
12	$\mathcal{O}(1; \{2^9, 3^4, 6\})$	1080

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Table 9 – continued from previous page

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

Continued on next page

Table 9 – continued from previous page

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

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Table 9 – continued from previous page

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

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3^2, 4^2, 12^4\})$	101376
12	$\mathcal{O}(1; \{3^2, 4^4, 12^4\})$	405504
12	$\mathcal{O}(1; \{2^7, 6, 12^4\})$	11520
12	$\mathcal{O}(1; \{2^3, 3^3, 6, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^4, 4^2, 6, 12^4\})$	46080
12	$\mathcal{O}(1; \{3^3, 4^2, 6, 12^4\})$	396288
12	$\mathcal{O}(1; \{2, 4^4, 6, 12^4\})$	184320
12	$\mathcal{O}(1; \{2^4, 3, 6^2, 12^4\})$	48384
12	$\mathcal{O}(1; \{3^4, 6^2, 12^4\})$	393984
12	$\mathcal{O}(1; \{2, 3, 4^2, 6^2, 12^4\})$	193536
12	$\mathcal{O}(1; \{2, 3^2, 6^3, 12^4\})$	195840
12	$\mathcal{O}(1; \{2^2, 6^4, 12^4\})$	99072
12	$\mathcal{O}(1; \{2^4, 3, 4, 12^5\})$	101376
12	$\mathcal{O}(1; \{3^4, 4, 12^5\})$	783360
12	$\mathcal{O}(1; \{2, 3, 4^3, 12^5\})$	405504
12	$\mathcal{O}(1; \{2, 3^2, 4, 6, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^2, 4, 6^2, 12^5\})$	193536
12	$\mathcal{O}(1; \{2^5, 12^6\})$	101376
12	$\mathcal{O}(1; \{2, 3^3, 12^6\})$	783360
12	$\mathcal{O}(1; \{2^2, 4^2, 12^6\})$	405504
12	$\mathcal{O}(1; \{2^2, 3, 6, 12^6\})$	396288
12	$\mathcal{O}(1; \{6^3, 12^6\})$	783360
12	$\mathcal{O}(1; \{4, 6, 12^7\})$	1585152
12	$\mathcal{O}(1; \{3, 12^8\})$	3133440
12	$\mathcal{O}(0; \{2^{13}, 3^3, 4^2\})$	4
12	$\mathcal{O}(0; \{2^9, 3^6, 4^2\})$	44
12	$\mathcal{O}(0; \{2^5, 3^9, 4^2\})$	340
12	$\mathcal{O}(0; \{2, 3^{12}, 4^2\})$	2732
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^4\})$	16
12	$\mathcal{O}(0; \{2^6, 3^6, 4^4\})$	176
12	$\mathcal{O}(0; \{2^2, 3^9, 4^4\})$	1360
12	$\mathcal{O}(0; \{2^7, 3^3, 4^6\})$	64
12	$\mathcal{O}(0; \{2^3, 3^6, 4^6\})$	704
12	$\mathcal{O}(0; \{2^4, 3^3, 4^8\})$	256
12	$\mathcal{O}(0; \{3^6, 4^8\})$	2816
12	$\mathcal{O}(0; \{2, 3^3, 4^{10}\})$	1024
12	$\mathcal{O}(0; \{2^{14}, 3, 4^2, 6\})$	4
12	$\mathcal{O}(0; \{2^{10}, 3^4, 4^2, 6\})$	20
12	$\mathcal{O}(0; \{2^6, 3^7, 4^2, 6\})$	172
12	$\mathcal{O}(0; \{2^2, 3^{10}, 4^2, 6\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 3, 4^4, 6\})$	16
12	$\mathcal{O}(0; \{2^7, 3^4, 4^4, 6\})$	80
12	$\mathcal{O}(0; \{2^3, 3^7, 4^4, 6\})$	688

Continued on next page

Table 9 – continued from previous page

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

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^4, 4^2, 6^7\})$	1364
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^7\})$	688
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^8\})$	684
12	$\mathcal{O}(0; \{2^2, 4^2, 6^9\})$	340
12	$\mathcal{O}(0; \{2^{14}, 3^2, 4, 12\})$	4
12	$\mathcal{O}(0; \{2^{10}, 3^5, 4, 12\})$	44
12	$\mathcal{O}(0; \{2^6, 3^8, 4, 12\})$	340
12	$\mathcal{O}(0; \{2^2, 3^{11}, 4, 12\})$	2732
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^3, 12\})$	16
12	$\mathcal{O}(0; \{2^7, 3^5, 4^3, 12\})$	176
12	$\mathcal{O}(0; \{2^3, 3^8, 4^3, 12\})$	1360
12	$\mathcal{O}(0; \{2^8, 3^2, 4^5, 12\})$	64
12	$\mathcal{O}(0; \{2^4, 3^5, 4^5, 12\})$	704
12	$\mathcal{O}(0; \{3^8, 4^5, 12\})$	5440
12	$\mathcal{O}(0; \{2^5, 3^2, 4^7, 12\})$	256
12	$\mathcal{O}(0; \{2, 3^5, 4^7, 12\})$	2816
12	$\mathcal{O}(0; \{2^2, 3^2, 4^9, 12\})$	1024
12	$\mathcal{O}(0; \{2^{15}, 4, 6, 12\})$	4
12	$\mathcal{O}(0; \{2^{11}, 3^3, 4, 6, 12\})$	20
12	$\mathcal{O}(0; \{2^7, 3^6, 4, 6, 12\})$	172
12	$\mathcal{O}(0; \{2^3, 3^9, 4, 6, 12\})$	1364
12	$\mathcal{O}(0; \{2^{12}, 4^3, 6, 12\})$	16
12	$\mathcal{O}(0; \{2^8, 3^3, 4^3, 6, 12\})$	80
12	$\mathcal{O}(0; \{2^4, 3^6, 4^3, 6, 12\})$	688
12	$\mathcal{O}(0; \{3^9, 4^3, 6, 12\})$	5456
12	$\mathcal{O}(0; \{2^9, 4^5, 6, 12\})$	64
12	$\mathcal{O}(0; \{2^5, 3^3, 4^5, 6, 12\})$	320
12	$\mathcal{O}(0; \{2, 3^6, 4^5, 6, 12\})$	2752
12	$\mathcal{O}(0; \{2^6, 4^7, 6, 12\})$	256
12	$\mathcal{O}(0; \{2^2, 3^3, 4^7, 6, 12\})$	1280
12	$\mathcal{O}(0; \{2^3, 4^9, 6, 12\})$	1024
12	$\mathcal{O}(0; \{4^{11}, 6, 12\})$	4096
12	$\mathcal{O}(0; \{2^{12}, 3, 4, 6^2, 12\})$	12
12	$\mathcal{O}(0; \{2^8, 3^4, 4, 6^2, 12\})$	84
12	$\mathcal{O}(0; \{2^4, 3^7, 4, 6^2, 12\})$	684
12	$\mathcal{O}(0; \{3^{10}, 4, 6^2, 12\})$	5460
12	$\mathcal{O}(0; \{2^9, 3, 4^3, 6^2, 12\})$	48
12	$\mathcal{O}(0; \{2^5, 3^4, 4^3, 6^2, 12\})$	336
12	$\mathcal{O}(0; \{2, 3^7, 4^3, 6^2, 12\})$	2736
12	$\mathcal{O}(0; \{2^6, 3, 4^5, 6^2, 12\})$	192
12	$\mathcal{O}(0; \{2^2, 3^4, 4^5, 6^2, 12\})$	1344
12	$\mathcal{O}(0; \{2^3, 3, 4^7, 6^2, 12\})$	768
12	$\mathcal{O}(0; \{3, 4^9, 6^2, 12\})$	3072

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^9, 3^2, 4, 6^3, 12\})$	44
12	$\mathcal{O}(0; \{2^5, 3^5, 4, 6^3, 12\})$	340
12	$\mathcal{O}(0; \{2, 3^8, 4, 6^3, 12\})$	2732
12	$\mathcal{O}(0; \{2^6, 3^2, 4^3, 6^3, 12\})$	176
12	$\mathcal{O}(0; \{2^2, 3^5, 4^3, 6^3, 12\})$	1360
12	$\mathcal{O}(0; \{2^3, 3^2, 4^5, 6^3, 12\})$	704
12	$\mathcal{O}(0; \{3^2, 4^7, 6^3, 12\})$	2816
12	$\mathcal{O}(0; \{2^{10}, 4, 6^4, 12\})$	20
12	$\mathcal{O}(0; \{2^6, 3^3, 4, 6^4, 12\})$	172
12	$\mathcal{O}(0; \{2^2, 3^6, 4, 6^4, 12\})$	1364
12	$\mathcal{O}(0; \{2^7, 4^3, 6^4, 12\})$	80
12	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 6^4, 12\})$	688
12	$\mathcal{O}(0; \{2^4, 4^5, 6^4, 12\})$	320
12	$\mathcal{O}(0; \{3^3, 4^5, 6^4, 12\})$	2752
12	$\mathcal{O}(0; \{2, 4^7, 6^4, 12\})$	1280
12	$\mathcal{O}(0; \{2^7, 3, 4, 6^5, 12\})$	84
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 6^5, 12\})$	684
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 6^5, 12\})$	336
12	$\mathcal{O}(0; \{3^4, 4^3, 6^5, 12\})$	2736
12	$\mathcal{O}(0; \{2, 3, 4^5, 6^5, 12\})$	1344
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^6, 12\})$	340
12	$\mathcal{O}(0; \{3^5, 4, 6^6, 12\})$	2732
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^6, 12\})$	1360
12	$\mathcal{O}(0; \{2^5, 4, 6^7, 12\})$	172
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^7, 12\})$	1364
12	$\mathcal{O}(0; \{2^2, 4^3, 6^7, 12\})$	688
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^8, 12\})$	684
12	$\mathcal{O}(0; \{4, 6^{10}, 12\})$	1364
12	$\mathcal{O}(0; \{2^{15}, 3, 12^2\})$	4
12	$\mathcal{O}(0; \{2^{11}, 3^4, 12^2\})$	44
12	$\mathcal{O}(0; \{2^7, 3^7, 12^2\})$	340
12	$\mathcal{O}(0; \{2^3, 3^{10}, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{12}, 3, 4^2, 12^2\})$	16
12	$\mathcal{O}(0; \{2^8, 3^4, 4^2, 12^2\})$	176
12	$\mathcal{O}(0; \{2^4, 3^7, 4^2, 12^2\})$	1360
12	$\mathcal{O}(0; \{3^{10}, 4^2, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^9, 3, 4^4, 12^2\})$	64
12	$\mathcal{O}(0; \{2^5, 3^4, 4^4, 12^2\})$	704
12	$\mathcal{O}(0; \{2, 3^7, 4^4, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^6, 3, 4^6, 12^2\})$	256
12	$\mathcal{O}(0; \{2^2, 3^4, 4^6, 12^2\})$	2816
12	$\mathcal{O}(0; \{2^3, 3, 4^8, 12^2\})$	1024
12	$\mathcal{O}(0; \{3, 4^{10}, 12^2\})$	4096

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Table 9 – continued from previous page

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

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Table 9 – continued from previous page

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

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Table 9 – continued from previous page

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

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6, 12^5\})$	11008
12	$\mathcal{O}(0; \{2^6, 4, 6^2, 12^5\})$	1344
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^2, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^3, 4^3, 6^2, 12^5\})$	5376
12	$\mathcal{O}(0; \{4^5, 6^2, 12^5\})$	21504
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^3, 12^5\})$	5440
12	$\mathcal{O}(0; \{3, 4^3, 6^3, 12^5\})$	21760
12	$\mathcal{O}(0; \{3^2, 4, 6^4, 12^5\})$	21824
12	$\mathcal{O}(0; \{2, 4, 6^5, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^9, 12^6\})$	704
12	$\mathcal{O}(0; \{2^5, 3^3, 12^6\})$	5440
12	$\mathcal{O}(0; \{2, 3^6, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^6, 4^2, 12^6\})$	2816
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 12^6\})$	21760
12	$\mathcal{O}(0; \{2^3, 4^4, 12^6\})$	11264
12	$\mathcal{O}(0; \{4^6, 12^6\})$	45056
12	$\mathcal{O}(0; \{2^6, 3, 6, 12^6\})$	2752
12	$\mathcal{O}(0; \{2^2, 3^4, 6, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6, 12^6\})$	11008
12	$\mathcal{O}(0; \{3, 4^4, 6, 12^6\})$	44032
12	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 12^6\})$	10944
12	$\mathcal{O}(0; \{3^2, 4^2, 6^2, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^4, 6^3, 12^6\})$	5440
12	$\mathcal{O}(0; \{3^3, 6^3, 12^6\})$	43712
12	$\mathcal{O}(0; \{2, 4^2, 6^3, 12^6\})$	21760
12	$\mathcal{O}(0; \{2, 3, 6^4, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 12^7\})$	21760
12	$\mathcal{O}(0; \{3^2, 4^3, 12^7\})$	87040
12	$\mathcal{O}(0; \{2^4, 4, 6, 12^7\})$	11008
12	$\mathcal{O}(0; \{3^3, 4, 6, 12^7\})$	87296
12	$\mathcal{O}(0; \{2, 4^3, 6, 12^7\})$	44032
12	$\mathcal{O}(0; \{2, 3, 4, 6^2, 12^7\})$	43776
12	$\mathcal{O}(0; \{2^4, 3, 12^8\})$	21760
12	$\mathcal{O}(0; \{3^4, 12^8\})$	174848
12	$\mathcal{O}(0; \{2, 3, 4^2, 12^8\})$	87040
12	$\mathcal{O}(0; \{2, 3^2, 6, 12^8\})$	87296
12	$\mathcal{O}(0; \{2^2, 6^2, 12^8\})$	43776
12	$\mathcal{O}(0; \{2^2, 4, 12^9\})$	87040
12	$\mathcal{O}(0; \{6, 12^{10}\})$	349184
13	$\mathcal{O}(1; \{13^8\})$	5589762204
14	$\mathcal{O}(3; \{2^2, 14^2\})$	45177216
14	$\mathcal{O}(2; \{2, 7^4, 14\})$	42641760
14	$\mathcal{O}(2; \{2^6, 14^2\})$	230496

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(1; \{7^8\})$	35272062
14	$\mathcal{O}(1; \{2^5, 7^4, 14\})$	217560
14	$\mathcal{O}(1; \{2^{10}, 14^2\})$	1176
14	$\mathcal{O}(1; \{2^3, 7^3, 14^3\})$	1306536
14	$\mathcal{O}(1; \{2, 7^2, 14^5\})$	7838040
14	$\mathcal{O}(0; \{2^4, 7^8\})$	239946
14	$\mathcal{O}(0; \{2^9, 7^4, 14\})$	1110
14	$\mathcal{O}(0; \{2^{14}, 14^2\})$	6
14	$\mathcal{O}(0; \{2^2, 7^7, 14^2\})$	1439670
14	$\mathcal{O}(0; \{2^7, 7^3, 14^3\})$	6666
14	$\mathcal{O}(0; \{7^6, 14^4\})$	8638026
14	$\mathcal{O}(0; \{2^5, 7^2, 14^5\})$	39990
14	$\mathcal{O}(0; \{2^3, 7, 14^7\})$	239946
14	$\mathcal{O}(0; \{2, 14^9\})$	1439670
15	$\mathcal{O}(3; \{5^3\})$	136500000
15	$\mathcal{O}(3; \{3, 5, 15\})$	91125000
15	$\mathcal{O}(2; \{3^3, 5^3\})$	1215000
15	$\mathcal{O}(2; \{3^4, 5, 15\})$	2025000
15	$\mathcal{O}(2; \{5^2, 15^3\})$	20655000
15	$\mathcal{O}(2; \{3, 15^4\})$	26325000
15	$\mathcal{O}(1; \{3^6, 5^3\})$	59400
15	$\mathcal{O}(1; \{5^8\})$	2621600
15	$\mathcal{O}(1; \{3^7, 5, 15\})$	77400
15	$\mathcal{O}(1; \{3, 5^6, 15\})$	1474200
15	$\mathcal{O}(1; \{3^2, 5^4, 15^2\})$	1107000
15	$\mathcal{O}(1; \{3^3, 5^2, 15^3\})$	1009800
15	$\mathcal{O}(1; \{3^4, 15^4\})$	1006200
15	$\mathcal{O}(1; \{5, 15^6\})$	16216200
15	$\mathcal{O}(0; \{3^9, 5^3\})$	2040
15	$\mathcal{O}(0; \{3^3, 5^8\})$	26216
15	$\mathcal{O}(0; \{3^{10}, 5, 15\})$	2728
15	$\mathcal{O}(0; \{3^4, 5^6, 15\})$	32760
15	$\mathcal{O}(0; \{3^5, 5^4, 15^2\})$	34440
15	$\mathcal{O}(0; \{3^6, 5^2, 15^3\})$	34680
15	$\mathcal{O}(0; \{5^7, 15^3\})$	419432
15	$\mathcal{O}(0; \{3^7, 15^4\})$	35464
15	$\mathcal{O}(0; \{3, 5^5, 15^4\})$	524280
15	$\mathcal{O}(0; \{3^2, 5^3, 15^5\})$	550536
15	$\mathcal{O}(0; \{3^3, 5, 15^6\})$	556920
15	$\mathcal{O}(0; \{15^9\})$	8912760
16	$\mathcal{O}(4; \emptyset)$	4278190080
16	$\mathcal{O}(3; \{2^4\})$	16515072
16	$\mathcal{O}(3; \{2, 4^2\})$	33030144

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(2; \{2^8\})$	61440
16	$\mathcal{O}(2; \{2^5, 4^2\})$	122880
16	$\mathcal{O}(2; \{2^2, 4^4\})$	491520
16	$\mathcal{O}(2; \{2^3, 4, 8^2\})$	491520
16	$\mathcal{O}(2; \{4^3, 8^2\})$	1966080
16	$\mathcal{O}(2; \{2, 8^4\})$	3932160
16	$\mathcal{O}(2; \{2, 4, 8, 16^2\})$	4194304
16	$\mathcal{O}(1; \{2^{12}\})$	192
16	$\mathcal{O}(1; \{2^9, 4^2\})$	384
16	$\mathcal{O}(1; \{2^6, 4^4\})$	1536
16	$\mathcal{O}(1; \{2^3, 4^6\})$	6144
16	$\mathcal{O}(1; \{4^8\})$	24576
16	$\mathcal{O}(1; \{2^7, 4, 8^2\})$	1536
16	$\mathcal{O}(1; \{2^4, 4^3, 8^2\})$	6144
16	$\mathcal{O}(1; \{2, 4^5, 8^2\})$	24576
16	$\mathcal{O}(1; \{2^5, 8^4\})$	12288
16	$\mathcal{O}(1; \{2^2, 4^2, 8^4\})$	49152
16	$\mathcal{O}(1; \{4, 8^6\})$	393216
16	$\mathcal{O}(1; \{2^5, 4, 8, 16^2\})$	16384
16	$\mathcal{O}(1; \{2^2, 4^3, 8, 16^2\})$	65536
16	$\mathcal{O}(1; \{2^3, 8^3, 16^2\})$	131072
16	$\mathcal{O}(1; \{4^2, 8^3, 16^2\})$	524288
16	$\mathcal{O}(1; \{2^3, 4, 16^4\})$	262144
16	$\mathcal{O}(1; \{4^3, 16^4\})$	1048576
16	$\mathcal{O}(1; \{2, 8^2, 16^4\})$	2097152
16	$\mathcal{O}(0; \{2^9, 4, 8, 16^2\})$	64
16	$\mathcal{O}(0; \{2^6, 4^3, 8, 16^2\})$	256
16	$\mathcal{O}(0; \{2^3, 4^5, 8, 16^2\})$	1024
16	$\mathcal{O}(0; \{4^7, 8, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^7, 8^3, 16^2\})$	512
16	$\mathcal{O}(0; \{2^4, 4^2, 8^3, 16^2\})$	2048
16	$\mathcal{O}(0; \{2, 4^4, 8^3, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^2, 4, 8^5, 16^2\})$	16384
16	$\mathcal{O}(0; \{8^7, 16^2\})$	131072
16	$\mathcal{O}(0; \{2^7, 4, 16^4\})$	1024
16	$\mathcal{O}(0; \{2^4, 4^3, 16^4\})$	4096
16	$\mathcal{O}(0; \{2, 4^5, 16^4\})$	16384
16	$\mathcal{O}(0; \{2^5, 8^2, 16^4\})$	8192
16	$\mathcal{O}(0; \{2^2, 4^2, 8^2, 16^4\})$	32768
16	$\mathcal{O}(0; \{4, 8^4, 16^4\})$	262144
16	$\mathcal{O}(0; \{2^3, 8, 16^6\})$	131072
16	$\mathcal{O}(0; \{4^2, 8, 16^6\})$	524288
16	$\mathcal{O}(0; \{2, 16^8\})$	2097152

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
17	$\mathcal{O}(1; \{17^6\})$	285212944
18	$\mathcal{O}(3; \{3^2\})$	66869712
18	$\mathcal{O}(2; \{2^4, 3^2\})$	207360
18	$\mathcal{O}(2; \{3^5\})$	972000
18	$\mathcal{O}(2; \{2, 3^3, 6\})$	622080
18	$\mathcal{O}(2; \{2^2, 3, 6^2\})$	207360
18	$\mathcal{O}(2; \{6^4\})$	622080
18	$\mathcal{O}(2; \{3, 9^3\})$	3542940
18	$\mathcal{O}(2; \{2^3, 9, 18\})$	629856
18	$\mathcal{O}(2; \{3, 6, 9, 18\})$	2519424
18	$\mathcal{O}(2; \{2, 18^3\})$	1889568
18	$\mathcal{O}(1; \{2^8, 3^2\})$	576
18	$\mathcal{O}(1; \{2^4, 3^5\})$	2880
18	$\mathcal{O}(1; \{3^8\})$	18576
18	$\mathcal{O}(1; \{2^5, 3^3, 6\})$	1728
18	$\mathcal{O}(1; \{2, 3^6, 6\})$	12096
18	$\mathcal{O}(1; \{2^6, 3, 6^2\})$	576
18	$\mathcal{O}(1; \{2^2, 3^4, 6^2\})$	6336
18	$\mathcal{O}(1; \{2^3, 3^2, 6^3\})$	2880
18	$\mathcal{O}(1; \{2^4, 6^4\})$	1728
18	$\mathcal{O}(1; \{3^3, 6^4\})$	12096
18	$\mathcal{O}(1; \{2, 3, 6^5\})$	6336
18	$\mathcal{O}(1; \{2^4, 3, 9^3\})$	11664
18	$\mathcal{O}(1; \{3^4, 9^3\})$	69984
18	$\mathcal{O}(1; \{2, 3^2, 6, 9^3\})$	46656
18	$\mathcal{O}(1; \{2^2, 6^2, 9^3\})$	23328
18	$\mathcal{O}(1; \{9^6\})$	1299078
18	$\mathcal{O}(1; \{2^7, 9, 18\})$	1944
18	$\mathcal{O}(1; \{2^3, 3^3, 9, 18\})$	15552
18	$\mathcal{O}(1; \{2^4, 3, 6, 9, 18\})$	7776
18	$\mathcal{O}(1; \{3^4, 6, 9, 18\})$	62208
18	$\mathcal{O}(1; \{2, 3^2, 6^2, 9, 18\})$	31104
18	$\mathcal{O}(1; \{2^2, 6^3, 9, 18\})$	15552
18	$\mathcal{O}(1; \{6, 9^4, 18\})$	524880
18	$\mathcal{O}(1; \{2^2, 3, 9^2, 18^2\})$	104976
18	$\mathcal{O}(1; \{6^2, 9^2, 18^2\})$	209952
18	$\mathcal{O}(1; \{2^5, 18^3\})$	5832
18	$\mathcal{O}(1; \{2, 3^3, 18^3\})$	46656
18	$\mathcal{O}(1; \{2^2, 3, 6, 18^3\})$	23328
18	$\mathcal{O}(1; \{6^3, 18^3\})$	46656
18	$\mathcal{O}(1; \{3, 9, 18^4\})$	524880
18	$\mathcal{O}(0; \{2^8, 3, 9^3\})$	36
18	$\mathcal{O}(0; \{2^4, 3^4, 9^3\})$	288

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^5, 3^2, 6, 9^3\})$	144
18	$\mathcal{O}(0; \{2, 3^5, 6, 9^3\})$	1152
18	$\mathcal{O}(0; \{2^6, 6^2, 9^3\})$	72
18	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 9^3\})$	576
18	$\mathcal{O}(0; \{2^3, 3, 6^3, 9^3\})$	288
18	$\mathcal{O}(0; \{3^2, 6^4, 9^3\})$	1152
18	$\mathcal{O}(0; \{2, 6^5, 9^3\})$	576
18	$\mathcal{O}(0; \{2^4, 9^6\})$	5346
18	$\mathcal{O}(0; \{2, 3, 6, 9^6\})$	21384
18	$\mathcal{O}(0; \{2^{11}, 9, 18\})$	6
18	$\mathcal{O}(0; \{2^7, 3^3, 9, 18\})$	48
18	$\mathcal{O}(0; \{2^3, 3^6, 9, 18\})$	384
18	$\mathcal{O}(0; \{2^8, 3, 6, 9, 18\})$	24
18	$\mathcal{O}(0; \{2^4, 3^4, 6, 9, 18\})$	192
18	$\mathcal{O}(0; \{3^7, 6, 9, 18\})$	1536
18	$\mathcal{O}(0; \{2^5, 3^2, 6^2, 9, 18\})$	96
18	$\mathcal{O}(0; \{2, 3^5, 6^2, 9, 18\})$	768
18	$\mathcal{O}(0; \{2^6, 6^3, 9, 18\})$	48
18	$\mathcal{O}(0; \{2^2, 3^3, 6^3, 9, 18\})$	384
18	$\mathcal{O}(0; \{2^3, 3, 6^4, 9, 18\})$	192
18	$\mathcal{O}(0; \{3^2, 6^5, 9, 18\})$	768
18	$\mathcal{O}(0; \{2, 6^6, 9, 18\})$	384
18	$\mathcal{O}(0; \{2^3, 3^2, 9^4, 18\})$	3240
18	$\mathcal{O}(0; \{2^4, 6, 9^4, 18\})$	1620
18	$\mathcal{O}(0; \{3^3, 6, 9^4, 18\})$	12960
18	$\mathcal{O}(0; \{2, 3, 6^2, 9^4, 18\})$	6480
18	$\mathcal{O}(0; \{2^6, 3, 9^2, 18^2\})$	324
18	$\mathcal{O}(0; \{2^2, 3^4, 9^2, 18^2\})$	2592
18	$\mathcal{O}(0; \{2^3, 3^2, 6, 9^2, 18^2\})$	1296
18	$\mathcal{O}(0; \{2^4, 6^2, 9^2, 18^2\})$	648
18	$\mathcal{O}(0; \{3^3, 6^2, 9^2, 18^2\})$	5184
18	$\mathcal{O}(0; \{2, 3, 6^3, 9^2, 18^2\})$	2592
18	$\mathcal{O}(0; \{2^2, 9^5, 18^2\})$	30618
18	$\mathcal{O}(0; \{2^9, 18^3\})$	18
18	$\mathcal{O}(0; \{2^5, 3^3, 18^3\})$	144
18	$\mathcal{O}(0; \{2, 3^6, 18^3\})$	1152
18	$\mathcal{O}(0; \{2^6, 3, 6, 18^3\})$	72
18	$\mathcal{O}(0; \{2^2, 3^4, 6, 18^3\})$	576
18	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 18^3\})$	288
18	$\mathcal{O}(0; \{2^4, 6^3, 18^3\})$	144
18	$\mathcal{O}(0; \{3^3, 6^3, 18^3\})$	1152
18	$\mathcal{O}(0; \{2, 3, 6^4, 18^3\})$	576
18	$\mathcal{O}(0; \{2, 3^2, 9^3, 18^3\})$	21384

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^2, 6, 9^3, 18^3\})$	10692
18	$\mathcal{O}(0; \{2^4, 3, 9, 18^4\})$	1620
18	$\mathcal{O}(0; \{3^4, 9, 18^4\})$	12960
18	$\mathcal{O}(0; \{2, 3^2, 6, 9, 18^4\})$	6480
18	$\mathcal{O}(0; \{2^2, 6^2, 9, 18^4\})$	3240
18	$\mathcal{O}(0; \{9^4, 18^4\})$	188082
18	$\mathcal{O}(0; \{6, 9^2, 18^5\})$	61236
18	$\mathcal{O}(0; \{2^2, 3, 18^6\})$	10692
18	$\mathcal{O}(0; \{6^2, 18^6\})$	21384
20	$\mathcal{O}(2; \{2^2, 10^2\})$	600000
20	$\mathcal{O}(2; \{10, 20^2\})$	3840000
20	$\mathcal{O}(1; \{5^6\})$	246000
20	$\mathcal{O}(1; \{2^3, 5^3, 10\})$	15600
20	$\mathcal{O}(1; \{4^2, 5^3, 10\})$	41600
20	$\mathcal{O}(1; \{2^6, 10^2\})$	1200
20	$\mathcal{O}(1; \{2^3, 4^2, 10^2\})$	3200
20	$\mathcal{O}(1; \{4^4, 10^2\})$	12800
20	$\mathcal{O}(1; \{2, 5^2, 10^3\})$	61200
20	$\mathcal{O}(1; \{2^3, 4, 5^2, 20\})$	9600
20	$\mathcal{O}(1; \{4^3, 5^2, 20\})$	38400
20	$\mathcal{O}(1; \{2, 4, 5, 10^2, 20\})$	41600
20	$\mathcal{O}(1; \{2, 5^3, 20^2\})$	163200
20	$\mathcal{O}(1; \{2^4, 10, 20^2\})$	9600
20	$\mathcal{O}(1; \{2, 4^2, 10, 20^2\})$	38400
20	$\mathcal{O}(1; \{2^2, 20^4\})$	166400
20	$\mathcal{O}(0; \{2, 4^2, 5^6\})$	1640
20	$\mathcal{O}(0; \{2^4, 4^2, 5^3, 10\})$	104
20	$\mathcal{O}(0; \{2, 4^4, 5^3, 10\})$	416
20	$\mathcal{O}(0; \{2^7, 4^2, 10^2\})$	8
20	$\mathcal{O}(0; \{2^4, 4^4, 10^2\})$	32
20	$\mathcal{O}(0; \{2, 4^6, 10^2\})$	128
20	$\mathcal{O}(0; \{2^2, 4^2, 5^2, 10^3\})$	408
20	$\mathcal{O}(0; \{4^2, 5, 10^5\})$	1640
20	$\mathcal{O}(0; \{2^7, 4, 5^2, 20\})$	24
20	$\mathcal{O}(0; \{2^4, 4^3, 5^2, 20\})$	96
20	$\mathcal{O}(0; \{2, 4^5, 5^2, 20\})$	384
20	$\mathcal{O}(0; \{2^2, 4, 5^4, 10, 20\})$	1640
20	$\mathcal{O}(0; \{2^5, 4, 5, 10^2, 20\})$	104
20	$\mathcal{O}(0; \{2^2, 4^3, 5, 10^2, 20\})$	416
20	$\mathcal{O}(0; \{4, 5^3, 10^3, 20\})$	6552
20	$\mathcal{O}(0; \{2^3, 4, 10^4, 20\})$	408
20	$\mathcal{O}(0; \{4^3, 10^4, 20\})$	1632
20	$\mathcal{O}(0; \{2^5, 5^3, 20^2\})$	408

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^2, 4^2, 5^3, 20^2\})$	1632
20	$\mathcal{O}(0; \{2^8, 10, 20^2\})$	24
20	$\mathcal{O}(0; \{2^5, 4^2, 10, 20^2\})$	96
20	$\mathcal{O}(0; \{2^2, 4^4, 10, 20^2\})$	384
20	$\mathcal{O}(0; \{5^5, 10, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^3, 5^2, 10^2, 20^2\})$	1640
20	$\mathcal{O}(0; \{4^2, 5^2, 10^2, 20^2\})$	6560
20	$\mathcal{O}(0; \{2, 5, 10^4, 20^2\})$	6552
20	$\mathcal{O}(0; \{4, 5^4, 20^3\})$	26208
20	$\mathcal{O}(0; \{2^3, 4, 5, 10, 20^3\})$	1632
20	$\mathcal{O}(0; \{4^3, 5, 10, 20^3\})$	6528
20	$\mathcal{O}(0; \{2, 4, 10^3, 20^3\})$	6560
20	$\mathcal{O}(0; \{2^6, 20^4\})$	416
20	$\mathcal{O}(0; \{2^3, 4^2, 20^4\})$	1664
20	$\mathcal{O}(0; \{4^4, 20^4\})$	6656
20	$\mathcal{O}(0; \{2, 5^2, 10, 20^4\})$	26208
20	$\mathcal{O}(0; \{2, 4, 5, 20^5\})$	26240
21	$\mathcal{O}(2; \{7^3\})$	5762400
21	$\mathcal{O}(2; \{3, 21^2\})$	2333772
21	$\mathcal{O}(1; \{3^3, 7^3\})$	26460
21	$\mathcal{O}(1; \{3^4, 21^2\})$	58212
21	$\mathcal{O}(1; \{7^2, 21^3\})$	979020
21	$\mathcal{O}(0; \{3^6, 7^3\})$	660
21	$\mathcal{O}(0; \{3^2, 7^5, 21\})$	13332
21	$\mathcal{O}(0; \{3^7, 21^2\})$	1020
21	$\mathcal{O}(0; \{3^3, 7^2, 21^3\})$	24420
21	$\mathcal{O}(0; \{7, 21^6\})$	879780
22	$\mathcal{O}(2; \{2, 11, 22\})$	2342560
22	$\mathcal{O}(1; \{2^5, 11, 22\})$	4840
22	$\mathcal{O}(1; \{2^3, 22^3\})$	43560
22	$\mathcal{O}(0; \{2^9, 11, 22\})$	10
22	$\mathcal{O}(0; \{2^7, 22^3\})$	90
24	$\mathcal{O}(3; \emptyset)$	187858944
24	$\mathcal{O}(2; \{2^4\})$	307200
24	$\mathcal{O}(2; \{3^3\})$	622080
24	$\mathcal{O}(2; \{2, 4^2\})$	614400
24	$\mathcal{O}(2; \{2, 3, 6\})$	622080
24	$\mathcal{O}(1; \{2^8\})$	384
24	$\mathcal{O}(1; \{2^4, 3^3\})$	864
24	$\mathcal{O}(1; \{3^6\})$	9504
24	$\mathcal{O}(1; \{2^5, 4^2\})$	768
24	$\mathcal{O}(1; \{2, 3^3, 4^2\})$	1728
24	$\mathcal{O}(1; \{2^2, 4^4\})$	3072

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2^5, 3, 6\})$	864
24	$\mathcal{O}(1; \{2, 3^4, 6\})$	4320
24	$\mathcal{O}(1; \{2^2, 3, 4^2, 6\})$	1728
24	$\mathcal{O}(1; \{2^2, 3^2, 6^2\})$	2592
24	$\mathcal{O}(1; \{2^3, 6^3\})$	864
24	$\mathcal{O}(1; \{4^2, 6^3\})$	1728
24	$\mathcal{O}(1; \{3, 6^4\})$	4320
24	$\mathcal{O}(1; \{2^3, 4, 8^2\})$	4096
24	$\mathcal{O}(1; \{4^3, 8^2\})$	16384
24	$\mathcal{O}(1; \{3, 4, 6, 8^2\})$	9216
24	$\mathcal{O}(1; \{2, 8^4\})$	32768
24	$\mathcal{O}(1; \{2^2, 3^2, 4, 12\})$	1728
24	$\mathcal{O}(1; \{2^3, 4, 6, 12\})$	1728
24	$\mathcal{O}(1; \{4^3, 6, 12\})$	6912
24	$\mathcal{O}(1; \{3, 4, 6^2, 12\})$	5184
24	$\mathcal{O}(1; \{3^2, 8^2, 12\})$	9216
24	$\mathcal{O}(1; \{2, 6, 8^2, 12\})$	9216
24	$\mathcal{O}(1; \{2^3, 3, 12^2\})$	1728
24	$\mathcal{O}(1; \{3, 4^2, 12^2\})$	6912
24	$\mathcal{O}(1; \{3^2, 6, 12^2\})$	8640
24	$\mathcal{O}(1; \{2, 6^2, 12^2\})$	5184
24	$\mathcal{O}(1; \{2, 4, 12^3\})$	6912
24	$\mathcal{O}(1; \{2^3, 3, 8, 24\})$	4608
24	$\mathcal{O}(1; \{3, 4^2, 8, 24\})$	18432
24	$\mathcal{O}(1; \{3^2, 6, 8, 24\})$	13824
24	$\mathcal{O}(1; \{2, 6^2, 8, 24\})$	4608
24	$\mathcal{O}(1; \{2, 4, 8, 12, 24\})$	18432
24	$\mathcal{O}(1; \{3^2, 4, 24^2\})$	27648
24	$\mathcal{O}(1; \{2, 4, 6, 24^2\})$	9216
24	$\mathcal{O}(1; \{2, 3, 12, 24^2\})$	27648
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 8^2\})$	16
24	$\mathcal{O}(0; \{3^3, 4^3, 8^2\})$	64
24	$\mathcal{O}(0; \{2^4, 3, 4, 6, 8^2\})$	16
24	$\mathcal{O}(0; \{3^4, 4, 6, 8^2\})$	80
24	$\mathcal{O}(0; \{2, 3, 4^3, 6, 8^2\})$	64
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^2, 8^2\})$	48
24	$\mathcal{O}(0; \{2^2, 4, 6^3, 8^2\})$	16
24	$\mathcal{O}(0; \{2, 3^3, 8^4\})$	128
24	$\mathcal{O}(0; \{2^2, 3, 6, 8^4\})$	128
24	$\mathcal{O}(0; \{6^3, 8^4\})$	128
24	$\mathcal{O}(0; \{2^4, 3^2, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{3^5, 8^2, 12\})$	176
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 8^2, 12\})$	64

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^5, 6, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{2, 3^3, 6, 8^2, 12\})$	80
24	$\mathcal{O}(0; \{2^2, 4^2, 6, 8^2, 12\})$	64
24	$\mathcal{O}(0; \{2^2, 3, 6^2, 8^2, 12\})$	48
24	$\mathcal{O}(0; \{6^4, 8^2, 12\})$	80
24	$\mathcal{O}(0; \{4, 6, 8^4, 12\})$	512
24	$\mathcal{O}(0; \{2^2, 3, 4, 8^2, 12^2\})$	64
24	$\mathcal{O}(0; \{4, 6^2, 8^2, 12^2\})$	192
24	$\mathcal{O}(0; \{3, 8^4, 12^2\})$	512
24	$\mathcal{O}(0; \{2^3, 8^2, 12^3\})$	64
24	$\mathcal{O}(0; \{4^2, 8^2, 12^3\})$	256
24	$\mathcal{O}(0; \{3, 6, 8^2, 12^3\})$	320
24	$\mathcal{O}(0; \{2^7, 3, 8, 24\})$	8
24	$\mathcal{O}(0; \{2^3, 3^4, 8, 24\})$	40
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 8, 24\})$	32
24	$\mathcal{O}(0; \{3^4, 4^2, 8, 24\})$	160
24	$\mathcal{O}(0; \{2, 3, 4^4, 8, 24\})$	128
24	$\mathcal{O}(0; \{2^4, 3^2, 6, 8, 24\})$	24
24	$\mathcal{O}(0; \{3^5, 6, 8, 24\})$	168
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6, 8, 24\})$	96
24	$\mathcal{O}(0; \{2^5, 6^2, 8, 24\})$	8
24	$\mathcal{O}(0; \{2, 3^3, 6^2, 8, 24\})$	88
24	$\mathcal{O}(0; \{2^2, 4^2, 6^2, 8, 24\})$	32
24	$\mathcal{O}(0; \{2^2, 3, 6^3, 8, 24\})$	40
24	$\mathcal{O}(0; \{6^5, 8, 24\})$	88
24	$\mathcal{O}(0; \{2^2, 3, 4, 8^3, 24\})$	256
24	$\mathcal{O}(0; \{4, 6^2, 8^3, 24\})$	256
24	$\mathcal{O}(0; \{3, 8^5, 24\})$	2048
24	$\mathcal{O}(0; \{2^5, 4, 8, 12, 24\})$	32
24	$\mathcal{O}(0; \{2, 3^3, 4, 8, 12, 24\})$	160
24	$\mathcal{O}(0; \{2^2, 4^3, 8, 12, 24\})$	128
24	$\mathcal{O}(0; \{2^2, 3, 4, 6, 8, 12, 24\})$	96
24	$\mathcal{O}(0; \{4, 6^3, 8, 12, 24\})$	160
24	$\mathcal{O}(0; \{2^3, 8^3, 12, 24\})$	256
24	$\mathcal{O}(0; \{4^2, 8^3, 12, 24\})$	1024
24	$\mathcal{O}(0; \{3, 6, 8^3, 12, 24\})$	768
24	$\mathcal{O}(0; \{2^2, 3^2, 8, 12^2, 24\})$	160
24	$\mathcal{O}(0; \{2^3, 6, 8, 12^2, 24\})$	96
24	$\mathcal{O}(0; \{4^2, 6, 8, 12^2, 24\})$	384
24	$\mathcal{O}(0; \{3, 6^2, 8, 12^2, 24\})$	352
24	$\mathcal{O}(0; \{3, 4, 8, 12^3, 24\})$	640
24	$\mathcal{O}(0; \{2, 8, 12^4, 24\})$	640
24	$\mathcal{O}(0; \{2^4, 3^2, 4, 24^2\})$	48

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3^5, 4, 24^2\})$	336
24	$\mathcal{O}(0; \{2, 3^2, 4^3, 24^2\})$	192
24	$\mathcal{O}(0; \{2^5, 4, 6, 24^2\})$	16
24	$\mathcal{O}(0; \{2, 3^3, 4, 6, 24^2\})$	176
24	$\mathcal{O}(0; \{2^2, 4^3, 6, 24^2\})$	64
24	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 24^2\})$	80
24	$\mathcal{O}(0; \{4, 6^4, 24^2\})$	176
24	$\mathcal{O}(0; \{2^2, 3^2, 8^2, 24^2\})$	384
24	$\mathcal{O}(0; \{2^3, 6, 8^2, 24^2\})$	128
24	$\mathcal{O}(0; \{4^2, 6, 8^2, 24^2\})$	512
24	$\mathcal{O}(0; \{3, 6^2, 8^2, 24^2\})$	640
24	$\mathcal{O}(0; \{2^5, 3, 12, 24^2\})$	48
24	$\mathcal{O}(0; \{2, 3^4, 12, 24^2\})$	336
24	$\mathcal{O}(0; \{2^2, 3, 4^2, 12, 24^2\})$	192
24	$\mathcal{O}(0; \{2^2, 3^2, 6, 12, 24^2\})$	176
24	$\mathcal{O}(0; \{2^3, 6^2, 12, 24^2\})$	80
24	$\mathcal{O}(0; \{4^2, 6^2, 12, 24^2\})$	320
24	$\mathcal{O}(0; \{3, 6^3, 12, 24^2\})$	336
24	$\mathcal{O}(0; \{3, 4, 8^2, 12, 24^2\})$	1536
24	$\mathcal{O}(0; \{2^3, 4, 12^2, 24^2\})$	192
24	$\mathcal{O}(0; \{4^3, 12^2, 24^2\})$	768
24	$\mathcal{O}(0; \{3, 4, 6, 12^2, 24^2\})$	704
24	$\mathcal{O}(0; \{2, 8^2, 12^2, 24^2\})$	1536
24	$\mathcal{O}(0; \{3^2, 12^3, 24^2\})$	1344
24	$\mathcal{O}(0; \{2, 6, 12^3, 24^2\})$	704
24	$\mathcal{O}(0; \{2^3, 4, 8, 24^3\})$	256
24	$\mathcal{O}(0; \{4^3, 8, 24^3\})$	1024
24	$\mathcal{O}(0; \{3, 4, 6, 8, 24^3\})$	1280
24	$\mathcal{O}(0; \{2, 8^3, 24^3\})$	2048
24	$\mathcal{O}(0; \{3^2, 8, 12, 24^3\})$	2816
24	$\mathcal{O}(0; \{2, 6, 8, 12, 24^3\})$	1280
24	$\mathcal{O}(0; \{2^3, 3, 24^4\})$	640
24	$\mathcal{O}(0; \{3, 4^2, 24^4\})$	2560
24	$\mathcal{O}(0; \{3^2, 6, 24^4\})$	2688
24	$\mathcal{O}(0; \{2, 6^2, 24^4\})$	1408
24	$\mathcal{O}(0; \{2, 4, 12, 24^4\})$	2560
25	$\mathcal{O}(1; \{25^4\})$	4062500
26	$\mathcal{O}(1; \{13^4\})$	809172
26	$\mathcal{O}(0; \{2^4, 13^4\})$	1596
26	$\mathcal{O}(0; \{2^2, 13^3, 26^2\})$	19140
26	$\mathcal{O}(0; \{13^2, 26^4\})$	229692
27	$\mathcal{O}(1; \{9^4\})$	104976
27	$\mathcal{O}(1; \{3, 27^3\})$	236196

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
27	$\mathcal{O}(0; \{3^4, 27^3\})$	2592
27	$\mathcal{O}(0; \{9^3, 27^3\})$	34992
28	$\mathcal{O}(1; \{7^4\})$	109368
28	$\mathcal{O}(1; \{4, 7^2, 28\})$	47040
28	$\mathcal{O}(1; \{2^3, 28^2\})$	9408
28	$\mathcal{O}(1; \{4^2, 28^2\})$	37632
28	$\mathcal{O}(0; \{2, 4^2, 7^4\})$	372
28	$\mathcal{O}(0; \{2^4, 4, 7^2, 28\})$	60
28	$\mathcal{O}(0; \{2, 4^3, 7^2, 28\})$	240
28	$\mathcal{O}(0; \{2^2, 4, 7, 14^2, 28\})$	372
28	$\mathcal{O}(0; \{4, 14^4, 28\})$	2220
28	$\mathcal{O}(0; \{2^7, 28^2\})$	12
28	$\mathcal{O}(0; \{2^4, 4^2, 28^2\})$	48
28	$\mathcal{O}(0; \{2, 4^4, 28^2\})$	192
28	$\mathcal{O}(0; \{7^3, 14, 28^2\})$	13332
28	$\mathcal{O}(0; \{4, 7, 14, 28^3\})$	8880
30	$\mathcal{O}(1; \{5^4\})$	31200
30	$\mathcal{O}(1; \{2^3, 5, 10\})$	3200
30	$\mathcal{O}(1; \{3, 5, 6, 10\})$	7200
30	$\mathcal{O}(1; \{2, 10^3\})$	9600
30	$\mathcal{O}(1; \{3, 5^2, 15\})$	16200
30	$\mathcal{O}(1; \{3^2, 15^2\})$	16200
30	$\mathcal{O}(1; \{2, 6, 15^2\})$	7200
30	$\mathcal{O}(1; \{3^2, 10, 30\})$	7200
30	$\mathcal{O}(1; \{2, 6, 10, 30\})$	7200
30	$\mathcal{O}(1; \{2, 5, 15, 30\})$	21600
30	$\mathcal{O}(0; \{2, 3, 5^4, 6\})$	104
30	$\mathcal{O}(0; \{2^3, 3^3, 5, 10\})$	8
30	$\mathcal{O}(0; \{2^4, 3, 5, 6, 10\})$	8
30	$\mathcal{O}(0; \{3^4, 5, 6, 10\})$	40
30	$\mathcal{O}(0; \{2, 3^2, 5, 6^2, 10\})$	24
30	$\mathcal{O}(0; \{2^2, 5, 6^3, 10\})$	8
30	$\mathcal{O}(0; \{2, 3^3, 10^3\})$	24
30	$\mathcal{O}(0; \{2^2, 3, 6, 10^3\})$	24
30	$\mathcal{O}(0; \{6^3, 10^3\})$	24
30	$\mathcal{O}(0; \{2^4, 3, 5^2, 15\})$	24
30	$\mathcal{O}(0; \{2, 3^2, 5^2, 6, 15\})$	72
30	$\mathcal{O}(0; \{2^2, 5^2, 6^2, 15\})$	24
30	$\mathcal{O}(0; \{2^2, 3, 5, 10^2, 15\})$	104
30	$\mathcal{O}(0; \{5, 6^2, 10^2, 15\})$	104
30	$\mathcal{O}(0; \{3, 10^4, 15\})$	408
30	$\mathcal{O}(0; \{2^4, 3^2, 15^2\})$	24
30	$\mathcal{O}(0; \{2^5, 6, 15^2\})$	8

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{2, 3^3, 6, 15^2\})$	88
30	$\mathcal{O}(0; \{2^2, 3, 6^2, 15^2\})$	40
30	$\mathcal{O}(0; \{6^4, 15^2\})$	88
30	$\mathcal{O}(0; \{5^2, 6, 10, 15^2\})$	408
30	$\mathcal{O}(0; \{2^3, 10, 15^3\})$	104
30	$\mathcal{O}(0; \{3, 6, 10, 15^3\})$	520
30	$\mathcal{O}(0; \{2, 3^2, 5^3, 30\})$	104
30	$\mathcal{O}(0; \{2^2, 5^3, 6, 30\})$	104
30	$\mathcal{O}(0; \{2^4, 3^2, 10, 30\})$	8
30	$\mathcal{O}(0; \{3^5, 10, 30\})$	88
30	$\mathcal{O}(0; \{2^5, 6, 10, 30\})$	8
30	$\mathcal{O}(0; \{2, 3^3, 6, 10, 30\})$	40
30	$\mathcal{O}(0; \{2^2, 3, 6^2, 10, 30\})$	24
30	$\mathcal{O}(0; \{6^4, 10, 30\})$	40
30	$\mathcal{O}(0; \{5^2, 6, 10^2, 30\})$	408
30	$\mathcal{O}(0; \{2^5, 5, 15, 30\})$	24
30	$\mathcal{O}(0; \{2, 3^3, 5, 15, 30\})$	120
30	$\mathcal{O}(0; \{2^2, 3, 5, 6, 15, 30\})$	72
30	$\mathcal{O}(0; \{5, 6^3, 15, 30\})$	120
30	$\mathcal{O}(0; \{5^3, 10, 15, 30\})$	1640
30	$\mathcal{O}(0; \{2^3, 10^2, 15, 30\})$	104
30	$\mathcal{O}(0; \{3, 6, 10^2, 15, 30\})$	312
30	$\mathcal{O}(0; \{3, 5, 10, 15^2, 30\})$	1224
30	$\mathcal{O}(0; \{2, 15^4, 30\})$	2040
30	$\mathcal{O}(0; \{2^2, 3, 5^2, 30^2\})$	104
30	$\mathcal{O}(0; \{5^2, 6^2, 30^2\})$	312
30	$\mathcal{O}(0; \{3, 5, 10^2, 30^2\})$	408
30	$\mathcal{O}(0; \{2^2, 3^2, 15, 30^2\})$	120
30	$\mathcal{O}(0; \{2^3, 6, 15, 30^2\})$	72
30	$\mathcal{O}(0; \{3, 6^2, 15, 30^2\})$	264
30	$\mathcal{O}(0; \{2, 10, 15^2, 30^2\})$	1224
30	$\mathcal{O}(0; \{2^3, 5, 30^3\})$	104
30	$\mathcal{O}(0; \{3, 5, 6, 30^3\})$	520
30	$\mathcal{O}(0; \{2, 10^2, 30^3\})$	408
30	$\mathcal{O}(0; \{3^2, 30^4\})$	1144
30	$\mathcal{O}(0; \{2, 6, 30^4\})$	520
32	$\mathcal{O}(2; \{2^2\})$	983040
32	$\mathcal{O}(1; \{2^6\})$	768
32	$\mathcal{O}(1; \{2^3, 4^2\})$	1536
32	$\mathcal{O}(1; \{4^4\})$	6144
32	$\mathcal{O}(1; \{2, 4, 8^2\})$	6144
32	$\mathcal{O}(0; \{2, 4, 8, 16, 32^2\})$	1024
33	$\mathcal{O}(1; \{33^3\})$	196020

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
33	$\mathcal{O}(0; \{3^3, 33^3\})$	1980
34	$\mathcal{O}(1; \{17^3\})$	208080
34	$\mathcal{O}(0; \{2^4, 17^3\})$	240
34	$\mathcal{O}(0; \{2^2, 17^2, 34^2\})$	3856
34	$\mathcal{O}(0; \{17, 34^4\})$	61680
35	$\mathcal{O}(1; \{5, 35^2\})$	88200
35	$\mathcal{O}(0; \{7, 35^4\})$	57720
36	$\mathcal{O}(1; \{3^4\})$	5184
36	$\mathcal{O}(1; \{2, 3^2, 6\})$	1728
36	$\mathcal{O}(1; \{2^2, 6^2\})$	1728
36	$\mathcal{O}(1; \{9^3\})$	17496
36	$\mathcal{O}(1; \{6, 12^2\})$	4608
36	$\mathcal{O}(1; \{6, 9, 18\})$	11664
36	$\mathcal{O}(1; \{4, 18, 36\})$	15552
36	$\mathcal{O}(0; \{2, 4^2, 9^3\})$	36
36	$\mathcal{O}(0; \{3^2, 4^2, 9, 18\})$	48
36	$\mathcal{O}(0; \{2, 4^2, 6, 9, 18\})$	24
36	$\mathcal{O}(0; \{2, 3, 4, 9, 12, 18\})$	48
36	$\mathcal{O}(0; \{2^2, 9, 12^2, 18\})$	48
36	$\mathcal{O}(0; \{12^2, 18^3\})$	144
36	$\mathcal{O}(0; \{2, 3, 4, 9^2, 36\})$	72
36	$\mathcal{O}(0; \{2^2, 9^2, 12, 36\})$	72
36	$\mathcal{O}(0; \{2^4, 4, 18, 36\})$	12
36	$\mathcal{O}(0; \{3^3, 4, 18, 36\})$	96
36	$\mathcal{O}(0; \{2, 4^3, 18, 36\})$	48
36	$\mathcal{O}(0; \{2, 3, 4, 6, 18, 36\})$	48
36	$\mathcal{O}(0; \{2, 3^2, 12, 18, 36\})$	96
36	$\mathcal{O}(0; \{2^2, 6, 12, 18, 36\})$	48
36	$\mathcal{O}(0; \{12^3, 18, 36\})$	384
36	$\mathcal{O}(0; \{9, 12, 18^2, 36\})$	648
36	$\mathcal{O}(0; \{2, 3^2, 9, 36^2\})$	144
36	$\mathcal{O}(0; \{2^2, 6, 9, 36^2\})$	72
36	$\mathcal{O}(0; \{9, 12^2, 36^2\})$	576
36	$\mathcal{O}(0; \{9^2, 18, 36^2\})$	1620
36	$\mathcal{O}(0; \{6, 18^2, 36^2\})$	648
36	$\mathcal{O}(0; \{2^2, 4, 36^3\})$	144
36	$\mathcal{O}(0; \{6, 12, 36^3\})$	576
39	$\mathcal{O}(0; \{3, 13^2, 39^2\})$	3192
40	$\mathcal{O}(1; \{5^3\})$	14400
40	$\mathcal{O}(1; \{2, 20^2\})$	9600
40	$\mathcal{O}(0; \{5, 8^2, 10, 20\})$	96
40	$\mathcal{O}(0; \{4, 8^2, 20^2\})$	128
40	$\mathcal{O}(0; \{2^2, 4, 5, 8, 40\})$	32

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
40	$\mathcal{O}(0; \{5, 8^3, 40\})$	256
40	$\mathcal{O}(0; \{4, 8, 10^2, 40\})$	96
40	$\mathcal{O}(0; \{5^2, 8, 20, 40\})$	416
40	$\mathcal{O}(0; \{4, 5, 10, 40^2\})$	416
40	$\mathcal{O}(0; \{2^3, 20, 40^2\})$	96
40	$\mathcal{O}(0; \{4^2, 20, 40^2\})$	384
40	$\mathcal{O}(0; \{2, 40^4\})$	3328
42	$\mathcal{O}(1; \{2, 7, 14\})$	9408
42	$\mathcal{O}(0; \{2, 3^3, 7, 14\})$	12
42	$\mathcal{O}(0; \{2^2, 3, 6, 7, 14\})$	12
42	$\mathcal{O}(0; \{6^3, 7, 14\})$	12
42	$\mathcal{O}(0; \{3, 6, 14^3\})$	60
42	$\mathcal{O}(0; \{2, 14, 21^3\})$	372
42	$\mathcal{O}(0; \{3, 7^2, 14, 42\})$	372
42	$\mathcal{O}(0; \{2^3, 7, 21, 42\})$	60
42	$\mathcal{O}(0; \{3, 6, 7, 21, 42\})$	180
42	$\mathcal{O}(0; \{2, 14^2, 21, 42\})$	372
42	$\mathcal{O}(0; \{2^2, 3^2, 42^2\})$	36
42	$\mathcal{O}(0; \{2^3, 6, 42^2\})$	12
42	$\mathcal{O}(0; \{3, 6^2, 42^2\})$	60
42	$\mathcal{O}(0; \{2, 7, 42^3\})$	372
44	$\mathcal{O}(0; \{2^3, 4, 22, 44\})$	20
44	$\mathcal{O}(0; \{4^3, 22, 44\})$	80
44	$\mathcal{O}(0; \{2, 4, 44^3\})$	720
45	$\mathcal{O}(0; \{3, 5^2, 9, 45\})$	144
45	$\mathcal{O}(0; \{3^2, 9, 15, 45\})$	192
48	$\mathcal{O}(2; \emptyset)$	4915200
48	$\mathcal{O}(1; \{2^4\})$	1536
48	$\mathcal{O}(1; \{3^3\})$	3456
48	$\mathcal{O}(1; \{2, 4^2\})$	3072
48	$\mathcal{O}(1; \{2, 3, 6\})$	3456
48	$\mathcal{O}(0; \{2, 3, 16^2, 24\})$	64
48	$\mathcal{O}(0; \{3^2, 4, 16, 48\})$	32
48	$\mathcal{O}(0; \{2, 4, 6, 16, 48\})$	32
48	$\mathcal{O}(0; \{2, 3, 12, 16, 48\})$	32
48	$\mathcal{O}(0; \{2, 3, 8, 48^2\})$	64
49	$\mathcal{O}(1; \{49^2\})$	100842
50	$\mathcal{O}(1; \{25^2\})$	37500
50	$\mathcal{O}(0; \{2^4, 25^2\})$	20
50	$\mathcal{O}(0; \{2^2, 25, 50^2\})$	300
50	$\mathcal{O}(0; \{50^4\})$	6500
51	$\mathcal{O}(1; \{17^2\})$	36992
51	$\mathcal{O}(0; \{3^3, 17^2\})$	32

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
51	$\mathcal{O}(0; \{17, 51^3\})$	7712
52	$\mathcal{O}(1; \{13^2\})$	24336
52	$\mathcal{O}(0; \{2, 4^2, 13^2\})$	24
52	$\mathcal{O}(0; \{13, 26, 52^2\})$	3192
54	$\mathcal{O}(1; \{9^2\})$	11664
54	$\mathcal{O}(0; \{2, 3^2, 27, 54\})$	72
54	$\mathcal{O}(0; \{2^2, 6, 27, 54\})$	36
54	$\mathcal{O}(0; \{9, 18, 27, 54\})$	648
54	$\mathcal{O}(0; \{6, 54^3\})$	324
55	$\mathcal{O}(0; \{5, 55^3\})$	4680
56	$\mathcal{O}(1; \{7^2\})$	14112
56	$\mathcal{O}(0; \{2^2, 7, 8, 56\})$	24
56	$\mathcal{O}(0; \{8, 14^2, 56\})$	120
56	$\mathcal{O}(0; \{2^2, 4, 56^2\})$	48
56	$\mathcal{O}(0; \{8^2, 56^2\})$	384
60	$\mathcal{O}(1; \{5^2\})$	9600
60	$\mathcal{O}(0; \{6, 10, 12, 20\})$	16
60	$\mathcal{O}(0; \{5, 12, 15, 20\})$	48
60	$\mathcal{O}(0; \{5, 12^2, 30\})$	16
60	$\mathcal{O}(0; \{4, 15, 20, 30\})$	48
60	$\mathcal{O}(0; \{4, 12, 30^2\})$	16
60	$\mathcal{O}(0; \{5, 10, 12, 60\})$	48
60	$\mathcal{O}(0; \{4, 15^2, 60\})$	48
60	$\mathcal{O}(0; \{2^2, 3, 20, 60\})$	16
60	$\mathcal{O}(0; \{6^2, 20, 60\})$	16
60	$\mathcal{O}(0; \{4, 12, 20, 60\})$	64
60	$\mathcal{O}(0; \{4, 10, 30, 60\})$	48
60	$\mathcal{O}(0; \{5, 6, 60^2\})$	48
60	$\mathcal{O}(0; \{3, 30, 60^2\})$	144
63	$\mathcal{O}(0; \{3, 9, 63^2\})$	216
64	$\mathcal{O}(1; \{4^2\})$	6144
66	$\mathcal{O}(0; \{2^3, 33, 66\})$	20
66	$\mathcal{O}(0; \{3, 6, 33, 66\})$	60
66	$\mathcal{O}(0; \{2, 66^3\})$	180
68	$\mathcal{O}(0; \{4^2, 17, 34\})$	32
68	$\mathcal{O}(0; \{2, 17, 68^2\})$	480
70	$\mathcal{O}(0; \{2, 14, 35^2\})$	120
70	$\mathcal{O}(0; \{2, 10, 70^2\})$	72
72	$\mathcal{O}(1; \{3^2\})$	6912
72	$\mathcal{O}(0; \{2, 9, 24, 72\})$	48
72	$\mathcal{O}(0; \{2, 8, 36, 72\})$	48
75	$\mathcal{O}(0; \{3^2, 25, 75\})$	40
78	$\mathcal{O}(0; \{2, 6, 13, 39\})$	24

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
84	$\mathcal{O}(0; \{2, 3, 84^2\})$	24
96	$\mathcal{O}(1; \{2^2\})$	6144
98	$\mathcal{O}(0; \{2^2, 98^2\})$	42
99	$\mathcal{O}(0; \{99^3\})$	1620
100	$\mathcal{O}(0; \{50, 100^2\})$	600
102	$\mathcal{O}(0; \{34, 51, 102\})$	480
105	$\mathcal{O}(0; \{21, 35, 105\})$	240
105	$\mathcal{O}(0; \{15, 105^2\})$	144
108	$\mathcal{O}(0; \{12, 54, 108\})$	72
110	$\mathcal{O}(0; \{10, 55, 110\})$	120
112	$\mathcal{O}(0; \{14, 16, 112\})$	48
112	$\mathcal{O}(0; \{8, 112^2\})$	192
120	$\mathcal{O}(0; \{8, 15, 120\})$	32
120	$\mathcal{O}(0; \{6, 40, 120\})$	32
132	$\mathcal{O}(0; \{4, 66, 132\})$	40
147	$\mathcal{O}(0; \{3, 147^2\})$	84
150	$\mathcal{O}(0; \{3, 50, 150\})$	40
196	$\mathcal{O}(0; \{2, 196^2\})$	84
198	$\mathcal{O}(0; \{2, 99, 198\})$	60

Table 10: 50-admissible orbifolds.

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(50; \emptyset)$	1
2	$\mathcal{O}(25; \{2^2\})$	1125899906842624
2	$\mathcal{O}(24; \{2^6\})$	281474976710656
2	$\mathcal{O}(23; \{2^{10}\})$	70368744177664
2	$\mathcal{O}(22; \{2^{14}\})$	17592186044416
2	$\mathcal{O}(21; \{2^{18}\})$	4398046511104
2	$\mathcal{O}(20; \{2^{22}\})$	1099511627776
2	$\mathcal{O}(19; \{2^{26}\})$	274877906944
2	$\mathcal{O}(18; \{2^{30}\})$	68719476736
2	$\mathcal{O}(17; \{2^{34}\})$	17179869184
2	$\mathcal{O}(16; \{2^{38}\})$	4294967296
2	$\mathcal{O}(15; \{2^{42}\})$	1073741824
2	$\mathcal{O}(14; \{2^{46}\})$	268435456
2	$\mathcal{O}(13; \{2^{50}\})$	67108864
2	$\mathcal{O}(12; \{2^{54}\})$	16777216
2	$\mathcal{O}(11; \{2^{58}\})$	4194304
2	$\mathcal{O}(10; \{2^{62}\})$	1048576

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
2	$\mathcal{O}(9; \{2^{66}\})$	262144
2	$\mathcal{O}(8; \{2^{70}\})$	65536
2	$\mathcal{O}(7; \{2^{74}\})$	16384
2	$\mathcal{O}(6; \{2^{78}\})$	4096
2	$\mathcal{O}(5; \{2^{82}\})$	1024
2	$\mathcal{O}(4; \{2^{86}\})$	256
2	$\mathcal{O}(3; \{2^{90}\})$	64
2	$\mathcal{O}(2; \{2^{94}\})$	16
2	$\mathcal{O}(1; \{2^{98}\})$	4
2	$\mathcal{O}(0; \{2^{102}\})$	1
3	$\mathcal{O}(16; \{3^4\})$	11118121133111046
3	$\mathcal{O}(15; \{3^7\})$	8647427547975258
3	$\mathcal{O}(14; \{3^{10}\})$	7823863019596662
3	$\mathcal{O}(13; \{3^{13}\})$	6939293711338170
3	$\mathcal{O}(12; \{3^{16}\})$	6169955653963926
3	$\mathcal{O}(11; \{3^{19}\})$	5484216739388058
3	$\mathcal{O}(10; \{3^{22}\})$	4874880244606902
3	$\mathcal{O}(9; \{3^{25}\})$	4333224559572090
3	$\mathcal{O}(8; \{3^{28}\})$	3851755422344406
3	$\mathcal{O}(7; \{3^{31}\})$	3423782568941658
3	$\mathcal{O}(6; \{3^{34}\})$	3043362286692342
3	$\mathcal{O}(5; \{3^{37}\})$	2705210921150010
3	$\mathcal{O}(4; \{3^{40}\})$	2404631929950486
3	$\mathcal{O}(3; \{3^{43}\})$	2137450604396058
3	$\mathcal{O}(2; \{3^{46}\})$	1899956092796982
3	$\mathcal{O}(1; \{3^{49}\})$	1688849860263930
3	$\mathcal{O}(0; \{3^{52}\})$	1501199875790166
4	$\mathcal{O}(12; \{2^2, 4^2\})$	562949953421312
4	$\mathcal{O}(11; \{2^6, 4^2\})$	35184372088832
4	$\mathcal{O}(11; \{2^3, 4^4\})$	140737488355328
4	$\mathcal{O}(11; \{4^6\})$	562949953421312
4	$\mathcal{O}(10; \{2^{10}, 4^2\})$	2199023255552
4	$\mathcal{O}(10; \{2^7, 4^4\})$	8796093022208
4	$\mathcal{O}(10; \{2^4, 4^6\})$	35184372088832
4	$\mathcal{O}(10; \{2, 4^8\})$	140737488355328
4	$\mathcal{O}(9; \{2^{14}, 4^2\})$	137438953472
4	$\mathcal{O}(9; \{2^{11}, 4^4\})$	549755813888
4	$\mathcal{O}(9; \{2^8, 4^6\})$	2199023255552
4	$\mathcal{O}(9; \{2^5, 4^8\})$	8796093022208
4	$\mathcal{O}(9; \{2^2, 4^{10}\})$	35184372088832
4	$\mathcal{O}(8; \{2^{18}, 4^2\})$	8589934592
4	$\mathcal{O}(8; \{2^{15}, 4^4\})$	34359738368
4	$\mathcal{O}(8; \{2^{12}, 4^6\})$	137438953472

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Table 10 – continued from previous page

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

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(4; \{2, 4^{24}\})$	549755813888
4	$\mathcal{O}(3; \{2^{38}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{35}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{32}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^{29}, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^{26}, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^{23}, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{2^{20}, 4^{14}\})$	33554432
4	$\mathcal{O}(3; \{2^{17}, 4^{16}\})$	134217728
4	$\mathcal{O}(3; \{2^{14}, 4^{18}\})$	536870912
4	$\mathcal{O}(3; \{2^{11}, 4^{20}\})$	2147483648
4	$\mathcal{O}(3; \{2^8, 4^{22}\})$	8589934592
4	$\mathcal{O}(3; \{2^5, 4^{24}\})$	34359738368
4	$\mathcal{O}(3; \{2^2, 4^{26}\})$	137438953472
4	$\mathcal{O}(2; \{2^{42}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{39}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{36}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{33}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{30}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^{27}, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^{24}, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2^{21}, 4^{16}\})$	8388608
4	$\mathcal{O}(2; \{2^{18}, 4^{18}\})$	33554432
4	$\mathcal{O}(2; \{2^{15}, 4^{20}\})$	134217728
4	$\mathcal{O}(2; \{2^{12}, 4^{22}\})$	536870912
4	$\mathcal{O}(2; \{2^9, 4^{24}\})$	2147483648
4	$\mathcal{O}(2; \{2^6, 4^{26}\})$	8589934592
4	$\mathcal{O}(2; \{2^3, 4^{28}\})$	34359738368
4	$\mathcal{O}(2; \{4^{30}\})$	137438953472
4	$\mathcal{O}(1; \{2^{46}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{43}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{40}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{37}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{34}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{31}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^{28}, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^{25}, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^{22}, 4^{18}\})$	2097152
4	$\mathcal{O}(1; \{2^{19}, 4^{20}\})$	8388608
4	$\mathcal{O}(1; \{2^{16}, 4^{22}\})$	33554432
4	$\mathcal{O}(1; \{2^{13}, 4^{24}\})$	134217728
4	$\mathcal{O}(1; \{2^{10}, 4^{26}\})$	536870912
4	$\mathcal{O}(1; \{2^7, 4^{28}\})$	2147483648

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(1; \{2^4, 4^{30}\})$	8589934592
4	$\mathcal{O}(1; \{2, 4^{32}\})$	34359738368
4	$\mathcal{O}(0; \{2^{50}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{47}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{44}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{41}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{38}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{35}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{32}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^{29}, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^{26}, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^{23}, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{2^{20}, 4^{22}\})$	2097152
4	$\mathcal{O}(0; \{2^{17}, 4^{24}\})$	8388608
4	$\mathcal{O}(0; \{2^{14}, 4^{26}\})$	33554432
4	$\mathcal{O}(0; \{2^{11}, 4^{28}\})$	134217728
4	$\mathcal{O}(0; \{2^8, 4^{30}\})$	536870912
4	$\mathcal{O}(0; \{2^5, 4^{32}\})$	2147483648
4	$\mathcal{O}(0; \{2^2, 4^{34}\})$	8589934592
5	$\mathcal{O}(10; \{5^2\})$	381469726562500
5	$\mathcal{O}(8; \{5^7\})$	499877929687500
5	$\mathcal{O}(6; \{5^{12}\})$	819200195312500
5	$\mathcal{O}(4; \{5^{17}\})$	1342177279687500
5	$\mathcal{O}(2; \{5^{22}\})$	2199023255552500
5	$\mathcal{O}(0; \{5^{27}\})$	3602879701896396
6	$\mathcal{O}(8; \{2^2, 3^2\})$	5642219814912
6	$\mathcal{O}(8; \{3, 6^2\})$	5642219814912
6	$\mathcal{O}(7; \{2^6, 3^2\})$	156728328192
6	$\mathcal{O}(7; \{2^2, 3^5\})$	783641640960
6	$\mathcal{O}(7; \{2^3, 3^3, 6\})$	470184984576
6	$\mathcal{O}(7; \{2^4, 3, 6^2\})$	156728328192
6	$\mathcal{O}(7; \{3^4, 6^2\})$	1724011610112
6	$\mathcal{O}(7; \{2, 3^2, 6^3\})$	783641640960
6	$\mathcal{O}(7; \{2^2, 6^4\})$	470184984576
6	$\mathcal{O}(6; \{2^{10}, 3^2\})$	4353564672
6	$\mathcal{O}(6; \{2^6, 3^5\})$	21767823360
6	$\mathcal{O}(6; \{2^2, 3^8\})$	187203280896
6	$\mathcal{O}(6; \{2^7, 3^3, 6\})$	13060694016
6	$\mathcal{O}(6; \{2^3, 3^6, 6\})$	91424858112
6	$\mathcal{O}(6; \{2^8, 3, 6^2\})$	4353564672
6	$\mathcal{O}(6; \{2^4, 3^4, 6^2\})$	47889211392
6	$\mathcal{O}(6; \{3^7, 6^2\})$	370052997120
6	$\mathcal{O}(6; \{2^5, 3^2, 6^3\})$	21767823360

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(6; \{2, 3^5, 6^3\})$	187203280896
6	$\mathcal{O}(6; \{2^6, 6^4\})$	13060694016
6	$\mathcal{O}(6; \{2^2, 3^3, 6^4\})$	91424858112
6	$\mathcal{O}(6; \{2^3, 3, 6^5\})$	47889211392
6	$\mathcal{O}(6; \{3^2, 6^6\})$	187203280896
6	$\mathcal{O}(6; \{2, 6^7\})$	91424858112
6	$\mathcal{O}(5; \{2^{14}, 3^2\})$	120932352
6	$\mathcal{O}(5; \{2^{10}, 3^5\})$	604661760
6	$\mathcal{O}(5; \{2^6, 3^8\})$	5200091136
6	$\mathcal{O}(5; \{2^2, 3^{11}\})$	41237932032
6	$\mathcal{O}(5; \{2^{11}, 3^3, 6\})$	362797056
6	$\mathcal{O}(5; \{2^7, 3^6, 6\})$	2539579392
6	$\mathcal{O}(5; \{2^3, 3^9, 6\})$	20679432192
6	$\mathcal{O}(5; \{2^{12}, 3, 6^2\})$	120932352
6	$\mathcal{O}(5; \{2^8, 3^4, 6^2\})$	1330255872
6	$\mathcal{O}(5; \{2^4, 3^7, 6^2\})$	10279249920
6	$\mathcal{O}(5; \{3^{10}, 6^2\})$	82596796416
6	$\mathcal{O}(5; \{2^9, 3^2, 6^3\})$	604661760
6	$\mathcal{O}(5; \{2^5, 3^5, 6^3\})$	5200091136
6	$\mathcal{O}(5; \{2, 3^8, 6^3\})$	41237932032
6	$\mathcal{O}(5; \{2^{10}, 6^4\})$	362797056
6	$\mathcal{O}(5; \{2^6, 3^3, 6^4\})$	2539579392
6	$\mathcal{O}(5; \{2^2, 3^6, 6^4\})$	20679432192
6	$\mathcal{O}(5; \{2^7, 3, 6^5\})$	1330255872
6	$\mathcal{O}(5; \{2^3, 3^4, 6^5\})$	10279249920
6	$\mathcal{O}(5; \{2^4, 3^2, 6^6\})$	5200091136
6	$\mathcal{O}(5; \{3^5, 6^6\})$	41237932032
6	$\mathcal{O}(5; \{2^5, 6^7\})$	2539579392
6	$\mathcal{O}(5; \{2, 3^3, 6^7\})$	20679432192
6	$\mathcal{O}(5; \{2^2, 3, 6^8\})$	10279249920
6	$\mathcal{O}(5; \{6^{10}\})$	20679432192
6	$\mathcal{O}(4; \{2^{18}, 3^2\})$	3359232
6	$\mathcal{O}(4; \{2^{14}, 3^5\})$	16796160
6	$\mathcal{O}(4; \{2^{10}, 3^8\})$	144446976
6	$\mathcal{O}(4; \{2^6, 3^{11}\})$	1145498112
6	$\mathcal{O}(4; \{2^2, 3^{14}\})$	9174062592
6	$\mathcal{O}(4; \{2^{15}, 3^3, 6\})$	10077696
6	$\mathcal{O}(4; \{2^{11}, 3^6, 6\})$	70543872
6	$\mathcal{O}(4; \{2^7, 3^9, 6\})$	574428672
6	$\mathcal{O}(4; \{2^3, 3^{12}, 6\})$	4585351680
6	$\mathcal{O}(4; \{2^{16}, 3, 6^2\})$	3359232
6	$\mathcal{O}(4; \{2^{12}, 3^4, 6^2\})$	36951552
6	$\mathcal{O}(4; \{2^8, 3^7, 6^2\})$	285534720

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(4; \{2^4, 3^{10}, 6^2\})$	2294355456
6	$\mathcal{O}(4; \{3^{13}, 6^2\})$	18344765952
6	$\mathcal{O}(4; \{2^{13}, 3^2, 6^3\})$	16796160
6	$\mathcal{O}(4; \{2^9, 3^5, 6^3\})$	144446976
6	$\mathcal{O}(4; \{2^5, 3^8, 6^3\})$	1145498112
6	$\mathcal{O}(4; \{2, 3^{11}, 6^3\})$	9174062592
6	$\mathcal{O}(4; \{2^{14}, 6^4\})$	10077696
6	$\mathcal{O}(4; \{2^{10}, 3^3, 6^4\})$	70543872
6	$\mathcal{O}(4; \{2^6, 3^6, 6^4\})$	574428672
6	$\mathcal{O}(4; \{2^2, 3^9, 6^4\})$	4585351680
6	$\mathcal{O}(4; \{2^{11}, 3, 6^5\})$	36951552
6	$\mathcal{O}(4; \{2^7, 3^4, 6^5\})$	285534720
6	$\mathcal{O}(4; \{2^3, 3^7, 6^5\})$	2294355456
6	$\mathcal{O}(4; \{2^8, 3^2, 6^6\})$	144446976
6	$\mathcal{O}(4; \{2^4, 3^5, 6^6\})$	1145498112
6	$\mathcal{O}(4; \{3^8, 6^6\})$	9174062592
6	$\mathcal{O}(4; \{2^9, 6^7\})$	70543872
6	$\mathcal{O}(4; \{2^5, 3^3, 6^7\})$	574428672
6	$\mathcal{O}(4; \{2, 3^6, 6^7\})$	4585351680
6	$\mathcal{O}(4; \{2^6, 3, 6^8\})$	285534720
6	$\mathcal{O}(4; \{2^2, 3^4, 6^8\})$	2294355456
6	$\mathcal{O}(4; \{2^3, 3^2, 6^9\})$	1145498112
6	$\mathcal{O}(4; \{2^4, 6^{10}\})$	574428672
6	$\mathcal{O}(4; \{3^3, 6^{10}\})$	4585351680
6	$\mathcal{O}(4; \{2, 3, 6^{11}\})$	2294355456
6	$\mathcal{O}(3; \{2^{22}, 3^2\})$	93312
6	$\mathcal{O}(3; \{2^{18}, 3^5\})$	466560
6	$\mathcal{O}(3; \{2^{14}, 3^8\})$	4012416
6	$\mathcal{O}(3; \{2^{10}, 3^{11}\})$	31819392
6	$\mathcal{O}(3; \{2^6, 3^{14}\})$	254835072
6	$\mathcal{O}(3; \{2^2, 3^{17}\})$	2038400640
6	$\mathcal{O}(3; \{2^{19}, 3^3, 6\})$	279936
6	$\mathcal{O}(3; \{2^{15}, 3^6, 6\})$	1959552
6	$\mathcal{O}(3; \{2^{11}, 3^9, 6\})$	15956352
6	$\mathcal{O}(3; \{2^7, 3^{12}, 6\})$	127370880
6	$\mathcal{O}(3; \{2^3, 3^{15}, 6\})$	1019246976
6	$\mathcal{O}(3; \{2^{20}, 3, 6^2\})$	93312
6	$\mathcal{O}(3; \{2^{16}, 3^4, 6^2\})$	1026432
6	$\mathcal{O}(3; \{2^{12}, 3^7, 6^2\})$	7931520
6	$\mathcal{O}(3; \{2^8, 3^{10}, 6^2\})$	63732096
6	$\mathcal{O}(3; \{2^4, 3^{13}, 6^2\})$	509576832
6	$\mathcal{O}(3; \{3^{16}, 6^2\})$	4076894592
6	$\mathcal{O}(3; \{2^{17}, 3^2, 6^3\})$	466560

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^{13}, 3^5, 6^3\})$	4012416
6	$\mathcal{O}(3; \{2^9, 3^8, 6^3\})$	31819392
6	$\mathcal{O}(3; \{2^5, 3^{11}, 6^3\})$	254835072
6	$\mathcal{O}(3; \{2, 3^{14}, 6^3\})$	2038400640
6	$\mathcal{O}(3; \{2^{18}, 6^4\})$	279936
6	$\mathcal{O}(3; \{2^{14}, 3^3, 6^4\})$	1959552
6	$\mathcal{O}(3; \{2^{10}, 3^6, 6^4\})$	15956352
6	$\mathcal{O}(3; \{2^6, 3^9, 6^4\})$	127370880
6	$\mathcal{O}(3; \{2^2, 3^{12}, 6^4\})$	1019246976
6	$\mathcal{O}(3; \{2^{15}, 3, 6^5\})$	1026432
6	$\mathcal{O}(3; \{2^{11}, 3^4, 6^5\})$	7931520
6	$\mathcal{O}(3; \{2^7, 3^7, 6^5\})$	63732096
6	$\mathcal{O}(3; \{2^3, 3^{10}, 6^5\})$	509576832
6	$\mathcal{O}(3; \{2^{12}, 3^2, 6^6\})$	4012416
6	$\mathcal{O}(3; \{2^8, 3^5, 6^6\})$	31819392
6	$\mathcal{O}(3; \{2^4, 3^8, 6^6\})$	254835072
6	$\mathcal{O}(3; \{3^{11}, 6^6\})$	2038400640
6	$\mathcal{O}(3; \{2^{13}, 6^7\})$	1959552
6	$\mathcal{O}(3; \{2^9, 3^3, 6^7\})$	15956352
6	$\mathcal{O}(3; \{2^5, 3^6, 6^7\})$	127370880
6	$\mathcal{O}(3; \{2, 3^9, 6^7\})$	1019246976
6	$\mathcal{O}(3; \{2^{10}, 3, 6^8\})$	7931520
6	$\mathcal{O}(3; \{2^6, 3^4, 6^8\})$	63732096
6	$\mathcal{O}(3; \{2^2, 3^7, 6^8\})$	509576832
6	$\mathcal{O}(3; \{2^7, 3^2, 6^9\})$	31819392
6	$\mathcal{O}(3; \{2^3, 3^5, 6^9\})$	254835072
6	$\mathcal{O}(3; \{2^8, 6^{10}\})$	15956352
6	$\mathcal{O}(3; \{2^4, 3^3, 6^{10}\})$	127370880
6	$\mathcal{O}(3; \{3^6, 6^{10}\})$	1019246976
6	$\mathcal{O}(3; \{2^5, 3, 6^{11}\})$	63732096
6	$\mathcal{O}(3; \{2, 3^4, 6^{11}\})$	509576832
6	$\mathcal{O}(3; \{2^2, 3^2, 6^{12}\})$	254835072
6	$\mathcal{O}(3; \{2^3, 6^{13}\})$	127370880
6	$\mathcal{O}(3; \{3, 6^{14}\})$	509576832
6	$\mathcal{O}(2; \{2^{26}, 3^2\})$	2592
6	$\mathcal{O}(2; \{2^{22}, 3^5\})$	12960
6	$\mathcal{O}(2; \{2^{18}, 3^8\})$	111456
6	$\mathcal{O}(2; \{2^{14}, 3^{11}\})$	883872
6	$\mathcal{O}(2; \{2^{10}, 3^{14}\})$	7078752
6	$\mathcal{O}(2; \{2^6, 3^{17}\})$	56622240
6	$\mathcal{O}(2; \{2^2, 3^{20}\})$	452985696
6	$\mathcal{O}(2; \{2^{23}, 3^3, 6\})$	7776
6	$\mathcal{O}(2; \{2^{19}, 3^6, 6\})$	54432

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Table 10 – continued from previous page

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

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(2; \{2^7, 3^5, 6^9\})$	7078752
6	$\mathcal{O}(2; \{2^3, 3^8, 6^9\})$	56622240
6	$\mathcal{O}(2; \{2^{12}, 6^{10}\})$	443232
6	$\mathcal{O}(2; \{2^8, 3^3, 6^{10}\})$	3538080
6	$\mathcal{O}(2; \{2^4, 3^6, 6^{10}\})$	28312416
6	$\mathcal{O}(2; \{3^9, 6^{10}\})$	226491552
6	$\mathcal{O}(2; \{2^9, 3, 6^{11}\})$	1770336
6	$\mathcal{O}(2; \{2^5, 3^4, 6^{11}\})$	14154912
6	$\mathcal{O}(2; \{2, 3^7, 6^{11}\})$	113247072
6	$\mathcal{O}(2; \{2^6, 3^2, 6^{12}\})$	7078752
6	$\mathcal{O}(2; \{2^2, 3^5, 6^{12}\})$	56622240
6	$\mathcal{O}(2; \{2^7, 6^{13}\})$	3538080
6	$\mathcal{O}(2; \{2^3, 3^3, 6^{13}\})$	28312416
6	$\mathcal{O}(2; \{2^4, 3, 6^{14}\})$	14154912
6	$\mathcal{O}(2; \{3^4, 6^{14}\})$	113247072
6	$\mathcal{O}(2; \{2, 3^2, 6^{15}\})$	56622240
6	$\mathcal{O}(2; \{2^2, 6^{16}\})$	28312416
6	$\mathcal{O}(1; \{2^{30}, 3^2\})$	72
6	$\mathcal{O}(1; \{2^{26}, 3^5\})$	360
6	$\mathcal{O}(1; \{2^{22}, 3^8\})$	3096
6	$\mathcal{O}(1; \{2^{18}, 3^{11}\})$	24552
6	$\mathcal{O}(1; \{2^{14}, 3^{14}\})$	196632
6	$\mathcal{O}(1; \{2^{10}, 3^{17}\})$	1572840
6	$\mathcal{O}(1; \{2^6, 3^{20}\})$	12582936
6	$\mathcal{O}(1; \{2^2, 3^{23}\})$	100663272
6	$\mathcal{O}(1; \{2^{27}, 3^3, 6\})$	216
6	$\mathcal{O}(1; \{2^{23}, 3^6, 6\})$	1512
6	$\mathcal{O}(1; \{2^{19}, 3^9, 6\})$	12312
6	$\mathcal{O}(1; \{2^{15}, 3^{12}, 6\})$	98280
6	$\mathcal{O}(1; \{2^{11}, 3^{15}, 6\})$	786456
6	$\mathcal{O}(1; \{2^7, 3^{18}, 6\})$	6291432
6	$\mathcal{O}(1; \{2^3, 3^{21}, 6\})$	50331672
6	$\mathcal{O}(1; \{2^{28}, 3, 6^2\})$	72
6	$\mathcal{O}(1; \{2^{24}, 3^4, 6^2\})$	792
6	$\mathcal{O}(1; \{2^{20}, 3^7, 6^2\})$	6120
6	$\mathcal{O}(1; \{2^{16}, 3^{10}, 6^2\})$	49176
6	$\mathcal{O}(1; \{2^{12}, 3^{13}, 6^2\})$	393192
6	$\mathcal{O}(1; \{2^8, 3^{16}, 6^2\})$	3145752
6	$\mathcal{O}(1; \{2^4, 3^{19}, 6^2\})$	25165800
6	$\mathcal{O}(1; \{3^{22}, 6^2\})$	201326616
6	$\mathcal{O}(1; \{2^{25}, 3^2, 6^3\})$	360
6	$\mathcal{O}(1; \{2^{21}, 3^5, 6^3\})$	3096
6	$\mathcal{O}(1; \{2^{17}, 3^8, 6^3\})$	24552

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Table 10 – continued from previous page

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

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^{13}, 3, 6^{11}\})$	49176
6	$\mathcal{O}(1; \{2^9, 3^4, 6^{11}\})$	393192
6	$\mathcal{O}(1; \{2^5, 3^7, 6^{11}\})$	3145752
6	$\mathcal{O}(1; \{2, 3^{10}, 6^{11}\})$	25165800
6	$\mathcal{O}(1; \{2^{10}, 3^2, 6^{12}\})$	196632
6	$\mathcal{O}(1; \{2^6, 3^5, 6^{12}\})$	1572840
6	$\mathcal{O}(1; \{2^2, 3^8, 6^{12}\})$	12582936
6	$\mathcal{O}(1; \{2^{11}, 6^{13}\})$	98280
6	$\mathcal{O}(1; \{2^7, 3^3, 6^{13}\})$	786456
6	$\mathcal{O}(1; \{2^3, 3^6, 6^{13}\})$	6291432
6	$\mathcal{O}(1; \{2^8, 3, 6^{14}\})$	393192
6	$\mathcal{O}(1; \{2^4, 3^4, 6^{14}\})$	3145752
6	$\mathcal{O}(1; \{3^7, 6^{14}\})$	25165800
6	$\mathcal{O}(1; \{2^5, 3^2, 6^{15}\})$	1572840
6	$\mathcal{O}(1; \{2, 3^5, 6^{15}\})$	12582936
6	$\mathcal{O}(1; \{2^6, 6^{16}\})$	786456
6	$\mathcal{O}(1; \{2^2, 3^3, 6^{16}\})$	6291432
6	$\mathcal{O}(1; \{2^3, 3, 6^{17}\})$	3145752
6	$\mathcal{O}(1; \{3^2, 6^{18}\})$	12582936
6	$\mathcal{O}(1; \{2, 6^{19}\})$	6291432
6	$\mathcal{O}(0; \{2^{34}, 3^2\})$	2
6	$\mathcal{O}(0; \{2^{30}, 3^5\})$	10
6	$\mathcal{O}(0; \{2^{26}, 3^8\})$	86
6	$\mathcal{O}(0; \{2^{22}, 3^{11}\})$	682
6	$\mathcal{O}(0; \{2^{18}, 3^{14}\})$	5462
6	$\mathcal{O}(0; \{2^{14}, 3^{17}\})$	43690
6	$\mathcal{O}(0; \{2^{10}, 3^{20}\})$	349526
6	$\mathcal{O}(0; \{2^6, 3^{23}\})$	2796202
6	$\mathcal{O}(0; \{2^2, 3^{26}\})$	22369622
6	$\mathcal{O}(0; \{2^{31}, 3^3, 6\})$	6
6	$\mathcal{O}(0; \{2^{27}, 3^6, 6\})$	42
6	$\mathcal{O}(0; \{2^{23}, 3^9, 6\})$	342
6	$\mathcal{O}(0; \{2^{19}, 3^{12}, 6\})$	2730
6	$\mathcal{O}(0; \{2^{15}, 3^{15}, 6\})$	21846
6	$\mathcal{O}(0; \{2^{11}, 3^{18}, 6\})$	174762
6	$\mathcal{O}(0; \{2^7, 3^{21}, 6\})$	1398102
6	$\mathcal{O}(0; \{2^3, 3^{24}, 6\})$	11184810
6	$\mathcal{O}(0; \{2^{32}, 3, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{28}, 3^4, 6^2\})$	22
6	$\mathcal{O}(0; \{2^{24}, 3^7, 6^2\})$	170
6	$\mathcal{O}(0; \{2^{20}, 3^{10}, 6^2\})$	1366
6	$\mathcal{O}(0; \{2^{16}, 3^{13}, 6^2\})$	10922
6	$\mathcal{O}(0; \{2^{12}, 3^{16}, 6^2\})$	87382

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Table 10 – continued from previous page

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

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Table 10 – continued from previous page

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

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^2, 3, 6^{20}\})$	699050
6	$\mathcal{O}(0; \{6^{22}\})$	1398102
7	$\mathcal{O}(8; \emptyset)$	33232930569600
7	$\mathcal{O}(5; \{7^7\})$	11296185207510
7	$\mathcal{O}(2; \{7^{14}\})$	26878908286986
8	$\mathcal{O}(6; \{2, 8^2\})$	274877906944
8	$\mathcal{O}(5; \{2^5, 8^2\})$	4294967296
8	$\mathcal{O}(5; \{2^2, 4^2, 8^2\})$	17179869184
8	$\mathcal{O}(5; \{4, 8^4\})$	137438953472
8	$\mathcal{O}(4; \{2^9, 8^2\})$	67108864
8	$\mathcal{O}(4; \{2^6, 4^2, 8^2\})$	268435456
8	$\mathcal{O}(4; \{2^3, 4^4, 8^2\})$	1073741824
8	$\mathcal{O}(4; \{4^6, 8^2\})$	4294967296
8	$\mathcal{O}(4; \{2^4, 4, 8^4\})$	2147483648
8	$\mathcal{O}(4; \{2, 4^3, 8^4\})$	8589934592
8	$\mathcal{O}(4; \{2^2, 8^6\})$	17179869184
8	$\mathcal{O}(3; \{2^{13}, 8^2\})$	1048576
8	$\mathcal{O}(3; \{2^{10}, 4^2, 8^2\})$	4194304
8	$\mathcal{O}(3; \{2^7, 4^4, 8^2\})$	16777216
8	$\mathcal{O}(3; \{2^4, 4^6, 8^2\})$	67108864
8	$\mathcal{O}(3; \{2, 4^8, 8^2\})$	268435456
8	$\mathcal{O}(3; \{2^8, 4, 8^4\})$	33554432
8	$\mathcal{O}(3; \{2^5, 4^3, 8^4\})$	134217728
8	$\mathcal{O}(3; \{2^2, 4^5, 8^4\})$	536870912
8	$\mathcal{O}(3; \{2^6, 8^6\})$	268435456
8	$\mathcal{O}(3; \{2^3, 4^2, 8^6\})$	1073741824
8	$\mathcal{O}(3; \{4^4, 8^6\})$	4294967296
8	$\mathcal{O}(3; \{2, 4, 8^8\})$	8589934592
8	$\mathcal{O}(2; \{2^{17}, 8^2\})$	16384
8	$\mathcal{O}(2; \{2^{14}, 4^2, 8^2\})$	65536
8	$\mathcal{O}(2; \{2^{11}, 4^4, 8^2\})$	262144
8	$\mathcal{O}(2; \{2^8, 4^6, 8^2\})$	1048576
8	$\mathcal{O}(2; \{2^5, 4^8, 8^2\})$	4194304
8	$\mathcal{O}(2; \{2^2, 4^{10}, 8^2\})$	16777216
8	$\mathcal{O}(2; \{2^{12}, 4, 8^4\})$	524288
8	$\mathcal{O}(2; \{2^9, 4^3, 8^4\})$	2097152
8	$\mathcal{O}(2; \{2^6, 4^5, 8^4\})$	8388608
8	$\mathcal{O}(2; \{2^3, 4^7, 8^4\})$	33554432
8	$\mathcal{O}(2; \{4^9, 8^4\})$	134217728
8	$\mathcal{O}(2; \{2^{10}, 8^6\})$	4194304
8	$\mathcal{O}(2; \{2^7, 4^2, 8^6\})$	16777216
8	$\mathcal{O}(2; \{2^4, 4^4, 8^6\})$	67108864
8	$\mathcal{O}(2; \{2, 4^6, 8^6\})$	268435456

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(2; \{2^5, 4, 8^8\})$	134217728
8	$\mathcal{O}(2; \{2^2, 4^3, 8^8\})$	536870912
8	$\mathcal{O}(2; \{2^3, 8^{10}\})$	1073741824
8	$\mathcal{O}(2; \{4^2, 8^{10}\})$	4294967296
8	$\mathcal{O}(1; \{2^{21}, 8^2\})$	256
8	$\mathcal{O}(1; \{2^{18}, 4^2, 8^2\})$	1024
8	$\mathcal{O}(1; \{2^{15}, 4^4, 8^2\})$	4096
8	$\mathcal{O}(1; \{2^{12}, 4^6, 8^2\})$	16384
8	$\mathcal{O}(1; \{2^9, 4^8, 8^2\})$	65536
8	$\mathcal{O}(1; \{2^6, 4^{10}, 8^2\})$	262144
8	$\mathcal{O}(1; \{2^3, 4^{12}, 8^2\})$	1048576
8	$\mathcal{O}(1; \{4^{14}, 8^2\})$	4194304
8	$\mathcal{O}(1; \{2^{16}, 4, 8^4\})$	8192
8	$\mathcal{O}(1; \{2^{13}, 4^3, 8^4\})$	32768
8	$\mathcal{O}(1; \{2^{10}, 4^5, 8^4\})$	131072
8	$\mathcal{O}(1; \{2^7, 4^7, 8^4\})$	524288
8	$\mathcal{O}(1; \{2^4, 4^9, 8^4\})$	2097152
8	$\mathcal{O}(1; \{2, 4^{11}, 8^4\})$	8388608
8	$\mathcal{O}(1; \{2^{14}, 8^6\})$	65536
8	$\mathcal{O}(1; \{2^{11}, 4^2, 8^6\})$	262144
8	$\mathcal{O}(1; \{2^8, 4^4, 8^6\})$	1048576
8	$\mathcal{O}(1; \{2^5, 4^6, 8^6\})$	4194304
8	$\mathcal{O}(1; \{2^2, 4^8, 8^6\})$	16777216
8	$\mathcal{O}(1; \{2^9, 4, 8^8\})$	2097152
8	$\mathcal{O}(1; \{2^6, 4^3, 8^8\})$	8388608
8	$\mathcal{O}(1; \{2^3, 4^5, 8^8\})$	33554432
8	$\mathcal{O}(1; \{4^7, 8^8\})$	134217728
8	$\mathcal{O}(1; \{2^7, 8^{10}\})$	16777216
8	$\mathcal{O}(1; \{2^4, 4^2, 8^{10}\})$	67108864
8	$\mathcal{O}(1; \{2, 4^4, 8^{10}\})$	268435456
8	$\mathcal{O}(1; \{2^2, 4, 8^{12}\})$	536870912
8	$\mathcal{O}(1; \{8^{14}\})$	4294967296
8	$\mathcal{O}(0; \{2^{25}, 8^2\})$	4
8	$\mathcal{O}(0; \{2^{22}, 4^2, 8^2\})$	16
8	$\mathcal{O}(0; \{2^{19}, 4^4, 8^2\})$	64
8	$\mathcal{O}(0; \{2^{16}, 4^6, 8^2\})$	256
8	$\mathcal{O}(0; \{2^{13}, 4^8, 8^2\})$	1024
8	$\mathcal{O}(0; \{2^{10}, 4^{10}, 8^2\})$	4096
8	$\mathcal{O}(0; \{2^7, 4^{12}, 8^2\})$	16384
8	$\mathcal{O}(0; \{2^4, 4^{14}, 8^2\})$	65536
8	$\mathcal{O}(0; \{2, 4^{16}, 8^2\})$	262144
8	$\mathcal{O}(0; \{2^{20}, 4, 8^4\})$	128
8	$\mathcal{O}(0; \{2^{17}, 4^3, 8^4\})$	512

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^{14}, 4^5, 8^4\})$	2048
8	$\mathcal{O}(0; \{2^{11}, 4^7, 8^4\})$	8192
8	$\mathcal{O}(0; \{2^8, 4^9, 8^4\})$	32768
8	$\mathcal{O}(0; \{2^5, 4^{11}, 8^4\})$	131072
8	$\mathcal{O}(0; \{2^2, 4^{13}, 8^4\})$	524288
8	$\mathcal{O}(0; \{2^{18}, 8^6\})$	1024
8	$\mathcal{O}(0; \{2^{15}, 4^2, 8^6\})$	4096
8	$\mathcal{O}(0; \{2^{12}, 4^4, 8^6\})$	16384
8	$\mathcal{O}(0; \{2^9, 4^6, 8^6\})$	65536
8	$\mathcal{O}(0; \{2^6, 4^8, 8^6\})$	262144
8	$\mathcal{O}(0; \{2^3, 4^{10}, 8^6\})$	1048576
8	$\mathcal{O}(0; \{4^{12}, 8^6\})$	4194304
8	$\mathcal{O}(0; \{2^{13}, 4, 8^8\})$	32768
8	$\mathcal{O}(0; \{2^{10}, 4^3, 8^8\})$	131072
8	$\mathcal{O}(0; \{2^7, 4^5, 8^8\})$	524288
8	$\mathcal{O}(0; \{2^4, 4^7, 8^8\})$	2097152
8	$\mathcal{O}(0; \{2, 4^9, 8^8\})$	8388608
8	$\mathcal{O}(0; \{2^{11}, 8^{10}\})$	262144
8	$\mathcal{O}(0; \{2^8, 4^2, 8^{10}\})$	1048576
8	$\mathcal{O}(0; \{2^5, 4^4, 8^{10}\})$	4194304
8	$\mathcal{O}(0; \{2^2, 4^6, 8^{10}\})$	16777216
8	$\mathcal{O}(0; \{2^6, 4, 8^{12}\})$	8388608
8	$\mathcal{O}(0; \{2^3, 4^3, 8^{12}\})$	33554432
8	$\mathcal{O}(0; \{4^5, 8^{12}\})$	134217728
8	$\mathcal{O}(0; \{2^4, 8^{14}\})$	67108864
8	$\mathcal{O}(0; \{2, 4^2, 8^{14}\})$	268435456
9	$\mathcal{O}(4; \{3^2, 9^4\})$	27894275208
9	$\mathcal{O}(3; \{3^5, 9^4\})$	2754990144
9	$\mathcal{O}(3; \{3, 9^7\})$	32543321076
9	$\mathcal{O}(2; \{3^8, 9^4\})$	272097792
9	$\mathcal{O}(2; \{3^4, 9^7\})$	3214155168
9	$\mathcal{O}(2; \{9^{10}\})$	44165935746
9	$\mathcal{O}(1; \{3^{11}, 9^4\})$	26873856
9	$\mathcal{O}(1; \{3^7, 9^7\})$	317447424
9	$\mathcal{O}(1; \{3^3, 9^{10}\})$	4362067728
9	$\mathcal{O}(0; \{3^{14}, 9^4\})$	2654208
9	$\mathcal{O}(0; \{3^{10}, 9^7\})$	31352832
9	$\mathcal{O}(0; \{3^6, 9^{10}\})$	430821504
9	$\mathcal{O}(0; \{3^2, 9^{13}\})$	5803335720
10	$\mathcal{O}(5; \{10^2\})$	40000000000
10	$\mathcal{O}(4; \{2, 5^3, 10\})$	5200000000
10	$\mathcal{O}(4; \{2^4, 10^2\})$	400000000
10	$\mathcal{O}(3; \{2^2, 5^6\})$	820000000

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(3; \{2^5, 5^3, 10\})$	52000000
10	$\mathcal{O}(3; \{2^8, 10^2\})$	4000000
10	$\mathcal{O}(3; \{5^5, 10^2\})$	3276000000
10	$\mathcal{O}(3; \{2^3, 5^2, 10^3\})$	204000000
10	$\mathcal{O}(3; \{2, 5, 10^5\})$	820000000
10	$\mathcal{O}(2; \{2^6, 5^6\})$	8200000
10	$\mathcal{O}(2; \{2^9, 5^3, 10\})$	520000
10	$\mathcal{O}(2; \{2, 5^8, 10\})$	524280000
10	$\mathcal{O}(2; \{2^{12}, 10^2\})$	40000
10	$\mathcal{O}(2; \{2^4, 5^5, 10^2\})$	32760000
10	$\mathcal{O}(2; \{2^7, 5^2, 10^3\})$	2040000
10	$\mathcal{O}(2; \{2^2, 5^4, 10^4\})$	131080000
10	$\mathcal{O}(2; \{2^5, 5, 10^5\})$	8200000
10	$\mathcal{O}(2; \{5^3, 10^6\})$	524280000
10	$\mathcal{O}(2; \{2^3, 10^7\})$	32760000
10	$\mathcal{O}(1; \{2^{10}, 5^6\})$	82000
10	$\mathcal{O}(1; \{2^2, 5^{11}\})$	83886000
10	$\mathcal{O}(1; \{2^{13}, 5^3, 10\})$	5200
10	$\mathcal{O}(1; \{2^5, 5^8, 10\})$	5242800
10	$\mathcal{O}(1; \{2^{16}, 10^2\})$	400
10	$\mathcal{O}(1; \{2^8, 5^5, 10^2\})$	327600
10	$\mathcal{O}(1; \{5^{10}, 10^2\})$	335544400
10	$\mathcal{O}(1; \{2^{11}, 5^2, 10^3\})$	20400
10	$\mathcal{O}(1; \{2^3, 5^7, 10^3\})$	20971600
10	$\mathcal{O}(1; \{2^6, 5^4, 10^4\})$	1310800
10	$\mathcal{O}(1; \{2^9, 5, 10^5\})$	82000
10	$\mathcal{O}(1; \{2, 5^6, 10^5\})$	83886000
10	$\mathcal{O}(1; \{2^4, 5^3, 10^6\})$	5242800
10	$\mathcal{O}(1; \{2^7, 10^7\})$	327600
10	$\mathcal{O}(1; \{2^2, 5^2, 10^8\})$	20971600
10	$\mathcal{O}(1; \{5, 10^{10}\})$	83886000
10	$\mathcal{O}(0; \{2^{14}, 5^6\})$	820
10	$\mathcal{O}(0; \{2^6, 5^{11}\})$	838860
10	$\mathcal{O}(0; \{2^{17}, 5^3, 10\})$	52
10	$\mathcal{O}(0; \{2^9, 5^8, 10\})$	52428
10	$\mathcal{O}(0; \{2, 5^{13}, 10\})$	53687092
10	$\mathcal{O}(0; \{2^{20}, 10^2\})$	4
10	$\mathcal{O}(0; \{2^{12}, 5^5, 10^2\})$	3276
10	$\mathcal{O}(0; \{2^4, 5^{10}, 10^2\})$	3355444
10	$\mathcal{O}(0; \{2^{15}, 5^2, 10^3\})$	204
10	$\mathcal{O}(0; \{2^7, 5^7, 10^3\})$	209716
10	$\mathcal{O}(0; \{2^{10}, 5^4, 10^4\})$	13108
10	$\mathcal{O}(0; \{2^2, 5^9, 10^4\})$	13421772

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2^{13}, 5, 10^5\})$	820
10	$\mathcal{O}(0; \{2^5, 5^6, 10^5\})$	838860
10	$\mathcal{O}(0; \{2^8, 5^3, 10^6\})$	52428
10	$\mathcal{O}(0; \{5^8, 10^6\})$	53687092
10	$\mathcal{O}(0; \{2^{11}, 10^7\})$	3276
10	$\mathcal{O}(0; \{2^3, 5^5, 10^7\})$	3355444
10	$\mathcal{O}(0; \{2^6, 5^2, 10^8\})$	209716
10	$\mathcal{O}(0; \{2, 5^4, 10^9\})$	13421772
10	$\mathcal{O}(0; \{2^4, 5, 10^{10}\})$	838860
10	$\mathcal{O}(0; \{2^2, 10^{12}\})$	3355444
11	$\mathcal{O}(0; \{11^{12}\})$	90909090910
12	$\mathcal{O}(3; \{3^4, 4^2\})$	35831808
12	$\mathcal{O}(3; \{2, 3^2, 4^2, 6\})$	11943936
12	$\mathcal{O}(3; \{2^2, 4^2, 6^2\})$	11943936
12	$\mathcal{O}(3; \{2, 3^3, 4, 12\})$	35831808
12	$\mathcal{O}(3; \{2^2, 3, 4, 6, 12\})$	11943936
12	$\mathcal{O}(3; \{4, 6^3, 12\})$	35831808
12	$\mathcal{O}(3; \{2^2, 3^2, 12^2\})$	35831808
12	$\mathcal{O}(3; \{2^3, 6, 12^2\})$	11943936
12	$\mathcal{O}(3; \{4^2, 6, 12^2\})$	47775744
12	$\mathcal{O}(3; \{3, 6^2, 12^2\})$	59719680
12	$\mathcal{O}(3; \{3, 4, 12^3\})$	143327232
12	$\mathcal{O}(3; \{2, 12^4\})$	143327232
12	$\mathcal{O}(2; \{2^4, 3^4, 4^2\})$	248832
12	$\mathcal{O}(2; \{3^7, 4^2\})$	1741824
12	$\mathcal{O}(2; \{2, 3^4, 4^4\})$	995328
12	$\mathcal{O}(2; \{2^5, 3^2, 4^2, 6\})$	82944
12	$\mathcal{O}(2; \{2, 3^5, 4^2, 6\})$	912384
12	$\mathcal{O}(2; \{2^2, 3^2, 4^4, 6\})$	331776
12	$\mathcal{O}(2; \{2^6, 4^2, 6^2\})$	82944
12	$\mathcal{O}(2; \{2^2, 3^3, 4^2, 6^2\})$	414720
12	$\mathcal{O}(2; \{2^3, 4^4, 6^2\})$	331776
12	$\mathcal{O}(2; \{4^6, 6^2\})$	1327104
12	$\mathcal{O}(2; \{2^3, 3, 4^2, 6^3\})$	248832
12	$\mathcal{O}(2; \{3, 4^4, 6^3\})$	995328
12	$\mathcal{O}(2; \{3^2, 4^2, 6^4\})$	912384
12	$\mathcal{O}(2; \{2, 4^2, 6^5\})$	414720
12	$\mathcal{O}(2; \{2^5, 3^3, 4, 12\})$	248832
12	$\mathcal{O}(2; \{2, 3^6, 4, 12\})$	1741824
12	$\mathcal{O}(2; \{2^2, 3^3, 4^3, 12\})$	995328
12	$\mathcal{O}(2; \{2^6, 3, 4, 6, 12\})$	82944
12	$\mathcal{O}(2; \{2^2, 3^4, 4, 6, 12\})$	912384
12	$\mathcal{O}(2; \{2^3, 3, 4^3, 6, 12\})$	331776

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(2; \{3, 4^5, 6, 12\})$	1327104
12	$\mathcal{O}(2; \{2^3, 3^2, 4, 6^2, 12\})$	414720
12	$\mathcal{O}(2; \{3^2, 4^3, 6^2, 12\})$	1658880
12	$\mathcal{O}(2; \{2^4, 4, 6^3, 12\})$	248832
12	$\mathcal{O}(2; \{3^3, 4, 6^3, 12\})$	1741824
12	$\mathcal{O}(2; \{2, 4^3, 6^3, 12\})$	995328
12	$\mathcal{O}(2; \{2, 3, 4, 6^4, 12\})$	912384
12	$\mathcal{O}(2; \{2^6, 3^2, 12^2\})$	248832
12	$\mathcal{O}(2; \{2^2, 3^5, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^3, 3^2, 4^2, 12^2\})$	995328
12	$\mathcal{O}(2; \{3^2, 4^4, 12^2\})$	3981312
12	$\mathcal{O}(2; \{2^7, 6, 12^2\})$	82944
12	$\mathcal{O}(2; \{2^3, 3^3, 6, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^4, 4^2, 6, 12^2\})$	331776
12	$\mathcal{O}(2; \{3^3, 4^2, 6, 12^2\})$	3649536
12	$\mathcal{O}(2; \{2, 4^4, 6, 12^2\})$	1327104
12	$\mathcal{O}(2; \{2^4, 3, 6^2, 12^2\})$	414720
12	$\mathcal{O}(2; \{3^4, 6^2, 12^2\})$	3566592
12	$\mathcal{O}(2; \{2, 3, 4^2, 6^2, 12^2\})$	1658880
12	$\mathcal{O}(2; \{2, 3^2, 6^3, 12^2\})$	1741824
12	$\mathcal{O}(2; \{2^2, 6^4, 12^2\})$	912384
12	$\mathcal{O}(2; \{2^4, 3, 4, 12^3\})$	995328
12	$\mathcal{O}(2; \{3^4, 4, 12^3\})$	6967296
12	$\mathcal{O}(2; \{2, 3, 4^3, 12^3\})$	3981312
12	$\mathcal{O}(2; \{2, 3^2, 4, 6, 12^3\})$	3649536
12	$\mathcal{O}(2; \{2^2, 4, 6^2, 12^3\})$	1658880
12	$\mathcal{O}(2; \{2^5, 12^4\})$	995328
12	$\mathcal{O}(2; \{2, 3^3, 12^4\})$	6967296
12	$\mathcal{O}(2; \{2^2, 4^2, 12^4\})$	3981312
12	$\mathcal{O}(2; \{2^2, 3, 6, 12^4\})$	3649536
12	$\mathcal{O}(2; \{6^3, 12^4\})$	6967296
12	$\mathcal{O}(2; \{4, 6, 12^5\})$	14598144
12	$\mathcal{O}(2; \{3, 12^6\})$	27869184
12	$\mathcal{O}(1; \{2^8, 3^4, 4^2\})$	1728
12	$\mathcal{O}(1; \{2^4, 3^7, 4^2\})$	12096
12	$\mathcal{O}(1; \{3^{10}, 4^2\})$	98496
12	$\mathcal{O}(1; \{2^5, 3^4, 4^4\})$	6912
12	$\mathcal{O}(1; \{2, 3^7, 4^4\})$	48384
12	$\mathcal{O}(1; \{2^2, 3^4, 4^6\})$	27648
12	$\mathcal{O}(1; \{2^9, 3^2, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{2^5, 3^5, 4^2, 6\})$	6336
12	$\mathcal{O}(1; \{2, 3^8, 4^2, 6\})$	48960
12	$\mathcal{O}(1; \{2^6, 3^2, 4^4, 6\})$	2304

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Table 10 – continued from previous page

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

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Table 10 – continued from previous page

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

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Table 10 – continued from previous page

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

Continued on next page

Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 4^3, 6, 12^5\})$	405504
12	$\mathcal{O}(1; \{2, 3, 4, 6^2, 12^5\})$	396288
12	$\mathcal{O}(1; \{2^4, 3, 12^6\})$	193536
12	$\mathcal{O}(1; \{3^4, 12^6\})$	1575936
12	$\mathcal{O}(1; \{2, 3, 4^2, 12^6\})$	774144
12	$\mathcal{O}(1; \{2, 3^2, 6, 12^6\})$	783360
12	$\mathcal{O}(1; \{2^2, 6^2, 12^6\})$	396288
12	$\mathcal{O}(1; \{2^2, 4, 12^7\})$	774144
12	$\mathcal{O}(1; \{6, 12^8\})$	3133440
12	$\mathcal{O}(0; \{2^{12}, 3^4, 4^2\})$	12
12	$\mathcal{O}(0; \{2^8, 3^7, 4^2\})$	84
12	$\mathcal{O}(0; \{2^4, 3^{10}, 4^2\})$	684
12	$\mathcal{O}(0; \{3^{13}, 4^2\})$	5460
12	$\mathcal{O}(0; \{2^9, 3^4, 4^4\})$	48
12	$\mathcal{O}(0; \{2^5, 3^7, 4^4\})$	336
12	$\mathcal{O}(0; \{2, 3^{10}, 4^4\})$	2736
12	$\mathcal{O}(0; \{2^6, 3^4, 4^6\})$	192
12	$\mathcal{O}(0; \{2^2, 3^7, 4^6\})$	1344
12	$\mathcal{O}(0; \{2^3, 3^4, 4^8\})$	768
12	$\mathcal{O}(0; \{3^4, 4^{10}\})$	3072
12	$\mathcal{O}(0; \{2^{13}, 3^2, 4^2, 6\})$	4
12	$\mathcal{O}(0; \{2^9, 3^5, 4^2, 6\})$	44
12	$\mathcal{O}(0; \{2^5, 3^8, 4^2, 6\})$	340
12	$\mathcal{O}(0; \{2, 3^{11}, 4^2, 6\})$	2732
12	$\mathcal{O}(0; \{2^{10}, 3^2, 4^4, 6\})$	16
12	$\mathcal{O}(0; \{2^6, 3^5, 4^4, 6\})$	176
12	$\mathcal{O}(0; \{2^2, 3^8, 4^4, 6\})$	1360
12	$\mathcal{O}(0; \{2^7, 3^2, 4^6, 6\})$	64
12	$\mathcal{O}(0; \{2^3, 3^5, 4^6, 6\})$	704
12	$\mathcal{O}(0; \{2^4, 3^2, 4^8, 6\})$	256
12	$\mathcal{O}(0; \{3^5, 4^8, 6\})$	2816
12	$\mathcal{O}(0; \{2, 3^2, 4^{10}, 6\})$	1024
12	$\mathcal{O}(0; \{2^{14}, 4^2, 6^2\})$	4
12	$\mathcal{O}(0; \{2^{10}, 3^3, 4^2, 6^2\})$	20
12	$\mathcal{O}(0; \{2^6, 3^6, 4^2, 6^2\})$	172
12	$\mathcal{O}(0; \{2^2, 3^9, 4^2, 6^2\})$	1364
12	$\mathcal{O}(0; \{2^{11}, 4^4, 6^2\})$	16
12	$\mathcal{O}(0; \{2^7, 3^3, 4^4, 6^2\})$	80
12	$\mathcal{O}(0; \{2^3, 3^6, 4^4, 6^2\})$	688
12	$\mathcal{O}(0; \{2^8, 4^6, 6^2\})$	64
12	$\mathcal{O}(0; \{2^4, 3^3, 4^6, 6^2\})$	320
12	$\mathcal{O}(0; \{3^6, 4^6, 6^2\})$	2752
12	$\mathcal{O}(0; \{2^5, 4^8, 6^2\})$	256

Continued on next page

Table 10 – continued from previous page

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

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Table 10 – continued from previous page

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

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 6^5, 12\})$	172
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 6^5, 12\})$	1364
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6^5, 12\})$	688
12	$\mathcal{O}(0; \{3^2, 4^5, 6^5, 12\})$	2752
12	$\mathcal{O}(0; \{2^7, 4, 6^6, 12\})$	84
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^6, 12\})$	684
12	$\mathcal{O}(0; \{2^4, 4^3, 6^6, 12\})$	336
12	$\mathcal{O}(0; \{3^3, 4^3, 6^6, 12\})$	2736
12	$\mathcal{O}(0; \{2, 4^5, 6^6, 12\})$	1344
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^7, 12\})$	340
12	$\mathcal{O}(0; \{3^4, 4, 6^7, 12\})$	2732
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^7, 12\})$	1360
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^8, 12\})$	1364
12	$\mathcal{O}(0; \{2^2, 4, 6^9, 12\})$	684
12	$\mathcal{O}(0; \{2^{14}, 3^2, 12^2\})$	12
12	$\mathcal{O}(0; \{2^{10}, 3^5, 12^2\})$	84
12	$\mathcal{O}(0; \{2^6, 3^8, 12^2\})$	684
12	$\mathcal{O}(0; \{2^2, 3^{11}, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^{11}, 3^2, 4^2, 12^2\})$	48
12	$\mathcal{O}(0; \{2^7, 3^5, 4^2, 12^2\})$	336
12	$\mathcal{O}(0; \{2^3, 3^8, 4^2, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^8, 3^2, 4^4, 12^2\})$	192
12	$\mathcal{O}(0; \{2^4, 3^5, 4^4, 12^2\})$	1344
12	$\mathcal{O}(0; \{3^8, 4^4, 12^2\})$	10944
12	$\mathcal{O}(0; \{2^5, 3^2, 4^6, 12^2\})$	768
12	$\mathcal{O}(0; \{2, 3^5, 4^6, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^2, 3^2, 4^8, 12^2\})$	3072
12	$\mathcal{O}(0; \{2^{15}, 6, 12^2\})$	4
12	$\mathcal{O}(0; \{2^{11}, 3^3, 6, 12^2\})$	44
12	$\mathcal{O}(0; \{2^7, 3^6, 6, 12^2\})$	340
12	$\mathcal{O}(0; \{2^3, 3^9, 6, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{12}, 4^2, 6, 12^2\})$	16
12	$\mathcal{O}(0; \{2^8, 3^3, 4^2, 6, 12^2\})$	176
12	$\mathcal{O}(0; \{2^4, 3^6, 4^2, 6, 12^2\})$	1360
12	$\mathcal{O}(0; \{3^9, 4^2, 6, 12^2\})$	10928
12	$\mathcal{O}(0; \{2^9, 4^4, 6, 12^2\})$	64
12	$\mathcal{O}(0; \{2^5, 3^3, 4^4, 6, 12^2\})$	704
12	$\mathcal{O}(0; \{2, 3^6, 4^4, 6, 12^2\})$	5440
12	$\mathcal{O}(0; \{2^6, 4^6, 6, 12^2\})$	256
12	$\mathcal{O}(0; \{2^2, 3^3, 4^6, 6, 12^2\})$	2816
12	$\mathcal{O}(0; \{2^3, 4^8, 6, 12^2\})$	1024
12	$\mathcal{O}(0; \{4^{10}, 6, 12^2\})$	4096
12	$\mathcal{O}(0; \{2^{12}, 3, 6^2, 12^2\})$	20

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^8, 3^4, 6^2, 12^2\})$	172
12	$\mathcal{O}(0; \{2^4, 3^7, 6^2, 12^2\})$	1364
12	$\mathcal{O}(0; \{3^{10}, 6^2, 12^2\})$	10924
12	$\mathcal{O}(0; \{2^9, 3, 4^2, 6^2, 12^2\})$	80
12	$\mathcal{O}(0; \{2^5, 3^4, 4^2, 6^2, 12^2\})$	688
12	$\mathcal{O}(0; \{2, 3^7, 4^2, 6^2, 12^2\})$	5456
12	$\mathcal{O}(0; \{2^6, 3, 4^4, 6^2, 12^2\})$	320
12	$\mathcal{O}(0; \{2^2, 3^4, 4^4, 6^2, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^3, 3, 4^6, 6^2, 12^2\})$	1280
12	$\mathcal{O}(0; \{3, 4^8, 6^2, 12^2\})$	5120
12	$\mathcal{O}(0; \{2^9, 3^2, 6^3, 12^2\})$	84
12	$\mathcal{O}(0; \{2^5, 3^5, 6^3, 12^2\})$	684
12	$\mathcal{O}(0; \{2, 3^8, 6^3, 12^2\})$	5460
12	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6^3, 12^2\})$	336
12	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6^3, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6^3, 12^2\})$	1344
12	$\mathcal{O}(0; \{3^2, 4^6, 6^3, 12^2\})$	5376
12	$\mathcal{O}(0; \{2^{10}, 6^4, 12^2\})$	44
12	$\mathcal{O}(0; \{2^6, 3^3, 6^4, 12^2\})$	340
12	$\mathcal{O}(0; \{2^2, 3^6, 6^4, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^7, 4^2, 6^4, 12^2\})$	176
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^4, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^4, 4^4, 6^4, 12^2\})$	704
12	$\mathcal{O}(0; \{3^3, 4^4, 6^4, 12^2\})$	5440
12	$\mathcal{O}(0; \{2, 4^6, 6^4, 12^2\})$	2816
12	$\mathcal{O}(0; \{2^7, 3, 6^5, 12^2\})$	172
12	$\mathcal{O}(0; \{2^3, 3^4, 6^5, 12^2\})$	1364
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^5, 12^2\})$	688
12	$\mathcal{O}(0; \{3^4, 4^2, 6^5, 12^2\})$	5456
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^5, 12^2\})$	2752
12	$\mathcal{O}(0; \{2^4, 3^2, 6^6, 12^2\})$	684
12	$\mathcal{O}(0; \{3^5, 6^6, 12^2\})$	5460
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^6, 12^2\})$	2736
12	$\mathcal{O}(0; \{2^5, 6^7, 12^2\})$	340
12	$\mathcal{O}(0; \{2, 3^3, 6^7, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^2, 4^2, 6^7, 12^2\})$	1360
12	$\mathcal{O}(0; \{2^2, 3, 6^8, 12^2\})$	1364
12	$\mathcal{O}(0; \{6^{10}, 12^2\})$	2732
12	$\mathcal{O}(0; \{2^{12}, 3, 4, 12^3\})$	48
12	$\mathcal{O}(0; \{2^8, 3^4, 4, 12^3\})$	336
12	$\mathcal{O}(0; \{2^4, 3^7, 4, 12^3\})$	2736
12	$\mathcal{O}(0; \{3^{10}, 4, 12^3\})$	21840
12	$\mathcal{O}(0; \{2^9, 3, 4^3, 12^3\})$	192

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Table 10 – continued from previous page

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

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Table 10 – continued from previous page

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

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^3, 12^5\})$	10944
12	$\mathcal{O}(0; \{2^3, 4, 6^4, 12^5\})$	5440
12	$\mathcal{O}(0; \{4^3, 6^4, 12^5\})$	21760
12	$\mathcal{O}(0; \{3, 4, 6^5, 12^5\})$	21824
12	$\mathcal{O}(0; \{2^8, 3, 12^6\})$	1344
12	$\mathcal{O}(0; \{2^4, 3^4, 12^6\})$	10944
12	$\mathcal{O}(0; \{3^7, 12^6\})$	87360
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 12^6\})$	5376
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 12^6\})$	43776
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 12^6\})$	21504
12	$\mathcal{O}(0; \{2^5, 3^2, 6, 12^6\})$	5440
12	$\mathcal{O}(0; \{2, 3^5, 6, 12^6\})$	43712
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6, 12^6\})$	21760
12	$\mathcal{O}(0; \{2^6, 6^2, 12^6\})$	2752
12	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^3, 4^2, 6^2, 12^6\})$	11008
12	$\mathcal{O}(0; \{4^4, 6^2, 12^6\})$	44032
12	$\mathcal{O}(0; \{2^3, 3, 6^3, 12^6\})$	10944
12	$\mathcal{O}(0; \{3, 4^2, 6^3, 12^6\})$	43776
12	$\mathcal{O}(0; \{3^2, 6^4, 12^6\})$	43712
12	$\mathcal{O}(0; \{2, 6^5, 12^6\})$	21824
12	$\mathcal{O}(0; \{2^6, 4, 12^7\})$	5376
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 12^7\})$	43776
12	$\mathcal{O}(0; \{2^3, 4^3, 12^7\})$	21504
12	$\mathcal{O}(0; \{4^5, 12^7\})$	86016
12	$\mathcal{O}(0; \{2^3, 3, 4, 6, 12^7\})$	21760
12	$\mathcal{O}(0; \{3, 4^3, 6, 12^7\})$	87040
12	$\mathcal{O}(0; \{3^2, 4, 6^2, 12^7\})$	87296
12	$\mathcal{O}(0; \{2, 4, 6^3, 12^7\})$	43776
12	$\mathcal{O}(0; \{2^3, 3^2, 12^8\})$	43776
12	$\mathcal{O}(0; \{3^2, 4^2, 12^8\})$	175104
12	$\mathcal{O}(0; \{2^4, 6, 12^8\})$	21760
12	$\mathcal{O}(0; \{3^3, 6, 12^8\})$	174848
12	$\mathcal{O}(0; \{2, 4^2, 6, 12^8\})$	87040
12	$\mathcal{O}(0; \{2, 3, 6^2, 12^8\})$	87296
12	$\mathcal{O}(0; \{2, 3, 4, 12^9\})$	175104
12	$\mathcal{O}(0; \{2^2, 12^{10}\})$	175104
13	$\mathcal{O}(2; \{13^6\})$	6560233212
14	$\mathcal{O}(4; \{2^2\})$	1475788800
14	$\mathcal{O}(3; \{2^6\})$	7529472
14	$\mathcal{O}(2; \{2^{10}\})$	38400
14	$\mathcal{O}(2; \{2^3, 7^3, 14\})$	7145376
14	$\mathcal{O}(2; \{2, 7^2, 14^3\})$	42641760

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(1; \{2^{14}\})$	192
14	$\mathcal{O}(1; \{2^2, 7^7\})$	7838040
14	$\mathcal{O}(1; \{2^7, 7^3, 14\})$	36456
14	$\mathcal{O}(1; \{7^6, 14^2\})$	47029416
14	$\mathcal{O}(1; \{2^5, 7^2, 14^3\})$	217560
14	$\mathcal{O}(1; \{2^3, 7, 14^5\})$	1306536
14	$\mathcal{O}(1; \{2, 14^7\})$	7838040
14	$\mathcal{O}(0; \{2^6, 7^7\})$	39990
14	$\mathcal{O}(0; \{2^{11}, 7^3, 14\})$	186
14	$\mathcal{O}(0; \{2^4, 7^6, 14^2\})$	239946
14	$\mathcal{O}(0; \{2^9, 7^2, 14^3\})$	1110
14	$\mathcal{O}(0; \{2^2, 7^5, 14^4\})$	1439670
14	$\mathcal{O}(0; \{2^7, 7, 14^5\})$	6666
14	$\mathcal{O}(0; \{7^4, 14^6\})$	8638026
14	$\mathcal{O}(0; \{2^5, 14^7\})$	39990
15	$\mathcal{O}(3; \{3, 15^2\})$	91125000
15	$\mathcal{O}(2; \{3^2, 5^4\})$	5265000
15	$\mathcal{O}(2; \{3^3, 5^2, 15\})$	3645000
15	$\mathcal{O}(2; \{3^4, 15^2\})$	4455000
15	$\mathcal{O}(2; \{5, 15^4\})$	61965000
15	$\mathcal{O}(1; \{3^5, 5^4\})$	117000
15	$\mathcal{O}(1; \{3^6, 5^2, 15\})$	113400
15	$\mathcal{O}(1; \{3^7, 15^2\})$	153000
15	$\mathcal{O}(1; \{3, 5^5, 15^2\})$	1474200
15	$\mathcal{O}(1; \{3^2, 5^3, 15^3\})$	1845000
15	$\mathcal{O}(1; \{3^3, 5, 15^4\})$	1927800
15	$\mathcal{O}(1; \{15^7\})$	30958200
15	$\mathcal{O}(0; \{3^8, 5^4\})$	4472
15	$\mathcal{O}(0; \{3^2, 5^9\})$	104856
15	$\mathcal{O}(0; \{3^9, 5^2, 15\})$	4104
15	$\mathcal{O}(0; \{3^3, 5^7, 15\})$	78648
15	$\mathcal{O}(0; \{3^{10}, 15^2\})$	5464
15	$\mathcal{O}(0; \{3^4, 5^5, 15^2\})$	72072
15	$\mathcal{O}(0; \{3^5, 5^3, 15^3\})$	70520
15	$\mathcal{O}(0; \{3^6, 5, 15^4\})$	69768
15	$\mathcal{O}(0; \{5^6, 15^4\})$	1258296
15	$\mathcal{O}(0; \{3, 5^4, 15^5\})$	1153416
15	$\mathcal{O}(0; \{3^2, 5^2, 15^6\})$	1127288
15	$\mathcal{O}(0; \{3^3, 15^7\})$	1120392
16	$\mathcal{O}(2; \{2^3, 4, 16^2\})$	1048576
16	$\mathcal{O}(2; \{4^3, 16^2\})$	4194304
16	$\mathcal{O}(2; \{2, 8^2, 16^2\})$	8388608
16	$\mathcal{O}(1; \{2^7, 4, 16^2\})$	4096

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
16	$\mathcal{O}(1; \{2^4, 4^3, 16^2\})$	16384
16	$\mathcal{O}(1; \{2, 4^5, 16^2\})$	65536
16	$\mathcal{O}(1; \{2^5, 8^2, 16^2\})$	32768
16	$\mathcal{O}(1; \{2^2, 4^2, 8^2, 16^2\})$	131072
16	$\mathcal{O}(1; \{4, 8^4, 16^2\})$	1048576
16	$\mathcal{O}(1; \{2^3, 8, 16^4\})$	524288
16	$\mathcal{O}(1; \{4^2, 8, 16^4\})$	2097152
16	$\mathcal{O}(1; \{2, 16^6\})$	8388608
16	$\mathcal{O}(0; \{2^{11}, 4, 16^2\})$	16
16	$\mathcal{O}(0; \{2^8, 4^3, 16^2\})$	64
16	$\mathcal{O}(0; \{2^5, 4^5, 16^2\})$	256
16	$\mathcal{O}(0; \{2^2, 4^7, 16^2\})$	1024
16	$\mathcal{O}(0; \{2^9, 8^2, 16^2\})$	128
16	$\mathcal{O}(0; \{2^6, 4^2, 8^2, 16^2\})$	512
16	$\mathcal{O}(0; \{2^3, 4^4, 8^2, 16^2\})$	2048
16	$\mathcal{O}(0; \{4^6, 8^2, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^4, 4, 8^4, 16^2\})$	4096
16	$\mathcal{O}(0; \{2, 4^3, 8^4, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^2, 8^6, 16^2\})$	32768
16	$\mathcal{O}(0; \{2^7, 8, 16^4\})$	2048
16	$\mathcal{O}(0; \{2^4, 4^2, 8, 16^4\})$	8192
16	$\mathcal{O}(0; \{2, 4^4, 8, 16^4\})$	32768
16	$\mathcal{O}(0; \{2^2, 4, 8^3, 16^4\})$	65536
16	$\mathcal{O}(0; \{8^5, 16^4\})$	524288
16	$\mathcal{O}(0; \{2^5, 16^6\})$	32768
16	$\mathcal{O}(0; \{2^2, 4^2, 16^6\})$	131072
16	$\mathcal{O}(0; \{4, 8^2, 16^6\})$	1048576
17	$\mathcal{O}(2; \{17^4\})$	322056976
18	$\mathcal{O}(2; \{2^2, 3, 9^2\})$	1259712
18	$\mathcal{O}(2; \{6^2, 9^2\})$	2519424
18	$\mathcal{O}(2; \{3, 9, 18^2\})$	3779136
18	$\mathcal{O}(1; \{2^6, 3, 9^2\})$	3888
18	$\mathcal{O}(1; \{2^2, 3^4, 9^2\})$	31104
18	$\mathcal{O}(1; \{2^3, 3^2, 6, 9^2\})$	15552
18	$\mathcal{O}(1; \{2^4, 6^2, 9^2\})$	7776
18	$\mathcal{O}(1; \{3^3, 6^2, 9^2\})$	62208
18	$\mathcal{O}(1; \{2, 3, 6^3, 9^2\})$	31104
18	$\mathcal{O}(1; \{2^2, 9^5\})$	262440
18	$\mathcal{O}(1; \{2, 3^2, 9^3, 18\})$	209952
18	$\mathcal{O}(1; \{2^2, 6, 9^3, 18\})$	104976
18	$\mathcal{O}(1; \{2^4, 3, 9, 18^2\})$	11664
18	$\mathcal{O}(1; \{3^4, 9, 18^2\})$	93312
18	$\mathcal{O}(1; \{2, 3^2, 6, 9, 18^2\})$	46656

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(1; \{2^2, 6^2, 9, 18^2\})$	23328
18	$\mathcal{O}(1; \{9^4, 18^2\})$	1732104
18	$\mathcal{O}(1; \{6, 9^2, 18^3\})$	524880
18	$\mathcal{O}(1; \{2^2, 3, 18^4\})$	104976
18	$\mathcal{O}(1; \{6^2, 18^4\})$	209952
18	$\mathcal{O}(0; \{2^{10}, 3, 9^2\})$	12
18	$\mathcal{O}(0; \{2^6, 3^4, 9^2\})$	96
18	$\mathcal{O}(0; \{2^2, 3^7, 9^2\})$	768
18	$\mathcal{O}(0; \{2^7, 3^2, 6, 9^2\})$	48
18	$\mathcal{O}(0; \{2^3, 3^5, 6, 9^2\})$	384
18	$\mathcal{O}(0; \{2^8, 6^2, 9^2\})$	24
18	$\mathcal{O}(0; \{2^4, 3^3, 6^2, 9^2\})$	192
18	$\mathcal{O}(0; \{3^6, 6^2, 9^2\})$	1536
18	$\mathcal{O}(0; \{2^5, 3, 6^3, 9^2\})$	96
18	$\mathcal{O}(0; \{2, 3^4, 6^3, 9^2\})$	768
18	$\mathcal{O}(0; \{2^2, 3^2, 6^4, 9^2\})$	384
18	$\mathcal{O}(0; \{2^3, 6^5, 9^2\})$	192
18	$\mathcal{O}(0; \{3, 6^6, 9^2\})$	768
18	$\mathcal{O}(0; \{2^6, 9^5\})$	810
18	$\mathcal{O}(0; \{2^2, 3^3, 9^5\})$	6480
18	$\mathcal{O}(0; \{2^3, 3, 6, 9^5\})$	3240
18	$\mathcal{O}(0; \{3^2, 6^2, 9^5\})$	12960
18	$\mathcal{O}(0; \{2, 6^3, 9^5\})$	6480
18	$\mathcal{O}(0; \{2^5, 3^2, 9^3, 18\})$	648
18	$\mathcal{O}(0; \{2, 3^5, 9^3, 18\})$	5184
18	$\mathcal{O}(0; \{2^6, 6, 9^3, 18\})$	324
18	$\mathcal{O}(0; \{2^2, 3^3, 6, 9^3, 18\})$	2592
18	$\mathcal{O}(0; \{2^3, 3, 6^2, 9^3, 18\})$	1296
18	$\mathcal{O}(0; \{3^2, 6^3, 9^3, 18\})$	5184
18	$\mathcal{O}(0; \{2, 6^4, 9^3, 18\})$	2592
18	$\mathcal{O}(0; \{2, 3, 9^6, 18\})$	61236
18	$\mathcal{O}(0; \{2^8, 3, 9, 18^2\})$	36
18	$\mathcal{O}(0; \{2^4, 3^4, 9, 18^2\})$	288
18	$\mathcal{O}(0; \{3^7, 9, 18^2\})$	2304
18	$\mathcal{O}(0; \{2^5, 3^2, 6, 9, 18^2\})$	144
18	$\mathcal{O}(0; \{2, 3^5, 6, 9, 18^2\})$	1152
18	$\mathcal{O}(0; \{2^6, 6^2, 9, 18^2\})$	72
18	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 9, 18^2\})$	576
18	$\mathcal{O}(0; \{2^3, 3, 6^3, 9, 18^2\})$	288
18	$\mathcal{O}(0; \{3^2, 6^4, 9, 18^2\})$	1152
18	$\mathcal{O}(0; \{2, 6^5, 9, 18^2\})$	576
18	$\mathcal{O}(0; \{2^4, 9^4, 18^2\})$	5346
18	$\mathcal{O}(0; \{3^3, 9^4, 18^2\})$	42768

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2, 3, 6, 9^4, 18^2\})$	21384
18	$\mathcal{O}(0; \{2^3, 3^2, 9^2, 18^3\})$	3240
18	$\mathcal{O}(0; \{2^4, 6, 9^2, 18^3\})$	1620
18	$\mathcal{O}(0; \{3^3, 6, 9^2, 18^3\})$	12960
18	$\mathcal{O}(0; \{2, 3, 6^2, 9^2, 18^3\})$	6480
18	$\mathcal{O}(0; \{2^6, 3, 18^4\})$	324
18	$\mathcal{O}(0; \{2^2, 3^4, 18^4\})$	2592
18	$\mathcal{O}(0; \{2^3, 3^2, 6, 18^4\})$	1296
18	$\mathcal{O}(0; \{2^4, 6^2, 18^4\})$	648
18	$\mathcal{O}(0; \{3^3, 6^2, 18^4\})$	5184
18	$\mathcal{O}(0; \{2, 3, 6^3, 18^4\})$	2592
18	$\mathcal{O}(0; \{2^2, 9^3, 18^4\})$	30618
18	$\mathcal{O}(0; \{2, 3^2, 9, 18^5\})$	21384
18	$\mathcal{O}(0; \{2^2, 6, 9, 18^5\})$	10692
18	$\mathcal{O}(0; \{9^2, 18^6\})$	188082
18	$\mathcal{O}(0; \{6, 18^7\})$	61236
20	$\mathcal{O}(2; \{2^2, 20^2\})$	1280000
20	$\mathcal{O}(1; \{2^2, 4^2, 5^3\})$	9600
20	$\mathcal{O}(1; \{4^2, 5^2, 10^2\})$	41600
20	$\mathcal{O}(1; \{4, 5^4, 20\})$	163200
20	$\mathcal{O}(1; \{2^3, 4, 5, 10, 20\})$	9600
20	$\mathcal{O}(1; \{4^3, 5, 10, 20\})$	38400
20	$\mathcal{O}(1; \{2, 4, 10^3, 20\})$	41600
20	$\mathcal{O}(1; \{2^6, 20^2\})$	3200
20	$\mathcal{O}(1; \{2^3, 4^2, 20^2\})$	12800
20	$\mathcal{O}(1; \{4^4, 20^2\})$	51200
20	$\mathcal{O}(1; \{2, 5^2, 10, 20^2\})$	163200
20	$\mathcal{O}(1; \{2, 4, 5, 20^3\})$	166400
20	$\mathcal{O}(0; \{2^6, 4^2, 5^3\})$	24
20	$\mathcal{O}(0; \{2^3, 4^4, 5^3\})$	96
20	$\mathcal{O}(0; \{4^6, 5^3\})$	384
20	$\mathcal{O}(0; \{2, 4^2, 5^5, 10\})$	1640
20	$\mathcal{O}(0; \{2^4, 4^2, 5^2, 10^2\})$	104
20	$\mathcal{O}(0; \{2, 4^4, 5^2, 10^2\})$	416
20	$\mathcal{O}(0; \{2^2, 4^2, 5, 10^4\})$	408
20	$\mathcal{O}(0; \{4^2, 10^6\})$	1640
20	$\mathcal{O}(0; \{2^4, 4, 5^4, 20\})$	408
20	$\mathcal{O}(0; \{2, 4^3, 5^4, 20\})$	1632
20	$\mathcal{O}(0; \{2^7, 4, 5, 10, 20\})$	24
20	$\mathcal{O}(0; \{2^4, 4^3, 5, 10, 20\})$	96
20	$\mathcal{O}(0; \{2, 4^5, 5, 10, 20\})$	384
20	$\mathcal{O}(0; \{2^2, 4, 5^3, 10^2, 20\})$	1640
20	$\mathcal{O}(0; \{2^5, 4, 10^3, 20\})$	104

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^2, 4^3, 10^3, 20\})$	416
20	$\mathcal{O}(0; \{4, 5^2, 10^4, 20\})$	6552
20	$\mathcal{O}(0; \{2^{10}, 20^2\})$	8
20	$\mathcal{O}(0; \{2^7, 4^2, 20^2\})$	32
20	$\mathcal{O}(0; \{2^4, 4^4, 20^2\})$	128
20	$\mathcal{O}(0; \{2, 4^6, 20^2\})$	512
20	$\mathcal{O}(0; \{2^2, 5^5, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^5, 5^2, 10, 20^2\})$	408
20	$\mathcal{O}(0; \{2^2, 4^2, 5^2, 10, 20^2\})$	1632
20	$\mathcal{O}(0; \{5^4, 10^2, 20^2\})$	26216
20	$\mathcal{O}(0; \{2^3, 5, 10^3, 20^2\})$	1640
20	$\mathcal{O}(0; \{4^2, 5, 10^3, 20^2\})$	6560
20	$\mathcal{O}(0; \{2, 10^5, 20^2\})$	6552
20	$\mathcal{O}(0; \{2^5, 4, 5, 20^3\})$	416
20	$\mathcal{O}(0; \{2^2, 4^3, 5, 20^3\})$	1664
20	$\mathcal{O}(0; \{4, 5^3, 10, 20^3\})$	26208
20	$\mathcal{O}(0; \{2^3, 4, 10^2, 20^3\})$	1632
20	$\mathcal{O}(0; \{4^3, 10^2, 20^3\})$	6528
20	$\mathcal{O}(0; \{2^3, 5^2, 20^4\})$	6560
20	$\mathcal{O}(0; \{4^2, 5^2, 20^4\})$	26240
20	$\mathcal{O}(0; \{2, 5, 10^2, 20^4\})$	26208
20	$\mathcal{O}(0; \{2, 4, 10, 20^5\})$	26240
21	$\mathcal{O}(2; \{3^4\})$	1166400
21	$\mathcal{O}(1; \{3^7\})$	18144
21	$\mathcal{O}(1; \{3^3, 7^2, 21\})$	79380
21	$\mathcal{O}(1; \{7, 21^4\})$	2937060
21	$\mathcal{O}(0; \{3^6, 7^2, 21\})$	1260
21	$\mathcal{O}(0; \{3^2, 7^4, 21^2\})$	39996
21	$\mathcal{O}(0; \{3^3, 7, 21^4\})$	46620
21	$\mathcal{O}(0; \{21^7\})$	1679580
22	$\mathcal{O}(0; \{2^2, 11^6\})$	90910
22	$\mathcal{O}(0; \{11^5, 22^2\})$	909090
24	$\mathcal{O}(1; \{2^2, 3^2, 8^2\})$	4608
24	$\mathcal{O}(1; \{3, 6^2, 8^2\})$	4608
24	$\mathcal{O}(1; \{3, 4, 8^2, 12\})$	18432
24	$\mathcal{O}(1; \{2, 8^2, 12^2\})$	18432
24	$\mathcal{O}(1; \{3, 4, 6, 8, 24\})$	9216
24	$\mathcal{O}(1; \{3^2, 8, 12, 24\})$	27648
24	$\mathcal{O}(1; \{2, 6, 8, 12, 24\})$	9216
24	$\mathcal{O}(1; \{2^3, 3, 24^2\})$	4608
24	$\mathcal{O}(1; \{3, 4^2, 24^2\})$	18432
24	$\mathcal{O}(1; \{3^2, 6, 24^2\})$	23040
24	$\mathcal{O}(1; \{2, 6^2, 24^2\})$	13824

Continued on next page

Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(1; \{2, 4, 12, 24^2\})$	18432
24	$\mathcal{O}(0; \{2^6, 3^2, 8^2\})$	8
24	$\mathcal{O}(0; \{2^2, 3^5, 8^2\})$	40
24	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 8^2\})$	32
24	$\mathcal{O}(0; \{3^2, 4^4, 8^2\})$	128
24	$\mathcal{O}(0; \{2^3, 3^3, 6, 8^2\})$	24
24	$\mathcal{O}(0; \{3^3, 4^2, 6, 8^2\})$	96
24	$\mathcal{O}(0; \{2^4, 3, 6^2, 8^2\})$	8
24	$\mathcal{O}(0; \{3^4, 6^2, 8^2\})$	88
24	$\mathcal{O}(0; \{2, 3, 4^2, 6^2, 8^2\})$	32
24	$\mathcal{O}(0; \{2, 3^2, 6^3, 8^2\})$	40
24	$\mathcal{O}(0; \{2^2, 6^4, 8^2\})$	24
24	$\mathcal{O}(0; \{2, 3^2, 4, 8^4\})$	256
24	$\mathcal{O}(0; \{2^4, 3, 4, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{3^4, 4, 8^2, 12\})$	160
24	$\mathcal{O}(0; \{2, 3, 4^3, 8^2, 12\})$	128
24	$\mathcal{O}(0; \{2, 3^2, 4, 6, 8^2, 12\})$	96
24	$\mathcal{O}(0; \{2^2, 4, 6^2, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{2^2, 3, 8^4, 12\})$	256
24	$\mathcal{O}(0; \{6^2, 8^4, 12\})$	256
24	$\mathcal{O}(0; \{2^5, 8^2, 12^2\})$	32
24	$\mathcal{O}(0; \{2, 3^3, 8^2, 12^2\})$	160
24	$\mathcal{O}(0; \{2^2, 4^2, 8^2, 12^2\})$	128
24	$\mathcal{O}(0; \{2^2, 3, 6, 8^2, 12^2\})$	96
24	$\mathcal{O}(0; \{6^3, 8^2, 12^2\})$	160
24	$\mathcal{O}(0; \{4, 8^4, 12^2\})$	1024
24	$\mathcal{O}(0; \{4, 6, 8^2, 12^3\})$	384
24	$\mathcal{O}(0; \{3, 8^2, 12^4\})$	640
24	$\mathcal{O}(0; \{2^3, 3^3, 4, 8, 24\})$	48
24	$\mathcal{O}(0; \{3^3, 4^3, 8, 24\})$	192
24	$\mathcal{O}(0; \{2^4, 3, 4, 6, 8, 24\})$	16
24	$\mathcal{O}(0; \{3^4, 4, 6, 8, 24\})$	176
24	$\mathcal{O}(0; \{2, 3, 4^3, 6, 8, 24\})$	64
24	$\mathcal{O}(0; \{2, 3^2, 4, 6^2, 8, 24\})$	80
24	$\mathcal{O}(0; \{2^2, 4, 6^3, 8, 24\})$	48
24	$\mathcal{O}(0; \{2, 3^3, 8^3, 24\})$	384
24	$\mathcal{O}(0; \{2^2, 3, 6, 8^3, 24\})$	128
24	$\mathcal{O}(0; \{6^3, 8^3, 24\})$	384
24	$\mathcal{O}(0; \{2^4, 3^2, 8, 12, 24\})$	48
24	$\mathcal{O}(0; \{3^5, 8, 12, 24\})$	336
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 8, 12, 24\})$	192
24	$\mathcal{O}(0; \{2^5, 6, 8, 12, 24\})$	16
24	$\mathcal{O}(0; \{2, 3^3, 6, 8, 12, 24\})$	176

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 4^2, 6, 8, 12, 24\})$	64
24	$\mathcal{O}(0; \{2^2, 3, 6^2, 8, 12, 24\})$	80
24	$\mathcal{O}(0; \{6^4, 8, 12, 24\})$	176
24	$\mathcal{O}(0; \{4, 6, 8^3, 12, 24\})$	512
24	$\mathcal{O}(0; \{2^2, 3, 4, 8, 12^2, 24\})$	192
24	$\mathcal{O}(0; \{4, 6^2, 8, 12^2, 24\})$	320
24	$\mathcal{O}(0; \{3, 8^3, 12^2, 24\})$	1536
24	$\mathcal{O}(0; \{2^3, 8, 12^3, 24\})$	192
24	$\mathcal{O}(0; \{4^2, 8, 12^3, 24\})$	768
24	$\mathcal{O}(0; \{3, 6, 8, 12^3, 24\})$	704
24	$\mathcal{O}(0; \{2^7, 3, 24^2\})$	8
24	$\mathcal{O}(0; \{2^3, 3^4, 24^2\})$	88
24	$\mathcal{O}(0; \{2^4, 3, 4^2, 24^2\})$	32
24	$\mathcal{O}(0; \{3^4, 4^2, 24^2\})$	352
24	$\mathcal{O}(0; \{2, 3, 4^4, 24^2\})$	128
24	$\mathcal{O}(0; \{2^4, 3^2, 6, 24^2\})$	40
24	$\mathcal{O}(0; \{3^5, 6, 24^2\})$	344
24	$\mathcal{O}(0; \{2, 3^2, 4^2, 6, 24^2\})$	160
24	$\mathcal{O}(0; \{2^5, 6^2, 24^2\})$	24
24	$\mathcal{O}(0; \{2, 3^3, 6^2, 24^2\})$	168
24	$\mathcal{O}(0; \{2^2, 4^2, 6^2, 24^2\})$	96
24	$\mathcal{O}(0; \{2^2, 3, 6^3, 24^2\})$	88
24	$\mathcal{O}(0; \{6^5, 24^2\})$	168
24	$\mathcal{O}(0; \{2^2, 3, 4, 8^2, 24^2\})$	256
24	$\mathcal{O}(0; \{4, 6^2, 8^2, 24^2\})$	768
24	$\mathcal{O}(0; \{3, 8^4, 24^2\})$	2048
24	$\mathcal{O}(0; \{2^5, 4, 12, 24^2\})$	32
24	$\mathcal{O}(0; \{2, 3^3, 4, 12, 24^2\})$	352
24	$\mathcal{O}(0; \{2^2, 4^3, 12, 24^2\})$	128
24	$\mathcal{O}(0; \{2^2, 3, 4, 6, 12, 24^2\})$	160
24	$\mathcal{O}(0; \{4, 6^3, 12, 24^2\})$	352
24	$\mathcal{O}(0; \{2^3, 8^2, 12, 24^2\})$	256
24	$\mathcal{O}(0; \{4^2, 8^2, 12, 24^2\})$	1024
24	$\mathcal{O}(0; \{3, 6, 8^2, 12, 24^2\})$	1280
24	$\mathcal{O}(0; \{2^2, 3^2, 12^2, 24^2\})$	352
24	$\mathcal{O}(0; \{2^3, 6, 12^2, 24^2\})$	160
24	$\mathcal{O}(0; \{4^2, 6, 12^2, 24^2\})$	640
24	$\mathcal{O}(0; \{3, 6^2, 12^2, 24^2\})$	672
24	$\mathcal{O}(0; \{3, 4, 12^3, 24^2\})$	1408
24	$\mathcal{O}(0; \{2, 12^4, 24^2\})$	1408
24	$\mathcal{O}(0; \{2^2, 3^2, 8, 24^3\})$	640
24	$\mathcal{O}(0; \{2^3, 6, 8, 24^3\})$	384
24	$\mathcal{O}(0; \{4^2, 6, 8, 24^3\})$	1536

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3, 6^2, 8, 24^3\})$	1408
24	$\mathcal{O}(0; \{3, 4, 8, 12, 24^3\})$	2560
24	$\mathcal{O}(0; \{2, 8, 12^2, 24^3\})$	2560
24	$\mathcal{O}(0; \{2^3, 4, 24^4\})$	768
24	$\mathcal{O}(0; \{4^3, 24^4\})$	3072
24	$\mathcal{O}(0; \{3, 4, 6, 24^4\})$	2816
24	$\mathcal{O}(0; \{2, 8^2, 24^4\})$	6144
24	$\mathcal{O}(0; \{3^2, 12, 24^4\})$	5376
24	$\mathcal{O}(0; \{2, 6, 12, 24^4\})$	2816
25	$\mathcal{O}(2; \{25^2\})$	7812500
25	$\mathcal{O}(0; \{5^5, 25^2\})$	20480
26	$\mathcal{O}(1; \{2^2, 13^3\})$	89232
26	$\mathcal{O}(1; \{13^2, 26^2\})$	1078896
26	$\mathcal{O}(0; \{2^6, 13^3\})$	132
26	$\mathcal{O}(0; \{2^4, 13^2, 26^2\})$	1596
26	$\mathcal{O}(0; \{2^2, 13, 26^4\})$	19140
26	$\mathcal{O}(0; \{26^6\})$	229692
27	$\mathcal{O}(0; \{9^2, 27^4\})$	157464
28	$\mathcal{O}(2; \{4^2\})$	1228800
28	$\mathcal{O}(1; \{2^4, 4^2\})$	1536
28	$\mathcal{O}(1; \{2, 4^4\})$	6144
28	$\mathcal{O}(1; \{4, 7, 14, 28\})$	47040
28	$\mathcal{O}(0; \{2, 4^2, 7^3, 14\})$	372
28	$\mathcal{O}(0; \{2^4, 4, 7, 14, 28\})$	60
28	$\mathcal{O}(0; \{2, 4^3, 7, 14, 28\})$	240
28	$\mathcal{O}(0; \{2^2, 4, 14^3, 28\})$	372
28	$\mathcal{O}(0; \{2^2, 7^3, 28^2\})$	2220
28	$\mathcal{O}(0; \{7^2, 14^2, 28^2\})$	13332
28	$\mathcal{O}(0; \{2^2, 4, 7, 28^3\})$	1488
28	$\mathcal{O}(0; \{4, 14^2, 28^3\})$	8880
30	$\mathcal{O}(1; \{5^2, 6^2\})$	7200
30	$\mathcal{O}(1; \{2, 10, 15^2\})$	21600
30	$\mathcal{O}(1; \{3, 5, 6, 30\})$	7200
30	$\mathcal{O}(1; \{3^2, 30^2\})$	21600
30	$\mathcal{O}(1; \{2, 6, 30^2\})$	7200
30	$\mathcal{O}(0; \{2^2, 3^4, 5^2\})$	24
30	$\mathcal{O}(0; \{2^3, 3^2, 5^2, 6\})$	8
30	$\mathcal{O}(0; \{2^4, 5^2, 6^2\})$	8
30	$\mathcal{O}(0; \{3^3, 5^2, 6^2\})$	40
30	$\mathcal{O}(0; \{2, 3, 5^2, 6^3\})$	24
30	$\mathcal{O}(0; \{3^4, 5, 10^2\})$	72
30	$\mathcal{O}(0; \{2, 3^2, 5, 6, 10^2\})$	24
30	$\mathcal{O}(0; \{2^2, 5, 6^2, 10^2\})$	24

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
30	$\mathcal{O}(0; \{6^2, 10^4\})$	104
30	$\mathcal{O}(0; \{2, 3^2, 5^2, 10, 15\})$	104
30	$\mathcal{O}(0; \{2^2, 5^2, 6, 10, 15\})$	104
30	$\mathcal{O}(0; \{5, 6, 10^3, 15\})$	408
30	$\mathcal{O}(0; \{2^2, 5^3, 15^2\})$	408
30	$\mathcal{O}(0; \{2^5, 10, 15^2\})$	24
30	$\mathcal{O}(0; \{2, 3^3, 10, 15^2\})$	120
30	$\mathcal{O}(0; \{2^2, 3, 6, 10, 15^2\})$	72
30	$\mathcal{O}(0; \{6^3, 10, 15^2\})$	120
30	$\mathcal{O}(0; \{5^2, 10^2, 15^2\})$	1640
30	$\mathcal{O}(0; \{2^2, 3, 5, 15^3\})$	312
30	$\mathcal{O}(0; \{5, 6^2, 15^3\})$	520
30	$\mathcal{O}(0; \{3, 10^2, 15^3\})$	1224
30	$\mathcal{O}(0; \{2^3, 3^3, 5, 30\})$	24
30	$\mathcal{O}(0; \{2^4, 3, 5, 6, 30\})$	8
30	$\mathcal{O}(0; \{3^4, 5, 6, 30\})$	88
30	$\mathcal{O}(0; \{2, 3^2, 5, 6^2, 30\})$	40
30	$\mathcal{O}(0; \{2^2, 5, 6^3, 30\})$	24
30	$\mathcal{O}(0; \{2, 3^3, 10^2, 30\})$	72
30	$\mathcal{O}(0; \{2^2, 3, 6, 10^2, 30\})$	24
30	$\mathcal{O}(0; \{6^3, 10^2, 30\})$	72
30	$\mathcal{O}(0; \{2^2, 3, 5, 10, 15, 30\})$	104
30	$\mathcal{O}(0; \{5, 6^2, 10, 15, 30\})$	312
30	$\mathcal{O}(0; \{3, 10^3, 15, 30\})$	408
30	$\mathcal{O}(0; \{5^2, 6, 15^2, 30\})$	1224
30	$\mathcal{O}(0; \{2^3, 15^3, 30\})$	312
30	$\mathcal{O}(0; \{3, 6, 15^3, 30\})$	1144
30	$\mathcal{O}(0; \{2^4, 3^2, 30^2\})$	24
30	$\mathcal{O}(0; \{3^5, 30^2\})$	168
30	$\mathcal{O}(0; \{2^5, 6, 30^2\})$	8
30	$\mathcal{O}(0; \{2, 3^3, 6, 30^2\})$	88
30	$\mathcal{O}(0; \{2^2, 3, 6^2, 30^2\})$	40
30	$\mathcal{O}(0; \{6^4, 30^2\})$	88
30	$\mathcal{O}(0; \{5^2, 6, 10, 30^2\})$	408
30	$\mathcal{O}(0; \{5^3, 15, 30^2\})$	1640
30	$\mathcal{O}(0; \{2^3, 10, 15, 30^2\})$	104
30	$\mathcal{O}(0; \{3, 6, 10, 15, 30^2\})$	520
30	$\mathcal{O}(0; \{3, 5, 15^2, 30^2\})$	2040
30	$\mathcal{O}(0; \{3, 5, 10, 30^3\})$	1224
30	$\mathcal{O}(0; \{2, 15^2, 30^3\})$	2040
30	$\mathcal{O}(0; \{2, 10, 30^4\})$	1224
32	$\mathcal{O}(0; \{2^3, 4, 8, 32^2\})$	128
32	$\mathcal{O}(0; \{4^3, 8, 32^2\})$	512

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
32	$\mathcal{O}(0; \{2, 8^3, 32^2\})$	1024
32	$\mathcal{O}(0; \{2, 4, 16^2, 32^2\})$	2048
33	$\mathcal{O}(0; \{3^2, 11^4\})$	1820
34	$\mathcal{O}(1; \{2^2, 17^2\})$	18496
34	$\mathcal{O}(1; \{17, 34^2\})$	277440
34	$\mathcal{O}(0; \{2^6, 17^2\})$	16
34	$\mathcal{O}(0; \{2^4, 17, 34^2\})$	240
34	$\mathcal{O}(0; \{2^2, 34^4\})$	3856
35	$\mathcal{O}(1; \{7, 35^2\})$	147000
36	$\mathcal{O}(0; \{2, 4^2, 9^2, 18\})$	36
36	$\mathcal{O}(0; \{3^2, 4^2, 18^2\})$	48
36	$\mathcal{O}(0; \{2, 4^2, 6, 18^2\})$	24
36	$\mathcal{O}(0; \{2, 3, 4, 12, 18^2\})$	48
36	$\mathcal{O}(0; \{2^2, 12^2, 18^2\})$	48
36	$\mathcal{O}(0; \{2, 3, 4, 9, 18, 36\})$	72
36	$\mathcal{O}(0; \{2^2, 9, 12, 18, 36\})$	72
36	$\mathcal{O}(0; \{12, 18^3, 36\})$	648
36	$\mathcal{O}(0; \{2^2, 9^2, 36^2\})$	324
36	$\mathcal{O}(0; \{2, 3^2, 18, 36^2\})$	144
36	$\mathcal{O}(0; \{2^2, 6, 18, 36^2\})$	72
36	$\mathcal{O}(0; \{12^2, 18, 36^2\})$	576
36	$\mathcal{O}(0; \{9, 18^2, 36^2\})$	1620
36	$\mathcal{O}(0; \{9, 12, 36^3\})$	2592
36	$\mathcal{O}(0; \{6, 36^4\})$	2592
39	$\mathcal{O}(0; \{3^4, 13^2\})$	72
39	$\mathcal{O}(0; \{3, 13, 39^3\})$	9576
40	$\mathcal{O}(1; \{2, 40^2\})$	25600
40	$\mathcal{O}(0; \{2^2, 5, 8^2, 10\})$	16
40	$\mathcal{O}(0; \{8^2, 10^3\})$	48
40	$\mathcal{O}(0; \{5, 8^2, 20^2\})$	192
40	$\mathcal{O}(0; \{2^2, 5^2, 8, 40\})$	48
40	$\mathcal{O}(0; \{5, 8, 10^2, 40\})$	208
40	$\mathcal{O}(0; \{4, 8, 10, 20, 40\})$	192
40	$\mathcal{O}(0; \{2^5, 40^2\})$	16
40	$\mathcal{O}(0; \{2^2, 4^2, 40^2\})$	64
40	$\mathcal{O}(0; \{4, 8^2, 40^2\})$	512
40	$\mathcal{O}(0; \{5^2, 10, 40^2\})$	816
40	$\mathcal{O}(0; \{4, 5, 20, 40^2\})$	832
42	$\mathcal{O}(1; \{2^2, 3^2\})$	3456
42	$\mathcal{O}(1; \{3, 6^2\})$	3456
42	$\mathcal{O}(0; \{2^2, 3, 7^2, 21\})$	60
42	$\mathcal{O}(0; \{6^2, 7^2, 21\})$	60
42	$\mathcal{O}(0; \{3, 7, 14^2, 21\})$	372

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
42	$\mathcal{O}(0; \{2^3, 14, 21^2\})$	60
42	$\mathcal{O}(0; \{3, 6, 14, 21^2\})$	180
42	$\mathcal{O}(0; \{2, 3^3, 7, 42\})$	36
42	$\mathcal{O}(0; \{2^2, 3, 6, 7, 42\})$	12
42	$\mathcal{O}(0; \{6^3, 7, 42\})$	36
42	$\mathcal{O}(0; \{3, 6, 14^2, 42\})$	60
42	$\mathcal{O}(0; \{2, 21^3, 42\})$	1116
42	$\mathcal{O}(0; \{3, 7^2, 42^2\})$	372
42	$\mathcal{O}(0; \{2, 14, 21, 42^2\})$	372
44	$\mathcal{O}(0; \{4^2, 11^3\})$	180
45	$\mathcal{O}(0; \{5^3, 9^2\})$	72
45	$\mathcal{O}(0; \{3, 5, 9^2, 15\})$	96
45	$\mathcal{O}(0; \{3^2, 9, 45^2\})$	288
48	$\mathcal{O}(0; \{3^2, 6, 16^2\})$	16
48	$\mathcal{O}(0; \{2, 6^2, 16^2\})$	16
48	$\mathcal{O}(0; \{2, 3, 16, 24, 48\})$	64
48	$\mathcal{O}(0; \{3^2, 4, 48^2\})$	96
48	$\mathcal{O}(0; \{2, 4, 6, 48^2\})$	32
48	$\mathcal{O}(0; \{2, 3, 12, 48^2\})$	96
49	$\mathcal{O}(2; \emptyset)$	5762400
50	$\mathcal{O}(1; \{50^2\})$	50000
50	$\mathcal{O}(0; \{2^4, 50^2\})$	20
51	$\mathcal{O}(0; \{3^3, 17, 51\})$	96
51	$\mathcal{O}(0; \{51^4\})$	23136
52	$\mathcal{O}(0; \{2, 4^2, 13, 26\})$	24
52	$\mathcal{O}(0; \{2^2, 13, 52^2\})$	264
52	$\mathcal{O}(0; \{26^2, 52^2\})$	3192
54	$\mathcal{O}(0; \{2^2, 9, 27^2\})$	108
54	$\mathcal{O}(0; \{18^2, 27^2\})$	648
54	$\mathcal{O}(0; \{9, 27, 54^2\})$	972
55	$\mathcal{O}(0; \{11^2, 55^2\})$	3640
56	$\mathcal{O}(1; \{8^2\})$	12288
56	$\mathcal{O}(0; \{8, 14, 28, 56\})$	240
56	$\mathcal{O}(0; \{7, 14, 56^2\})$	744
60	$\mathcal{O}(0; \{10^2, 12^2\})$	16
60	$\mathcal{O}(0; \{6, 12, 15, 20\})$	16
60	$\mathcal{O}(0; \{5, 12, 20, 30\})$	48
60	$\mathcal{O}(0; \{4, 20, 30^2\})$	48
60	$\mathcal{O}(0; \{6, 10, 12, 60\})$	16
60	$\mathcal{O}(0; \{5, 12, 15, 60\})$	48
60	$\mathcal{O}(0; \{4, 15, 30, 60\})$	48
60	$\mathcal{O}(0; \{2^2, 3, 60^2\})$	16
60	$\mathcal{O}(0; \{6^2, 60^2\})$	48

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
60	$\mathcal{O}(0; \{4, 12, 60^2\})$	64
65	$\mathcal{O}(0; \{5^2, 13, 65\})$	144
66	$\mathcal{O}(0; \{6^2, 11^2\})$	20
68	$\mathcal{O}(0; \{4^2, 34^2\})$	32
68	$\mathcal{O}(0; \{2, 34, 68^2\})$	480
70	$\mathcal{O}(0; \{2, 14, 70^2\})$	120
72	$\mathcal{O}(0; \{2, 9, 72^2\})$	72
75	$\mathcal{O}(0; \{3^2, 75^2\})$	120
78	$\mathcal{O}(0; \{3^2, 26^2\})$	24
80	$\mathcal{O}(0; \{2, 5, 16, 80\})$	32
80	$\mathcal{O}(0; \{2, 4, 80^2\})$	64
98	$\mathcal{O}(1; \{2^2\})$	9408
100	$\mathcal{O}(0; \{2^2, 100^2\})$	40
101	$\mathcal{O}(0; \{101^3\})$	9900
102	$\mathcal{O}(0; \{2^2, 51^2\})$	32
102	$\mathcal{O}(0; \{51, 102^2\})$	480
104	$\mathcal{O}(0; \{26, 104^2\})$	528
105	$\mathcal{O}(0; \{21, 105^2\})$	240
110	$\mathcal{O}(0; \{11, 110^2\})$	360
120	$\mathcal{O}(0; \{6, 120^2\})$	32
125	$\mathcal{O}(0; \{5, 125^2\})$	400
130	$\mathcal{O}(0; \{5, 26, 130\})$	48
150	$\mathcal{O}(0; \{3, 150^2\})$	40
200	$\mathcal{O}(0; \{2, 200^2\})$	80
202	$\mathcal{O}(0; \{2, 101, 202\})$	100