

Table 1: 21-admissible orbifolds.

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(21; \emptyset)$	1
2	$\mathcal{O}(11; \emptyset)$	4194303
2	$\mathcal{O}(10; \{2^4\})$	1048576
2	$\mathcal{O}(9; \{2^8\})$	262144
2	$\mathcal{O}(8; \{2^{12}\})$	65536
2	$\mathcal{O}(7; \{2^{16}\})$	16384
2	$\mathcal{O}(6; \{2^{20}\})$	4096
2	$\mathcal{O}(5; \{2^{24}\})$	1024
2	$\mathcal{O}(4; \{2^{28}\})$	256
2	$\mathcal{O}(3; \{2^{32}\})$	64
2	$\mathcal{O}(2; \{2^{36}\})$	16
2	$\mathcal{O}(1; \{2^{40}\})$	4
2	$\mathcal{O}(0; \{2^{44}\})$	1
3	$\mathcal{O}(7; \{3^2\})$	9565938
3	$\mathcal{O}(6; \{3^5\})$	5314410
3	$\mathcal{O}(5; \{3^8\})$	5078214
3	$\mathcal{O}(4; \{3^{11}\})$	4474602
3	$\mathcal{O}(3; \{3^{14}\})$	3981798
3	$\mathcal{O}(2; \{3^{17}\})$	3538890
3	$\mathcal{O}(1; \{3^{20}\})$	3145734
3	$\mathcal{O}(0; \{3^{23}\})$	2796202
4	$\mathcal{O}(6; \emptyset)$	16773120
4	$\mathcal{O}(5; \{2^4\})$	1047552
4	$\mathcal{O}(5; \{2, 4^2\})$	2097152
4	$\mathcal{O}(4; \{2^8\})$	65280
4	$\mathcal{O}(4; \{2^5, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^2, 4^4\})$	524288
4	$\mathcal{O}(3; \{2^{12}\})$	4032
4	$\mathcal{O}(3; \{2^9, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^6, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^3, 4^6\})$	131072
4	$\mathcal{O}(3; \{4^8\})$	524288
4	$\mathcal{O}(2; \{2^{16}\})$	240
4	$\mathcal{O}(2; \{2^{13}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{10}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^7, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^4, 4^8\})$	32768
4	$\mathcal{O}(2; \{2, 4^{10}\})$	131072
4	$\mathcal{O}(1; \{2^{20}\})$	12
4	$\mathcal{O}(1; \{2^{17}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{14}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{11}, 4^6\})$	512

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(1; \{2^8, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^5, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^2, 4^{12}\})$	32768
4	$\mathcal{O}(0; \{2^{21}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{18}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{15}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{12}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^9, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^6, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^3, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{4^{16}\})$	32768
5	$\mathcal{O}(5; \emptyset)$	9765624
5	$\mathcal{O}(3; \{5^5\})$	3187500
5	$\mathcal{O}(1; \{5^{10}\})$	5242900
6	$\mathcal{O}(3; \{3^4\})$	275562
6	$\mathcal{O}(3; \{2, 3^2, 6\})$	93312
6	$\mathcal{O}(3; \{2^2, 6^2\})$	93312
6	$\mathcal{O}(2; \{2^4, 3^4\})$	7776
6	$\mathcal{O}(2; \{3^7\})$	51030
6	$\mathcal{O}(2; \{2^5, 3^2, 6\})$	2592
6	$\mathcal{O}(2; \{2, 3^5, 6\})$	28512
6	$\mathcal{O}(2; \{2^6, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^2, 3^3, 6^2\})$	12960
6	$\mathcal{O}(2; \{2^3, 3, 6^3\})$	7776
6	$\mathcal{O}(2; \{3^2, 6^4\})$	28512
6	$\mathcal{O}(2; \{2, 6^5\})$	12960
6	$\mathcal{O}(1; \{2^8, 3^4\})$	216
6	$\mathcal{O}(1; \{2^4, 3^7\})$	1512
6	$\mathcal{O}(1; \{3^{10}\})$	9234
6	$\mathcal{O}(1; \{2^9, 3^2, 6\})$	72
6	$\mathcal{O}(1; \{2^5, 3^5, 6\})$	792
6	$\mathcal{O}(1; \{2, 3^8, 6\})$	6120
6	$\mathcal{O}(1; \{2^{10}, 6^2\})$	72
6	$\mathcal{O}(1; \{2^6, 3^3, 6^2\})$	360
6	$\mathcal{O}(1; \{2^2, 3^6, 6^2\})$	3096
6	$\mathcal{O}(1; \{2^7, 3, 6^3\})$	216
6	$\mathcal{O}(1; \{2^3, 3^4, 6^3\})$	1512
6	$\mathcal{O}(1; \{2^4, 3^2, 6^4\})$	792
6	$\mathcal{O}(1; \{3^5, 6^4\})$	6120
6	$\mathcal{O}(1; \{2^5, 6^5\})$	360
6	$\mathcal{O}(1; \{2, 3^3, 6^5\})$	3096
6	$\mathcal{O}(1; \{2^2, 3, 6^6\})$	1512
6	$\mathcal{O}(1; \{6^8\})$	3096

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{12}, 3^4\})$	6
6	$\mathcal{O}(0; \{2^8, 3^7\})$	42
6	$\mathcal{O}(0; \{2^4, 3^{10}\})$	342
6	$\mathcal{O}(0; \{2^{13}, 3^2, 6\})$	2
6	$\mathcal{O}(0; \{2^9, 3^5, 6\})$	22
6	$\mathcal{O}(0; \{2^5, 3^8, 6\})$	170
6	$\mathcal{O}(0; \{2, 3^{11}, 6\})$	1366
6	$\mathcal{O}(0; \{2^{14}, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{10}, 3^3, 6^2\})$	10
6	$\mathcal{O}(0; \{2^6, 3^6, 6^2\})$	86
6	$\mathcal{O}(0; \{2^2, 3^9, 6^2\})$	682
6	$\mathcal{O}(0; \{2^{11}, 3, 6^3\})$	6
6	$\mathcal{O}(0; \{2^7, 3^4, 6^3\})$	42
6	$\mathcal{O}(0; \{2^3, 3^7, 6^3\})$	342
6	$\mathcal{O}(0; \{2^8, 3^2, 6^4\})$	22
6	$\mathcal{O}(0; \{2^4, 3^5, 6^4\})$	170
6	$\mathcal{O}(0; \{3^8, 6^4\})$	1366
6	$\mathcal{O}(0; \{2^9, 6^5\})$	10
6	$\mathcal{O}(0; \{2^5, 3^3, 6^5\})$	86
6	$\mathcal{O}(0; \{2, 3^6, 6^5\})$	682
6	$\mathcal{O}(0; \{2^6, 3, 6^6\})$	42
6	$\mathcal{O}(0; \{2^2, 3^4, 6^6\})$	342
6	$\mathcal{O}(0; \{2^3, 3^2, 6^7\})$	170
6	$\mathcal{O}(0; \{2^4, 6^8\})$	86
6	$\mathcal{O}(0; \{3^3, 6^8\})$	682
6	$\mathcal{O}(0; \{2, 3, 6^9\})$	342
7	$\mathcal{O}(3; \{7^2\})$	705894
7	$\mathcal{O}(0; \{7^9\})$	1439670
8	$\mathcal{O}(3; \{2^2\})$	258048
8	$\mathcal{O}(2; \{2^6\})$	3840
8	$\mathcal{O}(2; \{2^3, 4^2\})$	7680
8	$\mathcal{O}(2; \{4^4\})$	30720
8	$\mathcal{O}(2; \{2, 4, 8^2\})$	32768
8	$\mathcal{O}(1; \{2^{10}\})$	48
8	$\mathcal{O}(1; \{2^7, 4^2\})$	96
8	$\mathcal{O}(1; \{2^4, 4^4\})$	384
8	$\mathcal{O}(1; \{2, 4^6\})$	1536
8	$\mathcal{O}(1; \{2^5, 4, 8^2\})$	512
8	$\mathcal{O}(1; \{2^2, 4^3, 8^2\})$	2048
8	$\mathcal{O}(1; \{2^3, 8^4\})$	4096
8	$\mathcal{O}(1; \{4^2, 8^4\})$	16384
8	$\mathcal{O}(0; \{2^9, 4, 8^2\})$	8
8	$\mathcal{O}(0; \{2^6, 4^3, 8^2\})$	32

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2^3, 4^5, 8^2\})$	128
8	$\mathcal{O}(0; \{4^7, 8^2\})$	512
8	$\mathcal{O}(0; \{2^7, 8^4\})$	64
8	$\mathcal{O}(0; \{2^4, 4^2, 8^4\})$	256
8	$\mathcal{O}(0; \{2, 4^4, 8^4\})$	1024
8	$\mathcal{O}(0; \{2^2, 4, 8^6\})$	2048
8	$\mathcal{O}(0; \{8^8\})$	16384
9	$\mathcal{O}(2; \{3, 9^2\})$	78732
9	$\mathcal{O}(1; \{3^4, 9^2\})$	7776
9	$\mathcal{O}(1; \{9^5\})$	65610
9	$\mathcal{O}(0; \{3^7, 9^2\})$	768
9	$\mathcal{O}(0; \{3^3, 9^5\})$	6480
10	$\mathcal{O}(3; \emptyset)$	984312
10	$\mathcal{O}(2; \{2^4\})$	9984
10	$\mathcal{O}(1; \{2^8\})$	96
10	$\mathcal{O}(1; \{5^5\})$	15300
10	$\mathcal{O}(1; \{2^3, 5^2, 10\})$	1200
10	$\mathcal{O}(1; \{2, 5, 10^3\})$	5200
10	$\mathcal{O}(0; \{2^4, 5^5\})$	204
10	$\mathcal{O}(0; \{2^7, 5^2, 10\})$	12
10	$\mathcal{O}(0; \{2^2, 5^4, 10^2\})$	820
10	$\mathcal{O}(0; \{2^5, 5, 10^3\})$	52
10	$\mathcal{O}(0; \{5^3, 10^4\})$	3276
10	$\mathcal{O}(0; \{2^3, 10^5\})$	204
11	$\mathcal{O}(1; \{11^4\})$	110110
12	$\mathcal{O}(2; \{3^2\})$	38880
12	$\mathcal{O}(1; \{2^4, 3^2\})$	216
12	$\mathcal{O}(1; \{3^5\})$	1080
12	$\mathcal{O}(1; \{2, 3^2, 4^2\})$	576
12	$\mathcal{O}(1; \{2, 3^3, 6\})$	648
12	$\mathcal{O}(1; \{2^2, 3, 6^2\})$	216
12	$\mathcal{O}(1; \{6^4\})$	648
12	$\mathcal{O}(1; \{2^2, 3, 4, 12\})$	576
12	$\mathcal{O}(1; \{4, 6^2, 12\})$	576
12	$\mathcal{O}(1; \{2^3, 12^2\})$	576
12	$\mathcal{O}(1; \{4^2, 12^2\})$	2304
12	$\mathcal{O}(1; \{3, 6, 12^2\})$	1728
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2\})$	4
12	$\mathcal{O}(0; \{2, 3^5, 4^2\})$	20
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4\})$	16
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6\})$	12
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^2\})$	4
12	$\mathcal{O}(0; \{3, 4^4, 6^2\})$	16

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^2, 4^2, 6^3\})$	20
12	$\mathcal{O}(0; \{2, 4^2, 6^4\})$	12
12	$\mathcal{O}(0; \{2^6, 3, 4, 12\})$	4
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 12\})$	20
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 12\})$	16
12	$\mathcal{O}(0; \{3, 4^5, 12\})$	64
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6, 12\})$	12
12	$\mathcal{O}(0; \{3^2, 4^3, 6, 12\})$	48
12	$\mathcal{O}(0; \{2^4, 4, 6^2, 12\})$	4
12	$\mathcal{O}(0; \{3^3, 4, 6^2, 12\})$	44
12	$\mathcal{O}(0; \{2, 4^3, 6^2, 12\})$	16
12	$\mathcal{O}(0; \{2, 3, 4, 6^3, 12\})$	20
12	$\mathcal{O}(0; \{2^7, 12^2\})$	4
12	$\mathcal{O}(0; \{2^3, 3^3, 12^2\})$	20
12	$\mathcal{O}(0; \{2^4, 4^2, 12^2\})$	16
12	$\mathcal{O}(0; \{3^3, 4^2, 12^2\})$	80
12	$\mathcal{O}(0; \{2, 4^4, 12^2\})$	64
12	$\mathcal{O}(0; \{2^4, 3, 6, 12^2\})$	12
12	$\mathcal{O}(0; \{3^4, 6, 12^2\})$	84
12	$\mathcal{O}(0; \{2, 3, 4^2, 6, 12^2\})$	48
12	$\mathcal{O}(0; \{2, 3^2, 6^2, 12^2\})$	44
12	$\mathcal{O}(0; \{2^2, 6^3, 12^2\})$	20
12	$\mathcal{O}(0; \{2, 3^2, 4, 12^3\})$	80
12	$\mathcal{O}(0; \{2^2, 4, 6, 12^3\})$	48
12	$\mathcal{O}(0; \{2^2, 3, 12^4\})$	80
12	$\mathcal{O}(0; \{6^2, 12^4\})$	176
12	$\mathcal{O}(0; \{4, 12^5\})$	320
14	$\mathcal{O}(1; \{2^2, 14^2\})$	1176
14	$\mathcal{O}(0; \{2, 7^4, 14\})$	1110
14	$\mathcal{O}(0; \{2^6, 14^2\})$	6
15	$\mathcal{O}(1; \{3^4\})$	1296
15	$\mathcal{O}(1; \{5, 15^2\})$	5400
15	$\mathcal{O}(0; \{3^2, 5^3, 15\})$	104
15	$\mathcal{O}(0; \{3^3, 5, 15^2\})$	120
15	$\mathcal{O}(0; \{15^5\})$	2040
16	$\mathcal{O}(1; \{2^2, 4^2\})$	384
16	$\mathcal{O}(1; \{4, 8^2\})$	1536
16	$\mathcal{O}(0; \{2^2, 4, 8, 16^2\})$	64
16	$\mathcal{O}(0; \{8^3, 16^2\})$	512
16	$\mathcal{O}(0; \{4, 16^4\})$	1024
18	$\mathcal{O}(0; \{2^3, 9^2, 18\})$	18
18	$\mathcal{O}(0; \{3, 6, 9^2, 18\})$	72
18	$\mathcal{O}(0; \{2^2, 3^2, 18^2\})$	24

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{2^3, 6, 18^2\})$	12
18	$\mathcal{O}(0; \{3, 6^2, 18^2\})$	48
18	$\mathcal{O}(0; \{2, 9, 18^3\})$	162
20	$\mathcal{O}(2; \emptyset)$	149760
20	$\mathcal{O}(1; \{2^4\})$	288
20	$\mathcal{O}(1; \{2, 4^2\})$	768
20	$\mathcal{O}(0; \{4^2, 5^2, 10\})$	24
20	$\mathcal{O}(0; \{2^3, 4, 5, 20\})$	8
20	$\mathcal{O}(0; \{4^3, 5, 20\})$	32
20	$\mathcal{O}(0; \{2, 4, 10^2, 20\})$	24
20	$\mathcal{O}(0; \{2, 5^2, 20^2\})$	104
21	$\mathcal{O}(1; \{21^2\})$	5292
21	$\mathcal{O}(0; \{3^2, 7^3\})$	60
21	$\mathcal{O}(0; \{3^3, 21^2\})$	60
22	$\mathcal{O}(1; \{11^2\})$	3630
22	$\mathcal{O}(0; \{2^4, 11^2\})$	10
22	$\mathcal{O}(0; \{2^2, 11, 22^2\})$	90
22	$\mathcal{O}(0; \{22^4\})$	910
24	$\mathcal{O}(1; \{6^2\})$	864
24	$\mathcal{O}(0; \{2, 3^2, 8, 24\})$	8
24	$\mathcal{O}(0; \{2^2, 6, 8, 24\})$	8
24	$\mathcal{O}(0; \{8, 12^2, 24\})$	32
24	$\mathcal{O}(0; \{2^2, 4, 24^2\})$	16
24	$\mathcal{O}(0; \{8^2, 24^2\})$	128
24	$\mathcal{O}(0; \{6, 12, 24^2\})$	48
25	$\mathcal{O}(1; \{5^2\})$	2400
27	$\mathcal{O}(0; \{3, 9, 27^2\})$	216
28	$\mathcal{O}(0; \{4, 7^2, 28\})$	60
28	$\mathcal{O}(0; \{2^3, 28^2\})$	12
28	$\mathcal{O}(0; \{4^2, 28^2\})$	48
30	$\mathcal{O}(1; \{3^2\})$	1296
30	$\mathcal{O}(0; \{3, 6, 10, 15\})$	8
30	$\mathcal{O}(0; \{3, 5, 10, 30\})$	24
30	$\mathcal{O}(0; \{2, 15^2, 30\})$	24
30	$\mathcal{O}(0; \{2, 10, 30^2\})$	24
33	$\mathcal{O}(0; \{3^2, 11, 33\})$	20
36	$\mathcal{O}(0; \{2, 4, 9, 36\})$	12
36	$\mathcal{O}(0; \{2, 3, 36^2\})$	24
40	$\mathcal{O}(1; \{2^2\})$	1152
42	$\mathcal{O}(0; \{2^2, 42^2\})$	12
43	$\mathcal{O}(0; \{43^3\})$	1722
44	$\mathcal{O}(0; \{22, 44^2\})$	180
45	$\mathcal{O}(0; \{15, 45^2\})$	144

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
48	$\mathcal{O}(0; \{12, 16, 48\})$	32
48	$\mathcal{O}(0; \{8, 48^2\})$	64
49	$\mathcal{O}(0; \{7, 49^2\})$	252
56	$\mathcal{O}(0; \{7, 8, 56\})$	24
56	$\mathcal{O}(0; \{4, 56^2\})$	48
60	$\mathcal{O}(0; \{4, 15, 60\})$	16
63	$\mathcal{O}(0; \{3, 63^2\})$	72
66	$\mathcal{O}(0; \{3, 22, 66\})$	20
84	$\mathcal{O}(0; \{2, 84^2\})$	24
86	$\mathcal{O}(0; \{2, 43, 86\})$	42

Table 2: 22-admissible orbifolds.

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(22; \emptyset)$	1
2	$\mathcal{O}(11; \{2^2\})$	4194304
2	$\mathcal{O}(10; \{2^6\})$	1048576
2	$\mathcal{O}(9; \{2^{10}\})$	262144
2	$\mathcal{O}(8; \{2^{14}\})$	65536
2	$\mathcal{O}(7; \{2^{18}\})$	16384
2	$\mathcal{O}(6; \{2^{22}\})$	4096
2	$\mathcal{O}(5; \{2^{26}\})$	1024
2	$\mathcal{O}(4; \{2^{30}\})$	256
2	$\mathcal{O}(3; \{2^{34}\})$	64
2	$\mathcal{O}(2; \{2^{38}\})$	16
2	$\mathcal{O}(1; \{2^{42}\})$	4
2	$\mathcal{O}(0; \{2^{46}\})$	1
3	$\mathcal{O}(8; \emptyset)$	43046720
3	$\mathcal{O}(7; \{3^3\})$	9565938
3	$\mathcal{O}(6; \{3^6\})$	11691702
3	$\mathcal{O}(5; \{3^9\})$	10038330
3	$\mathcal{O}(4; \{3^{12}\})$	8962326
3	$\mathcal{O}(3; \{3^{15}\})$	7962138
3	$\mathcal{O}(2; \{3^{18}\})$	7077942
3	$\mathcal{O}(1; \{3^{21}\})$	6291450
3	$\mathcal{O}(0; \{3^{24}\})$	5592406
4	$\mathcal{O}(5; \{2^2, 4^2\})$	2097152
4	$\mathcal{O}(4; \{2^6, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^3, 4^4\})$	524288
4	$\mathcal{O}(4; \{4^6\})$	2097152

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(3; \{2^{10}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^7, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^4, 4^6\})$	131072
4	$\mathcal{O}(3; \{2, 4^8\})$	524288
4	$\mathcal{O}(2; \{2^{14}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{11}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^8, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^5, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^2, 4^{10}\})$	131072
4	$\mathcal{O}(1; \{2^{18}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{15}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{12}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^9, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^6, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^3, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{4^{14}\})$	131072
4	$\mathcal{O}(0; \{2^{22}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{19}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{16}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{13}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{10}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^7, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^4, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2, 4^{16}\})$	32768
5	$\mathcal{O}(4; \{5^3\})$	4687500
5	$\mathcal{O}(2; \{5^8\})$	8192500
5	$\mathcal{O}(0; \{5^{13}\})$	13421772
6	$\mathcal{O}(4; \{2^2\})$	1679360
6	$\mathcal{O}(3; \{2^6\})$	46592
6	$\mathcal{O}(3; \{2^2, 3^3\})$	93312
6	$\mathcal{O}(3; \{2^3, 3, 6\})$	93312
6	$\mathcal{O}(3; \{3^2, 6^2\})$	279936
6	$\mathcal{O}(3; \{2, 6^3\})$	93312
6	$\mathcal{O}(2; \{2^{10}\})$	1280
6	$\mathcal{O}(2; \{2^6, 3^3\})$	2592
6	$\mathcal{O}(2; \{2^2, 3^6\})$	28512
6	$\mathcal{O}(2; \{2^7, 3, 6\})$	2592
6	$\mathcal{O}(2; \{2^3, 3^4, 6\})$	12960
6	$\mathcal{O}(2; \{2^4, 3^2, 6^2\})$	7776
6	$\mathcal{O}(2; \{3^5, 6^2\})$	54432
6	$\mathcal{O}(2; \{2^5, 6^3\})$	2592
6	$\mathcal{O}(2; \{2, 3^3, 6^3\})$	28512
6	$\mathcal{O}(2; \{2^2, 3, 6^4\})$	12960

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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	$\mathcal{O}(2; \{6^6\})$	28512
6	$\mathcal{O}(1; \{2^{14}\})$	32
6	$\mathcal{O}(1; \{2^{10}, 3^3\})$	72
6	$\mathcal{O}(1; \{2^6, 3^6\})$	792
6	$\mathcal{O}(1; \{2^2, 3^9\})$	6120
6	$\mathcal{O}(1; \{2^{11}, 3, 6\})$	72
6	$\mathcal{O}(1; \{2^7, 3^4, 6\})$	360
6	$\mathcal{O}(1; \{2^3, 3^7, 6\})$	3096
6	$\mathcal{O}(1; \{2^8, 3^2, 6^2\})$	216
6	$\mathcal{O}(1; \{2^4, 3^5, 6^2\})$	1512
6	$\mathcal{O}(1; \{3^8, 6^2\})$	12312
6	$\mathcal{O}(1; \{2^9, 6^3\})$	72
6	$\mathcal{O}(1; \{2^5, 3^3, 6^3\})$	792
6	$\mathcal{O}(1; \{2, 3^6, 6^3\})$	6120
6	$\mathcal{O}(1; \{2^6, 3, 6^4\})$	360
6	$\mathcal{O}(1; \{2^2, 3^4, 6^4\})$	3096
6	$\mathcal{O}(1; \{2^3, 3^2, 6^5\})$	1512
6	$\mathcal{O}(1; \{2^4, 6^6\})$	792
6	$\mathcal{O}(1; \{3^3, 6^6\})$	6120
6	$\mathcal{O}(1; \{2, 3, 6^7\})$	3096
6	$\mathcal{O}(0; \{2^{14}, 3^3\})$	2
6	$\mathcal{O}(0; \{2^{10}, 3^6\})$	22
6	$\mathcal{O}(0; \{2^6, 3^9\})$	170
6	$\mathcal{O}(0; \{2^2, 3^{12}\})$	1366
6	$\mathcal{O}(0; \{2^{15}, 3, 6\})$	2
6	$\mathcal{O}(0; \{2^{11}, 3^4, 6\})$	10
6	$\mathcal{O}(0; \{2^7, 3^7, 6\})$	86
6	$\mathcal{O}(0; \{2^3, 3^{10}, 6\})$	682
6	$\mathcal{O}(0; \{2^{12}, 3^2, 6^2\})$	6
6	$\mathcal{O}(0; \{2^8, 3^5, 6^2\})$	42
6	$\mathcal{O}(0; \{2^4, 3^8, 6^2\})$	342
6	$\mathcal{O}(0; \{3^{11}, 6^2\})$	2730
6	$\mathcal{O}(0; \{2^{13}, 6^3\})$	2
6	$\mathcal{O}(0; \{2^9, 3^3, 6^3\})$	22
6	$\mathcal{O}(0; \{2^5, 3^6, 6^3\})$	170
6	$\mathcal{O}(0; \{2, 3^9, 6^3\})$	1366
6	$\mathcal{O}(0; \{2^{10}, 3, 6^4\})$	10
6	$\mathcal{O}(0; \{2^6, 3^4, 6^4\})$	86
6	$\mathcal{O}(0; \{2^2, 3^7, 6^4\})$	682
6	$\mathcal{O}(0; \{2^7, 3^2, 6^5\})$	42
6	$\mathcal{O}(0; \{2^3, 3^5, 6^5\})$	342
6	$\mathcal{O}(0; \{2^8, 6^6\})$	22
6	$\mathcal{O}(0; \{2^4, 3^3, 6^6\})$	170

Continued on next page

Table 2 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{3^6, 6^6\})$	1366
6	$\mathcal{O}(0; \{2^5, 3, 6^7\})$	86
6	$\mathcal{O}(0; \{2, 3^4, 6^7\})$	682
6	$\mathcal{O}(0; \{2^2, 3^2, 6^8\})$	342
6	$\mathcal{O}(0; \{2^3, 6^9\})$	170
6	$\mathcal{O}(0; \{3, 6^{10}\})$	682
7	$\mathcal{O}(4; \emptyset)$	5764800
7	$\mathcal{O}(1; \{7^7\})$	1959510
8	$\mathcal{O}(2; \{2^3, 8^2\})$	16384
8	$\mathcal{O}(2; \{4^2, 8^2\})$	65536
8	$\mathcal{O}(1; \{2^7, 8^2\})$	256
8	$\mathcal{O}(1; \{2^4, 4^2, 8^2\})$	1024
8	$\mathcal{O}(1; \{2, 4^4, 8^2\})$	4096
8	$\mathcal{O}(1; \{2^2, 4, 8^4\})$	8192
8	$\mathcal{O}(1; \{8^6\})$	65536
8	$\mathcal{O}(0; \{2^{11}, 8^2\})$	4
8	$\mathcal{O}(0; \{2^8, 4^2, 8^2\})$	16
8	$\mathcal{O}(0; \{2^5, 4^4, 8^2\})$	64
8	$\mathcal{O}(0; \{2^2, 4^6, 8^2\})$	256
8	$\mathcal{O}(0; \{2^6, 4, 8^4\})$	128
8	$\mathcal{O}(0; \{2^3, 4^3, 8^4\})$	512
8	$\mathcal{O}(0; \{4^5, 8^4\})$	2048
8	$\mathcal{O}(0; \{2^4, 8^6\})$	1024
8	$\mathcal{O}(0; \{2, 4^2, 8^6\})$	4096
9	$\mathcal{O}(2; \{3^4\})$	38880
9	$\mathcal{O}(2; \{9^3\})$	118098
9	$\mathcal{O}(1; \{3^7\})$	3024
9	$\mathcal{O}(1; \{3^3, 9^3\})$	11664
9	$\mathcal{O}(0; \{3^6, 9^3\})$	1152
9	$\mathcal{O}(0; \{3^2, 9^6\})$	21384
10	$\mathcal{O}(2; \{2, 5, 10\})$	40000
10	$\mathcal{O}(1; \{2^2, 5^4\})$	5200
10	$\mathcal{O}(1; \{2^5, 5, 10\})$	400
10	$\mathcal{O}(1; \{5^3, 10^2\})$	20400
10	$\mathcal{O}(1; \{2^3, 10^3\})$	1200
10	$\mathcal{O}(0; \{2^6, 5^4\})$	52
10	$\mathcal{O}(0; \{2^9, 5, 10\})$	4
10	$\mathcal{O}(0; \{2, 5^6, 10\})$	3276
10	$\mathcal{O}(0; \{2^4, 5^3, 10^2\})$	204
10	$\mathcal{O}(0; \{2^7, 10^3\})$	12
10	$\mathcal{O}(0; \{2^2, 5^2, 10^4\})$	820
10	$\mathcal{O}(0; \{5, 10^6\})$	3276
11	$\mathcal{O}(2; \{11^2\})$	146410

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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	$\mathcal{O}(2; \{4^2\})$	40960
12	$\mathcal{O}(1; \{2^4, 4^2\})$	256
12	$\mathcal{O}(1; \{3^3, 4^2\})$	576
12	$\mathcal{O}(1; \{2, 4^4\})$	1024
12	$\mathcal{O}(1; \{2, 3, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{2, 3^2, 4, 12\})$	576
12	$\mathcal{O}(1; \{2^2, 4, 6, 12\})$	576
12	$\mathcal{O}(1; \{2^2, 3, 12^2\})$	576
12	$\mathcal{O}(1; \{6^2, 12^2\})$	1728
12	$\mathcal{O}(1; \{4, 12^3\})$	2304
12	$\mathcal{O}(0; \{2^4, 3^3, 4^2\})$	4
12	$\mathcal{O}(0; \{3^6, 4^2\})$	44
12	$\mathcal{O}(0; \{2, 3^3, 4^4\})$	16
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 6\})$	4
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 6\})$	20
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 6\})$	16
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^2\})$	12
12	$\mathcal{O}(0; \{2^3, 4^2, 6^3\})$	4
12	$\mathcal{O}(0; \{4^4, 6^3\})$	16
12	$\mathcal{O}(0; \{3, 4^2, 6^4\})$	20
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 12\})$	4
12	$\mathcal{O}(0; \{2, 3^5, 4, 12\})$	44
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 12\})$	16
12	$\mathcal{O}(0; \{2^6, 4, 6, 12\})$	4
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6, 12\})$	20
12	$\mathcal{O}(0; \{2^3, 4^3, 6, 12\})$	16
12	$\mathcal{O}(0; \{4^5, 6, 12\})$	64
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^2, 12\})$	12
12	$\mathcal{O}(0; \{3, 4^3, 6^2, 12\})$	48
12	$\mathcal{O}(0; \{3^2, 4, 6^3, 12\})$	44
12	$\mathcal{O}(0; \{2, 4, 6^4, 12\})$	20
12	$\mathcal{O}(0; \{2^6, 3, 12^2\})$	4
12	$\mathcal{O}(0; \{2^2, 3^4, 12^2\})$	44
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 12^2\})$	16
12	$\mathcal{O}(0; \{3, 4^4, 12^2\})$	64
12	$\mathcal{O}(0; \{2^3, 3^2, 6, 12^2\})$	20
12	$\mathcal{O}(0; \{3^2, 4^2, 6, 12^2\})$	80
12	$\mathcal{O}(0; \{2^4, 6^2, 12^2\})$	12
12	$\mathcal{O}(0; \{3^3, 6^2, 12^2\})$	84
12	$\mathcal{O}(0; \{2, 4^2, 6^2, 12^2\})$	48
12	$\mathcal{O}(0; \{2, 3, 6^3, 12^2\})$	44
12	$\mathcal{O}(0; \{2^4, 4, 12^3\})$	16
12	$\mathcal{O}(0; \{3^3, 4, 12^3\})$	176

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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	$\mathcal{O}(0; \{2, 4^3, 12^3\})$	64
12	$\mathcal{O}(0; \{2, 3, 4, 6, 12^3\})$	80
12	$\mathcal{O}(0; \{2, 3^2, 12^4\})$	176
12	$\mathcal{O}(0; \{2^2, 6, 12^4\})$	80
12	$\mathcal{O}(0; \{12^6\})$	704
14	$\mathcal{O}(2; \{2^2\})$	38400
14	$\mathcal{O}(1; \{2^6\})$	192
14	$\mathcal{O}(0; \{2^3, 7^3, 14\})$	186
14	$\mathcal{O}(0; \{2, 7^2, 14^3\})$	1110
15	$\mathcal{O}(1; \{15^3\})$	5400
15	$\mathcal{O}(0; \{3, 5^4, 15\})$	408
15	$\mathcal{O}(0; \{3^2, 5^2, 15^2\})$	312
15	$\mathcal{O}(0; \{3^3, 15^3\})$	264
16	$\mathcal{O}(1; \{4, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^4, 4, 16^2\})$	16
16	$\mathcal{O}(0; \{2, 4^3, 16^2\})$	64
16	$\mathcal{O}(0; \{2^2, 8^2, 16^2\})$	128
16	$\mathcal{O}(0; \{8, 16^4\})$	2048
18	$\mathcal{O}(1; \{2^2, 3^2\})$	576
18	$\mathcal{O}(1; \{3, 6^2\})$	576
18	$\mathcal{O}(1; \{2, 9, 18\})$	1944
18	$\mathcal{O}(0; \{2^2, 3, 9^3\})$	36
18	$\mathcal{O}(0; \{6^2, 9^3\})$	72
18	$\mathcal{O}(0; \{2^5, 9, 18\})$	6
18	$\mathcal{O}(0; \{2, 3^3, 9, 18\})$	48
18	$\mathcal{O}(0; \{2^2, 3, 6, 9, 18\})$	24
18	$\mathcal{O}(0; \{6^3, 9, 18\})$	48
18	$\mathcal{O}(0; \{3, 9^2, 18^2\})$	324
18	$\mathcal{O}(0; \{2^3, 18^3\})$	18
18	$\mathcal{O}(0; \{3, 6, 18^3\})$	72
20	$\mathcal{O}(0; \{2^2, 4^2, 5^2\})$	8
20	$\mathcal{O}(0; \{4^2, 5, 10^2\})$	24
20	$\mathcal{O}(0; \{4, 5^3, 20\})$	104
20	$\mathcal{O}(0; \{2^3, 4, 10, 20\})$	8
20	$\mathcal{O}(0; \{4^3, 10, 20\})$	32
20	$\mathcal{O}(0; \{2, 5, 10, 20^2\})$	104
20	$\mathcal{O}(0; \{2, 4, 20^3\})$	96
21	$\mathcal{O}(2; \emptyset)$	192000
21	$\mathcal{O}(1; \{3^3\})$	864
21	$\mathcal{O}(0; \{3^2, 7^2, 21\})$	60
22	$\mathcal{O}(1; \{22^2\})$	4840
22	$\mathcal{O}(0; \{2^4, 22^2\})$	10
23	$\mathcal{O}(0; \{23^4\})$	10186

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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	$\mathcal{O}(1; \{8^2\})$	2048
24	$\mathcal{O}(0; \{3^3, 8^2\})$	8
24	$\mathcal{O}(0; \{2, 3, 6, 8^2\})$	8
24	$\mathcal{O}(0; \{2, 3, 4, 8, 24\})$	16
24	$\mathcal{O}(0; \{2^2, 8, 12, 24\})$	16
24	$\mathcal{O}(0; \{2, 3^2, 24^2\})$	24
24	$\mathcal{O}(0; \{2^2, 6, 24^2\})$	8
24	$\mathcal{O}(0; \{12^2, 24^2\})$	96
24	$\mathcal{O}(0; \{8, 24^3\})$	128
25	$\mathcal{O}(0; \{5, 25^3\})$	1200
27	$\mathcal{O}(0; \{3, 27^3\})$	324
28	$\mathcal{O}(1; \{4^2\})$	1536
28	$\mathcal{O}(0; \{4, 7, 14, 28\})$	60
30	$\mathcal{O}(0; \{2^2, 3, 5, 15\})$	8
30	$\mathcal{O}(0; \{5, 6^2, 15\})$	8
30	$\mathcal{O}(0; \{3, 10^2, 15\})$	24
30	$\mathcal{O}(0; \{5^2, 6, 30\})$	24
30	$\mathcal{O}(0; \{2^3, 15, 30\})$	8
30	$\mathcal{O}(0; \{3, 6, 15, 30\})$	24
30	$\mathcal{O}(0; \{3, 5, 30^2\})$	24
30	$\mathcal{O}(0; \{2, 30^3\})$	24
32	$\mathcal{O}(0; \{2, 8, 32^2\})$	64
33	$\mathcal{O}(0; \{3^2, 33^2\})$	60
36	$\mathcal{O}(0; \{2, 4, 18, 36\})$	12
42	$\mathcal{O}(1; \{2^2\})$	1536
42	$\mathcal{O}(0; \{2, 3, 7, 42\})$	12
44	$\mathcal{O}(0; \{2^2, 44^2\})$	20
45	$\mathcal{O}(0; \{45^3\})$	216
46	$\mathcal{O}(0; \{2^2, 23^2\})$	22
46	$\mathcal{O}(0; \{23, 46^2\})$	462
48	$\mathcal{O}(0; \{16, 24, 48\})$	64
48	$\mathcal{O}(0; \{12, 48^2\})$	32
50	$\mathcal{O}(0; \{10, 25, 50\})$	80
54	$\mathcal{O}(0; \{6, 27, 54\})$	36
55	$\mathcal{O}(0; \{5, 55^2\})$	120
60	$\mathcal{O}(0; \{5, 12, 60\})$	16
60	$\mathcal{O}(0; \{4, 30, 60\})$	16
66	$\mathcal{O}(0; \{3, 66^2\})$	20
69	$\mathcal{O}(0; \{3, 23, 69\})$	44
88	$\mathcal{O}(0; \{2, 88^2\})$	40
90	$\mathcal{O}(0; \{2, 45, 90\})$	24

Table 3: 23-admissible orbifolds.

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(23; \emptyset)$	1
2	$\mathcal{O}(12; \emptyset)$	16777215
2	$\mathcal{O}(11; \{2^4\})$	4194304
2	$\mathcal{O}(10; \{2^8\})$	1048576
2	$\mathcal{O}(9; \{2^{12}\})$	262144
2	$\mathcal{O}(8; \{2^{16}\})$	65536
2	$\mathcal{O}(7; \{2^{20}\})$	16384
2	$\mathcal{O}(6; \{2^{24}\})$	4096
2	$\mathcal{O}(5; \{2^{28}\})$	1024
2	$\mathcal{O}(4; \{2^{32}\})$	256
2	$\mathcal{O}(3; \{2^{36}\})$	64
2	$\mathcal{O}(2; \{2^{40}\})$	16
2	$\mathcal{O}(1; \{2^{44}\})$	4
2	$\mathcal{O}(0; \{2^{48}\})$	1
3	$\mathcal{O}(7; \{3^4\})$	28697814
3	$\mathcal{O}(6; \{3^7\})$	22320522
3	$\mathcal{O}(5; \{3^{10}\})$	20194758
3	$\mathcal{O}(4; \{3^{13}\})$	17911530
3	$\mathcal{O}(3; \{3^{16}\})$	15925734
3	$\mathcal{O}(2; \{3^{19}\})$	14155722
3	$\mathcal{O}(1; \{3^{22}\})$	12582918
3	$\mathcal{O}(0; \{3^{25}\})$	11184810
4	$\mathcal{O}(6; \{2^2\})$	16773120
4	$\mathcal{O}(5; \{2^6\})$	1047552
4	$\mathcal{O}(5; \{2^3, 4^2\})$	2097152
4	$\mathcal{O}(5; \{4^4\})$	8388608
4	$\mathcal{O}(4; \{2^{10}\})$	65280
4	$\mathcal{O}(4; \{2^7, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^4, 4^4\})$	524288
4	$\mathcal{O}(4; \{2, 4^6\})$	2097152
4	$\mathcal{O}(3; \{2^{14}\})$	4032
4	$\mathcal{O}(3; \{2^{11}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^8, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^5, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^2, 4^8\})$	524288
4	$\mathcal{O}(2; \{2^{18}\})$	240
4	$\mathcal{O}(2; \{2^{15}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{12}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^9, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^6, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^3, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{4^{12}\})$	524288

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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	$\mathcal{O}(1; \{2^{22}\})$	12
4	$\mathcal{O}(1; \{2^{19}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{16}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{13}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{10}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^7, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^4, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2, 4^{14}\})$	131072
4	$\mathcal{O}(0; \{2^{23}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{20}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{17}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{14}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{11}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^8, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^5, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^2, 4^{16}\})$	32768
5	$\mathcal{O}(3; \{5^6\})$	12812500
5	$\mathcal{O}(1; \{5^{11}\})$	20971500
6	$\mathcal{O}(4; \{3^2\})$	3346110
6	$\mathcal{O}(3; \{2^4, 3^2\})$	93312
6	$\mathcal{O}(3; \{3^5\})$	459270
6	$\mathcal{O}(3; \{2, 3^3, 6\})$	279936
6	$\mathcal{O}(3; \{2^2, 3, 6^2\})$	93312
6	$\mathcal{O}(3; \{6^4\})$	279936
6	$\mathcal{O}(2; \{2^8, 3^2\})$	2592
6	$\mathcal{O}(2; \{2^4, 3^5\})$	12960
6	$\mathcal{O}(2; \{3^8\})$	104490
6	$\mathcal{O}(2; \{2^5, 3^3, 6\})$	7776
6	$\mathcal{O}(2; \{2, 3^6, 6\})$	54432
6	$\mathcal{O}(2; \{2^6, 3, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^2, 3^4, 6^2\})$	28512
6	$\mathcal{O}(2; \{2^3, 3^2, 6^3\})$	12960
6	$\mathcal{O}(2; \{2^4, 6^4\})$	7776
6	$\mathcal{O}(2; \{3^3, 6^4\})$	54432
6	$\mathcal{O}(2; \{2, 3, 6^3\})$	28512
6	$\mathcal{O}(1; \{2^{12}, 3^2\})$	72
6	$\mathcal{O}(1; \{2^8, 3^5\})$	360
6	$\mathcal{O}(1; \{2^4, 3^8\})$	3096
6	$\mathcal{O}(1; \{3^{11}\})$	18414
6	$\mathcal{O}(1; \{2^9, 3^3, 6\})$	216
6	$\mathcal{O}(1; \{2^5, 3^6, 6\})$	1512
6	$\mathcal{O}(1; \{2, 3^9, 6\})$	12312
6	$\mathcal{O}(1; \{2^{10}, 3, 6^2\})$	72

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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	$\mathcal{O}(1; \{2^6, 3^4, 6^2\})$	792
6	$\mathcal{O}(1; \{2^2, 3^7, 6^2\})$	6120
6	$\mathcal{O}(1; \{2^7, 3^2, 6^3\})$	360
6	$\mathcal{O}(1; \{2^3, 3^5, 6^3\})$	3096
6	$\mathcal{O}(1; \{2^8, 6^4\})$	216
6	$\mathcal{O}(1; \{2^4, 3^3, 6^4\})$	1512
6	$\mathcal{O}(1; \{3^6, 6^4\})$	12312
6	$\mathcal{O}(1; \{2^5, 3, 6^5\})$	792
6	$\mathcal{O}(1; \{2, 3^4, 6^5\})$	6120
6	$\mathcal{O}(1; \{2^2, 3^2, 6^6\})$	3096
6	$\mathcal{O}(1; \{2^3, 6^7\})$	1512
6	$\mathcal{O}(1; \{3, 6^8\})$	6120
6	$\mathcal{O}(0; \{2^{16}, 3^2\})$	2
6	$\mathcal{O}(0; \{2^{12}, 3^5\})$	10
6	$\mathcal{O}(0; \{2^8, 3^8\})$	86
6	$\mathcal{O}(0; \{2^4, 3^{11}\})$	682
6	$\mathcal{O}(0; \{2^{13}, 3^3, 6\})$	6
6	$\mathcal{O}(0; \{2^9, 3^6, 6\})$	42
6	$\mathcal{O}(0; \{2^5, 3^9, 6\})$	342
6	$\mathcal{O}(0; \{2, 3^{12}, 6\})$	2730
6	$\mathcal{O}(0; \{2^{14}, 3, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{10}, 3^4, 6^2\})$	22
6	$\mathcal{O}(0; \{2^6, 3^7, 6^2\})$	170
6	$\mathcal{O}(0; \{2^2, 3^{10}, 6^2\})$	1366
6	$\mathcal{O}(0; \{2^{11}, 3^2, 6^3\})$	10
6	$\mathcal{O}(0; \{2^7, 3^5, 6^3\})$	86
6	$\mathcal{O}(0; \{2^3, 3^8, 6^3\})$	682
6	$\mathcal{O}(0; \{2^{12}, 6^4\})$	6
6	$\mathcal{O}(0; \{2^8, 3^3, 6^4\})$	42
6	$\mathcal{O}(0; \{2^4, 3^6, 6^4\})$	342
6	$\mathcal{O}(0; \{3^9, 6^4\})$	2730
6	$\mathcal{O}(0; \{2^9, 3, 6^5\})$	22
6	$\mathcal{O}(0; \{2^5, 3^4, 6^5\})$	170
6	$\mathcal{O}(0; \{2, 3^7, 6^5\})$	1366
6	$\mathcal{O}(0; \{2^6, 3^2, 6^6\})$	86
6	$\mathcal{O}(0; \{2^2, 3^5, 6^6\})$	682
6	$\mathcal{O}(0; \{2^7, 6^7\})$	42
6	$\mathcal{O}(0; \{2^3, 3^3, 6^7\})$	342
6	$\mathcal{O}(0; \{2^4, 3, 6^8\})$	170
6	$\mathcal{O}(0; \{3^4, 6^8\})$	1366
6	$\mathcal{O}(0; \{2, 3^2, 6^9\})$	682
6	$\mathcal{O}(0; \{2^2, 6^{10}\})$	342
7	$\mathcal{O}(2; \{7^5\})$	2665110

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Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{4^2\})$	516096
8	$\mathcal{O}(2; \{2^4, 4^2\})$	7680
8	$\mathcal{O}(2; \{2, 4^4\})$	30720
8	$\mathcal{O}(2; \{2^2, 4, 8^2\})$	32768
8	$\mathcal{O}(2; \{8^4\})$	262144
8	$\mathcal{O}(1; \{2^8, 4^2\})$	96
8	$\mathcal{O}(1; \{2^5, 4^4\})$	384
8	$\mathcal{O}(1; \{2^2, 4^6\})$	1536
8	$\mathcal{O}(1; \{2^6, 4, 8^2\})$	512
8	$\mathcal{O}(1; \{2^3, 4^3, 8^2\})$	2048
8	$\mathcal{O}(1; \{4^5, 8^2\})$	8192
8	$\mathcal{O}(1; \{2^4, 8^4\})$	4096
8	$\mathcal{O}(1; \{2, 4^2, 8^4\})$	16384
8	$\mathcal{O}(0; \{2^{10}, 4, 8^2\})$	8
8	$\mathcal{O}(0; \{2^7, 4^3, 8^2\})$	32
8	$\mathcal{O}(0; \{2^4, 4^5, 8^2\})$	128
8	$\mathcal{O}(0; \{2, 4^7, 8^2\})$	512
8	$\mathcal{O}(0; \{2^8, 8^4\})$	64
8	$\mathcal{O}(0; \{2^5, 4^2, 8^4\})$	256
8	$\mathcal{O}(0; \{2^2, 4^4, 8^4\})$	1024
8	$\mathcal{O}(0; \{2^3, 4, 8^6\})$	2048
8	$\mathcal{O}(0; \{4^3, 8^6\})$	8192
8	$\mathcal{O}(0; \{2, 8^8\})$	16384
9	$\mathcal{O}(1; \{3^2, 9^4\})$	52488
9	$\mathcal{O}(0; \{3^5, 9^4\})$	5184
9	$\mathcal{O}(0; \{3, 9^7\})$	61236
10	$\mathcal{O}(2; \{5^3\})$	112500
10	$\mathcal{O}(1; \{2^4, 5^3\})$	1200
10	$\mathcal{O}(1; \{2^2, 5^2, 10^2\})$	5200
10	$\mathcal{O}(1; \{5, 10^4\})$	20400
10	$\mathcal{O}(0; \{2^8, 5^3\})$	12
10	$\mathcal{O}(0; \{2^3, 5^5, 10\})$	820
10	$\mathcal{O}(0; \{2^6, 5^2, 10^2\})$	52
10	$\mathcal{O}(0; \{2, 5^4, 10^3\})$	3276
10	$\mathcal{O}(0; \{2^4, 5, 10^4\})$	204
10	$\mathcal{O}(0; \{2^2, 10^6\})$	820
11	$\mathcal{O}(3; \emptyset)$	1771560
12	$\mathcal{O}(2; \{6^2\})$	38880
12	$\mathcal{O}(1; \{2^2, 3^4\})$	648
12	$\mathcal{O}(1; \{2^3, 3^2, 6\})$	216
12	$\mathcal{O}(1; \{3^2, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{2^4, 6^2\})$	216
12	$\mathcal{O}(1; \{3^3, 6^2\})$	1080

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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	$\mathcal{O}(1; \{2, 4^2, 6^2\})$	576
12	$\mathcal{O}(1; \{2, 3, 6^3\})$	648
12	$\mathcal{O}(1; \{3^3, 4, 12\})$	1728
12	$\mathcal{O}(1; \{2, 3, 4, 6, 12\})$	576
12	$\mathcal{O}(1; \{2, 3^2, 12^2\})$	1728
12	$\mathcal{O}(1; \{2^2, 6, 12^2\})$	576
12	$\mathcal{O}(1; \{12^4\})$	6912
12	$\mathcal{O}(0; \{2^3, 3^4, 4^2\})$	12
12	$\mathcal{O}(0; \{3^4, 4^4\})$	48
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6\})$	4
12	$\mathcal{O}(0; \{3^5, 4^2, 6\})$	44
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 6\})$	16
12	$\mathcal{O}(0; \{2^5, 4^2, 6^2\})$	4
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^2\})$	20
12	$\mathcal{O}(0; \{2^2, 4^4, 6^2\})$	16
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^3\})$	12
12	$\mathcal{O}(0; \{4^2, 6^5\})$	20
12	$\mathcal{O}(0; \{2^4, 3^3, 4, 12\})$	12
12	$\mathcal{O}(0; \{3^6, 4, 12\})$	84
12	$\mathcal{O}(0; \{2, 3^3, 4^3, 12\})$	48
12	$\mathcal{O}(0; \{2^5, 3, 4, 6, 12\})$	4
12	$\mathcal{O}(0; \{2, 3^4, 4, 6, 12\})$	44
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 6, 12\})$	16
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^2, 12\})$	20
12	$\mathcal{O}(0; \{2^3, 4, 6^3, 12\})$	12
12	$\mathcal{O}(0; \{4^3, 6^3, 12\})$	48
12	$\mathcal{O}(0; \{3, 4, 6^4, 12\})$	44
12	$\mathcal{O}(0; \{2^5, 3^2, 12^2\})$	12
12	$\mathcal{O}(0; \{2, 3^5, 12^2\})$	84
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 12^2\})$	48
12	$\mathcal{O}(0; \{2^6, 6, 12^2\})$	4
12	$\mathcal{O}(0; \{2^2, 3^3, 6, 12^2\})$	44
12	$\mathcal{O}(0; \{2^3, 4^2, 6, 12^2\})$	16
12	$\mathcal{O}(0; \{4^4, 6, 12^2\})$	64
12	$\mathcal{O}(0; \{2^3, 3, 6^2, 12^2\})$	20
12	$\mathcal{O}(0; \{3, 4^2, 6^2, 12^2\})$	80
12	$\mathcal{O}(0; \{3^2, 6^3, 12^2\})$	84
12	$\mathcal{O}(0; \{2, 6^4, 12^2\})$	44
12	$\mathcal{O}(0; \{2^3, 3, 4, 12^3\})$	48
12	$\mathcal{O}(0; \{3, 4^3, 12^3\})$	192
12	$\mathcal{O}(0; \{3^2, 4, 6, 12^3\})$	176
12	$\mathcal{O}(0; \{2, 4, 6^2, 12^3\})$	80
12	$\mathcal{O}(0; \{2^4, 12^4\})$	48

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Table 3 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^3, 12^4\})$	336
12	$\mathcal{O}(0; \{2, 4^2, 12^4\})$	192
12	$\mathcal{O}(0; \{2, 3, 6, 12^4\})$	176
14	$\mathcal{O}(1; \{2, 7^2, 14\})$	5880
14	$\mathcal{O}(0; \{2^5, 7^2, 14\})$	30
14	$\mathcal{O}(0; \{2^3, 7, 14^3\})$	186
14	$\mathcal{O}(0; \{2, 14^5\})$	1110
15	$\mathcal{O}(1; \{3^2, 5^2\})$	1800
15	$\mathcal{O}(0; \{3^5, 5^2\})$	40
15	$\mathcal{O}(0; \{3, 5^3, 15^2\})$	408
15	$\mathcal{O}(0; \{3^2, 5, 15^3\})$	520
16	$\mathcal{O}(1; \{2^2, 8^2\})$	768
16	$\mathcal{O}(1; \{8, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^4, 8, 16^2\})$	32
16	$\mathcal{O}(0; \{2, 4^2, 8, 16^2\})$	128
16	$\mathcal{O}(0; \{2^2, 16^4\})$	512
18	$\mathcal{O}(1; \{3, 9^2\})$	2916
18	$\mathcal{O}(0; \{2^4, 3, 9^2\})$	12
18	$\mathcal{O}(0; \{2, 3^2, 6, 9^2\})$	48
18	$\mathcal{O}(0; \{2^2, 6^2, 9^2\})$	24
18	$\mathcal{O}(0; \{6, 9^3, 18\})$	324
18	$\mathcal{O}(0; \{2^2, 3, 9, 18^2\})$	36
18	$\mathcal{O}(0; \{6^2, 9, 18^2\})$	72
18	$\mathcal{O}(0; \{3, 18^4\})$	324
20	$\mathcal{O}(1; \{2, 5, 10\})$	1200
20	$\mathcal{O}(0; \{2^2, 4^2, 5, 10\})$	8
20	$\mathcal{O}(0; \{4^2, 10^3\})$	24
20	$\mathcal{O}(0; \{4, 5^2, 10, 20\})$	104
20	$\mathcal{O}(0; \{2^3, 5, 20^2\})$	24
20	$\mathcal{O}(0; \{4^2, 5, 20^2\})$	96
20	$\mathcal{O}(0; \{2, 10^2, 20^2\})$	104
21	$\mathcal{O}(0; \{3^2, 7, 21^2\})$	180
22	$\mathcal{O}(2; \emptyset)$	219600
22	$\mathcal{O}(1; \{2^4\})$	480
23	$\mathcal{O}(1; \{23^2\})$	11638
24	$\mathcal{O}(1; \{12^2\})$	1728
24	$\mathcal{O}(0; \{3^2, 4, 8^2\})$	16
24	$\mathcal{O}(0; \{2, 3, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{3^3, 8, 24\})$	24
24	$\mathcal{O}(0; \{2, 3, 6, 8, 24\})$	8
24	$\mathcal{O}(0; \{2, 3, 4, 24^2\})$	16
24	$\mathcal{O}(0; \{2^2, 12, 24^2\})$	16
24	$\mathcal{O}(0; \{24^4\})$	384

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
28	$\mathcal{O}(0; \{2^2, 4, 7, 28\})$	12
28	$\mathcal{O}(0; \{4, 14^2, 28\})$	60
30	$\mathcal{O}(0; \{6^2, 10^2\})$	8
30	$\mathcal{O}(0; \{5, 6, 10, 15\})$	24
30	$\mathcal{O}(0; \{3, 10, 15, 30\})$	24
32	$\mathcal{O}(0; \{2, 16, 32^2\})$	128
33	$\mathcal{O}(1; \{3^2\})$	2160
42	$\mathcal{O}(0; \{2, 3, 14, 21\})$	12
44	$\mathcal{O}(1; \{2^2\})$	1440
46	$\mathcal{O}(0; \{2^2, 46^2\})$	22
47	$\mathcal{O}(0; \{47^3\})$	2070
48	$\mathcal{O}(0; \{24, 48^2\})$	64
56	$\mathcal{O}(0; \{8, 14, 56\})$	24
69	$\mathcal{O}(0; \{3, 69^2\})$	44
92	$\mathcal{O}(0; \{2, 92^2\})$	44
94	$\mathcal{O}(0; \{2, 47, 94\})$	46

Table 4: 24-admissible orbifolds.

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(24; \emptyset)$	1
2	$\mathcal{O}(12; \{2^2\})$	16777216
2	$\mathcal{O}(11; \{2^6\})$	4194304
2	$\mathcal{O}(10; \{2^{10}\})$	1048576
2	$\mathcal{O}(9; \{2^{14}\})$	262144
2	$\mathcal{O}(8; \{2^{18}\})$	65536
2	$\mathcal{O}(7; \{2^{22}\})$	16384
2	$\mathcal{O}(6; \{2^{26}\})$	4096
2	$\mathcal{O}(5; \{2^{30}\})$	1024
2	$\mathcal{O}(4; \{2^{34}\})$	256
2	$\mathcal{O}(3; \{2^{38}\})$	64
2	$\mathcal{O}(2; \{2^{42}\})$	16
2	$\mathcal{O}(1; \{2^{46}\})$	4
2	$\mathcal{O}(0; \{2^{50}\})$	1
3	$\mathcal{O}(8; \{3^2\})$	86093442
3	$\mathcal{O}(7; \{3^5\})$	47829690
3	$\mathcal{O}(6; \{3^8\})$	45703926
3	$\mathcal{O}(5; \{3^{11}\})$	40271418
3	$\mathcal{O}(4; \{3^{14}\})$	35836182
3	$\mathcal{O}(3; \{3^{17}\})$	31850010

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Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
3	$\mathcal{O}(2; \{3^{20}\})$	28311606
3	$\mathcal{O}(1; \{3^{23}\})$	25165818
3	$\mathcal{O}(0; \{3^{26}\})$	22369622
4	$\mathcal{O}(6; \{4^2\})$	33554432
4	$\mathcal{O}(5; \{2^4, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2, 4^4\})$	8388608
4	$\mathcal{O}(4; \{2^8, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^5, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^2, 4^6\})$	2097152
4	$\mathcal{O}(3; \{2^{12}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^9, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^6, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^3, 4^8\})$	524288
4	$\mathcal{O}(3; \{4^{10}\})$	2097152
4	$\mathcal{O}(2; \{2^{16}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{13}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{10}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^7, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^4, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2, 4^{12}\})$	524288
4	$\mathcal{O}(1; \{2^{20}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{17}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{14}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{11}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^8, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^5, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^2, 4^{14}\})$	131072
4	$\mathcal{O}(0; \{2^{24}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{21}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{18}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{15}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{12}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^9, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^6, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^3, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{4^{18}\})$	131072
5	$\mathcal{O}(4; \{5^4\})$	20312500
5	$\mathcal{O}(2; \{5^9\})$	32767500
5	$\mathcal{O}(0; \{5^{14}\})$	53687092
6	$\mathcal{O}(4; \{6^2\})$	3359232
6	$\mathcal{O}(3; \{2^2, 3^4\})$	279936
6	$\mathcal{O}(3; \{2^3, 3^2, 6\})$	93312
6	$\mathcal{O}(3; \{2^4, 6^2\})$	93312

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Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{3^3, 6^2\})$	466560
6	$\mathcal{O}(3; \{2, 3, 6^3\})$	279936
6	$\mathcal{O}(2; \{2^6, 3^4\})$	7776
6	$\mathcal{O}(2; \{2^2, 3^7\})$	54432
6	$\mathcal{O}(2; \{2^7, 3^2, 6\})$	2592
6	$\mathcal{O}(2; \{2^3, 3^5, 6\})$	28512
6	$\mathcal{O}(2; \{2^8, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^4, 3^3, 6^2\})$	12960
6	$\mathcal{O}(2; \{3^6, 6^2\})$	111456
6	$\mathcal{O}(2; \{2^5, 3, 6^3\})$	7776
6	$\mathcal{O}(2; \{2, 3^4, 6^3\})$	54432
6	$\mathcal{O}(2; \{2^2, 3^2, 6^4\})$	28512
6	$\mathcal{O}(2; \{2^3, 6^5\})$	12960
6	$\mathcal{O}(2; \{3, 6^6\})$	54432
6	$\mathcal{O}(1; \{2^{10}, 3^4\})$	216
6	$\mathcal{O}(1; \{2^6, 3^7\})$	1512
6	$\mathcal{O}(1; \{2^2, 3^{10}\})$	12312
6	$\mathcal{O}(1; \{2^{11}, 3^2, 6\})$	72
6	$\mathcal{O}(1; \{2^7, 3^5, 6\})$	792
6	$\mathcal{O}(1; \{2^3, 3^8, 6\})$	6120
6	$\mathcal{O}(1; \{2^{12}, 6^2\})$	72
6	$\mathcal{O}(1; \{2^8, 3^3, 6^2\})$	360
6	$\mathcal{O}(1; \{2^4, 3^6, 6^2\})$	3096
6	$\mathcal{O}(1; \{3^9, 6^2\})$	24552
6	$\mathcal{O}(1; \{2^9, 3, 6^3\})$	216
6	$\mathcal{O}(1; \{2^5, 3^4, 6^3\})$	1512
6	$\mathcal{O}(1; \{2, 3^7, 6^3\})$	12312
6	$\mathcal{O}(1; \{2^6, 3^2, 6^4\})$	792
6	$\mathcal{O}(1; \{2^2, 3^5, 6^4\})$	6120
6	$\mathcal{O}(1; \{2^7, 6^5\})$	360
6	$\mathcal{O}(1; \{2^3, 3^3, 6^5\})$	3096
6	$\mathcal{O}(1; \{2^4, 3, 6^6\})$	1512
6	$\mathcal{O}(1; \{3^4, 6^6\})$	12312
6	$\mathcal{O}(1; \{2, 3^2, 6^7\})$	6120
6	$\mathcal{O}(1; \{2^2, 6^8\})$	3096
6	$\mathcal{O}(0; \{2^{14}, 3^4\})$	6
6	$\mathcal{O}(0; \{2^{10}, 3^7\})$	42
6	$\mathcal{O}(0; \{2^6, 3^{10}\})$	342
6	$\mathcal{O}(0; \{2^2, 3^{13}\})$	2730
6	$\mathcal{O}(0; \{2^{15}, 3^2, 6\})$	2
6	$\mathcal{O}(0; \{2^{11}, 3^5, 6\})$	22
6	$\mathcal{O}(0; \{2^7, 3^8, 6\})$	170
6	$\mathcal{O}(0; \{2^3, 3^{11}, 6\})$	1366

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Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{16}, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{12}, 3^3, 6^2\})$	10
6	$\mathcal{O}(0; \{2^8, 3^6, 6^2\})$	86
6	$\mathcal{O}(0; \{2^4, 3^9, 6^2\})$	682
6	$\mathcal{O}(0; \{3^{12}, 6^2\})$	5462
6	$\mathcal{O}(0; \{2^{13}, 3, 6^3\})$	6
6	$\mathcal{O}(0; \{2^9, 3^4, 6^3\})$	42
6	$\mathcal{O}(0; \{2^5, 3^7, 6^3\})$	342
6	$\mathcal{O}(0; \{2, 3^{10}, 6^3\})$	2730
6	$\mathcal{O}(0; \{2^{10}, 3^2, 6^4\})$	22
6	$\mathcal{O}(0; \{2^6, 3^5, 6^4\})$	170
6	$\mathcal{O}(0; \{2^2, 3^8, 6^4\})$	1366
6	$\mathcal{O}(0; \{2^{11}, 6^5\})$	10
6	$\mathcal{O}(0; \{2^7, 3^3, 6^5\})$	86
6	$\mathcal{O}(0; \{2^3, 3^6, 6^5\})$	682
6	$\mathcal{O}(0; \{2^8, 3, 6^6\})$	42
6	$\mathcal{O}(0; \{2^4, 3^4, 6^6\})$	342
6	$\mathcal{O}(0; \{3^7, 6^6\})$	2730
6	$\mathcal{O}(0; \{2^5, 3^2, 6^7\})$	170
6	$\mathcal{O}(0; \{2, 3^5, 6^7\})$	1366
6	$\mathcal{O}(0; \{2^6, 6^8\})$	86
6	$\mathcal{O}(0; \{2^2, 3^3, 6^8\})$	682
6	$\mathcal{O}(0; \{2^3, 3, 6^9\})$	342
6	$\mathcal{O}(0; \{3^2, 6^{10}\})$	1366
6	$\mathcal{O}(0; \{2, 6^{11}\})$	682
7	$\mathcal{O}(3; \{7^3\})$	3529470
7	$\mathcal{O}(0; \{7^{10}\})$	8638026
8	$\mathcal{O}(3; \{8^2\})$	1048576
8	$\mathcal{O}(2; \{2^4, 8^2\})$	16384
8	$\mathcal{O}(2; \{2, 4^2, 8^2\})$	65536
8	$\mathcal{O}(1; \{2^8, 8^2\})$	256
8	$\mathcal{O}(1; \{2^5, 4^2, 8^2\})$	1024
8	$\mathcal{O}(1; \{2^2, 4^4, 8^2\})$	4096
8	$\mathcal{O}(1; \{2^3, 4, 8^4\})$	8192
8	$\mathcal{O}(1; \{4^3, 8^4\})$	32768
8	$\mathcal{O}(1; \{2, 8^6\})$	65536
8	$\mathcal{O}(0; \{2^{12}, 8^2\})$	4
8	$\mathcal{O}(0; \{2^9, 4^2, 8^2\})$	16
8	$\mathcal{O}(0; \{2^6, 4^4, 8^2\})$	64
8	$\mathcal{O}(0; \{2^3, 4^6, 8^2\})$	256
8	$\mathcal{O}(0; \{4^8, 8^2\})$	1024
8	$\mathcal{O}(0; \{2^7, 4, 8^4\})$	128
8	$\mathcal{O}(0; \{2^4, 4^3, 8^4\})$	512

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Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{2, 4^5, 8^4\})$	2048
8	$\mathcal{O}(0; \{2^5, 8^6\})$	1024
8	$\mathcal{O}(0; \{2^2, 4^2, 8^6\})$	4096
8	$\mathcal{O}(0; \{4, 8^8\})$	32768
9	$\mathcal{O}(2; \{3^2, 9^2\})$	157464
9	$\mathcal{O}(1; \{3^5, 9^2\})$	15552
9	$\mathcal{O}(1; \{3, 9^5\})$	131220
9	$\mathcal{O}(0; \{3^8, 9^2\})$	1536
9	$\mathcal{O}(0; \{3^4, 9^5\})$	12960
9	$\mathcal{O}(0; \{9^8\})$	188082
10	$\mathcal{O}(2; \{2^2, 5^2\})$	40000
10	$\mathcal{O}(2; \{5, 10^2\})$	120000
10	$\mathcal{O}(1; \{2^6, 5^2\})$	400
10	$\mathcal{O}(1; \{2, 5^4, 10\})$	20400
10	$\mathcal{O}(1; \{2^4, 5, 10^2\})$	1200
10	$\mathcal{O}(1; \{2^2, 10^4\})$	5200
10	$\mathcal{O}(0; \{2^{10}, 5^2\})$	4
10	$\mathcal{O}(0; \{2^2, 5^7\})$	3276
10	$\mathcal{O}(0; \{2^5, 5^4, 10\})$	204
10	$\mathcal{O}(0; \{2^8, 5, 10^2\})$	12
10	$\mathcal{O}(0; \{5^6, 10^2\})$	13108
10	$\mathcal{O}(0; \{2^3, 5^3, 10^3\})$	820
10	$\mathcal{O}(0; \{2^6, 10^4\})$	52
10	$\mathcal{O}(0; \{2, 5^2, 10^5\})$	3276
12	$\mathcal{O}(2; \{12^2\})$	82944
12	$\mathcal{O}(1; \{2^2, 3^2, 4^2\})$	576
12	$\mathcal{O}(1; \{3, 4^2, 6^2\})$	576
12	$\mathcal{O}(1; \{2^3, 3, 4, 12\})$	576
12	$\mathcal{O}(1; \{3, 4^3, 12\})$	2304
12	$\mathcal{O}(1; \{3^2, 4, 6, 12\})$	1728
12	$\mathcal{O}(1; \{2, 4, 6^2, 12\})$	576
12	$\mathcal{O}(1; \{2^4, 12^2\})$	576
12	$\mathcal{O}(1; \{3^3, 12^2\})$	2880
12	$\mathcal{O}(1; \{2, 4^2, 12^2\})$	2304
12	$\mathcal{O}(1; \{2, 3, 6, 12^2\})$	1728
12	$\mathcal{O}(0; \{2^6, 3^2, 4^2\})$	4
12	$\mathcal{O}(0; \{2^2, 3^5, 4^2\})$	20
12	$\mathcal{O}(0; \{2^3, 3^2, 4^4\})$	16
12	$\mathcal{O}(0; \{3^2, 4^6\})$	64
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6\})$	12
12	$\mathcal{O}(0; \{3^3, 4^4, 6\})$	48
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^2\})$	4
12	$\mathcal{O}(0; \{3^4, 4^2, 6^2\})$	44

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Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^2\})$	16
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^3\})$	20
12	$\mathcal{O}(0; \{2^2, 4^2, 6^4\})$	12
12	$\mathcal{O}(0; \{2^7, 3, 4, 12\})$	4
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 12\})$	20
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 12\})$	16
12	$\mathcal{O}(0; \{3^4, 4^3, 12\})$	80
12	$\mathcal{O}(0; \{2, 3, 4^5, 12\})$	64
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6, 12\})$	12
12	$\mathcal{O}(0; \{3^5, 4, 6, 12\})$	84
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6, 12\})$	48
12	$\mathcal{O}(0; \{2^5, 4, 6^2, 12\})$	4
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^2, 12\})$	44
12	$\mathcal{O}(0; \{2^2, 4^3, 6^2, 12\})$	16
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^3, 12\})$	20
12	$\mathcal{O}(0; \{4, 6^5, 12\})$	44
12	$\mathcal{O}(0; \{2^8, 12^2\})$	4
12	$\mathcal{O}(0; \{2^4, 3^3, 12^2\})$	20
12	$\mathcal{O}(0; \{3^6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^5, 4^2, 12^2\})$	16
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 12^2\})$	80
12	$\mathcal{O}(0; \{2^2, 4^4, 12^2\})$	64
12	$\mathcal{O}(0; \{2^5, 3, 6, 12^2\})$	12
12	$\mathcal{O}(0; \{2, 3^4, 6, 12^2\})$	84
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6, 12^2\})$	48
12	$\mathcal{O}(0; \{2^2, 3^2, 6^2, 12^2\})$	44
12	$\mathcal{O}(0; \{2^3, 6^3, 12^2\})$	20
12	$\mathcal{O}(0; \{4^2, 6^3, 12^2\})$	80
12	$\mathcal{O}(0; \{3, 6^4, 12^2\})$	84
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 12^3\})$	80
12	$\mathcal{O}(0; \{2^3, 4, 6, 12^3\})$	48
12	$\mathcal{O}(0; \{4^3, 6, 12^3\})$	192
12	$\mathcal{O}(0; \{3, 4, 6^2, 12^3\})$	176
12	$\mathcal{O}(0; \{2^3, 3, 12^4\})$	80
12	$\mathcal{O}(0; \{3, 4^2, 12^4\})$	320
12	$\mathcal{O}(0; \{3^2, 6, 12^4\})$	336
12	$\mathcal{O}(0; \{2, 6^2, 12^4\})$	176
12	$\mathcal{O}(0; \{2, 4, 12^5\})$	320
13	$\mathcal{O}(0; \{13^6\})$	229692
14	$\mathcal{O}(1; \{2^3, 7, 14\})$	1176
14	$\mathcal{O}(1; \{2, 14^3\})$	5880
14	$\mathcal{O}(0; \{2^2, 7^5\})$	1110
14	$\mathcal{O}(0; \{2^7, 7, 14\})$	6

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Table 4 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
14	$\mathcal{O}(0; \{7^4, 14^2\})$	6666
14	$\mathcal{O}(0; \{2^5, 14^3\})$	30
15	$\mathcal{O}(1; \{3^2, 5, 15\})$	1800
15	$\mathcal{O}(0; \{3^4, 5^3\})$	72
15	$\mathcal{O}(0; \{3^5, 5, 15\})$	88
15	$\mathcal{O}(0; \{5^4, 15^2\})$	1640
15	$\mathcal{O}(0; \{3, 5^2, 15^3\})$	1224
15	$\mathcal{O}(0; \{3^2, 15^4\})$	1144
16	$\mathcal{O}(1; \{2^2, 16^2\})$	2048
16	$\mathcal{O}(0; \{2^6, 16^2\})$	8
16	$\mathcal{O}(0; \{2^3, 4^2, 16^2\})$	32
16	$\mathcal{O}(0; \{4^4, 16^2\})$	128
16	$\mathcal{O}(0; \{2, 4, 8^2, 16^2\})$	256
17	$\mathcal{O}(0; \{17^5\})$	61680
18	$\mathcal{O}(1; \{3, 18^2\})$	3888
18	$\mathcal{O}(0; \{2^2, 9^4\})$	162
18	$\mathcal{O}(0; \{2, 3^2, 9^2, 18\})$	72
18	$\mathcal{O}(0; \{2^2, 6, 9^2, 18\})$	36
18	$\mathcal{O}(0; \{2^4, 3, 18^2\})$	12
18	$\mathcal{O}(0; \{3^4, 18^2\})$	96
18	$\mathcal{O}(0; \{2, 3^2, 6, 18^2\})$	48
18	$\mathcal{O}(0; \{2^2, 6^2, 18^2\})$	24
18	$\mathcal{O}(0; \{9^3, 18^2\})$	810
18	$\mathcal{O}(0; \{6, 9, 18^3\})$	324
20	$\mathcal{O}(0; \{2^2, 4^2, 10^2\})$	8
20	$\mathcal{O}(0; \{2^2, 4, 5^2, 20\})$	24
20	$\mathcal{O}(0; \{4, 5, 10^2, 20\})$	104
20	$\mathcal{O}(0; \{5^3, 20^2\})$	408
20	$\mathcal{O}(0; \{2^3, 10, 20^2\})$	24
20	$\mathcal{O}(0; \{4^2, 10, 20^2\})$	96
20	$\mathcal{O}(0; \{2, 20^4\})$	416
21	$\mathcal{O}(0; \{3, 7^3, 21\})$	372
21	$\mathcal{O}(0; \{3^2, 21^3\})$	300
23	$\mathcal{O}(2; \emptyset)$	279840
24	$\mathcal{O}(1; \{24^2\})$	4608
24	$\mathcal{O}(0; \{3^2, 6, 8^2\})$	8
24	$\mathcal{O}(0; \{2, 6^2, 8^2\})$	8
24	$\mathcal{O}(0; \{3^2, 4, 8, 24\})$	16
24	$\mathcal{O}(0; \{2, 4, 6, 8, 24\})$	16
24	$\mathcal{O}(0; \{2, 3, 8, 12, 24\})$	16
24	$\mathcal{O}(0; \{2^4, 24^2\})$	8
24	$\mathcal{O}(0; \{3^3, 24^2\})$	40
24	$\mathcal{O}(0; \{2, 4^2, 24^2\})$	32

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2, 3, 6, 24^2\})$	24
25	$\mathcal{O}(0; \{25^4\})$	6500
26	$\mathcal{O}(0; \{2^2, 13^3\})$	132
26	$\mathcal{O}(0; \{13^2, 26^2\})$	1596
27	$\mathcal{O}(0; \{9^2, 27^2\})$	648
28	$\mathcal{O}(0; \{2^2, 4, 14, 28\})$	12
28	$\mathcal{O}(0; \{7^2, 28^2\})$	372
28	$\mathcal{O}(0; \{4, 28^3\})$	240
30	$\mathcal{O}(0; \{2, 3^2, 5, 10\})$	8
30	$\mathcal{O}(0; \{2^2, 3, 15^2\})$	8
30	$\mathcal{O}(0; \{6^2, 15^2\})$	24
30	$\mathcal{O}(0; \{2^2, 3, 10, 30\})$	8
30	$\mathcal{O}(0; \{6^2, 10, 30\})$	8
30	$\mathcal{O}(0; \{5, 6, 15, 30\})$	24
30	$\mathcal{O}(0; \{5^2, 30^2\})$	104
30	$\mathcal{O}(0; \{3, 15, 30^2\})$	72
32	$\mathcal{O}(0; \{2^3, 32^2\})$	16
32	$\mathcal{O}(0; \{4^2, 32^2\})$	64
34	$\mathcal{O}(0; \{2, 17^2, 34\})$	240
35	$\mathcal{O}(0; \{5^2, 7^2\})$	24
36	$\mathcal{O}(0; \{4^2, 9^2\})$	12
36	$\mathcal{O}(0; \{3, 4, 9, 36\})$	24
36	$\mathcal{O}(0; \{2, 9, 12, 36\})$	24
36	$\mathcal{O}(0; \{3^2, 36^2\})$	48
36	$\mathcal{O}(0; \{2, 6, 36^2\})$	24
39	$\mathcal{O}(0; \{3^2, 13^2\})$	24
40	$\mathcal{O}(0; \{2, 5, 8, 40\})$	16
42	$\mathcal{O}(0; \{2, 3, 21, 42\})$	12
46	$\mathcal{O}(1; \{2^2\})$	2112
48	$\mathcal{O}(0; \{2^2, 48^2\})$	16
49	$\mathcal{O}(0; \{49^3\})$	1470
50	$\mathcal{O}(0; \{2^2, 25^2\})$	20
50	$\mathcal{O}(0; \{25, 50^2\})$	300
51	$\mathcal{O}(0; \{17, 51^2\})$	480
52	$\mathcal{O}(0; \{13, 52^2\})$	264
54	$\mathcal{O}(0; \{9, 54^2\})$	108
56	$\mathcal{O}(0; \{8, 28, 56\})$	48
56	$\mathcal{O}(0; \{7, 56^2\})$	120
60	$\mathcal{O}(0; \{6, 20, 60\})$	16
60	$\mathcal{O}(0; \{5, 60^2\})$	48
63	$\mathcal{O}(0; \{7, 9, 63\})$	36
64	$\mathcal{O}(0; \{4, 64^2\})$	64
65	$\mathcal{O}(0; \{5, 13, 65\})$	48

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
68	$\mathcal{O}(0; \{4, 17, 68\})$	32
72	$\mathcal{O}(0; \{3, 72^2\})$	48
75	$\mathcal{O}(0; \{3, 25, 75\})$	40
96	$\mathcal{O}(0; \{2, 96^2\})$	32
98	$\mathcal{O}(0; \{2, 49, 98\})$	42

Table 5: 25-admissible orbifolds.

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(25; \emptyset)$	1
2	$\mathcal{O}(13; \emptyset)$	67108863
2	$\mathcal{O}(12; \{2^4\})$	16777216
2	$\mathcal{O}(11; \{2^8\})$	4194304
2	$\mathcal{O}(10; \{2^{12}\})$	1048576
2	$\mathcal{O}(9; \{2^{16}\})$	262144
2	$\mathcal{O}(8; \{2^{20}\})$	65536
2	$\mathcal{O}(7; \{2^{24}\})$	16384
2	$\mathcal{O}(6; \{2^{28}\})$	4096
2	$\mathcal{O}(5; \{2^{32}\})$	1024
2	$\mathcal{O}(4; \{2^{36}\})$	256
2	$\mathcal{O}(3; \{2^{40}\})$	64
2	$\mathcal{O}(2; \{2^{44}\})$	16
2	$\mathcal{O}(1; \{2^{48}\})$	4
2	$\mathcal{O}(0; \{2^{52}\})$	1
3	$\mathcal{O}(9; \emptyset)$	387420488
3	$\mathcal{O}(8; \{3^3\})$	86093442
3	$\mathcal{O}(7; \{3^6\})$	105225318
3	$\mathcal{O}(6; \{3^9\})$	90344970
3	$\mathcal{O}(5; \{3^{12}\})$	80660934
3	$\mathcal{O}(4; \{3^{15}\})$	71659242
3	$\mathcal{O}(3; \{3^{18}\})$	63701478
3	$\mathcal{O}(2; \{3^{21}\})$	56623050
3	$\mathcal{O}(1; \{3^{24}\})$	50331654
3	$\mathcal{O}(0; \{3^{27}\})$	44739242
4	$\mathcal{O}(7; \emptyset)$	268419072
4	$\mathcal{O}(6; \{2^4\})$	16773120
4	$\mathcal{O}(6; \{2, 4^2\})$	33554432
4	$\mathcal{O}(5; \{2^8\})$	1047552
4	$\mathcal{O}(5; \{2^5, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^2, 4^4\})$	8388608

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(4; \{2^{12}\})$	65280
4	$\mathcal{O}(4; \{2^9, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^6, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^3, 4^6\})$	2097152
4	$\mathcal{O}(4; \{4^8\})$	8388608
4	$\mathcal{O}(3; \{2^{16}\})$	4032
4	$\mathcal{O}(3; \{2^{13}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{10}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^7, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^4, 4^8\})$	524288
4	$\mathcal{O}(3; \{2, 4^{10}\})$	2097152
4	$\mathcal{O}(2; \{2^{20}\})$	240
4	$\mathcal{O}(2; \{2^{17}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{14}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{11}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^8, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^5, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^2, 4^{12}\})$	524288
4	$\mathcal{O}(1; \{2^{24}\})$	12
4	$\mathcal{O}(1; \{2^{21}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{18}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{15}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{12}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^9, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^6, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^3, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{4^{16}\})$	524288
4	$\mathcal{O}(0; \{2^{25}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{22}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{19}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{16}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{13}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{10}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^7, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^4, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2, 4^{18}\})$	131072
5	$\mathcal{O}(5; \{5^2\})$	39062500
5	$\mathcal{O}(3; \{5^7\})$	51187500
5	$\mathcal{O}(1; \{5^{12}\})$	83886100
6	$\mathcal{O}(5; \emptyset)$	60406104
6	$\mathcal{O}(4; \{2^4\})$	1679360
6	$\mathcal{O}(4; \{3^3\})$	3346110
6	$\mathcal{O}(4; \{2, 3, 6\})$	3359232

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(3; \{2^8\})$	46592
6	$\mathcal{O}(3; \{2^4, 3^3\})$	93312
6	$\mathcal{O}(3; \{3^6\})$	1010394
6	$\mathcal{O}(3; \{2^5, 3, 6\})$	93312
6	$\mathcal{O}(3; \{2, 3^4, 6\})$	466560
6	$\mathcal{O}(3; \{2^2, 3^2, 6^2\})$	279936
6	$\mathcal{O}(3; \{2^3, 6^3\})$	93312
6	$\mathcal{O}(3; \{3, 6^4\})$	466560
6	$\mathcal{O}(2; \{2^{12}\})$	1280
6	$\mathcal{O}(2; \{2^8, 3^3\})$	2592
6	$\mathcal{O}(2; \{2^4, 3^6\})$	28512
6	$\mathcal{O}(2; \{3^9\})$	206550
6	$\mathcal{O}(2; \{2^9, 3, 6\})$	2592
6	$\mathcal{O}(2; \{2^5, 3^4, 6\})$	12960
6	$\mathcal{O}(2; \{2, 3^7, 6\})$	111456
6	$\mathcal{O}(2; \{2^6, 3^2, 6^2\})$	7776
6	$\mathcal{O}(2; \{2^2, 3^5, 6^2\})$	54432
6	$\mathcal{O}(2; \{2^7, 6^3\})$	2592
6	$\mathcal{O}(2; \{2^3, 3^3, 6^3\})$	28512
6	$\mathcal{O}(2; \{2^4, 3, 6^4\})$	12960
6	$\mathcal{O}(2; \{3^4, 6^4\})$	111456
6	$\mathcal{O}(2; \{2, 3^2, 6^5\})$	54432
6	$\mathcal{O}(2; \{2^2, 6^6\})$	28512
6	$\mathcal{O}(1; \{2^{16}\})$	32
6	$\mathcal{O}(1; \{2^{12}, 3^3\})$	72
6	$\mathcal{O}(1; \{2^8, 3^6\})$	792
6	$\mathcal{O}(1; \{2^4, 3^9\})$	6120
6	$\mathcal{O}(1; \{3^{12}\})$	36882
6	$\mathcal{O}(1; \{2^{13}, 3, 6\})$	72
6	$\mathcal{O}(1; \{2^9, 3^4, 6\})$	360
6	$\mathcal{O}(1; \{2^5, 3^7, 6\})$	3096
6	$\mathcal{O}(1; \{2, 3^{10}, 6\})$	24552
6	$\mathcal{O}(1; \{2^{10}, 3^2, 6^2\})$	216
6	$\mathcal{O}(1; \{2^6, 3^5, 6^2\})$	1512
6	$\mathcal{O}(1; \{2^2, 3^8, 6^2\})$	12312
6	$\mathcal{O}(1; \{2^{11}, 6^3\})$	72
6	$\mathcal{O}(1; \{2^7, 3^3, 6^3\})$	792
6	$\mathcal{O}(1; \{2^3, 3^6, 6^3\})$	6120
6	$\mathcal{O}(1; \{2^8, 3, 6^4\})$	360
6	$\mathcal{O}(1; \{2^4, 3^4, 6^4\})$	3096
6	$\mathcal{O}(1; \{3^7, 6^4\})$	24552
6	$\mathcal{O}(1; \{2^5, 3^2, 6^5\})$	1512
6	$\mathcal{O}(1; \{2, 3^5, 6^5\})$	12312

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^6, 6^6\})$	792
6	$\mathcal{O}(1; \{2^2, 3^3, 6^6\})$	6120
6	$\mathcal{O}(1; \{2^3, 3, 6^7\})$	3096
6	$\mathcal{O}(1; \{3^2, 6^8\})$	12312
6	$\mathcal{O}(1; \{2, 6^9\})$	6120
6	$\mathcal{O}(0; \{2^{16}, 3^3\})$	2
6	$\mathcal{O}(0; \{2^{12}, 3^6\})$	22
6	$\mathcal{O}(0; \{2^8, 3^9\})$	170
6	$\mathcal{O}(0; \{2^4, 3^{12}\})$	1366
6	$\mathcal{O}(0; \{2^{17}, 3, 6\})$	2
6	$\mathcal{O}(0; \{2^{13}, 3^4, 6\})$	10
6	$\mathcal{O}(0; \{2^9, 3^7, 6\})$	86
6	$\mathcal{O}(0; \{2^5, 3^{10}, 6\})$	682
6	$\mathcal{O}(0; \{2, 3^{13}, 6\})$	5462
6	$\mathcal{O}(0; \{2^{14}, 3^2, 6^2\})$	6
6	$\mathcal{O}(0; \{2^{10}, 3^5, 6^2\})$	42
6	$\mathcal{O}(0; \{2^6, 3^8, 6^2\})$	342
6	$\mathcal{O}(0; \{2^2, 3^{11}, 6^2\})$	2730
6	$\mathcal{O}(0; \{2^{15}, 6^3\})$	2
6	$\mathcal{O}(0; \{2^{11}, 3^3, 6^3\})$	22
6	$\mathcal{O}(0; \{2^7, 3^6, 6^3\})$	170
6	$\mathcal{O}(0; \{2^3, 3^9, 6^3\})$	1366
6	$\mathcal{O}(0; \{2^{12}, 3, 6^4\})$	10
6	$\mathcal{O}(0; \{2^8, 3^4, 6^4\})$	86
6	$\mathcal{O}(0; \{2^4, 3^7, 6^4\})$	682
6	$\mathcal{O}(0; \{3^{10}, 6^4\})$	5462
6	$\mathcal{O}(0; \{2^9, 3^2, 6^5\})$	42
6	$\mathcal{O}(0; \{2^5, 3^5, 6^5\})$	342
6	$\mathcal{O}(0; \{2, 3^8, 6^5\})$	2730
6	$\mathcal{O}(0; \{2^{10}, 6^6\})$	22
6	$\mathcal{O}(0; \{2^6, 3^3, 6^6\})$	170
6	$\mathcal{O}(0; \{2^2, 3^6, 6^6\})$	1366
6	$\mathcal{O}(0; \{2^7, 3, 6^7\})$	86
6	$\mathcal{O}(0; \{2^3, 3^4, 6^7\})$	682
6	$\mathcal{O}(0; \{2^4, 3^2, 6^8\})$	342
6	$\mathcal{O}(0; \{3^5, 6^8\})$	2730
6	$\mathcal{O}(0; \{2^5, 6^9\})$	170
6	$\mathcal{O}(0; \{2, 3^3, 6^9\})$	1366
6	$\mathcal{O}(0; \{2^2, 3, 6^{10}\})$	682
6	$\mathcal{O}(0; \{6^{12}\})$	1366
7	$\mathcal{O}(1; \{7^8\})$	11757354
8	$\mathcal{O}(4; \emptyset)$	16711680
8	$\mathcal{O}(3; \{2^4\})$	258048

Continued on next page

Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{2, 4^2\})$	516096
8	$\mathcal{O}(2; \{2^8\})$	3840
8	$\mathcal{O}(2; \{2^5, 4^2\})$	7680
8	$\mathcal{O}(2; \{2^2, 4^4\})$	30720
8	$\mathcal{O}(2; \{2^3, 4, 8^2\})$	32768
8	$\mathcal{O}(2; \{4^3, 8^2\})$	131072
8	$\mathcal{O}(2; \{2, 8^4\})$	262144
8	$\mathcal{O}(1; \{2^{12}\})$	48
8	$\mathcal{O}(1; \{2^9, 4^2\})$	96
8	$\mathcal{O}(1; \{2^6, 4^4\})$	384
8	$\mathcal{O}(1; \{2^3, 4^6\})$	1536
8	$\mathcal{O}(1; \{4^8\})$	6144
8	$\mathcal{O}(1; \{2^7, 4, 8^2\})$	512
8	$\mathcal{O}(1; \{2^4, 4^3, 8^2\})$	2048
8	$\mathcal{O}(1; \{2, 4^5, 8^2\})$	8192
8	$\mathcal{O}(1; \{2^5, 8^4\})$	4096
8	$\mathcal{O}(1; \{2^2, 4^2, 8^4\})$	16384
8	$\mathcal{O}(1; \{4, 8^6\})$	131072
8	$\mathcal{O}(0; \{2^{11}, 4, 8^2\})$	8
8	$\mathcal{O}(0; \{2^8, 4^3, 8^2\})$	32
8	$\mathcal{O}(0; \{2^5, 4^5, 8^2\})$	128
8	$\mathcal{O}(0; \{2^2, 4^7, 8^2\})$	512
8	$\mathcal{O}(0; \{2^9, 8^4\})$	64
8	$\mathcal{O}(0; \{2^6, 4^2, 8^4\})$	256
8	$\mathcal{O}(0; \{2^3, 4^4, 8^4\})$	1024
8	$\mathcal{O}(0; \{4^6, 8^4\})$	4096
8	$\mathcal{O}(0; \{2^4, 4, 8^6\})$	2048
8	$\mathcal{O}(0; \{2, 4^3, 8^6\})$	8192
8	$\mathcal{O}(0; \{2^2, 8^8\})$	16384
9	$\mathcal{O}(3; \{3^2\})$	1061424
9	$\mathcal{O}(2; \{3^5\})$	64800
9	$\mathcal{O}(2; \{3, 9^3\})$	236196
9	$\mathcal{O}(1; \{3^8\})$	6192
9	$\mathcal{O}(1; \{3^4, 9^3\})$	23328
9	$\mathcal{O}(1; \{9^6\})$	433026
9	$\mathcal{O}(0; \{3^7, 9^3\})$	2304
9	$\mathcal{O}(0; \{3^3, 9^6\})$	42768
10	$\mathcal{O}(2; \{2^2, 10^2\})$	40000
10	$\mathcal{O}(1; \{5^6\})$	61500
10	$\mathcal{O}(1; \{2^3, 5^3, 10\})$	5200
10	$\mathcal{O}(1; \{2^6, 10^2\})$	400
10	$\mathcal{O}(1; \{2, 5^2, 10^3\})$	20400
10	$\mathcal{O}(0; \{2^4, 5^6\})$	820

Continued on next page

Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{2^7, 5^3, 10\})$	52
10	$\mathcal{O}(0; \{2^{10}, 10^2\})$	4
10	$\mathcal{O}(0; \{2^2, 5^5, 10^2\})$	3276
10	$\mathcal{O}(0; \{2^5, 5^2, 10^3\})$	204
10	$\mathcal{O}(0; \{5^4, 10^4\})$	13108
10	$\mathcal{O}(0; \{2^3, 5, 10^5\})$	820
10	$\mathcal{O}(0; \{2, 10^7\})$	3276
11	$\mathcal{O}(0; \{11^7\})$	909090
12	$\mathcal{O}(3; \emptyset)$	2935296
12	$\mathcal{O}(2; \{2^4\})$	19200
12	$\mathcal{O}(2; \{3^3\})$	38880
12	$\mathcal{O}(2; \{2, 4^2\})$	40960
12	$\mathcal{O}(2; \{2, 3, 6\})$	38880
12	$\mathcal{O}(1; \{2^8\})$	96
12	$\mathcal{O}(1; \{2^4, 3^3\})$	216
12	$\mathcal{O}(1; \{3^6\})$	2376
12	$\mathcal{O}(1; \{2^5, 4^2\})$	256
12	$\mathcal{O}(1; \{2, 3^3, 4^2\})$	576
12	$\mathcal{O}(1; \{2^2, 4^4\})$	1024
12	$\mathcal{O}(1; \{2^5, 3, 6\})$	216
12	$\mathcal{O}(1; \{2, 3^4, 6\})$	1080
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{2^2, 3^2, 6^2\})$	648
12	$\mathcal{O}(1; \{2^3, 6^3\})$	216
12	$\mathcal{O}(1; \{4^2, 6^3\})$	576
12	$\mathcal{O}(1; \{3, 6^4\})$	1080
12	$\mathcal{O}(1; \{2^2, 3^2, 4, 12\})$	576
12	$\mathcal{O}(1; \{2^3, 4, 6, 12\})$	576
12	$\mathcal{O}(1; \{4^3, 6, 12\})$	2304
12	$\mathcal{O}(1; \{3, 4, 6^2, 12\})$	1728
12	$\mathcal{O}(1; \{2^3, 3, 12^2\})$	576
12	$\mathcal{O}(1; \{3, 4^2, 12^2\})$	2304
12	$\mathcal{O}(1; \{3^2, 6, 12^2\})$	2880
12	$\mathcal{O}(1; \{2, 6^2, 12^2\})$	1728
12	$\mathcal{O}(1; \{2, 4, 12^3\})$	2304
12	$\mathcal{O}(0; \{2^5, 3^3, 4^2\})$	4
12	$\mathcal{O}(0; \{2, 3^6, 4^2\})$	44
12	$\mathcal{O}(0; \{2^2, 3^3, 4^4\})$	16
12	$\mathcal{O}(0; \{2^6, 3, 4^2, 6\})$	4
12	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6\})$	20
12	$\mathcal{O}(0; \{2^3, 3, 4^4, 6\})$	16
12	$\mathcal{O}(0; \{3, 4^6, 6\})$	64
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^2\})$	12

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{3^2, 4^4, 6^2\})$	48
12	$\mathcal{O}(0; \{2^4, 4^2, 6^3\})$	4
12	$\mathcal{O}(0; \{3^3, 4^2, 6^3\})$	44
12	$\mathcal{O}(0; \{2, 4^4, 6^3\})$	16
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^4\})$	20
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 12\})$	4
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 12\})$	44
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 12\})$	16
12	$\mathcal{O}(0; \{3^2, 4^5, 12\})$	64
12	$\mathcal{O}(0; \{2^7, 4, 6, 12\})$	4
12	$\mathcal{O}(0; \{2^3, 3^3, 4, 6, 12\})$	20
12	$\mathcal{O}(0; \{2^4, 4^3, 6, 12\})$	16
12	$\mathcal{O}(0; \{3^3, 4^3, 6, 12\})$	80
12	$\mathcal{O}(0; \{2, 4^5, 6, 12\})$	64
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^2, 12\})$	12
12	$\mathcal{O}(0; \{3^4, 4, 6^2, 12\})$	84
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^2, 12\})$	48
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^3, 12\})$	44
12	$\mathcal{O}(0; \{2^2, 4, 6^4, 12\})$	20
12	$\mathcal{O}(0; \{2^7, 3, 12^2\})$	4
12	$\mathcal{O}(0; \{2^3, 3^4, 12^2\})$	44
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 12^2\})$	16
12	$\mathcal{O}(0; \{3^4, 4^2, 12^2\})$	176
12	$\mathcal{O}(0; \{2, 3, 4^4, 12^2\})$	64
12	$\mathcal{O}(0; \{2^4, 3^2, 6, 12^2\})$	20
12	$\mathcal{O}(0; \{3^5, 6, 12^2\})$	172
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6, 12^2\})$	80
12	$\mathcal{O}(0; \{2^5, 6^2, 12^2\})$	12
12	$\mathcal{O}(0; \{2, 3^3, 6^2, 12^2\})$	84
12	$\mathcal{O}(0; \{2^2, 4^2, 6^2, 12^2\})$	48
12	$\mathcal{O}(0; \{2^2, 3, 6^3, 12^2\})$	44
12	$\mathcal{O}(0; \{6^5, 12^2\})$	84
12	$\mathcal{O}(0; \{2^5, 4, 12^3\})$	16
12	$\mathcal{O}(0; \{2, 3^3, 4, 12^3\})$	176
12	$\mathcal{O}(0; \{2^2, 4^3, 12^3\})$	64
12	$\mathcal{O}(0; \{2^2, 3, 4, 6, 12^3\})$	80
12	$\mathcal{O}(0; \{4, 6^3, 12^3\})$	176
12	$\mathcal{O}(0; \{2^2, 3^2, 12^4\})$	176
12	$\mathcal{O}(0; \{2^3, 6, 12^4\})$	80
12	$\mathcal{O}(0; \{4^2, 6, 12^4\})$	320
12	$\mathcal{O}(0; \{3, 6^2, 12^4\})$	336
12	$\mathcal{O}(0; \{3, 4, 12^5\})$	704
12	$\mathcal{O}(0; \{2, 12^6\})$	704

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
13	$\mathcal{O}(1; \{13^4\})$	269724
14	$\mathcal{O}(1; \{7^4\})$	27342
14	$\mathcal{O}(0; \{2^4, 7^4\})$	186
14	$\mathcal{O}(0; \{2^2, 7^3, 14^2\})$	1110
14	$\mathcal{O}(0; \{7^2, 14^4\})$	6666
15	$\mathcal{O}(1; \{5^4\})$	10400
15	$\mathcal{O}(1; \{3, 5^2, 15\})$	5400
15	$\mathcal{O}(1; \{3^2, 15^2\})$	5400
15	$\mathcal{O}(0; \{3^3, 5^4\})$	104
15	$\mathcal{O}(0; \{3^4, 5^2, 15\})$	120
15	$\mathcal{O}(0; \{3^5, 15^2\})$	168
15	$\mathcal{O}(0; \{5^3, 15^3\})$	1640
15	$\mathcal{O}(0; \{3, 5, 15^4\})$	2040
16	$\mathcal{O}(2; \{2^2\})$	61440
16	$\mathcal{O}(1; \{2^6\})$	192
16	$\mathcal{O}(1; \{2^3, 4^2\})$	384
16	$\mathcal{O}(1; \{4^4\})$	1536
16	$\mathcal{O}(1; \{2, 4, 8^2\})$	1536
16	$\mathcal{O}(0; \{2^3, 4, 8, 16^2\})$	64
16	$\mathcal{O}(0; \{4^3, 8, 16^2\})$	256
16	$\mathcal{O}(0; \{2, 8^3, 16^2\})$	512
16	$\mathcal{O}(0; \{2, 4, 16^4\})$	1024
17	$\mathcal{O}(1; \{17^3\})$	69360
18	$\mathcal{O}(1; \{3^4\})$	1296
18	$\mathcal{O}(1; \{2, 3^2, 6\})$	576
18	$\mathcal{O}(1; \{2^2, 6^2\})$	576
18	$\mathcal{O}(1; \{9^3\})$	4374
18	$\mathcal{O}(1; \{6, 9, 18\})$	3888
18	$\mathcal{O}(0; \{2^4, 9^3\})$	18
18	$\mathcal{O}(0; \{2, 3, 6, 9^3\})$	72
18	$\mathcal{O}(0; \{2^3, 3^2, 9, 18\})$	24
18	$\mathcal{O}(0; \{2^4, 6, 9, 18\})$	12
18	$\mathcal{O}(0; \{3^3, 6, 9, 18\})$	96
18	$\mathcal{O}(0; \{2, 3, 6^2, 9, 18\})$	48
18	$\mathcal{O}(0; \{2^2, 9^2, 18^2\})$	162
18	$\mathcal{O}(0; \{2, 3^2, 18^3\})$	72
18	$\mathcal{O}(0; \{2^2, 6, 18^3\})$	36
18	$\mathcal{O}(0; \{9, 18^4\})$	810
20	$\mathcal{O}(1; \{5^3\})$	3600
20	$\mathcal{O}(1; \{2, 20^2\})$	3200
20	$\mathcal{O}(0; \{2, 4^2, 5^3\})$	24
20	$\mathcal{O}(0; \{2^2, 4, 5, 10, 20\})$	24
20	$\mathcal{O}(0; \{4, 10^3, 20\})$	104

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2^5, 20^2\})$	8
20	$\mathcal{O}(0; \{2^2, 4^2, 20^2\})$	32
20	$\mathcal{O}(0; \{5^2, 10, 20^2\})$	408
20	$\mathcal{O}(0; \{4, 5, 20^3\})$	416
21	$\mathcal{O}(0; \{3, 7^2, 21^2\})$	372
22	$\mathcal{O}(0; \{2, 11^3, 22\})$	910
24	$\mathcal{O}(2; \emptyset)$	307200
24	$\mathcal{O}(1; \{2^4\})$	384
24	$\mathcal{O}(1; \{3^3\})$	864
24	$\mathcal{O}(1; \{2, 4^2\})$	768
24	$\mathcal{O}(1; \{2, 3, 6\})$	864
24	$\mathcal{O}(0; \{3, 4, 6, 8^2\})$	16
24	$\mathcal{O}(0; \{3^2, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{2, 6, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{2^3, 3, 8, 24\})$	8
24	$\mathcal{O}(0; \{3, 4^2, 8, 24\})$	32
24	$\mathcal{O}(0; \{3^2, 6, 8, 24\})$	24
24	$\mathcal{O}(0; \{2, 6^2, 8, 24\})$	8
24	$\mathcal{O}(0; \{2, 4, 8, 12, 24\})$	32
24	$\mathcal{O}(0; \{3^2, 4, 24^2\})$	48
24	$\mathcal{O}(0; \{2, 4, 6, 24^2\})$	16
24	$\mathcal{O}(0; \{2, 3, 12, 24^2\})$	48
25	$\mathcal{O}(1; \{25^2\})$	12500
26	$\mathcal{O}(1; \{13^2\})$	6084
26	$\mathcal{O}(0; \{2^4, 13^2\})$	12
26	$\mathcal{O}(0; \{2^2, 13, 26^2\})$	132
26	$\mathcal{O}(0; \{26^4\})$	1596
27	$\mathcal{O}(1; \{9^2\})$	3888
27	$\mathcal{O}(0; \{9, 27^3\})$	972
28	$\mathcal{O}(1; \{7^2\})$	3528
28	$\mathcal{O}(0; \{2, 4^2, 7^2\})$	12
28	$\mathcal{O}(0; \{7, 14, 28^2\})$	372
30	$\mathcal{O}(1; \{5^2\})$	2400
30	$\mathcal{O}(0; \{2, 3, 5^2, 6\})$	8
30	$\mathcal{O}(0; \{6, 10, 15^2\})$	24
30	$\mathcal{O}(0; \{2, 3^2, 5, 30\})$	8
30	$\mathcal{O}(0; \{2^2, 5, 6, 30\})$	8
30	$\mathcal{O}(0; \{6, 10^2, 30\})$	24
30	$\mathcal{O}(0; \{5, 10, 15, 30\})$	104
30	$\mathcal{O}(0; \{2^2, 3, 30^2\})$	8
30	$\mathcal{O}(0; \{6^2, 30^2\})$	24
32	$\mathcal{O}(1; \{4^2\})$	1536
33	$\mathcal{O}(0; \{3, 11^2, 33\})$	180

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Table 5 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
34	$\mathcal{O}(0; \{2^3, 17, 34\})$	16
34	$\mathcal{O}(0; \{2, 34^3\})$	240
36	$\mathcal{O}(1; \{3^2\})$	1728
36	$\mathcal{O}(0; \{4^2, 9, 18\})$	12
36	$\mathcal{O}(0; \{3, 4, 18, 36\})$	24
36	$\mathcal{O}(0; \{2, 12, 18, 36\})$	24
36	$\mathcal{O}(0; \{2, 9, 36^2\})$	36
39	$\mathcal{O}(0; \{3^2, 13, 39\})$	24
40	$\mathcal{O}(0; \{2, 4, 40^2\})$	32
42	$\mathcal{O}(0; \{2, 6, 7, 21\})$	12
48	$\mathcal{O}(1; \{2^2\})$	1536
50	$\mathcal{O}(0; \{2^2, 50^2\})$	20
51	$\mathcal{O}(0; \{51^3\})$	480
52	$\mathcal{O}(0; \{26, 52^2\})$	264
54	$\mathcal{O}(0; \{18, 27, 54\})$	108
55	$\mathcal{O}(0; \{11, 55^2\})$	360
60	$\mathcal{O}(0; \{12, 15, 20\})$	16
60	$\mathcal{O}(0; \{10, 12, 60\})$	16
60	$\mathcal{O}(0; \{6, 60^2\})$	16
66	$\mathcal{O}(0; \{6, 11, 66\})$	20
68	$\mathcal{O}(0; \{4, 34, 68\})$	32
75	$\mathcal{O}(0; \{3, 75^2\})$	40
78	$\mathcal{O}(0; \{3, 26, 78\})$	24
100	$\mathcal{O}(0; \{2, 100^2\})$	40
102	$\mathcal{O}(0; \{2, 51, 102\})$	32

Table 6: 26-admissible orbifolds.

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(26; \emptyset)$	1
2	$\mathcal{O}(13; \{2^2\})$	67108864
2	$\mathcal{O}(12; \{2^6\})$	16777216
2	$\mathcal{O}(11; \{2^{10}\})$	4194304
2	$\mathcal{O}(10; \{2^{14}\})$	1048576
2	$\mathcal{O}(9; \{2^{18}\})$	262144
2	$\mathcal{O}(8; \{2^{22}\})$	65536
2	$\mathcal{O}(7; \{2^{26}\})$	16384
2	$\mathcal{O}(6; \{2^{30}\})$	4096
2	$\mathcal{O}(5; \{2^{34}\})$	1024
2	$\mathcal{O}(4; \{2^{38}\})$	256

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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	$\mathcal{O}(3; \{2^{42}\})$	64
2	$\mathcal{O}(2; \{2^{46}\})$	16
2	$\mathcal{O}(1; \{2^{50}\})$	4
2	$\mathcal{O}(0; \{2^{54}\})$	1
3	$\mathcal{O}(8; \{3^4\})$	258280326
3	$\mathcal{O}(7; \{3^7\})$	200884698
3	$\mathcal{O}(6; \{3^{10}\})$	181752822
3	$\mathcal{O}(5; \{3^{13}\})$	161203770
3	$\mathcal{O}(4; \{3^{16}\})$	143331606
3	$\mathcal{O}(3; \{3^{19}\})$	127401498
3	$\mathcal{O}(2; \{3^{22}\})$	113246262
3	$\mathcal{O}(1; \{3^{25}\})$	100663290
3	$\mathcal{O}(0; \{3^{28}\})$	89478486
4	$\mathcal{O}(6; \{2^2, 4^2\})$	33554432
4	$\mathcal{O}(5; \{2^6, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^3, 4^4\})$	8388608
4	$\mathcal{O}(5; \{4^6\})$	33554432
4	$\mathcal{O}(4; \{2^{10}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^7, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^4, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2, 4^8\})$	8388608
4	$\mathcal{O}(3; \{2^{14}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{11}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^8, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^5, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^2, 4^{10}\})$	2097152
4	$\mathcal{O}(2; \{2^{18}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{15}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{12}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^9, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^6, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^3, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{4^{14}\})$	2097152
4	$\mathcal{O}(1; \{2^{22}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{19}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{16}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{13}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{10}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^7, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^4, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2, 4^{16}\})$	524288
4	$\mathcal{O}(0; \{2^{26}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{23}, 4^4\})$	8

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(0; \{2^{20}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{17}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{14}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{11}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^8, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^5, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^2, 4^{18}\})$	131072
5	$\mathcal{O}(6; \emptyset)$	244140624
5	$\mathcal{O}(4; \{5^5\})$	79687500
5	$\mathcal{O}(2; \{5^{10}\})$	131072500
5	$\mathcal{O}(0; \{5^{15}\})$	214748364
6	$\mathcal{O}(4; \{2^2, 3^2\})$	3359232
6	$\mathcal{O}(4; \{3, 6^2\})$	3359232
6	$\mathcal{O}(3; \{2^6, 3^2\})$	93312
6	$\mathcal{O}(3; \{2^2, 3^5\})$	466560
6	$\mathcal{O}(3; \{2^3, 3^3, 6\})$	279936
6	$\mathcal{O}(3; \{2^4, 3, 6^2\})$	93312
6	$\mathcal{O}(3; \{3^4, 6^2\})$	1026432
6	$\mathcal{O}(3; \{2, 3^2, 6^3\})$	466560
6	$\mathcal{O}(3; \{2^2, 6^4\})$	279936
6	$\mathcal{O}(2; \{2^{10}, 3^2\})$	2592
6	$\mathcal{O}(2; \{2^6, 3^5\})$	12960
6	$\mathcal{O}(2; \{2^2, 3^8\})$	111456
6	$\mathcal{O}(2; \{2^7, 3^3, 6\})$	7776
6	$\mathcal{O}(2; \{2^3, 3^6, 6\})$	54432
6	$\mathcal{O}(2; \{2^8, 3, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^4, 3^4, 6^2\})$	28512
6	$\mathcal{O}(2; \{3^7, 6^2\})$	220320
6	$\mathcal{O}(2; \{2^5, 3^2, 6^3\})$	12960
6	$\mathcal{O}(2; \{2, 3^5, 6^3\})$	111456
6	$\mathcal{O}(2; \{2^6, 6^4\})$	7776
6	$\mathcal{O}(2; \{2^2, 3^3, 6^4\})$	54432
6	$\mathcal{O}(2; \{2^3, 3, 6^5\})$	28512
6	$\mathcal{O}(2; \{3^2, 6^6\})$	111456
6	$\mathcal{O}(2; \{2, 6^7\})$	54432
6	$\mathcal{O}(1; \{2^{14}, 3^2\})$	72
6	$\mathcal{O}(1; \{2^{10}, 3^5\})$	360
6	$\mathcal{O}(1; \{2^6, 3^8\})$	3096
6	$\mathcal{O}(1; \{2^2, 3^{11}\})$	24552
6	$\mathcal{O}(1; \{2^{11}, 3^3, 6\})$	216
6	$\mathcal{O}(1; \{2^7, 3^6, 6\})$	1512
6	$\mathcal{O}(1; \{2^3, 3^9, 6\})$	12312
6	$\mathcal{O}(1; \{2^{12}, 3, 6^2\})$	72

Continued on next page

Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(1; \{2^8, 3^4, 6^2\})$	792
6	$\mathcal{O}(1; \{2^4, 3^7, 6^2\})$	6120
6	$\mathcal{O}(1; \{3^{10}, 6^2\})$	49176
6	$\mathcal{O}(1; \{2^9, 3^2, 6^3\})$	360
6	$\mathcal{O}(1; \{2^5, 3^5, 6^3\})$	3096
6	$\mathcal{O}(1; \{2, 3^8, 6^3\})$	24552
6	$\mathcal{O}(1; \{2^{10}, 6^4\})$	216
6	$\mathcal{O}(1; \{2^6, 3^3, 6^4\})$	1512
6	$\mathcal{O}(1; \{2^2, 3^6, 6^4\})$	12312
6	$\mathcal{O}(1; \{2^7, 3, 6^5\})$	792
6	$\mathcal{O}(1; \{2^3, 3^4, 6^5\})$	6120
6	$\mathcal{O}(1; \{2^4, 3^2, 6^6\})$	3096
6	$\mathcal{O}(1; \{3^5, 6^6\})$	24552
6	$\mathcal{O}(1; \{2^5, 6^7\})$	1512
6	$\mathcal{O}(1; \{2, 3^3, 6^7\})$	12312
6	$\mathcal{O}(1; \{2^2, 3, 6^8\})$	6120
6	$\mathcal{O}(1; \{6^{10}\})$	12312
6	$\mathcal{O}(0; \{2^{18}, 3^2\})$	2
6	$\mathcal{O}(0; \{2^{14}, 3^5\})$	10
6	$\mathcal{O}(0; \{2^{10}, 3^8\})$	86
6	$\mathcal{O}(0; \{2^6, 3^{11}\})$	682
6	$\mathcal{O}(0; \{2^2, 3^{14}\})$	5462
6	$\mathcal{O}(0; \{2^{15}, 3^3, 6\})$	6
6	$\mathcal{O}(0; \{2^{11}, 3^6, 6\})$	42
6	$\mathcal{O}(0; \{2^7, 3^9, 6\})$	342
6	$\mathcal{O}(0; \{2^3, 3^{12}, 6\})$	2730
6	$\mathcal{O}(0; \{2^{16}, 3, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{12}, 3^4, 6^2\})$	22
6	$\mathcal{O}(0; \{2^8, 3^7, 6^2\})$	170
6	$\mathcal{O}(0; \{2^4, 3^{10}, 6^2\})$	1366
6	$\mathcal{O}(0; \{3^{13}, 6^2\})$	10922
6	$\mathcal{O}(0; \{2^{13}, 3^2, 6^3\})$	10
6	$\mathcal{O}(0; \{2^9, 3^5, 6^3\})$	86
6	$\mathcal{O}(0; \{2^5, 3^8, 6^3\})$	682
6	$\mathcal{O}(0; \{2, 3^{11}, 6^3\})$	5462
6	$\mathcal{O}(0; \{2^{14}, 6^4\})$	6
6	$\mathcal{O}(0; \{2^{10}, 3^3, 6^4\})$	42
6	$\mathcal{O}(0; \{2^6, 3^6, 6^4\})$	342
6	$\mathcal{O}(0; \{2^2, 3^9, 6^4\})$	2730
6	$\mathcal{O}(0; \{2^{11}, 3, 6^5\})$	22
6	$\mathcal{O}(0; \{2^7, 3^4, 6^5\})$	170
6	$\mathcal{O}(0; \{2^3, 3^7, 6^5\})$	1366
6	$\mathcal{O}(0; \{2^8, 3^2, 6^6\})$	86

Continued on next page

Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^4, 3^5, 6^6\})$	682
6	$\mathcal{O}(0; \{3^8, 6^6\})$	5462
6	$\mathcal{O}(0; \{2^9, 6^7\})$	42
6	$\mathcal{O}(0; \{2^5, 3^3, 6^7\})$	342
6	$\mathcal{O}(0; \{2, 3^6, 6^7\})$	2730
6	$\mathcal{O}(0; \{2^6, 3, 6^8\})$	170
6	$\mathcal{O}(0; \{2^2, 3^4, 6^8\})$	1366
6	$\mathcal{O}(0; \{2^3, 3^2, 6^9\})$	682
6	$\mathcal{O}(0; \{2^4, 6^{10}\})$	342
6	$\mathcal{O}(0; \{3^3, 6^{10}\})$	2730
6	$\mathcal{O}(0; \{2, 3, 6^{11}\})$	1366
7	$\mathcal{O}(2; \{7^6\})$	16005066
8	$\mathcal{O}(3; \{2, 8^2\})$	1048576
8	$\mathcal{O}(2; \{2^5, 8^2\})$	16384
8	$\mathcal{O}(2; \{2^2, 4^2, 8^2\})$	65536
8	$\mathcal{O}(2; \{4, 8^4\})$	524288
8	$\mathcal{O}(1; \{2^9, 8^2\})$	256
8	$\mathcal{O}(1; \{2^6, 4^2, 8^2\})$	1024
8	$\mathcal{O}(1; \{2^3, 4^4, 8^2\})$	4096
8	$\mathcal{O}(1; \{4^6, 8^2\})$	16384
8	$\mathcal{O}(1; \{2^4, 4, 8^4\})$	8192
8	$\mathcal{O}(1; \{2, 4^3, 8^4\})$	32768
8	$\mathcal{O}(1; \{2^2, 8^6\})$	65536
8	$\mathcal{O}(0; \{2^{13}, 8^2\})$	4
8	$\mathcal{O}(0; \{2^{10}, 4^2, 8^2\})$	16
8	$\mathcal{O}(0; \{2^7, 4^4, 8^2\})$	64
8	$\mathcal{O}(0; \{2^4, 4^6, 8^2\})$	256
8	$\mathcal{O}(0; \{2, 4^8, 8^2\})$	1024
8	$\mathcal{O}(0; \{2^8, 4, 8^4\})$	128
8	$\mathcal{O}(0; \{2^5, 4^3, 8^4\})$	512
8	$\mathcal{O}(0; \{2^2, 4^5, 8^4\})$	2048
8	$\mathcal{O}(0; \{2^6, 8^6\})$	1024
8	$\mathcal{O}(0; \{2^3, 4^2, 8^6\})$	4096
8	$\mathcal{O}(0; \{4^4, 8^6\})$	16384
8	$\mathcal{O}(0; \{2, 4, 8^8\})$	32768
9	$\mathcal{O}(2; \{9^4\})$	1062882
9	$\mathcal{O}(1; \{3^3, 9^4\})$	104976
9	$\mathcal{O}(0; \{3^6, 9^4\})$	10368
9	$\mathcal{O}(0; \{3^2, 9^7\})$	122472
10	$\mathcal{O}(3; \{2^2\})$	999936
10	$\mathcal{O}(2; \{2^6\})$	9984
10	$\mathcal{O}(2; \{2, 5^2, 10\})$	120000
10	$\mathcal{O}(1; \{2^{10}\})$	96

Continued on next page

Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(1; \{2^2, 5^5\})$	20400
10	$\mathcal{O}(1; \{2^5, 5^2, 10\})$	1200
10	$\mathcal{O}(1; \{5^4, 10^2\})$	82000
10	$\mathcal{O}(1; \{2^3, 5, 10^3\})$	5200
10	$\mathcal{O}(1; \{2, 10^5\})$	20400
10	$\mathcal{O}(0; \{2^6, 5^5\})$	204
10	$\mathcal{O}(0; \{2^9, 5^2, 10\})$	12
10	$\mathcal{O}(0; \{2, 5^7, 10\})$	13108
10	$\mathcal{O}(0; \{2^4, 5^4, 10^2\})$	820
10	$\mathcal{O}(0; \{2^7, 5, 10^3\})$	52
10	$\mathcal{O}(0; \{2^2, 5^3, 10^4\})$	3276
10	$\mathcal{O}(0; \{2^5, 10^5\})$	204
10	$\mathcal{O}(0; \{5^2, 10^6\})$	13108
11	$\mathcal{O}(1; \{11^5\})$	1099890
12	$\mathcal{O}(1; \{3^4, 4^2\})$	1728
12	$\mathcal{O}(1; \{2, 3^2, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{2^2, 4^2, 6^2\})$	576
12	$\mathcal{O}(1; \{2, 3^3, 4, 12\})$	1728
12	$\mathcal{O}(1; \{2^2, 3, 4, 6, 12\})$	576
12	$\mathcal{O}(1; \{4, 6^3, 12\})$	1728
12	$\mathcal{O}(1; \{2^2, 3^2, 12^2\})$	1728
12	$\mathcal{O}(1; \{2^3, 6, 12^2\})$	576
12	$\mathcal{O}(1; \{4^2, 6, 12^2\})$	2304
12	$\mathcal{O}(1; \{3, 6^2, 12^2\})$	2880
12	$\mathcal{O}(1; \{3, 4, 12^3\})$	6912
12	$\mathcal{O}(1; \{2, 12^4\})$	6912
12	$\mathcal{O}(0; \{2^4, 3^4, 4^2\})$	12
12	$\mathcal{O}(0; \{3^7, 4^2\})$	84
12	$\mathcal{O}(0; \{2, 3^4, 4^4\})$	48
12	$\mathcal{O}(0; \{2^5, 3^2, 4^2, 6\})$	4
12	$\mathcal{O}(0; \{2, 3^5, 4^2, 6\})$	44
12	$\mathcal{O}(0; \{2^2, 3^2, 4^4, 6\})$	16
12	$\mathcal{O}(0; \{2^6, 4^2, 6^2\})$	4
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 6^2\})$	20
12	$\mathcal{O}(0; \{2^3, 4^4, 6^2\})$	16
12	$\mathcal{O}(0; \{4^6, 6^2\})$	64
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6^3\})$	12
12	$\mathcal{O}(0; \{3, 4^4, 6^3\})$	48
12	$\mathcal{O}(0; \{3^2, 4^2, 6^4\})$	44
12	$\mathcal{O}(0; \{2, 4^2, 6^5\})$	20
12	$\mathcal{O}(0; \{2^5, 3^3, 4, 12\})$	12
12	$\mathcal{O}(0; \{2, 3^6, 4, 12\})$	84
12	$\mathcal{O}(0; \{2^2, 3^3, 4^3, 12\})$	48

Continued on next page

Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^6, 3, 4, 6, 12\})$	4
12	$\mathcal{O}(0; \{2^2, 3^4, 4, 6, 12\})$	44
12	$\mathcal{O}(0; \{2^3, 3, 4^3, 6, 12\})$	16
12	$\mathcal{O}(0; \{3, 4^5, 6, 12\})$	64
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 6^2, 12\})$	20
12	$\mathcal{O}(0; \{3^2, 4^3, 6^2, 12\})$	80
12	$\mathcal{O}(0; \{2^4, 4, 6^3, 12\})$	12
12	$\mathcal{O}(0; \{3^3, 4, 6^3, 12\})$	84
12	$\mathcal{O}(0; \{2, 4^3, 6^3, 12\})$	48
12	$\mathcal{O}(0; \{2, 3, 4, 6^4, 12\})$	44
12	$\mathcal{O}(0; \{2^6, 3^2, 12^2\})$	12
12	$\mathcal{O}(0; \{2^2, 3^5, 12^2\})$	84
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 12^2\})$	48
12	$\mathcal{O}(0; \{3^2, 4^4, 12^2\})$	192
12	$\mathcal{O}(0; \{2^7, 6, 12^2\})$	4
12	$\mathcal{O}(0; \{2^3, 3^3, 6, 12^2\})$	44
12	$\mathcal{O}(0; \{2^4, 4^2, 6, 12^2\})$	16
12	$\mathcal{O}(0; \{3^3, 4^2, 6, 12^2\})$	176
12	$\mathcal{O}(0; \{2, 4^4, 6, 12^2\})$	64
12	$\mathcal{O}(0; \{2^4, 3, 6^2, 12^2\})$	20
12	$\mathcal{O}(0; \{3^4, 6^2, 12^2\})$	172
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^2, 12^2\})$	80
12	$\mathcal{O}(0; \{2, 3^2, 6^3, 12^2\})$	84
12	$\mathcal{O}(0; \{2^2, 6^4, 12^2\})$	44
12	$\mathcal{O}(0; \{2^4, 3, 4, 12^3\})$	48
12	$\mathcal{O}(0; \{3^4, 4, 12^3\})$	336
12	$\mathcal{O}(0; \{2, 3, 4^3, 12^3\})$	192
12	$\mathcal{O}(0; \{2, 3^2, 4, 6, 12^3\})$	176
12	$\mathcal{O}(0; \{2^2, 4, 6^2, 12^3\})$	80
12	$\mathcal{O}(0; \{2^5, 12^4\})$	48
12	$\mathcal{O}(0; \{2, 3^3, 12^4\})$	336
12	$\mathcal{O}(0; \{2^2, 4^2, 12^4\})$	192
12	$\mathcal{O}(0; \{2^2, 3, 6, 12^4\})$	176
12	$\mathcal{O}(0; \{6^3, 12^4\})$	336
12	$\mathcal{O}(0; \{4, 6, 12^5\})$	704
12	$\mathcal{O}(0; \{3, 12^6\})$	1344
13	$\mathcal{O}(2; \{13^2\})$	342732
14	$\mathcal{O}(1; \{2^2, 7^3\})$	5880
14	$\mathcal{O}(1; \{7^2, 14^2\})$	36456
14	$\mathcal{O}(0; \{2^6, 7^3\})$	30
14	$\mathcal{O}(0; \{2^4, 7^2, 14^2\})$	186
14	$\mathcal{O}(0; \{2^2, 7, 14^4\})$	1110
14	$\mathcal{O}(0; \{14^6\})$	6666

Continued on next page

Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(2; \{3^2\})$	101088
15	$\mathcal{O}(1; \{3^5\})$	2160
15	$\mathcal{O}(1; \{3, 5, 15^2\})$	5400
15	$\mathcal{O}(0; \{3^2, 5^5\})$	408
15	$\mathcal{O}(0; \{3^3, 5^3, 15\})$	312
15	$\mathcal{O}(0; \{3^4, 5, 15^2\})$	264
15	$\mathcal{O}(0; \{5^2, 15^4\})$	4920
15	$\mathcal{O}(0; \{3, 15^5\})$	4488
16	$\mathcal{O}(1; \{2, 4, 16^2\})$	4096
16	$\mathcal{O}(0; \{2^5, 4, 16^2\})$	16
16	$\mathcal{O}(0; \{2^2, 4^3, 16^2\})$	64
16	$\mathcal{O}(0; \{2^3, 8^2, 16^2\})$	128
16	$\mathcal{O}(0; \{4^2, 8^2, 16^2\})$	512
16	$\mathcal{O}(0; \{2, 8, 16^4\})$	2048
18	$\mathcal{O}(1; \{2^2, 9^2\})$	1944
18	$\mathcal{O}(1; \{9, 18^2\})$	5832
18	$\mathcal{O}(0; \{2^6, 9^2\})$	6
18	$\mathcal{O}(0; \{2^2, 3^3, 9^2\})$	48
18	$\mathcal{O}(0; \{2^3, 3, 6, 9^2\})$	24
18	$\mathcal{O}(0; \{3^2, 6^2, 9^2\})$	96
18	$\mathcal{O}(0; \{2, 6^3, 9^2\})$	48
18	$\mathcal{O}(0; \{2, 3, 9^3, 18\})$	324
18	$\mathcal{O}(0; \{2^4, 9, 18^2\})$	18
18	$\mathcal{O}(0; \{3^3, 9, 18^2\})$	144
18	$\mathcal{O}(0; \{2, 3, 6, 9, 18^2\})$	72
18	$\mathcal{O}(0; \{2^2, 18^4\})$	162
20	$\mathcal{O}(1; \{2^2, 4^2\})$	768
20	$\mathcal{O}(1; \{4, 5, 20\})$	3200
20	$\mathcal{O}(0; \{2, 4^2, 5^2, 10\})$	24
20	$\mathcal{O}(0; \{2^4, 4, 5, 20\})$	8
20	$\mathcal{O}(0; \{2, 4^3, 5, 20\})$	32
20	$\mathcal{O}(0; \{2^2, 4, 10^2, 20\})$	24
20	$\mathcal{O}(0; \{2^2, 5^2, 20^2\})$	104
20	$\mathcal{O}(0; \{5, 10^2, 20^2\})$	408
20	$\mathcal{O}(0; \{4, 10, 20^3\})$	416
21	$\mathcal{O}(0; \{3^4, 7^2\})$	36
21	$\mathcal{O}(0; \{3, 7, 21^3\})$	1116
22	$\mathcal{O}(0; \{2^3, 11^2, 22\})$	90
22	$\mathcal{O}(0; \{2, 11, 22^3\})$	910
24	$\mathcal{O}(0; \{2^2, 3^2, 8^2\})$	8
24	$\mathcal{O}(0; \{3, 6^2, 8^2\})$	8
24	$\mathcal{O}(0; \{3, 4, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{2, 8^2, 12^2\})$	32

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{3, 4, 6, 8, 24\})$	16
24	$\mathcal{O}(0; \{3^2, 8, 12, 24\})$	48
24	$\mathcal{O}(0; \{2, 6, 8, 12, 24\})$	16
24	$\mathcal{O}(0; \{2^3, 3, 24^2\})$	8
24	$\mathcal{O}(0; \{3, 4^2, 24^2\})$	32
24	$\mathcal{O}(0; \{3^2, 6, 24^2\})$	40
24	$\mathcal{O}(0; \{2, 6^2, 24^2\})$	24
24	$\mathcal{O}(0; \{2, 4, 12, 24^2\})$	32
25	$\mathcal{O}(2; \emptyset)$	390000
26	$\mathcal{O}(1; \{26^2\})$	8112
26	$\mathcal{O}(0; \{2^4, 26^2\})$	12
27	$\mathcal{O}(0; \{27^4\})$	4374
28	$\mathcal{O}(0; \{2, 4^2, 7, 14\})$	12
28	$\mathcal{O}(0; \{2^2, 7, 28^2\})$	60
28	$\mathcal{O}(0; \{14^2, 28^2\})$	372
30	$\mathcal{O}(1; \{6^2\})$	1728
30	$\mathcal{O}(0; \{2, 3^2, 10, 15\})$	8
30	$\mathcal{O}(0; \{2^2, 6, 10, 15\})$	8
30	$\mathcal{O}(0; \{2^2, 5, 15^2\})$	24
30	$\mathcal{O}(0; \{10^2, 15^2\})$	104
30	$\mathcal{O}(0; \{6, 15^2, 30\})$	72
30	$\mathcal{O}(0; \{6, 10, 30^2\})$	24
30	$\mathcal{O}(0; \{5, 15, 30^2\})$	104
32	$\mathcal{O}(0; \{4, 8, 32^2\})$	128
33	$\mathcal{O}(0; \{3, 11, 33^2\})$	180
35	$\mathcal{O}(0; \{5^2, 7, 35\})$	72
36	$\mathcal{O}(0; \{4^2, 18^2\})$	12
36	$\mathcal{O}(0; \{2, 18, 36^2\})$	36
39	$\mathcal{O}(0; \{3^2, 39^2\})$	72
40	$\mathcal{O}(0; \{2, 8, 10, 40\})$	16
40	$\mathcal{O}(0; \{2, 5, 40^2\})$	48
42	$\mathcal{O}(0; \{3^2, 14^2\})$	12
44	$\mathcal{O}(0; \{2, 4, 11, 44\})$	20
50	$\mathcal{O}(1; \{2^2\})$	2400
52	$\mathcal{O}(0; \{2^2, 52^2\})$	24
53	$\mathcal{O}(0; \{53^3\})$	2652
54	$\mathcal{O}(0; \{2^2, 27^2\})$	18
54	$\mathcal{O}(0; \{27, 54^2\})$	162
56	$\mathcal{O}(0; \{14, 56^2\})$	120
60	$\mathcal{O}(0; \{12, 20, 30\})$	16
60	$\mathcal{O}(0; \{12, 15, 60\})$	16
65	$\mathcal{O}(0; \{5, 65^2\})$	144
66	$\mathcal{O}(0; \{6, 22, 33\})$	20

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Table 6 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
70	$\mathcal{O}(0; \{5, 14, 70\})$	24
78	$\mathcal{O}(0; \{3, 78^2\})$	24
104	$\mathcal{O}(0; \{2, 104^2\})$	48
106	$\mathcal{O}(0; \{2, 53, 106\})$	52

Table 7: 27-admissible orbifolds.

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(27; \emptyset)$	1
2	$\mathcal{O}(14; \emptyset)$	268435455
2	$\mathcal{O}(13; \{2^4\})$	67108864
2	$\mathcal{O}(12; \{2^8\})$	16777216
2	$\mathcal{O}(11; \{2^{12}\})$	4194304
2	$\mathcal{O}(10; \{2^{16}\})$	1048576
2	$\mathcal{O}(9; \{2^{20}\})$	262144
2	$\mathcal{O}(8; \{2^{24}\})$	65536
2	$\mathcal{O}(7; \{2^{28}\})$	16384
2	$\mathcal{O}(6; \{2^{32}\})$	4096
2	$\mathcal{O}(5; \{2^{36}\})$	1024
2	$\mathcal{O}(4; \{2^{40}\})$	256
2	$\mathcal{O}(3; \{2^{44}\})$	64
2	$\mathcal{O}(2; \{2^{48}\})$	16
2	$\mathcal{O}(1; \{2^{52}\})$	4
2	$\mathcal{O}(0; \{2^{56}\})$	1
3	$\mathcal{O}(9; \{3^2\})$	774840978
3	$\mathcal{O}(8; \{3^5\})$	430467210
3	$\mathcal{O}(7; \{3^8\})$	411335334
3	$\mathcal{O}(6; \{3^{11}\})$	362442762
3	$\mathcal{O}(5; \{3^{14}\})$	322525638
3	$\mathcal{O}(4; \{3^{17}\})$	286650090
3	$\mathcal{O}(3; \{3^{20}\})$	254804454
3	$\mathcal{O}(2; \{3^{23}\})$	226492362
3	$\mathcal{O}(1; \{3^{26}\})$	201326598
3	$\mathcal{O}(0; \{3^{29}\})$	178956970
4	$\mathcal{O}(7; \{2^2\})$	268419072
4	$\mathcal{O}(6; \{2^6\})$	16773120
4	$\mathcal{O}(6; \{2^3, 4^2\})$	33554432
4	$\mathcal{O}(6; \{4^4\})$	134217728
4	$\mathcal{O}(5; \{2^{10}\})$	1047552
4	$\mathcal{O}(5; \{2^7, 4^2\})$	2097152
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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	$\mathcal{O}(5; \{2^4, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2, 4^6\})$	33554432
4	$\mathcal{O}(4; \{2^{14}\})$	65280
4	$\mathcal{O}(4; \{2^{11}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^8, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^5, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^2, 4^8\})$	8388608
4	$\mathcal{O}(3; \{2^{18}\})$	4032
4	$\mathcal{O}(3; \{2^{15}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{12}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^9, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^6, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^3, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{4^{12}\})$	8388608
4	$\mathcal{O}(2; \{2^{22}\})$	240
4	$\mathcal{O}(2; \{2^{19}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{16}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{13}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{10}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^7, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^4, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2, 4^{14}\})$	2097152
4	$\mathcal{O}(1; \{2^{26}\})$	12
4	$\mathcal{O}(1; \{2^{23}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{20}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{17}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{14}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{11}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^8, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^5, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^2, 4^{16}\})$	524288
4	$\mathcal{O}(0; \{2^{27}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{24}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{21}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{18}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{15}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{12}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^9, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^6, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^3, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{4^{20}\})$	524288
5	$\mathcal{O}(5; \{5^3\})$	117187500
5	$\mathcal{O}(3; \{5^8\})$	204812500

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
5	$\mathcal{O}(1; \{5^{13}\})$	335544300
6	$\mathcal{O}(4; \{3^4\})$	10038330
6	$\mathcal{O}(4; \{2, 3^2, 6\})$	3359232
6	$\mathcal{O}(4; \{2^2, 6^2\})$	3359232
6	$\mathcal{O}(3; \{2^4, 3^4\})$	279936
6	$\mathcal{O}(3; \{3^7\})$	1928934
6	$\mathcal{O}(3; \{2^5, 3^2, 6\})$	93312
6	$\mathcal{O}(3; \{2, 3^5, 6\})$	1026432
6	$\mathcal{O}(3; \{2^6, 6^2\})$	93312
6	$\mathcal{O}(3; \{2^2, 3^3, 6^2\})$	466560
6	$\mathcal{O}(3; \{2^3, 3, 6^3\})$	279936
6	$\mathcal{O}(3; \{3^2, 6^4\})$	1026432
6	$\mathcal{O}(3; \{2, 6^5\})$	466560
6	$\mathcal{O}(2; \{2^8, 3^4\})$	7776
6	$\mathcal{O}(2; \{2^4, 3^7\})$	54432
6	$\mathcal{O}(2; \{3^{10}\})$	415530
6	$\mathcal{O}(2; \{2^9, 3^2, 6\})$	2592
6	$\mathcal{O}(2; \{2^5, 3^5, 6\})$	28512
6	$\mathcal{O}(2; \{2, 3^8, 6\})$	220320
6	$\mathcal{O}(2; \{2^{10}, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^6, 3^3, 6^2\})$	12960
6	$\mathcal{O}(2; \{2^2, 3^6, 6^2\})$	111456
6	$\mathcal{O}(2; \{2^7, 3, 6^3\})$	7776
6	$\mathcal{O}(2; \{2^3, 3^4, 6^3\})$	54432
6	$\mathcal{O}(2; \{2^4, 3^2, 6^4\})$	28512
6	$\mathcal{O}(2; \{3^5, 6^4\})$	220320
6	$\mathcal{O}(2; \{2^5, 6^5\})$	12960
6	$\mathcal{O}(2; \{2, 3^3, 6^5\})$	111456
6	$\mathcal{O}(2; \{2^2, 3, 6^6\})$	54432
6	$\mathcal{O}(2; \{6^8\})$	111456
6	$\mathcal{O}(1; \{2^{12}, 3^4\})$	216
6	$\mathcal{O}(1; \{2^8, 3^7\})$	1512
6	$\mathcal{O}(1; \{2^4, 3^{10}\})$	12312
6	$\mathcal{O}(1; \{3^{13}\})$	73710
6	$\mathcal{O}(1; \{2^{13}, 3^2, 6\})$	72
6	$\mathcal{O}(1; \{2^9, 3^5, 6\})$	792
6	$\mathcal{O}(1; \{2^5, 3^8, 6\})$	6120
6	$\mathcal{O}(1; \{2, 3^{11}, 6\})$	49176
6	$\mathcal{O}(1; \{2^{14}, 6^2\})$	72
6	$\mathcal{O}(1; \{2^{10}, 3^3, 6^2\})$	360
6	$\mathcal{O}(1; \{2^6, 3^6, 6^2\})$	3096
6	$\mathcal{O}(1; \{2^2, 3^9, 6^2\})$	24552
6	$\mathcal{O}(1; \{2^{11}, 3, 6^3\})$	216

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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	$\mathcal{O}(1; \{2^7, 3^4, 6^3\})$	1512
6	$\mathcal{O}(1; \{2^3, 3^7, 6^3\})$	12312
6	$\mathcal{O}(1; \{2^8, 3^2, 6^4\})$	792
6	$\mathcal{O}(1; \{2^4, 3^5, 6^4\})$	6120
6	$\mathcal{O}(1; \{3^8, 6^4\})$	49176
6	$\mathcal{O}(1; \{2^9, 6^5\})$	360
6	$\mathcal{O}(1; \{2^5, 3^3, 6^5\})$	3096
6	$\mathcal{O}(1; \{2, 3^6, 6^5\})$	24552
6	$\mathcal{O}(1; \{2^6, 3, 6^6\})$	1512
6	$\mathcal{O}(1; \{2^2, 3^4, 6^6\})$	12312
6	$\mathcal{O}(1; \{2^3, 3^2, 6^7\})$	6120
6	$\mathcal{O}(1; \{2^4, 6^8\})$	3096
6	$\mathcal{O}(1; \{3^3, 6^8\})$	24552
6	$\mathcal{O}(1; \{2, 3, 6^9\})$	12312
6	$\mathcal{O}(0; \{2^{16}, 3^4\})$	6
6	$\mathcal{O}(0; \{2^{12}, 3^7\})$	42
6	$\mathcal{O}(0; \{2^8, 3^{10}\})$	342
6	$\mathcal{O}(0; \{2^4, 3^{13}\})$	2730
6	$\mathcal{O}(0; \{2^{17}, 3^2, 6\})$	2
6	$\mathcal{O}(0; \{2^{13}, 3^5, 6\})$	22
6	$\mathcal{O}(0; \{2^9, 3^8, 6\})$	170
6	$\mathcal{O}(0; \{2^5, 3^{11}, 6\})$	1366
6	$\mathcal{O}(0; \{2, 3^{14}, 6\})$	10922
6	$\mathcal{O}(0; \{2^{18}, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{14}, 3^3, 6^2\})$	10
6	$\mathcal{O}(0; \{2^{10}, 3^6, 6^2\})$	86
6	$\mathcal{O}(0; \{2^6, 3^9, 6^2\})$	682
6	$\mathcal{O}(0; \{2^2, 3^{12}, 6^2\})$	5462
6	$\mathcal{O}(0; \{2^{15}, 3, 6^3\})$	6
6	$\mathcal{O}(0; \{2^{11}, 3^4, 6^3\})$	42
6	$\mathcal{O}(0; \{2^7, 3^7, 6^3\})$	342
6	$\mathcal{O}(0; \{2^3, 3^{10}, 6^3\})$	2730
6	$\mathcal{O}(0; \{2^{12}, 3^2, 6^4\})$	22
6	$\mathcal{O}(0; \{2^8, 3^5, 6^4\})$	170
6	$\mathcal{O}(0; \{2^4, 3^8, 6^4\})$	1366
6	$\mathcal{O}(0; \{3^{11}, 6^4\})$	10922
6	$\mathcal{O}(0; \{2^{13}, 6^5\})$	10
6	$\mathcal{O}(0; \{2^9, 3^3, 6^5\})$	86
6	$\mathcal{O}(0; \{2^5, 3^6, 6^5\})$	682
6	$\mathcal{O}(0; \{2, 3^9, 6^5\})$	5462
6	$\mathcal{O}(0; \{2^{10}, 3, 6^6\})$	42
6	$\mathcal{O}(0; \{2^6, 3^4, 6^6\})$	342
6	$\mathcal{O}(0; \{2^2, 3^7, 6^6\})$	2730

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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	$\mathcal{O}(0; \{2^7, 3^2, 6^7\})$	170
6	$\mathcal{O}(0; \{2^3, 3^5, 6^7\})$	1366
6	$\mathcal{O}(0; \{2^8, 6^8\})$	86
6	$\mathcal{O}(0; \{2^4, 3^3, 6^8\})$	682
6	$\mathcal{O}(0; \{3^6, 6^8\})$	5462
6	$\mathcal{O}(0; \{2^5, 3, 6^9\})$	342
6	$\mathcal{O}(0; \{2, 3^4, 6^9\})$	2730
6	$\mathcal{O}(0; \{2^2, 3^2, 6^{10}\})$	1366
6	$\mathcal{O}(0; \{2^3, 6^{11}\})$	682
6	$\mathcal{O}(0; \{3, 6^{12}\})$	2730
7	$\mathcal{O}(3; \{7^4\})$	21882714
7	$\mathcal{O}(0; \{7^{11}\})$	51828150
8	$\mathcal{O}(3; \{2^2, 4^2\})$	516096
8	$\mathcal{O}(3; \{4, 8^2\})$	2097152
8	$\mathcal{O}(2; \{2^6, 4^2\})$	7680
8	$\mathcal{O}(2; \{2^3, 4^4\})$	30720
8	$\mathcal{O}(2; \{4^6\})$	122880
8	$\mathcal{O}(2; \{2^4, 4, 8^2\})$	32768
8	$\mathcal{O}(2; \{2, 4^3, 8^2\})$	131072
8	$\mathcal{O}(2; \{2^2, 8^4\})$	262144
8	$\mathcal{O}(1; \{2^{10}, 4^2\})$	96
8	$\mathcal{O}(1; \{2^7, 4^4\})$	384
8	$\mathcal{O}(1; \{2^4, 4^6\})$	1536
8	$\mathcal{O}(1; \{2, 4^8\})$	6144
8	$\mathcal{O}(1; \{2^8, 4, 8^2\})$	512
8	$\mathcal{O}(1; \{2^5, 4^3, 8^2\})$	2048
8	$\mathcal{O}(1; \{2^2, 4^5, 8^2\})$	8192
8	$\mathcal{O}(1; \{2^6, 8^4\})$	4096
8	$\mathcal{O}(1; \{2^3, 4^2, 8^4\})$	16384
8	$\mathcal{O}(1; \{4^4, 8^4\})$	65536
8	$\mathcal{O}(1; \{2, 4, 8^6\})$	131072
8	$\mathcal{O}(0; \{2^{12}, 4, 8^2\})$	8
8	$\mathcal{O}(0; \{2^9, 4^3, 8^2\})$	32
8	$\mathcal{O}(0; \{2^6, 4^5, 8^2\})$	128
8	$\mathcal{O}(0; \{2^3, 4^7, 8^2\})$	512
8	$\mathcal{O}(0; \{4^9, 8^2\})$	2048
8	$\mathcal{O}(0; \{2^{10}, 8^4\})$	64
8	$\mathcal{O}(0; \{2^7, 4^2, 8^4\})$	256
8	$\mathcal{O}(0; \{2^4, 4^4, 8^4\})$	1024
8	$\mathcal{O}(0; \{2, 4^6, 8^4\})$	4096
8	$\mathcal{O}(0; \{2^5, 4, 8^6\})$	2048
8	$\mathcal{O}(0; \{2^2, 4^3, 8^6\})$	8192
8	$\mathcal{O}(0; \{2^3, 8^8\})$	16384

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(0; \{4^2, 8^8\})$	65536
9	$\mathcal{O}(3; \{9^2\})$	3188646
9	$\mathcal{O}(2; \{3^3, 9^2\})$	314928
9	$\mathcal{O}(1; \{3^6, 9^2\})$	31104
9	$\mathcal{O}(1; \{3^2, 9^5\})$	262440
9	$\mathcal{O}(0; \{3^9, 9^2\})$	3072
9	$\mathcal{O}(0; \{3^5, 9^5\})$	25920
9	$\mathcal{O}(0; \{3, 9^8\})$	376164
10	$\mathcal{O}(2; \{5^4\})$	487500
10	$\mathcal{O}(2; \{2^3, 5, 10\})$	40000
10	$\mathcal{O}(2; \{2, 10^3\})$	120000
10	$\mathcal{O}(1; \{2^4, 5^4\})$	5200
10	$\mathcal{O}(1; \{2^7, 5, 10\})$	400
10	$\mathcal{O}(1; \{2^2, 5^3, 10^2\})$	20400
10	$\mathcal{O}(1; \{2^5, 10^3\})$	1200
10	$\mathcal{O}(1; \{5^2, 10^4\})$	82000
10	$\mathcal{O}(0; \{2^8, 5^4\})$	52
10	$\mathcal{O}(0; \{2^{11}, 5, 10\})$	4
10	$\mathcal{O}(0; \{2^3, 5^6, 10\})$	3276
10	$\mathcal{O}(0; \{2^6, 5^3, 10^2\})$	204
10	$\mathcal{O}(0; \{2^9, 10^3\})$	12
10	$\mathcal{O}(0; \{2, 5^5, 10^3\})$	13108
10	$\mathcal{O}(0; \{2^4, 5^2, 10^4\})$	820
10	$\mathcal{O}(0; \{2^2, 5, 10^6\})$	3276
10	$\mathcal{O}(0; \{10^8\})$	13108
11	$\mathcal{O}(2; \{11^3\})$	1317690
12	$\mathcal{O}(2; \{2^2, 3^2\})$	38880
12	$\mathcal{O}(2; \{3, 6^2\})$	38880
12	$\mathcal{O}(2; \{3, 4, 12\})$	82944
12	$\mathcal{O}(2; \{2, 12^2\})$	82944
12	$\mathcal{O}(1; \{2^6, 3^2\})$	216
12	$\mathcal{O}(1; \{2^2, 3^5\})$	1080
12	$\mathcal{O}(1; \{2^3, 3^2, 4^2\})$	576
12	$\mathcal{O}(1; \{3^2, 4^4\})$	2304
12	$\mathcal{O}(1; \{2^3, 3^3, 6\})$	648
12	$\mathcal{O}(1; \{3^3, 4^2, 6\})$	1728
12	$\mathcal{O}(1; \{2^4, 3, 6^2\})$	216
12	$\mathcal{O}(1; \{3^4, 6^2\})$	2376
12	$\mathcal{O}(1; \{2, 3, 4^2, 6^2\})$	576
12	$\mathcal{O}(1; \{2, 3^2, 6^3\})$	1080
12	$\mathcal{O}(1; \{2^2, 6^4\})$	648
12	$\mathcal{O}(1; \{2^4, 3, 4, 12\})$	576
12	$\mathcal{O}(1; \{3^4, 4, 12\})$	2880

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2, 3, 4^3, 12\})$	2304
12	$\mathcal{O}(1; \{2, 3^2, 4, 6, 12\})$	1728
12	$\mathcal{O}(1; \{2^2, 4, 6^2, 12\})$	576
12	$\mathcal{O}(1; \{2^5, 12^2\})$	576
12	$\mathcal{O}(1; \{2, 3^3, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^2, 4^2, 12^2\})$	2304
12	$\mathcal{O}(1; \{2^2, 3, 6, 12^2\})$	1728
12	$\mathcal{O}(1; \{6^3, 12^2\})$	2880
12	$\mathcal{O}(1; \{4, 6, 12^3\})$	6912
12	$\mathcal{O}(1; \{3, 12^4\})$	11520
12	$\mathcal{O}(0; \{2^7, 3^2, 4^2\})$	4
12	$\mathcal{O}(0; \{2^3, 3^5, 4^2\})$	20
12	$\mathcal{O}(0; \{2^4, 3^2, 4^4\})$	16
12	$\mathcal{O}(0; \{3^5, 4^4\})$	80
12	$\mathcal{O}(0; \{2, 3^2, 4^6\})$	64
12	$\mathcal{O}(0; \{2^4, 3^3, 4^2, 6\})$	12
12	$\mathcal{O}(0; \{3^6, 4^2, 6\})$	84
12	$\mathcal{O}(0; \{2, 3^3, 4^4, 6\})$	48
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 6^2\})$	4
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 6^2\})$	44
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 6^2\})$	16
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6^3\})$	20
12	$\mathcal{O}(0; \{2^3, 4^2, 6^4\})$	12
12	$\mathcal{O}(0; \{4^4, 6^4\})$	48
12	$\mathcal{O}(0; \{3, 4^2, 6^5\})$	44
12	$\mathcal{O}(0; \{2^8, 3, 4, 12\})$	4
12	$\mathcal{O}(0; \{2^4, 3^4, 4, 12\})$	20
12	$\mathcal{O}(0; \{3^7, 4, 12\})$	172
12	$\mathcal{O}(0; \{2^5, 3, 4^3, 12\})$	16
12	$\mathcal{O}(0; \{2, 3^4, 4^3, 12\})$	80
12	$\mathcal{O}(0; \{2^2, 3, 4^5, 12\})$	64
12	$\mathcal{O}(0; \{2^5, 3^2, 4, 6, 12\})$	12
12	$\mathcal{O}(0; \{2, 3^5, 4, 6, 12\})$	84
12	$\mathcal{O}(0; \{2^2, 3^2, 4^3, 6, 12\})$	48
12	$\mathcal{O}(0; \{2^6, 4, 6^2, 12\})$	4
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 6^2, 12\})$	44
12	$\mathcal{O}(0; \{2^3, 4^3, 6^2, 12\})$	16
12	$\mathcal{O}(0; \{4^5, 6^2, 12\})$	64
12	$\mathcal{O}(0; \{2^3, 3, 4, 6^3, 12\})$	20
12	$\mathcal{O}(0; \{3, 4^3, 6^3, 12\})$	80
12	$\mathcal{O}(0; \{3^2, 4, 6^4, 12\})$	84
12	$\mathcal{O}(0; \{2, 4, 6^5, 12\})$	44
12	$\mathcal{O}(0; \{2^9, 12^2\})$	4

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^5, 3^3, 12^2\})$	20
12	$\mathcal{O}(0; \{2, 3^6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^6, 4^2, 12^2\})$	16
12	$\mathcal{O}(0; \{2^2, 3^3, 4^2, 12^2\})$	80
12	$\mathcal{O}(0; \{2^3, 4^4, 12^2\})$	64
12	$\mathcal{O}(0; \{4^6, 12^2\})$	256
12	$\mathcal{O}(0; \{2^6, 3, 6, 12^2\})$	12
12	$\mathcal{O}(0; \{2^2, 3^4, 6, 12^2\})$	84
12	$\mathcal{O}(0; \{2^3, 3, 4^2, 6, 12^2\})$	48
12	$\mathcal{O}(0; \{3, 4^4, 6, 12^2\})$	192
12	$\mathcal{O}(0; \{2^3, 3^2, 6^2, 12^2\})$	44
12	$\mathcal{O}(0; \{3^2, 4^2, 6^2, 12^2\})$	176
12	$\mathcal{O}(0; \{2^4, 6^3, 12^2\})$	20
12	$\mathcal{O}(0; \{3^3, 6^3, 12^2\})$	172
12	$\mathcal{O}(0; \{2, 4^2, 6^3, 12^2\})$	80
12	$\mathcal{O}(0; \{2, 3, 6^4, 12^2\})$	84
12	$\mathcal{O}(0; \{2^3, 3^2, 4, 12^3\})$	80
12	$\mathcal{O}(0; \{3^2, 4^3, 12^3\})$	320
12	$\mathcal{O}(0; \{2^4, 4, 6, 12^3\})$	48
12	$\mathcal{O}(0; \{3^3, 4, 6, 12^3\})$	336
12	$\mathcal{O}(0; \{2, 4^3, 6, 12^3\})$	192
12	$\mathcal{O}(0; \{2, 3, 4, 6^2, 12^3\})$	176
12	$\mathcal{O}(0; \{2^4, 3, 12^4\})$	80
12	$\mathcal{O}(0; \{3^4, 12^4\})$	688
12	$\mathcal{O}(0; \{2, 3, 4^2, 12^4\})$	320
12	$\mathcal{O}(0; \{2, 3^2, 6, 12^4\})$	336
12	$\mathcal{O}(0; \{2^2, 6^2, 12^4\})$	176
12	$\mathcal{O}(0; \{2^2, 4, 12^5\})$	320
12	$\mathcal{O}(0; \{6, 12^6\})$	1344
13	$\mathcal{O}(3; \emptyset)$	4826808
14	$\mathcal{O}(2; \{7^2\})$	216090
14	$\mathcal{O}(1; \{2^4, 7^2\})$	1176
14	$\mathcal{O}(1; \{2^2, 7, 14^2\})$	5880
14	$\mathcal{O}(1; \{14^4\})$	36456
14	$\mathcal{O}(0; \{2^8, 7^2\})$	6
14	$\mathcal{O}(0; \{2, 7^5, 14\})$	6666
14	$\mathcal{O}(0; \{2^6, 7, 14^2\})$	30
14	$\mathcal{O}(0; \{2^4, 14^4\})$	186
15	$\mathcal{O}(1; \{5^2, 15^2\})$	23400
15	$\mathcal{O}(1; \{3, 15^3\})$	16200
15	$\mathcal{O}(0; \{3^2, 5^4, 15\})$	408
15	$\mathcal{O}(0; \{3^3, 5^2, 15^2\})$	520
15	$\mathcal{O}(0; \{3^4, 15^3\})$	504

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(0; \{5, 15^5\})$	8200
16	$\mathcal{O}(1; \{2^3, 8^2\})$	768
16	$\mathcal{O}(1; \{4^2, 8^2\})$	3072
16	$\mathcal{O}(1; \{2, 8, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^5, 8, 16^2\})$	32
16	$\mathcal{O}(0; \{2^2, 4^2, 8, 16^2\})$	128
16	$\mathcal{O}(0; \{4, 8^3, 16^2\})$	1024
16	$\mathcal{O}(0; \{2^3, 16^4\})$	512
16	$\mathcal{O}(0; \{4^2, 16^4\})$	2048
18	$\mathcal{O}(1; \{2^2, 18^2\})$	1944
18	$\mathcal{O}(0; \{2, 6, 9^4\})$	324
18	$\mathcal{O}(0; \{2^3, 3, 9^2, 18\})$	36
18	$\mathcal{O}(0; \{3^2, 6, 9^2, 18\})$	144
18	$\mathcal{O}(0; \{2, 6^2, 9^2, 18\})$	72
18	$\mathcal{O}(0; \{2^6, 18^2\})$	6
18	$\mathcal{O}(0; \{2^2, 3^3, 18^2\})$	48
18	$\mathcal{O}(0; \{2^3, 3, 6, 18^2\})$	24
18	$\mathcal{O}(0; \{3^2, 6^2, 18^2\})$	96
18	$\mathcal{O}(0; \{2, 6^3, 18^2\})$	48
18	$\mathcal{O}(0; \{2, 3, 9, 18^3\})$	324
19	$\mathcal{O}(0; \{19^5\})$	99450
20	$\mathcal{O}(1; \{2^2, 5^2\})$	1200
20	$\mathcal{O}(1; \{5, 10^2\})$	3600
20	$\mathcal{O}(1; \{4, 10, 20\})$	3200
20	$\mathcal{O}(0; \{2^3, 4^2, 5^2\})$	8
20	$\mathcal{O}(0; \{4^4, 5^2\})$	32
20	$\mathcal{O}(0; \{2, 4^2, 5, 10^2\})$	24
20	$\mathcal{O}(0; \{2, 4, 5^3, 20\})$	104
20	$\mathcal{O}(0; \{2^4, 4, 10, 20\})$	8
20	$\mathcal{O}(0; \{2, 4^3, 10, 20\})$	32
20	$\mathcal{O}(0; \{2^2, 5, 10, 20^2\})$	104
20	$\mathcal{O}(0; \{10^3, 20^2\})$	408
20	$\mathcal{O}(0; \{2^2, 4, 20^3\})$	96
20	$\mathcal{O}(0; \{5, 20^4\})$	1632
21	$\mathcal{O}(1; \{3, 7, 21\})$	5292
21	$\mathcal{O}(0; \{3^4, 7, 21\})$	60
21	$\mathcal{O}(0; \{7^3, 21^2\})$	2220
21	$\mathcal{O}(0; \{3, 21^4\})$	1860
22	$\mathcal{O}(1; \{2, 11, 22\})$	4840
22	$\mathcal{O}(0; \{2^5, 11, 22\})$	10
22	$\mathcal{O}(0; \{2^3, 22^3\})$	90
24	$\mathcal{O}(0; \{4, 6^2, 8^2\})$	16
24	$\mathcal{O}(0; \{3, 6, 8^2, 12\})$	16

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
24	$\mathcal{O}(0; \{2^2, 3^2, 8, 24\})$	8
24	$\mathcal{O}(0; \{2^3, 6, 8, 24\})$	8
24	$\mathcal{O}(0; \{4^2, 6, 8, 24\})$	32
24	$\mathcal{O}(0; \{3, 6^2, 8, 24\})$	24
24	$\mathcal{O}(0; \{3, 4, 8, 12, 24\})$	32
24	$\mathcal{O}(0; \{2, 8, 12^2, 24\})$	32
24	$\mathcal{O}(0; \{2^3, 4, 24^2\})$	16
24	$\mathcal{O}(0; \{4^3, 24^2\})$	64
24	$\mathcal{O}(0; \{3, 4, 6, 24^2\})$	48
24	$\mathcal{O}(0; \{2, 8^2, 24^2\})$	128
24	$\mathcal{O}(0; \{3^2, 12, 24^2\})$	80
24	$\mathcal{O}(0; \{2, 6, 12, 24^2\})$	48
26	$\mathcal{O}(2; \emptyset)$	428400
26	$\mathcal{O}(1; \{2^4\})$	672
27	$\mathcal{O}(1; \{27^2\})$	13122
27	$\mathcal{O}(0; \{3^3, 27^2\})$	144
28	$\mathcal{O}(1; \{14^2\})$	3528
28	$\mathcal{O}(0; \{2, 4^2, 14^2\})$	12
28	$\mathcal{O}(0; \{2^2, 14, 28^2\})$	60
28	$\mathcal{O}(0; \{28^4\})$	1488
30	$\mathcal{O}(0; \{2, 3, 5, 6, 15\})$	8
30	$\mathcal{O}(0; \{2, 3, 5^2, 30\})$	24
30	$\mathcal{O}(0; \{2, 3^2, 15, 30\})$	24
30	$\mathcal{O}(0; \{2^2, 6, 15, 30\})$	8
30	$\mathcal{O}(0; \{10, 15^2, 30\})$	104
30	$\mathcal{O}(0; \{2^2, 5, 30^2\})$	24
30	$\mathcal{O}(0; \{10^2, 30^2\})$	104
30	$\mathcal{O}(0; \{6, 30^3\})$	72
32	$\mathcal{O}(0; \{4, 16, 32^2\})$	256
33	$\mathcal{O}(0; \{3, 33^3\})$	540
35	$\mathcal{O}(0; \{5, 7^2, 35\})$	120
36	$\mathcal{O}(0; \{4, 9^2, 12\})$	24
36	$\mathcal{O}(0; \{4, 6, 9, 36\})$	24
36	$\mathcal{O}(0; \{3, 9, 12, 36\})$	48
36	$\mathcal{O}(0; \{2^3, 36^2\})$	12
36	$\mathcal{O}(0; \{4^2, 36^2\})$	48
36	$\mathcal{O}(0; \{3, 6, 36^2\})$	48
38	$\mathcal{O}(0; \{2, 19^2, 38\})$	306
39	$\mathcal{O}(1; \{3^2\})$	3024
40	$\mathcal{O}(0; \{2, 8, 20, 40\})$	32
42	$\mathcal{O}(0; \{2, 6, 21^2\})$	12
42	$\mathcal{O}(0; \{3^2, 14, 42\})$	12
42	$\mathcal{O}(0; \{2, 6, 14, 42\})$	12

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Table 7 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
44	$\mathcal{O}(0; \{2, 4, 22, 44\})$	20
48	$\mathcal{O}(0; \{2, 3, 16, 48\})$	16
52	$\mathcal{O}(1; \{2^2\})$	2016
54	$\mathcal{O}(0; \{2^2, 54^2\})$	18
55	$\mathcal{O}(0; \{55^3\})$	1080
56	$\mathcal{O}(0; \{28, 56^2\})$	240
57	$\mathcal{O}(0; \{19, 57^2\})$	612
60	$\mathcal{O}(0; \{15, 20, 60\})$	48
60	$\mathcal{O}(0; \{12, 30, 60\})$	16
60	$\mathcal{O}(0; \{10, 60^2\})$	48
63	$\mathcal{O}(0; \{9, 21, 63\})$	72
63	$\mathcal{O}(0; \{7, 63^2\})$	180
66	$\mathcal{O}(0; \{6, 33, 66\})$	20
70	$\mathcal{O}(0; \{7, 10, 70\})$	24
72	$\mathcal{O}(0; \{4, 72^2\})$	48
76	$\mathcal{O}(0; \{4, 19, 76\})$	36
81	$\mathcal{O}(0; \{3, 81^2\})$	108
84	$\mathcal{O}(0; \{3, 28, 84\})$	24
108	$\mathcal{O}(0; \{2, 108^2\})$	36
110	$\mathcal{O}(0; \{2, 55, 110\})$	40

Table 8: 28-admissible orbifolds.

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(28; \emptyset)$	1
2	$\mathcal{O}(14; \{2^2\})$	268435456
2	$\mathcal{O}(13; \{2^6\})$	67108864
2	$\mathcal{O}(12; \{2^{10}\})$	16777216
2	$\mathcal{O}(11; \{2^{14}\})$	4194304
2	$\mathcal{O}(10; \{2^{18}\})$	1048576
2	$\mathcal{O}(9; \{2^{22}\})$	262144
2	$\mathcal{O}(8; \{2^{26}\})$	65536
2	$\mathcal{O}(7; \{2^{30}\})$	16384
2	$\mathcal{O}(6; \{2^{34}\})$	4096
2	$\mathcal{O}(5; \{2^{38}\})$	1024
2	$\mathcal{O}(4; \{2^{42}\})$	256
2	$\mathcal{O}(3; \{2^{46}\})$	64
2	$\mathcal{O}(2; \{2^{50}\})$	16
2	$\mathcal{O}(1; \{2^{54}\})$	4
2	$\mathcal{O}(0; \{2^{58}\})$	1

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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	$\mathcal{O}(10; \emptyset)$	3486784400
3	$\mathcal{O}(9; \{3^3\})$	774840978
3	$\mathcal{O}(8; \{3^6\})$	947027862
3	$\mathcal{O}(7; \{3^9\})$	813104730
3	$\mathcal{O}(6; \{3^{12}\})$	725948406
3	$\mathcal{O}(5; \{3^{15}\})$	644933178
3	$\mathcal{O}(4; \{3^{18}\})$	573313302
3	$\mathcal{O}(3; \{3^{21}\})$	509607450
3	$\mathcal{O}(2; \{3^{24}\})$	452984886
3	$\mathcal{O}(1; \{3^{27}\})$	402653178
3	$\mathcal{O}(0; \{3^{30}\})$	357913942
4	$\mathcal{O}(7; \{4^2\})$	536870912
4	$\mathcal{O}(6; \{2^4, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2, 4^4\})$	134217728
4	$\mathcal{O}(5; \{2^8, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^5, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^2, 4^6\})$	33554432
4	$\mathcal{O}(4; \{2^{12}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^9, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^6, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^3, 4^8\})$	8388608
4	$\mathcal{O}(4; \{4^{10}\})$	33554432
4	$\mathcal{O}(3; \{2^{16}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{13}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{10}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^7, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^4, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2, 4^{12}\})$	8388608
4	$\mathcal{O}(2; \{2^{20}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{17}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{14}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{11}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^8, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^5, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^2, 4^{14}\})$	2097152
4	$\mathcal{O}(1; \{2^{24}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{21}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{18}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{15}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{12}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^9, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^6, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^3, 4^{16}\})$	524288

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Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(1; \{4^{18}\})$	2097152
4	$\mathcal{O}(0; \{2^{28}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{25}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{22}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{19}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{16}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{13}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{10}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^7, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^4, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2, 4^{20}\})$	524288
5	$\mathcal{O}(4; \{5^6\})$	320312500
5	$\mathcal{O}(2; \{5^{11}\})$	524287500
5	$\mathcal{O}(0; \{5^{16}\})$	858993460
6	$\mathcal{O}(5; \{2^2\})$	60465152
6	$\mathcal{O}(4; \{2^6\})$	1679360
6	$\mathcal{O}(4; \{2^2, 3^3\})$	3359232
6	$\mathcal{O}(4; \{2^3, 3, 6\})$	3359232
6	$\mathcal{O}(4; \{3^2, 6^2\})$	10077696
6	$\mathcal{O}(4; \{2, 6^3\})$	3359232
6	$\mathcal{O}(3; \{2^{10}\})$	46592
6	$\mathcal{O}(3; \{2^6, 3^3\})$	93312
6	$\mathcal{O}(3; \{2^2, 3^6\})$	1026432
6	$\mathcal{O}(3; \{2^7, 3, 6\})$	93312
6	$\mathcal{O}(3; \{2^3, 3^4, 6\})$	466560
6	$\mathcal{O}(3; \{2^4, 3^2, 6^2\})$	279936
6	$\mathcal{O}(3; \{3^5, 6^2\})$	1959552
6	$\mathcal{O}(3; \{2^5, 6^3\})$	93312
6	$\mathcal{O}(3; \{2, 3^3, 6^3\})$	1026432
6	$\mathcal{O}(3; \{2^2, 3, 6^4\})$	466560
6	$\mathcal{O}(3; \{6^6\})$	1026432
6	$\mathcal{O}(2; \{2^{14}\})$	1280
6	$\mathcal{O}(2; \{2^{10}, 3^3\})$	2592
6	$\mathcal{O}(2; \{2^6, 3^6\})$	28512
6	$\mathcal{O}(2; \{2^2, 3^9\})$	220320
6	$\mathcal{O}(2; \{2^{11}, 3, 6\})$	2592
6	$\mathcal{O}(2; \{2^7, 3^4, 6\})$	12960
6	$\mathcal{O}(2; \{2^3, 3^7, 6\})$	111456
6	$\mathcal{O}(2; \{2^8, 3^2, 6^2\})$	7776
6	$\mathcal{O}(2; \{2^4, 3^5, 6^2\})$	54432
6	$\mathcal{O}(2; \{3^8, 6^2\})$	443232
6	$\mathcal{O}(2; \{2^9, 6^3\})$	2592
6	$\mathcal{O}(2; \{2^5, 3^3, 6^3\})$	28512

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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	$\mathcal{O}(2; \{2, 3^6, 6^3\})$	220320
6	$\mathcal{O}(2; \{2^6, 3, 6^4\})$	12960
6	$\mathcal{O}(2; \{2^2, 3^4, 6^4\})$	111456
6	$\mathcal{O}(2; \{2^3, 3^2, 6^5\})$	54432
6	$\mathcal{O}(2; \{2^4, 6^6\})$	28512
6	$\mathcal{O}(2; \{3^3, 6^6\})$	220320
6	$\mathcal{O}(2; \{2, 3, 6^7\})$	111456
6	$\mathcal{O}(1; \{2^{18}\})$	32
6	$\mathcal{O}(1; \{2^{14}, 3^3\})$	72
6	$\mathcal{O}(1; \{2^{10}, 3^6\})$	792
6	$\mathcal{O}(1; \{2^6, 3^9\})$	6120
6	$\mathcal{O}(1; \{2^2, 3^{12}\})$	49176
6	$\mathcal{O}(1; \{2^{15}, 3, 6\})$	72
6	$\mathcal{O}(1; \{2^{11}, 3^4, 6\})$	360
6	$\mathcal{O}(1; \{2^7, 3^7, 6\})$	3096
6	$\mathcal{O}(1; \{2^3, 3^{10}, 6\})$	24552
6	$\mathcal{O}(1; \{2^{12}, 3^2, 6^2\})$	216
6	$\mathcal{O}(1; \{2^8, 3^5, 6^2\})$	1512
6	$\mathcal{O}(1; \{2^4, 3^8, 6^2\})$	12312
6	$\mathcal{O}(1; \{3^{11}, 6^2\})$	98280
6	$\mathcal{O}(1; \{2^{13}, 6^3\})$	72
6	$\mathcal{O}(1; \{2^9, 3^3, 6^3\})$	792
6	$\mathcal{O}(1; \{2^5, 3^6, 6^3\})$	6120
6	$\mathcal{O}(1; \{2, 3^9, 6^3\})$	49176
6	$\mathcal{O}(1; \{2^{10}, 3, 6^4\})$	360
6	$\mathcal{O}(1; \{2^6, 3^4, 6^4\})$	3096
6	$\mathcal{O}(1; \{2^2, 3^7, 6^4\})$	24552
6	$\mathcal{O}(1; \{2^7, 3^2, 6^5\})$	1512
6	$\mathcal{O}(1; \{2^3, 3^5, 6^5\})$	12312
6	$\mathcal{O}(1; \{2^8, 6^6\})$	792
6	$\mathcal{O}(1; \{2^4, 3^3, 6^6\})$	6120
6	$\mathcal{O}(1; \{3^6, 6^6\})$	49176
6	$\mathcal{O}(1; \{2^5, 3, 6^7\})$	3096
6	$\mathcal{O}(1; \{2, 3^4, 6^7\})$	24552
6	$\mathcal{O}(1; \{2^2, 3^2, 6^8\})$	12312
6	$\mathcal{O}(1; \{2^3, 6^9\})$	6120
6	$\mathcal{O}(1; \{3, 6^{10}\})$	24552
6	$\mathcal{O}(0; \{2^{18}, 3^3\})$	2
6	$\mathcal{O}(0; \{2^{14}, 3^6\})$	22
6	$\mathcal{O}(0; \{2^{10}, 3^9\})$	170
6	$\mathcal{O}(0; \{2^6, 3^{12}\})$	1366
6	$\mathcal{O}(0; \{2^2, 3^{15}\})$	10922
6	$\mathcal{O}(0; \{2^{19}, 3, 6\})$	2

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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	$\mathcal{O}(0; \{2^{15}, 3^4, 6\})$	10
6	$\mathcal{O}(0; \{2^{11}, 3^7, 6\})$	86
6	$\mathcal{O}(0; \{2^7, 3^{10}, 6\})$	682
6	$\mathcal{O}(0; \{2^3, 3^{13}, 6\})$	5462
6	$\mathcal{O}(0; \{2^{16}, 3^2, 6^2\})$	6
6	$\mathcal{O}(0; \{2^{12}, 3^5, 6^2\})$	42
6	$\mathcal{O}(0; \{2^8, 3^8, 6^2\})$	342
6	$\mathcal{O}(0; \{2^4, 3^{11}, 6^2\})$	2730
6	$\mathcal{O}(0; \{3^{14}, 6^2\})$	21846
6	$\mathcal{O}(0; \{2^{17}, 6^3\})$	2
6	$\mathcal{O}(0; \{2^{13}, 3^3, 6^3\})$	22
6	$\mathcal{O}(0; \{2^9, 3^6, 6^3\})$	170
6	$\mathcal{O}(0; \{2^5, 3^9, 6^3\})$	1366
6	$\mathcal{O}(0; \{2, 3^{12}, 6^3\})$	10922
6	$\mathcal{O}(0; \{2^{14}, 3, 6^4\})$	10
6	$\mathcal{O}(0; \{2^{10}, 3^4, 6^4\})$	86
6	$\mathcal{O}(0; \{2^6, 3^7, 6^4\})$	682
6	$\mathcal{O}(0; \{2^2, 3^{10}, 6^4\})$	5462
6	$\mathcal{O}(0; \{2^{11}, 3^2, 6^5\})$	42
6	$\mathcal{O}(0; \{2^7, 3^5, 6^5\})$	342
6	$\mathcal{O}(0; \{2^3, 3^8, 6^5\})$	2730
6	$\mathcal{O}(0; \{2^{12}, 6^6\})$	22
6	$\mathcal{O}(0; \{2^8, 3^3, 6^6\})$	170
6	$\mathcal{O}(0; \{2^4, 3^6, 6^6\})$	1366
6	$\mathcal{O}(0; \{3^9, 6^6\})$	10922
6	$\mathcal{O}(0; \{2^9, 3, 6^7\})$	86
6	$\mathcal{O}(0; \{2^5, 3^4, 6^7\})$	682
6	$\mathcal{O}(0; \{2, 3^7, 6^7\})$	5462
6	$\mathcal{O}(0; \{2^6, 3^2, 6^8\})$	342
6	$\mathcal{O}(0; \{2^2, 3^5, 6^8\})$	2730
6	$\mathcal{O}(0; \{2^7, 6^9\})$	170
6	$\mathcal{O}(0; \{2^3, 3^3, 6^9\})$	1366
6	$\mathcal{O}(0; \{2^4, 3, 6^{10}\})$	682
6	$\mathcal{O}(0; \{3^4, 6^{10}\})$	5462
6	$\mathcal{O}(0; \{2, 3^2, 6^{11}\})$	2730
6	$\mathcal{O}(0; \{2^2, 6^{12}\})$	1366
7	$\mathcal{O}(4; \{7^2\})$	34588806
7	$\mathcal{O}(1; \{7^9\})$	70543830
8	$\mathcal{O}(3; \{2^2, 8^2\})$	1048576
8	$\mathcal{O}(2; \{2^6, 8^2\})$	16384
8	$\mathcal{O}(2; \{2^3, 4^2, 8^2\})$	65536
8	$\mathcal{O}(2; \{4^4, 8^2\})$	262144
8	$\mathcal{O}(2; \{2, 4, 8^4\})$	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	$\mathcal{O}(1; \{2^{10}, 8^2\})$	256
8	$\mathcal{O}(1; \{2^7, 4^2, 8^2\})$	1024
8	$\mathcal{O}(1; \{2^4, 4^4, 8^2\})$	4096
8	$\mathcal{O}(1; \{2, 4^6, 8^2\})$	16384
8	$\mathcal{O}(1; \{2^5, 4, 8^4\})$	8192
8	$\mathcal{O}(1; \{2^2, 4^3, 8^4\})$	32768
8	$\mathcal{O}(1; \{2^3, 8^6\})$	65536
8	$\mathcal{O}(1; \{4^2, 8^6\})$	262144
8	$\mathcal{O}(0; \{2^{14}, 8^2\})$	4
8	$\mathcal{O}(0; \{2^{11}, 4^2, 8^2\})$	16
8	$\mathcal{O}(0; \{2^8, 4^4, 8^2\})$	64
8	$\mathcal{O}(0; \{2^5, 4^6, 8^2\})$	256
8	$\mathcal{O}(0; \{2^2, 4^8, 8^2\})$	1024
8	$\mathcal{O}(0; \{2^9, 4, 8^4\})$	128
8	$\mathcal{O}(0; \{2^6, 4^3, 8^4\})$	512
8	$\mathcal{O}(0; \{2^3, 4^5, 8^4\})$	2048
8	$\mathcal{O}(0; \{4^7, 8^4\})$	8192
8	$\mathcal{O}(0; \{2^7, 8^6\})$	1024
8	$\mathcal{O}(0; \{2^4, 4^2, 8^6\})$	4096
8	$\mathcal{O}(0; \{2, 4^4, 8^6\})$	16384
8	$\mathcal{O}(0; \{2^2, 4, 8^8\})$	32768
8	$\mathcal{O}(0; \{8^{10}\})$	262144
9	$\mathcal{O}(4; \emptyset)$	43040160
9	$\mathcal{O}(3; \{3^3\})$	1061424
9	$\mathcal{O}(2; \{3^6\})$	142560
9	$\mathcal{O}(2; \{3^2, 9^3\})$	472392
9	$\mathcal{O}(1; \{3^9\})$	12240
9	$\mathcal{O}(1; \{3^5, 9^3\})$	46656
9	$\mathcal{O}(1; \{3, 9^6\})$	866052
9	$\mathcal{O}(0; \{3^8, 9^3\})$	4608
9	$\mathcal{O}(0; \{3^4, 9^6\})$	85536
9	$\mathcal{O}(0; \{9^9\})$	1115370
10	$\mathcal{O}(2; \{2^2, 5^3\})$	120000
10	$\mathcal{O}(2; \{5^2, 10^2\})$	520000
10	$\mathcal{O}(1; \{2^6, 5^3\})$	1200
10	$\mathcal{O}(1; \{2, 5^5, 10\})$	82000
10	$\mathcal{O}(1; \{2^4, 5^2, 10^2\})$	5200
10	$\mathcal{O}(1; \{2^2, 5, 10^4\})$	20400
10	$\mathcal{O}(1; \{10^6\})$	82000
10	$\mathcal{O}(0; \{2^{10}, 5^3\})$	12
10	$\mathcal{O}(0; \{2^2, 5^8\})$	13108
10	$\mathcal{O}(0; \{2^5, 5^5, 10\})$	820
10	$\mathcal{O}(0; \{2^8, 5^2, 10^2\})$	52

Continued on next page

Table 8 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(0; \{5^7, 10^2\})$	52428
10	$\mathcal{O}(0; \{2^3, 5^4, 10^3\})$	3276
10	$\mathcal{O}(0; \{2^6, 5, 10^4\})$	204
10	$\mathcal{O}(0; \{2, 5^3, 10^5\})$	13108
10	$\mathcal{O}(0; \{2^4, 10^6\})$	820
12	$\mathcal{O}(2; \{2^2, 4^2\})$	40960
12	$\mathcal{O}(2; \{4, 6, 12\})$	82944
12	$\mathcal{O}(2; \{3, 12^2\})$	82944
12	$\mathcal{O}(1; \{2^6, 4^2\})$	256
12	$\mathcal{O}(1; \{2^2, 3^3, 4^2\})$	576
12	$\mathcal{O}(1; \{2^3, 4^4\})$	1024
12	$\mathcal{O}(1; \{4^6\})$	4096
12	$\mathcal{O}(1; \{2^3, 3, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{3, 4^4, 6\})$	2304
12	$\mathcal{O}(1; \{3^2, 4^2, 6^2\})$	1728
12	$\mathcal{O}(1; \{2, 4^2, 6^3\})$	576
12	$\mathcal{O}(1; \{2^3, 3^2, 4, 12\})$	576
12	$\mathcal{O}(1; \{3^2, 4^3, 12\})$	2304
12	$\mathcal{O}(1; \{2^4, 4, 6, 12\})$	576
12	$\mathcal{O}(1; \{3^3, 4, 6, 12\})$	2880
12	$\mathcal{O}(1; \{2, 4^3, 6, 12\})$	2304
12	$\mathcal{O}(1; \{2, 3, 4, 6^2, 12\})$	1728
12	$\mathcal{O}(1; \{2^4, 3, 12^2\})$	576
12	$\mathcal{O}(1; \{3^4, 12^2\})$	6336
12	$\mathcal{O}(1; \{2, 3, 4^2, 12^2\})$	2304
12	$\mathcal{O}(1; \{2, 3^2, 6, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^2, 6^2, 12^2\})$	1728
12	$\mathcal{O}(1; \{2^2, 4, 12^3\})$	2304
12	$\mathcal{O}(1; \{6, 12^4\})$	11520
12	$\mathcal{O}(0; \{2^6, 3^3, 4^2\})$	4
12	$\mathcal{O}(0; \{2^2, 3^6, 4^2\})$	44
12	$\mathcal{O}(0; \{2^3, 3^3, 4^4\})$	16
12	$\mathcal{O}(0; \{3^3, 4^6\})$	64
12	$\mathcal{O}(0; \{2^7, 3, 4^2, 6\})$	4
12	$\mathcal{O}(0; \{2^3, 3^4, 4^2, 6\})$	20
12	$\mathcal{O}(0; \{2^4, 3, 4^4, 6\})$	16
12	$\mathcal{O}(0; \{3^4, 4^4, 6\})$	80
12	$\mathcal{O}(0; \{2, 3, 4^6, 6\})$	64
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 6^2\})$	12
12	$\mathcal{O}(0; \{3^5, 4^2, 6^2\})$	84
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 6^2\})$	48
12	$\mathcal{O}(0; \{2^5, 4^2, 6^3\})$	4
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6^3\})$	44

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	$\mathcal{O}(0; \{2^2, 4^4, 6^3\})$	16
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^4\})$	20
12	$\mathcal{O}(0; \{4^2, 6^6\})$	44
12	$\mathcal{O}(0; \{2^7, 3^2, 4, 12\})$	4
12	$\mathcal{O}(0; \{2^3, 3^5, 4, 12\})$	44
12	$\mathcal{O}(0; \{2^4, 3^2, 4^3, 12\})$	16
12	$\mathcal{O}(0; \{3^5, 4^3, 12\})$	176
12	$\mathcal{O}(0; \{2, 3^2, 4^5, 12\})$	64
12	$\mathcal{O}(0; \{2^8, 4, 6, 12\})$	4
12	$\mathcal{O}(0; \{2^4, 3^3, 4, 6, 12\})$	20
12	$\mathcal{O}(0; \{3^6, 4, 6, 12\})$	172
12	$\mathcal{O}(0; \{2^5, 4^3, 6, 12\})$	16
12	$\mathcal{O}(0; \{2, 3^3, 4^3, 6, 12\})$	80
12	$\mathcal{O}(0; \{2^2, 4^5, 6, 12\})$	64
12	$\mathcal{O}(0; \{2^5, 3, 4, 6^2, 12\})$	12
12	$\mathcal{O}(0; \{2, 3^4, 4, 6^2, 12\})$	84
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 6^2, 12\})$	48
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6^3, 12\})$	44
12	$\mathcal{O}(0; \{2^3, 4, 6^4, 12\})$	20
12	$\mathcal{O}(0; \{4^3, 6^4, 12\})$	80
12	$\mathcal{O}(0; \{3, 4, 6^5, 12\})$	84
12	$\mathcal{O}(0; \{2^8, 3, 12^2\})$	4
12	$\mathcal{O}(0; \{2^4, 3^4, 12^2\})$	44
12	$\mathcal{O}(0; \{3^7, 12^2\})$	340
12	$\mathcal{O}(0; \{2^5, 3, 4^2, 12^2\})$	16
12	$\mathcal{O}(0; \{2, 3^4, 4^2, 12^2\})$	176
12	$\mathcal{O}(0; \{2^2, 3, 4^4, 12^2\})$	64
12	$\mathcal{O}(0; \{2^5, 3^2, 6, 12^2\})$	20
12	$\mathcal{O}(0; \{2, 3^5, 6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^2, 3^2, 4^2, 6, 12^2\})$	80
12	$\mathcal{O}(0; \{2^6, 6^2, 12^2\})$	12
12	$\mathcal{O}(0; \{2^2, 3^3, 6^2, 12^2\})$	84
12	$\mathcal{O}(0; \{2^3, 4^2, 6^2, 12^2\})$	48
12	$\mathcal{O}(0; \{4^4, 6^2, 12^2\})$	192
12	$\mathcal{O}(0; \{2^3, 3, 6^3, 12^2\})$	44
12	$\mathcal{O}(0; \{3, 4^2, 6^3, 12^2\})$	176
12	$\mathcal{O}(0; \{3^2, 6^4, 12^2\})$	172
12	$\mathcal{O}(0; \{2, 6^5, 12^2\})$	84
12	$\mathcal{O}(0; \{2^6, 4, 12^3\})$	16
12	$\mathcal{O}(0; \{2^2, 3^3, 4, 12^3\})$	176
12	$\mathcal{O}(0; \{2^3, 4^3, 12^3\})$	64
12	$\mathcal{O}(0; \{4^5, 12^3\})$	256
12	$\mathcal{O}(0; \{2^3, 3, 4, 6, 12^3\})$	80

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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	$\mathcal{O}(0; \{3, 4^3, 6, 12^3\})$	320
12	$\mathcal{O}(0; \{3^2, 4, 6^2, 12^3\})$	336
12	$\mathcal{O}(0; \{2, 4, 6^3, 12^3\})$	176
12	$\mathcal{O}(0; \{2^3, 3^2, 12^4\})$	176
12	$\mathcal{O}(0; \{3^2, 4^2, 12^4\})$	704
12	$\mathcal{O}(0; \{2^4, 6, 12^4\})$	80
12	$\mathcal{O}(0; \{3^3, 6, 12^4\})$	688
12	$\mathcal{O}(0; \{2, 4^2, 6, 12^4\})$	320
12	$\mathcal{O}(0; \{2, 3, 6^2, 12^4\})$	336
12	$\mathcal{O}(0; \{2, 3, 4, 12^5\})$	704
12	$\mathcal{O}(0; \{2^2, 12^6\})$	704
14	$\mathcal{O}(2; \{14^2\})$	230496
14	$\mathcal{O}(1; \{2^4, 14^2\})$	1176
14	$\mathcal{O}(0; \{2^3, 7^4, 14\})$	1110
14	$\mathcal{O}(0; \{2^8, 14^2\})$	6
14	$\mathcal{O}(0; \{2, 7^3, 14^3\})$	6666
15	$\mathcal{O}(2; \{5^2\})$	200000
15	$\mathcal{O}(1; \{3^3, 5^2\})$	1800
15	$\mathcal{O}(1; \{5, 15^3\})$	23400
15	$\mathcal{O}(0; \{3^6, 5^2\})$	88
15	$\mathcal{O}(0; \{3, 5^5, 15\})$	1640
15	$\mathcal{O}(0; \{3^2, 5^3, 15^2\})$	1224
15	$\mathcal{O}(0; \{3^3, 5, 15^3\})$	1144
15	$\mathcal{O}(0; \{15^6\})$	18040
16	$\mathcal{O}(1; \{2^3, 16^2\})$	2048
16	$\mathcal{O}(1; \{4^2, 16^2\})$	8192
16	$\mathcal{O}(0; \{2^7, 16^2\})$	8
16	$\mathcal{O}(0; \{2^4, 4^2, 16^2\})$	32
16	$\mathcal{O}(0; \{2, 4^4, 16^2\})$	128
16	$\mathcal{O}(0; \{2^2, 4, 8^2, 16^2\})$	256
16	$\mathcal{O}(0; \{8^4, 16^2\})$	2048
16	$\mathcal{O}(0; \{4, 8, 16^4\})$	4096
18	$\mathcal{O}(2; \{2^2\})$	103680
18	$\mathcal{O}(1; \{2^6\})$	288
18	$\mathcal{O}(1; \{2^2, 3^3\})$	576
18	$\mathcal{O}(1; \{2^3, 3, 6\})$	576
18	$\mathcal{O}(1; \{3^2, 6^2\})$	1728
18	$\mathcal{O}(1; \{2, 6^3\})$	576
18	$\mathcal{O}(1; \{2, 3, 9, 18\})$	3888
18	$\mathcal{O}(0; \{2^2, 3^2, 9^3\})$	72
18	$\mathcal{O}(0; \{2^3, 6, 9^3\})$	36
18	$\mathcal{O}(0; \{3, 6^2, 9^3\})$	144
18	$\mathcal{O}(0; \{2^5, 3, 9, 18\})$	12

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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	$\mathcal{O}(0; \{2, 3^4, 9, 18\})$	96
18	$\mathcal{O}(0; \{2^2, 3^2, 6, 9, 18\})$	48
18	$\mathcal{O}(0; \{2^3, 6^2, 9, 18\})$	24
18	$\mathcal{O}(0; \{3, 6^3, 9, 18\})$	96
18	$\mathcal{O}(0; \{2, 9^4, 18\})$	810
18	$\mathcal{O}(0; \{3^2, 9^2, 18^2\})$	648
18	$\mathcal{O}(0; \{2, 6, 9^2, 18^2\})$	324
18	$\mathcal{O}(0; \{2^3, 3, 18^3\})$	36
18	$\mathcal{O}(0; \{3^2, 6, 18^3\})$	144
18	$\mathcal{O}(0; \{2, 6^2, 18^3\})$	72
19	$\mathcal{O}(1; \{19^3\})$	110466
20	$\mathcal{O}(1; \{5, 20^2\})$	9600
20	$\mathcal{O}(0; \{4^2, 5^4\})$	104
20	$\mathcal{O}(0; \{2^3, 4^2, 5, 10\})$	8
20	$\mathcal{O}(0; \{4^4, 5, 10\})$	32
20	$\mathcal{O}(0; \{2, 4^2, 10^3\})$	24
20	$\mathcal{O}(0; \{2, 4, 5^2, 10, 20\})$	104
20	$\mathcal{O}(0; \{2^4, 5, 20^2\})$	24
20	$\mathcal{O}(0; \{2, 4^2, 5, 20^2\})$	96
20	$\mathcal{O}(0; \{2^2, 10^2, 20^2\})$	104
20	$\mathcal{O}(0; \{10, 20^4\})$	1632
21	$\mathcal{O}(1; \{7^3\})$	11760
21	$\mathcal{O}(1; \{3, 21^2\})$	5292
21	$\mathcal{O}(0; \{3^3, 7^3\})$	60
21	$\mathcal{O}(0; \{3^4, 21^2\})$	132
21	$\mathcal{O}(0; \{7^2, 21^3\})$	2220
24	$\mathcal{O}(1; \{2, 8^2\})$	2048
24	$\mathcal{O}(0; \{2, 3^3, 8^2\})$	8
24	$\mathcal{O}(0; \{2^2, 3, 6, 8^2\})$	8
24	$\mathcal{O}(0; \{6^3, 8^2\})$	8
24	$\mathcal{O}(0; \{4, 6, 8^2, 12\})$	32
24	$\mathcal{O}(0; \{3, 8^2, 12^2\})$	32
24	$\mathcal{O}(0; \{2^2, 3, 4, 8, 24\})$	16
24	$\mathcal{O}(0; \{4, 6^2, 8, 24\})$	16
24	$\mathcal{O}(0; \{3, 8^3, 24\})$	128
24	$\mathcal{O}(0; \{2^3, 8, 12, 24\})$	16
24	$\mathcal{O}(0; \{4^2, 8, 12, 24\})$	64
24	$\mathcal{O}(0; \{3, 6, 8, 12, 24\})$	48
24	$\mathcal{O}(0; \{2^2, 3^2, 24^2\})$	24
24	$\mathcal{O}(0; \{2^3, 6, 24^2\})$	8
24	$\mathcal{O}(0; \{4^2, 6, 24^2\})$	32
24	$\mathcal{O}(0; \{3, 6^2, 24^2\})$	40
24	$\mathcal{O}(0; \{3, 4, 12, 24^2\})$	96

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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	$\mathcal{O}(0; \{2, 12^2, 24^2\})$	96
24	$\mathcal{O}(0; \{2, 8, 24^3\})$	128
27	$\mathcal{O}(2; \emptyset)$	524880
27	$\mathcal{O}(1; \{3^3\})$	1296
28	$\mathcal{O}(1; \{28^2\})$	9408
28	$\mathcal{O}(0; \{2, 4, 7^2, 28\})$	60
28	$\mathcal{O}(0; \{2^4, 28^2\})$	12
28	$\mathcal{O}(0; \{2, 4^2, 28^2\})$	48
29	$\mathcal{O}(0; \{29^4\})$	21196
30	$\mathcal{O}(1; \{10^2\})$	3200
30	$\mathcal{O}(0; \{3^3, 10^2\})$	8
30	$\mathcal{O}(0; \{2, 3, 6, 10^2\})$	8
30	$\mathcal{O}(0; \{2, 3, 5, 10, 15\})$	24
30	$\mathcal{O}(0; \{2^2, 15^3\})$	24
30	$\mathcal{O}(0; \{2^2, 10, 15, 30\})$	24
30	$\mathcal{O}(0; \{15^2, 30^2\})$	312
30	$\mathcal{O}(0; \{10, 30^3\})$	104
32	$\mathcal{O}(0; \{2^2, 4, 32^2\})$	32
32	$\mathcal{O}(0; \{8^2, 32^2\})$	256
35	$\mathcal{O}(0; \{5^2, 35^2\})$	312
36	$\mathcal{O}(1; \{4^2\})$	2304
36	$\mathcal{O}(0; \{4, 9, 12, 18\})$	24
36	$\mathcal{O}(0; \{4, 9^2, 36\})$	36
36	$\mathcal{O}(0; \{4, 6, 18, 36\})$	24
36	$\mathcal{O}(0; \{3, 12, 18, 36\})$	48
36	$\mathcal{O}(0; \{3, 9, 36^2\})$	72
38	$\mathcal{O}(0; \{2^3, 19, 38\})$	18
38	$\mathcal{O}(0; \{2, 38^3\})$	306
40	$\mathcal{O}(0; \{5^2, 8^2\})$	16
40	$\mathcal{O}(0; \{2, 10, 40^2\})$	48
42	$\mathcal{O}(0; \{3, 6, 7, 14\})$	12
42	$\mathcal{O}(0; \{2, 7, 21, 42\})$	60
42	$\mathcal{O}(0; \{3^2, 42^2\})$	36
42	$\mathcal{O}(0; \{2, 6, 42^2\})$	12
48	$\mathcal{O}(0; \{2, 3, 48^2\})$	16
54	$\mathcal{O}(1; \{2^2\})$	2592
56	$\mathcal{O}(0; \{2^2, 56^2\})$	24
57	$\mathcal{O}(0; \{57^3\})$	612
58	$\mathcal{O}(0; \{2^2, 29^2\})$	28
58	$\mathcal{O}(0; \{29, 58^2\})$	756
60	$\mathcal{O}(0; \{20, 30, 60\})$	48
60	$\mathcal{O}(0; \{15, 60^2\})$	48
63	$\mathcal{O}(0; \{9, 63^2\})$	108

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Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
64	$\mathcal{O}(0; \{8, 64^2\})$	128
70	$\mathcal{O}(0; \{5, 70^2\})$	72
72	$\mathcal{O}(0; \{8, 9, 72\})$	24
76	$\mathcal{O}(0; \{4, 38, 76\})$	36
84	$\mathcal{O}(0; \{3, 84^2\})$	24
87	$\mathcal{O}(0; \{3, 29, 87\})$	56
112	$\mathcal{O}(0; \{2, 112^2\})$	48
114	$\mathcal{O}(0; \{2, 57, 114\})$	36

Table 9: 29-admissible orbifolds.

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(29; \emptyset)$	1
2	$\mathcal{O}(15; \emptyset)$	1073741823
2	$\mathcal{O}(14; \{2^4\})$	268435456
2	$\mathcal{O}(13; \{2^8\})$	67108864
2	$\mathcal{O}(12; \{2^{12}\})$	16777216
2	$\mathcal{O}(11; \{2^{16}\})$	4194304
2	$\mathcal{O}(10; \{2^{20}\})$	1048576
2	$\mathcal{O}(9; \{2^{24}\})$	262144
2	$\mathcal{O}(8; \{2^{28}\})$	65536
2	$\mathcal{O}(7; \{2^{32}\})$	16384
2	$\mathcal{O}(6; \{2^{36}\})$	4096
2	$\mathcal{O}(5; \{2^{40}\})$	1024
2	$\mathcal{O}(4; \{2^{44}\})$	256
2	$\mathcal{O}(3; \{2^{48}\})$	64
2	$\mathcal{O}(2; \{2^{52}\})$	16
2	$\mathcal{O}(1; \{2^{56}\})$	4
2	$\mathcal{O}(0; \{2^{60}\})$	1
3	$\mathcal{O}(9; \{3^4\})$	2324522934
3	$\mathcal{O}(8; \{3^7\})$	1807962282
3	$\mathcal{O}(7; \{3^{10}\})$	1635775398
3	$\mathcal{O}(6; \{3^{13}\})$	1450833930
3	$\mathcal{O}(5; \{3^{16}\})$	1289984454
3	$\mathcal{O}(4; \{3^{19}\})$	1146613482
3	$\mathcal{O}(3; \{3^{22}\})$	1019216358
3	$\mathcal{O}(2; \{3^{25}\})$	905969610
3	$\mathcal{O}(1; \{3^{28}\})$	805306374
3	$\mathcal{O}(0; \{3^{31}\})$	715827882
4	$\mathcal{O}(8; \emptyset)$	4294901760

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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	$\mathcal{O}(7; \{2^4\})$	268419072
4	$\mathcal{O}(7; \{2, 4^2\})$	536870912
4	$\mathcal{O}(6; \{2^8\})$	16773120
4	$\mathcal{O}(6; \{2^5, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^2, 4^4\})$	134217728
4	$\mathcal{O}(5; \{2^{12}\})$	1047552
4	$\mathcal{O}(5; \{2^9, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^6, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^3, 4^6\})$	33554432
4	$\mathcal{O}(5; \{4^8\})$	134217728
4	$\mathcal{O}(4; \{2^{16}\})$	65280
4	$\mathcal{O}(4; \{2^{13}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{10}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^7, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^4, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2, 4^{10}\})$	33554432
4	$\mathcal{O}(3; \{2^{20}\})$	4032
4	$\mathcal{O}(3; \{2^{17}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{14}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{11}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^8, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^5, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^2, 4^{12}\})$	8388608
4	$\mathcal{O}(2; \{2^{24}\})$	240
4	$\mathcal{O}(2; \{2^{21}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{18}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{15}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{12}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^9, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^6, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^3, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{4^{16}\})$	8388608
4	$\mathcal{O}(1; \{2^{28}\})$	12
4	$\mathcal{O}(1; \{2^{25}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{22}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{19}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{16}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{13}, 4^{10}\})$	8192
4	$\mathcal{O}(1; \{2^{10}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^7, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^4, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2, 4^{18}\})$	2097152
4	$\mathcal{O}(0; \{2^{29}, 4^2\})$	2

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
4	$\mathcal{O}(0; \{2^{26}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{23}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{20}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{17}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{14}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{11}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^8, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^5, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^2, 4^{20}\})$	524288
5	$\mathcal{O}(5; \{5^4\})$	507812500
5	$\mathcal{O}(3; \{5^9\})$	819187500
5	$\mathcal{O}(1; \{5^{14}\})$	1342177300
6	$\mathcal{O}(5; \{3^2\})$	120814254
6	$\mathcal{O}(4; \{2^4, 3^2\})$	3359232
6	$\mathcal{O}(4; \{3^5\})$	16730550
6	$\mathcal{O}(4; \{2, 3^3, 6\})$	10077696
6	$\mathcal{O}(4; \{2^2, 3, 6^2\})$	3359232
6	$\mathcal{O}(4; \{6^4\})$	10077696
6	$\mathcal{O}(3; \{2^8, 3^2\})$	93312
6	$\mathcal{O}(3; \{2^4, 3^5\})$	466560
6	$\mathcal{O}(3; \{3^8\})$	3949722
6	$\mathcal{O}(3; \{2^5, 3^3, 6\})$	279936
6	$\mathcal{O}(3; \{2, 3^6, 6\})$	1959552
6	$\mathcal{O}(3; \{2^6, 3, 6^2\})$	93312
6	$\mathcal{O}(3; \{2^2, 3^4, 6^2\})$	1026432
6	$\mathcal{O}(3; \{2^3, 3^2, 6^3\})$	466560
6	$\mathcal{O}(3; \{2^4, 6^4\})$	279936
6	$\mathcal{O}(3; \{3^3, 6^4\})$	1959552
6	$\mathcal{O}(3; \{2, 3, 6^5\})$	1026432
6	$\mathcal{O}(2; \{2^{12}, 3^2\})$	2592
6	$\mathcal{O}(2; \{2^8, 3^5\})$	12960
6	$\mathcal{O}(2; \{2^4, 3^8\})$	111456
6	$\mathcal{O}(2; \{3^{11}\})$	828630
6	$\mathcal{O}(2; \{2^9, 3^3, 6\})$	7776
6	$\mathcal{O}(2; \{2^5, 3^6, 6\})$	54432
6	$\mathcal{O}(2; \{2, 3^9, 6\})$	443232
6	$\mathcal{O}(2; \{2^{10}, 3, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^6, 3^4, 6^2\})$	28512
6	$\mathcal{O}(2; \{2^2, 3^7, 6^2\})$	220320
6	$\mathcal{O}(2; \{2^7, 3^2, 6^3\})$	12960
6	$\mathcal{O}(2; \{2^3, 3^5, 6^3\})$	111456
6	$\mathcal{O}(2; \{2^8, 6^4\})$	7776
6	$\mathcal{O}(2; \{2^4, 3^3, 6^4\})$	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	$\mathcal{O}(2; \{3^6, 6^4\})$	443232
6	$\mathcal{O}(2; \{2^5, 3, 6^5\})$	28512
6	$\mathcal{O}(2; \{2, 3^4, 6^5\})$	220320
6	$\mathcal{O}(2; \{2^2, 3^2, 6^6\})$	111456
6	$\mathcal{O}(2; \{2^3, 6^7\})$	54432
6	$\mathcal{O}(2; \{3, 6^8\})$	220320
6	$\mathcal{O}(1; \{2^{16}, 3^2\})$	72
6	$\mathcal{O}(1; \{2^{12}, 3^5\})$	360
6	$\mathcal{O}(1; \{2^8, 3^8\})$	3096
6	$\mathcal{O}(1; \{2^4, 3^{11}\})$	24552
6	$\mathcal{O}(1; \{3^{14}\})$	147474
6	$\mathcal{O}(1; \{2^{13}, 3^3, 6\})$	216
6	$\mathcal{O}(1; \{2^9, 3^6, 6\})$	1512
6	$\mathcal{O}(1; \{2^5, 3^9, 6\})$	12312
6	$\mathcal{O}(1; \{2, 3^{12}, 6\})$	98280
6	$\mathcal{O}(1; \{2^{14}, 3, 6^2\})$	72
6	$\mathcal{O}(1; \{2^{10}, 3^4, 6^2\})$	792
6	$\mathcal{O}(1; \{2^6, 3^7, 6^2\})$	6120
6	$\mathcal{O}(1; \{2^2, 3^{10}, 6^2\})$	49176
6	$\mathcal{O}(1; \{2^{11}, 3^2, 6^3\})$	360
6	$\mathcal{O}(1; \{2^7, 3^5, 6^3\})$	3096
6	$\mathcal{O}(1; \{2^3, 3^8, 6^3\})$	24552
6	$\mathcal{O}(1; \{2^{12}, 6^4\})$	216
6	$\mathcal{O}(1; \{2^8, 3^3, 6^4\})$	1512
6	$\mathcal{O}(1; \{2^4, 3^6, 6^4\})$	12312
6	$\mathcal{O}(1; \{3^9, 6^4\})$	98280
6	$\mathcal{O}(1; \{2^9, 3, 6^5\})$	792
6	$\mathcal{O}(1; \{2^5, 3^4, 6^5\})$	6120
6	$\mathcal{O}(1; \{2, 3^7, 6^5\})$	49176
6	$\mathcal{O}(1; \{2^6, 3^2, 6^6\})$	3096
6	$\mathcal{O}(1; \{2^2, 3^5, 6^6\})$	24552
6	$\mathcal{O}(1; \{2^7, 6^7\})$	1512
6	$\mathcal{O}(1; \{2^3, 3^3, 6^7\})$	12312
6	$\mathcal{O}(1; \{2^4, 3, 6^8\})$	6120
6	$\mathcal{O}(1; \{3^4, 6^8\})$	49176
6	$\mathcal{O}(1; \{2, 3^2, 6^9\})$	24552
6	$\mathcal{O}(1; \{2^2, 6^{10}\})$	12312
6	$\mathcal{O}(0; \{2^{20}, 3^2\})$	2
6	$\mathcal{O}(0; \{2^{16}, 3^5\})$	10
6	$\mathcal{O}(0; \{2^{12}, 3^8\})$	86
6	$\mathcal{O}(0; \{2^8, 3^{11}\})$	682
6	$\mathcal{O}(0; \{2^4, 3^{14}\})$	5462
6	$\mathcal{O}(0; \{2^{17}, 3^3, 6\})$	6

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
6	$\mathcal{O}(0; \{2^{13}, 3^6, 6\})$	42
6	$\mathcal{O}(0; \{2^9, 3^9, 6\})$	342
6	$\mathcal{O}(0; \{2^5, 3^{12}, 6\})$	2730
6	$\mathcal{O}(0; \{2, 3^{15}, 6\})$	21846
6	$\mathcal{O}(0; \{2^{18}, 3, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{14}, 3^4, 6^2\})$	22
6	$\mathcal{O}(0; \{2^{10}, 3^7, 6^2\})$	170
6	$\mathcal{O}(0; \{2^6, 3^{10}, 6^2\})$	1366
6	$\mathcal{O}(0; \{2^2, 3^{13}, 6^2\})$	10922
6	$\mathcal{O}(0; \{2^{15}, 3^2, 6^3\})$	10
6	$\mathcal{O}(0; \{2^{11}, 3^5, 6^3\})$	86
6	$\mathcal{O}(0; \{2^7, 3^8, 6^3\})$	682
6	$\mathcal{O}(0; \{2^3, 3^{11}, 6^3\})$	5462
6	$\mathcal{O}(0; \{2^{16}, 6^4\})$	6
6	$\mathcal{O}(0; \{2^{12}, 3^3, 6^4\})$	42
6	$\mathcal{O}(0; \{2^8, 3^6, 6^4\})$	342
6	$\mathcal{O}(0; \{2^4, 3^9, 6^4\})$	2730
6	$\mathcal{O}(0; \{3^{12}, 6^4\})$	21846
6	$\mathcal{O}(0; \{2^{13}, 3, 6^5\})$	22
6	$\mathcal{O}(0; \{2^9, 3^4, 6^5\})$	170
6	$\mathcal{O}(0; \{2^5, 3^7, 6^5\})$	1366
6	$\mathcal{O}(0; \{2, 3^{10}, 6^5\})$	10922
6	$\mathcal{O}(0; \{2^{10}, 3^2, 6^6\})$	86
6	$\mathcal{O}(0; \{2^6, 3^5, 6^6\})$	682
6	$\mathcal{O}(0; \{2^2, 3^8, 6^6\})$	5462
6	$\mathcal{O}(0; \{2^{11}, 6^7\})$	42
6	$\mathcal{O}(0; \{2^7, 3^3, 6^7\})$	342
6	$\mathcal{O}(0; \{2^3, 3^6, 6^7\})$	2730
6	$\mathcal{O}(0; \{2^8, 3, 6^8\})$	170
6	$\mathcal{O}(0; \{2^4, 3^4, 6^8\})$	1366
6	$\mathcal{O}(0; \{3^7, 6^8\})$	10922
6	$\mathcal{O}(0; \{2^5, 3^2, 6^9\})$	682
6	$\mathcal{O}(0; \{2, 3^5, 6^9\})$	5462
6	$\mathcal{O}(0; \{2^6, 6^{10}\})$	342
6	$\mathcal{O}(0; \{2^2, 3^3, 6^{10}\})$	2730
6	$\mathcal{O}(0; \{2^3, 3, 6^{11}\})$	1366
6	$\mathcal{O}(0; \{3^2, 6^{12}\})$	5462
6	$\mathcal{O}(0; \{2, 6^{13}\})$	2730
7	$\mathcal{O}(5; \emptyset)$	282475248
7	$\mathcal{O}(2; \{7^7\})$	96015990
8	$\mathcal{O}(4; \{2^2\})$	16711680
8	$\mathcal{O}(3; \{2^6\})$	258048
8	$\mathcal{O}(3; \{2^3, 4^2\})$	516096

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
8	$\mathcal{O}(3; \{4^4\})$	2064384
8	$\mathcal{O}(3; \{2, 4, 8^2\})$	2097152
8	$\mathcal{O}(2; \{2^{10}\})$	3840
8	$\mathcal{O}(2; \{2^7, 4^2\})$	7680
8	$\mathcal{O}(2; \{2^4, 4^4\})$	30720
8	$\mathcal{O}(2; \{2, 4^6\})$	122880
8	$\mathcal{O}(2; \{2^5, 4, 8^2\})$	32768
8	$\mathcal{O}(2; \{2^2, 4^3, 8^2\})$	131072
8	$\mathcal{O}(2; \{2^3, 8^4\})$	262144
8	$\mathcal{O}(2; \{4^2, 8^4\})$	1048576
8	$\mathcal{O}(1; \{2^{14}\})$	48
8	$\mathcal{O}(1; \{2^{11}, 4^2\})$	96
8	$\mathcal{O}(1; \{2^8, 4^4\})$	384
8	$\mathcal{O}(1; \{2^5, 4^6\})$	1536
8	$\mathcal{O}(1; \{2^2, 4^8\})$	6144
8	$\mathcal{O}(1; \{2^9, 4, 8^2\})$	512
8	$\mathcal{O}(1; \{2^6, 4^3, 8^2\})$	2048
8	$\mathcal{O}(1; \{2^3, 4^5, 8^2\})$	8192
8	$\mathcal{O}(1; \{4^7, 8^2\})$	32768
8	$\mathcal{O}(1; \{2^7, 8^4\})$	4096
8	$\mathcal{O}(1; \{2^4, 4^2, 8^4\})$	16384
8	$\mathcal{O}(1; \{2, 4^4, 8^4\})$	65536
8	$\mathcal{O}(1; \{2^2, 4, 8^6\})$	131072
8	$\mathcal{O}(1; \{8^8\})$	1048576
8	$\mathcal{O}(0; \{2^{13}, 4, 8^2\})$	8
8	$\mathcal{O}(0; \{2^{10}, 4^3, 8^2\})$	32
8	$\mathcal{O}(0; \{2^7, 4^5, 8^2\})$	128
8	$\mathcal{O}(0; \{2^4, 4^7, 8^2\})$	512
8	$\mathcal{O}(0; \{2, 4^9, 8^2\})$	2048
8	$\mathcal{O}(0; \{2^{11}, 8^4\})$	64
8	$\mathcal{O}(0; \{2^8, 4^2, 8^4\})$	256
8	$\mathcal{O}(0; \{2^5, 4^4, 8^4\})$	1024
8	$\mathcal{O}(0; \{2^2, 4^6, 8^4\})$	4096
8	$\mathcal{O}(0; \{2^6, 4, 8^6\})$	2048
8	$\mathcal{O}(0; \{2^3, 4^3, 8^6\})$	8192
8	$\mathcal{O}(0; \{4^5, 8^6\})$	32768
8	$\mathcal{O}(0; \{2^4, 8^8\})$	16384
8	$\mathcal{O}(0; \{2, 4^2, 8^8\})$	65536
9	$\mathcal{O}(2; \{3, 9^4\})$	2125764
9	$\mathcal{O}(1; \{3^4, 9^4\})$	209952
9	$\mathcal{O}(1; \{9^7\})$	2480058
9	$\mathcal{O}(0; \{3^7, 9^4\})$	20736
9	$\mathcal{O}(0; \{3^3, 9^7\})$	244944

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
10	$\mathcal{O}(3; \{5^2\})$	3937500
10	$\mathcal{O}(2; \{2^4, 5^2\})$	40000
10	$\mathcal{O}(2; \{2^2, 5, 10^2\})$	120000
10	$\mathcal{O}(2; \{10^4\})$	520000
10	$\mathcal{O}(1; \{2^8, 5^2\})$	400
10	$\mathcal{O}(1; \{5^7\})$	245700
10	$\mathcal{O}(1; \{2^3, 5^4, 10\})$	20400
10	$\mathcal{O}(1; \{2^6, 5, 10^2\})$	1200
10	$\mathcal{O}(1; \{2, 5^3, 10^3\})$	82000
10	$\mathcal{O}(1; \{2^4, 10^4\})$	5200
10	$\mathcal{O}(0; \{2^{12}, 5^2\})$	4
10	$\mathcal{O}(0; \{2^4, 5^7\})$	3276
10	$\mathcal{O}(0; \{2^7, 5^4, 10\})$	204
10	$\mathcal{O}(0; \{2^{10}, 5, 10^2\})$	12
10	$\mathcal{O}(0; \{2^2, 5^6, 10^2\})$	13108
10	$\mathcal{O}(0; \{2^5, 5^3, 10^3\})$	820
10	$\mathcal{O}(0; \{2^8, 10^4\})$	52
10	$\mathcal{O}(0; \{5^5, 10^4\})$	52428
10	$\mathcal{O}(0; \{2^3, 5^2, 10^5\})$	3276
10	$\mathcal{O}(0; \{2, 5, 10^7\})$	13108
12	$\mathcal{O}(2; \{3^4\})$	116640
12	$\mathcal{O}(2; \{2, 3^2, 6\})$	38880
12	$\mathcal{O}(2; \{2^2, 6^2\})$	38880
12	$\mathcal{O}(2; \{6, 12^2\})$	82944
12	$\mathcal{O}(1; \{2^4, 3^4\})$	648
12	$\mathcal{O}(1; \{3^7\})$	4536
12	$\mathcal{O}(1; \{2, 3^4, 4^2\})$	1728
12	$\mathcal{O}(1; \{2^5, 3^2, 6\})$	216
12	$\mathcal{O}(1; \{2, 3^5, 6\})$	2376
12	$\mathcal{O}(1; \{2^2, 3^2, 4^2, 6\})$	576
12	$\mathcal{O}(1; \{2^6, 6^2\})$	216
12	$\mathcal{O}(1; \{2^2, 3^3, 6^2\})$	1080
12	$\mathcal{O}(1; \{2^3, 4^2, 6^2\})$	576
12	$\mathcal{O}(1; \{4^4, 6^2\})$	2304
12	$\mathcal{O}(1; \{2^3, 3, 6^3\})$	648
12	$\mathcal{O}(1; \{3, 4^2, 6^3\})$	1728
12	$\mathcal{O}(1; \{3^2, 6^4\})$	2376
12	$\mathcal{O}(1; \{2, 6^5\})$	1080
12	$\mathcal{O}(1; \{2^2, 3^3, 4, 12\})$	1728
12	$\mathcal{O}(1; \{2^3, 3, 4, 6, 12\})$	576
12	$\mathcal{O}(1; \{3, 4^3, 6, 12\})$	2304
12	$\mathcal{O}(1; \{3^2, 4, 6^2, 12\})$	2880
12	$\mathcal{O}(1; \{2, 4, 6^3, 12\})$	1728

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(1; \{2^3, 3^2, 12^2\})$	1728
12	$\mathcal{O}(1; \{3^2, 4^2, 12^2\})$	6912
12	$\mathcal{O}(1; \{2^4, 6, 12^2\})$	576
12	$\mathcal{O}(1; \{3^3, 6, 12^2\})$	6336
12	$\mathcal{O}(1; \{2, 4^2, 6, 12^2\})$	2304
12	$\mathcal{O}(1; \{2, 3, 6^2, 12^2\})$	2880
12	$\mathcal{O}(1; \{2, 3, 4, 12^3\})$	6912
12	$\mathcal{O}(1; \{2^2, 12^4\})$	6912
12	$\mathcal{O}(0; \{2^5, 3^4, 4^2\})$	12
12	$\mathcal{O}(0; \{2, 3^7, 4^2\})$	84
12	$\mathcal{O}(0; \{2^2, 3^4, 4^4\})$	48
12	$\mathcal{O}(0; \{2^6, 3^2, 4^2, 6\})$	4
12	$\mathcal{O}(0; \{2^2, 3^5, 4^2, 6\})$	44
12	$\mathcal{O}(0; \{2^3, 3^2, 4^4, 6\})$	16
12	$\mathcal{O}(0; \{3^2, 4^6, 6\})$	64
12	$\mathcal{O}(0; \{2^7, 4^2, 6^2\})$	4
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 6^2\})$	20
12	$\mathcal{O}(0; \{2^4, 4^4, 6^2\})$	16
12	$\mathcal{O}(0; \{3^3, 4^4, 6^2\})$	80
12	$\mathcal{O}(0; \{2, 4^6, 6^2\})$	64
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6^3\})$	12
12	$\mathcal{O}(0; \{3^4, 4^2, 6^3\})$	84
12	$\mathcal{O}(0; \{2, 3, 4^4, 6^3\})$	48
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^4\})$	44
12	$\mathcal{O}(0; \{2^2, 4^2, 6^5\})$	20
12	$\mathcal{O}(0; \{2^6, 3^3, 4, 12\})$	12
12	$\mathcal{O}(0; \{2^2, 3^6, 4, 12\})$	84
12	$\mathcal{O}(0; \{2^3, 3^3, 4^3, 12\})$	48
12	$\mathcal{O}(0; \{3^3, 4^5, 12\})$	192
12	$\mathcal{O}(0; \{2^7, 3, 4, 6, 12\})$	4
12	$\mathcal{O}(0; \{2^3, 3^4, 4, 6, 12\})$	44
12	$\mathcal{O}(0; \{2^4, 3, 4^3, 6, 12\})$	16
12	$\mathcal{O}(0; \{3^4, 4^3, 6, 12\})$	176
12	$\mathcal{O}(0; \{2, 3, 4^5, 6, 12\})$	64
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 6^2, 12\})$	20
12	$\mathcal{O}(0; \{3^5, 4, 6^2, 12\})$	172
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 6^2, 12\})$	80
12	$\mathcal{O}(0; \{2^5, 4, 6^3, 12\})$	12
12	$\mathcal{O}(0; \{2, 3^3, 4, 6^3, 12\})$	84
12	$\mathcal{O}(0; \{2^2, 4^3, 6^3, 12\})$	48
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^4, 12\})$	44
12	$\mathcal{O}(0; \{4, 6^6, 12\})$	84
12	$\mathcal{O}(0; \{2^7, 3^2, 12^2\})$	12

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{2^3, 3^5, 12^2\})$	84
12	$\mathcal{O}(0; \{2^4, 3^2, 4^2, 12^2\})$	48
12	$\mathcal{O}(0; \{3^5, 4^2, 12^2\})$	336
12	$\mathcal{O}(0; \{2, 3^2, 4^4, 12^2\})$	192
12	$\mathcal{O}(0; \{2^8, 6, 12^2\})$	4
12	$\mathcal{O}(0; \{2^4, 3^3, 6, 12^2\})$	44
12	$\mathcal{O}(0; \{3^6, 6, 12^2\})$	340
12	$\mathcal{O}(0; \{2^5, 4^2, 6, 12^2\})$	16
12	$\mathcal{O}(0; \{2, 3^3, 4^2, 6, 12^2\})$	176
12	$\mathcal{O}(0; \{2^2, 4^4, 6, 12^2\})$	64
12	$\mathcal{O}(0; \{2^5, 3, 6^2, 12^2\})$	20
12	$\mathcal{O}(0; \{2, 3^4, 6^2, 12^2\})$	172
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 6^2, 12^2\})$	80
12	$\mathcal{O}(0; \{2^2, 3^2, 6^3, 12^2\})$	84
12	$\mathcal{O}(0; \{2^3, 6^4, 12^2\})$	44
12	$\mathcal{O}(0; \{4^2, 6^4, 12^2\})$	176
12	$\mathcal{O}(0; \{3, 6^5, 12^2\})$	172
12	$\mathcal{O}(0; \{2^5, 3, 4, 12^3\})$	48
12	$\mathcal{O}(0; \{2, 3^4, 4, 12^3\})$	336
12	$\mathcal{O}(0; \{2^2, 3, 4^3, 12^3\})$	192
12	$\mathcal{O}(0; \{2^2, 3^2, 4, 6, 12^3\})$	176
12	$\mathcal{O}(0; \{2^3, 4, 6^2, 12^3\})$	80
12	$\mathcal{O}(0; \{4^3, 6^2, 12^3\})$	320
12	$\mathcal{O}(0; \{3, 4, 6^3, 12^3\})$	336
12	$\mathcal{O}(0; \{2^6, 12^4\})$	48
12	$\mathcal{O}(0; \{2^2, 3^3, 12^4\})$	336
12	$\mathcal{O}(0; \{2^3, 4^2, 12^4\})$	192
12	$\mathcal{O}(0; \{4^4, 12^4\})$	768
12	$\mathcal{O}(0; \{2^3, 3, 6, 12^4\})$	176
12	$\mathcal{O}(0; \{3, 4^2, 6, 12^4\})$	704
12	$\mathcal{O}(0; \{3^2, 6^2, 12^4\})$	688
12	$\mathcal{O}(0; \{2, 6^3, 12^4\})$	336
12	$\mathcal{O}(0; \{3^2, 4, 12^5\})$	1344
12	$\mathcal{O}(0; \{2, 4, 6, 12^5\})$	704
12	$\mathcal{O}(0; \{2, 3, 12^6\})$	1344
14	$\mathcal{O}(3; \emptyset)$	7411824
14	$\mathcal{O}(2; \{2^4\})$	38400
14	$\mathcal{O}(1; \{2^8\})$	192
14	$\mathcal{O}(1; \{2, 7^3, 14\})$	36456
14	$\mathcal{O}(0; \{2^5, 7^3, 14\})$	186
14	$\mathcal{O}(0; \{2^3, 7^2, 14^3\})$	1110
14	$\mathcal{O}(0; \{2, 7, 14^5\})$	6666
15	$\mathcal{O}(1; \{3^2, 5^3\})$	5400

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
15	$\mathcal{O}(1; \{3^3, 5, 15\})$	5400
15	$\mathcal{O}(1; \{15^4\})$	70200
15	$\mathcal{O}(0; \{3^5, 5^3\})$	120
15	$\mathcal{O}(0; \{3^6, 5, 15\})$	168
15	$\mathcal{O}(0; \{3, 5^4, 15^2\})$	1640
15	$\mathcal{O}(0; \{3^2, 5^2, 15^3\})$	2040
15	$\mathcal{O}(0; \{3^3, 15^4\})$	2184
16	$\mathcal{O}(2; \{4^2\})$	122880
16	$\mathcal{O}(1; \{2^4, 4^2\})$	384
16	$\mathcal{O}(1; \{2, 4^4\})$	1536
16	$\mathcal{O}(1; \{2^2, 4, 8^2\})$	1536
16	$\mathcal{O}(1; \{8^4\})$	12288
16	$\mathcal{O}(1; \{4, 8, 16^2\})$	16384
16	$\mathcal{O}(0; \{2^4, 4, 8, 16^2\})$	64
16	$\mathcal{O}(0; \{2, 4^3, 8, 16^2\})$	256
16	$\mathcal{O}(0; \{2^2, 8^3, 16^2\})$	512
16	$\mathcal{O}(0; \{2^2, 4, 16^4\})$	1024
16	$\mathcal{O}(0; \{8^2, 16^4\})$	8192
18	$\mathcal{O}(1; \{3^2, 9^2\})$	5832
18	$\mathcal{O}(1; \{2, 6, 9^2\})$	3888
18	$\mathcal{O}(0; \{2^4, 3^2, 9^2\})$	24
18	$\mathcal{O}(0; \{2^5, 6, 9^2\})$	12
18	$\mathcal{O}(0; \{2, 3^3, 6, 9^2\})$	96
18	$\mathcal{O}(0; \{2^2, 3, 6^2, 9^2\})$	48
18	$\mathcal{O}(0; \{6^4, 9^2\})$	96
18	$\mathcal{O}(0; \{2^3, 9^3, 18\})$	162
18	$\mathcal{O}(0; \{3, 6, 9^3, 18\})$	648
18	$\mathcal{O}(0; \{2^2, 3^2, 9, 18^2\})$	72
18	$\mathcal{O}(0; \{2^3, 6, 9, 18^2\})$	36
18	$\mathcal{O}(0; \{3, 6^2, 9, 18^2\})$	144
18	$\mathcal{O}(0; \{2, 9^2, 18^3\})$	810
18	$\mathcal{O}(0; \{3^2, 18^4\})$	648
18	$\mathcal{O}(0; \{2, 6, 18^4\})$	324
20	$\mathcal{O}(1; \{2^2, 10^2\})$	1200
20	$\mathcal{O}(1; \{10, 20^2\})$	9600
20	$\mathcal{O}(0; \{4^2, 5^3, 10\})$	104
20	$\mathcal{O}(0; \{2^3, 4^2, 10^2\})$	8
20	$\mathcal{O}(0; \{4^4, 10^2\})$	32
20	$\mathcal{O}(0; \{2^3, 4, 5^2, 20\})$	24
20	$\mathcal{O}(0; \{4^3, 5^2, 20\})$	96
20	$\mathcal{O}(0; \{2, 4, 5, 10^2, 20\})$	104
20	$\mathcal{O}(0; \{2, 5^3, 20^2\})$	408
20	$\mathcal{O}(0; \{2^4, 10, 20^2\})$	24

Continued on next page

Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
20	$\mathcal{O}(0; \{2, 4^2, 10, 20^2\})$	96
20	$\mathcal{O}(0; \{2^2, 20^4\})$	416
21	$\mathcal{O}(1; \{3^4\})$	2592
21	$\mathcal{O}(0; \{3^3, 7^2, 21\})$	180
21	$\mathcal{O}(0; \{7, 21^4\})$	6660
24	$\mathcal{O}(1; \{2^2, 3^2\})$	864
24	$\mathcal{O}(1; \{3, 6^2\})$	864
24	$\mathcal{O}(1; \{3, 4, 12\})$	1728
24	$\mathcal{O}(1; \{2, 12^2\})$	1728
24	$\mathcal{O}(0; \{2, 3^2, 4, 8^2\})$	16
24	$\mathcal{O}(0; \{2^2, 3, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{6^2, 8^2, 12\})$	16
24	$\mathcal{O}(0; \{4, 8^2, 12^2\})$	64
24	$\mathcal{O}(0; \{2, 3^3, 8, 24\})$	24
24	$\mathcal{O}(0; \{2^2, 3, 6, 8, 24\})$	8
24	$\mathcal{O}(0; \{6^3, 8, 24\})$	24
24	$\mathcal{O}(0; \{4, 6, 8, 12, 24\})$	32
24	$\mathcal{O}(0; \{3, 8, 12^2, 24\})$	96
24	$\mathcal{O}(0; \{2^2, 3, 4, 24^2\})$	16
24	$\mathcal{O}(0; \{4, 6^2, 24^2\})$	48
24	$\mathcal{O}(0; \{3, 8^2, 24^2\})$	128
24	$\mathcal{O}(0; \{2^3, 12, 24^2\})$	16
24	$\mathcal{O}(0; \{4^2, 12, 24^2\})$	64
24	$\mathcal{O}(0; \{3, 6, 12, 24^2\})$	80
24	$\mathcal{O}(0; \{2, 24^4\})$	384
28	$\mathcal{O}(2; \emptyset)$	576000
28	$\mathcal{O}(1; \{2^4\})$	576
28	$\mathcal{O}(1; \{2, 4^2\})$	1536
28	$\mathcal{O}(0; \{2, 4, 7, 14, 28\})$	60
29	$\mathcal{O}(1; \{29^2\})$	23548
30	$\mathcal{O}(1; \{15^2\})$	5400
30	$\mathcal{O}(0; \{3^2, 5, 6, 10\})$	8
30	$\mathcal{O}(0; \{2, 5, 6^2, 10\})$	8
30	$\mathcal{O}(0; \{2, 5^2, 6, 15\})$	24
30	$\mathcal{O}(0; \{2^4, 15^2\})$	8
30	$\mathcal{O}(0; \{2, 3, 6, 15^2\})$	24
30	$\mathcal{O}(0; \{3^3, 10, 30\})$	24
30	$\mathcal{O}(0; \{2, 3, 6, 10, 30\})$	8
30	$\mathcal{O}(0; \{2, 3, 5, 15, 30\})$	24
30	$\mathcal{O}(0; \{2^2, 15, 30^2\})$	24
30	$\mathcal{O}(0; \{30^4\})$	312
32	$\mathcal{O}(1; \{8^2\})$	3072
32	$\mathcal{O}(0; \{8, 16, 32^2\})$	512

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Table 9 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
35	$\mathcal{O}(1; \{5^2\})$	4800
35	$\mathcal{O}(0; \{5, 7, 35^2\})$	360
36	$\mathcal{O}(0; \{4, 12, 18^2\})$	24
36	$\mathcal{O}(0; \{4, 9, 18, 36\})$	36
36	$\mathcal{O}(0; \{3, 18, 36^2\})$	72
40	$\mathcal{O}(0; \{4, 5, 8, 40\})$	32
40	$\mathcal{O}(0; \{2, 20, 40^2\})$	96
42	$\mathcal{O}(1; \{3^2\})$	2592
42	$\mathcal{O}(0; \{2, 14, 21^2\})$	60
42	$\mathcal{O}(0; \{3, 6, 7, 42\})$	12
56	$\mathcal{O}(1; \{2^2\})$	2304
58	$\mathcal{O}(0; \{2^2, 58^2\})$	28
59	$\mathcal{O}(0; \{59^3\})$	3306
60	$\mathcal{O}(0; \{30, 60^2\})$	48
70	$\mathcal{O}(0; \{10, 14, 35\})$	24
87	$\mathcal{O}(0; \{3, 87^2\})$	56
116	$\mathcal{O}(0; \{2, 116^2\})$	56
118	$\mathcal{O}(0; \{2, 59, 118\})$	58

Table 10: 30-admissible orbifolds.

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
1	$\mathcal{O}(30; \emptyset)$	1
2	$\mathcal{O}(15; \{2^2\})$	1073741824
2	$\mathcal{O}(14; \{2^6\})$	268435456
2	$\mathcal{O}(13; \{2^{10}\})$	67108864
2	$\mathcal{O}(12; \{2^{14}\})$	16777216
2	$\mathcal{O}(11; \{2^{18}\})$	4194304
2	$\mathcal{O}(10; \{2^{22}\})$	1048576
2	$\mathcal{O}(9; \{2^{26}\})$	262144
2	$\mathcal{O}(8; \{2^{30}\})$	65536
2	$\mathcal{O}(7; \{2^{34}\})$	16384
2	$\mathcal{O}(6; \{2^{38}\})$	4096
2	$\mathcal{O}(5; \{2^{42}\})$	1024
2	$\mathcal{O}(4; \{2^{46}\})$	256
2	$\mathcal{O}(3; \{2^{50}\})$	64
2	$\mathcal{O}(2; \{2^{54}\})$	16
2	$\mathcal{O}(1; \{2^{58}\})$	4
2	$\mathcal{O}(0; \{2^{62}\})$	1
3	$\mathcal{O}(10; \{3^2\})$	6973568802

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_O(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
3	$\mathcal{O}(9; \{3^5\})$	3874204890
3	$\mathcal{O}(8; \{3^8\})$	3702018006
3	$\mathcal{O}(7; \{3^{11}\})$	3261984858
3	$\mathcal{O}(6; \{3^{14}\})$	2902730742
3	$\mathcal{O}(5; \{3^{17}\})$	2579850810
3	$\mathcal{O}(4; \{3^{20}\})$	2293240086
3	$\mathcal{O}(3; \{3^{23}\})$	2038431258
3	$\mathcal{O}(2; \{3^{26}\})$	1811939382
3	$\mathcal{O}(1; \{3^{29}\})$	1610612730
3	$\mathcal{O}(0; \{3^{32}\})$	1431655766
4	$\mathcal{O}(7; \{2^2, 4^2\})$	536870912
4	$\mathcal{O}(6; \{2^6, 4^2\})$	33554432
4	$\mathcal{O}(6; \{2^3, 4^4\})$	134217728
4	$\mathcal{O}(6; \{4^6\})$	536870912
4	$\mathcal{O}(5; \{2^{10}, 4^2\})$	2097152
4	$\mathcal{O}(5; \{2^7, 4^4\})$	8388608
4	$\mathcal{O}(5; \{2^4, 4^6\})$	33554432
4	$\mathcal{O}(5; \{2, 4^8\})$	134217728
4	$\mathcal{O}(4; \{2^{14}, 4^2\})$	131072
4	$\mathcal{O}(4; \{2^{11}, 4^4\})$	524288
4	$\mathcal{O}(4; \{2^8, 4^6\})$	2097152
4	$\mathcal{O}(4; \{2^5, 4^8\})$	8388608
4	$\mathcal{O}(4; \{2^2, 4^{10}\})$	33554432
4	$\mathcal{O}(3; \{2^{18}, 4^2\})$	8192
4	$\mathcal{O}(3; \{2^{15}, 4^4\})$	32768
4	$\mathcal{O}(3; \{2^{12}, 4^6\})$	131072
4	$\mathcal{O}(3; \{2^9, 4^8\})$	524288
4	$\mathcal{O}(3; \{2^6, 4^{10}\})$	2097152
4	$\mathcal{O}(3; \{2^3, 4^{12}\})$	8388608
4	$\mathcal{O}(3; \{4^{14}\})$	33554432
4	$\mathcal{O}(2; \{2^{22}, 4^2\})$	512
4	$\mathcal{O}(2; \{2^{19}, 4^4\})$	2048
4	$\mathcal{O}(2; \{2^{16}, 4^6\})$	8192
4	$\mathcal{O}(2; \{2^{13}, 4^8\})$	32768
4	$\mathcal{O}(2; \{2^{10}, 4^{10}\})$	131072
4	$\mathcal{O}(2; \{2^7, 4^{12}\})$	524288
4	$\mathcal{O}(2; \{2^4, 4^{14}\})$	2097152
4	$\mathcal{O}(2; \{2, 4^{16}\})$	8388608
4	$\mathcal{O}(1; \{2^{26}, 4^2\})$	32
4	$\mathcal{O}(1; \{2^{23}, 4^4\})$	128
4	$\mathcal{O}(1; \{2^{20}, 4^6\})$	512
4	$\mathcal{O}(1; \{2^{17}, 4^8\})$	2048
4	$\mathcal{O}(1; \{2^{14}, 4^{10}\})$	8192

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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	$\mathcal{O}(1; \{2^{11}, 4^{12}\})$	32768
4	$\mathcal{O}(1; \{2^8, 4^{14}\})$	131072
4	$\mathcal{O}(1; \{2^5, 4^{16}\})$	524288
4	$\mathcal{O}(1; \{2^2, 4^{18}\})$	2097152
4	$\mathcal{O}(0; \{2^{30}, 4^2\})$	2
4	$\mathcal{O}(0; \{2^{27}, 4^4\})$	8
4	$\mathcal{O}(0; \{2^{24}, 4^6\})$	32
4	$\mathcal{O}(0; \{2^{21}, 4^8\})$	128
4	$\mathcal{O}(0; \{2^{18}, 4^{10}\})$	512
4	$\mathcal{O}(0; \{2^{15}, 4^{12}\})$	2048
4	$\mathcal{O}(0; \{2^{12}, 4^{14}\})$	8192
4	$\mathcal{O}(0; \{2^9, 4^{16}\})$	32768
4	$\mathcal{O}(0; \{2^6, 4^{18}\})$	131072
4	$\mathcal{O}(0; \{2^3, 4^{20}\})$	524288
4	$\mathcal{O}(0; \{4^{22}\})$	2097152
5	$\mathcal{O}(6; \{5^2\})$	976562500
5	$\mathcal{O}(4; \{5^7\})$	1279687500
5	$\mathcal{O}(2; \{5^{12}\})$	2097152500
5	$\mathcal{O}(0; \{5^{17}\})$	3435973836
6	$\mathcal{O}(5; \{6^2\})$	120932352
6	$\mathcal{O}(4; \{2^2, 3^4\})$	10077696
6	$\mathcal{O}(4; \{2^3, 3^2, 6\})$	3359232
6	$\mathcal{O}(4; \{2^4, 6^2\})$	3359232
6	$\mathcal{O}(4; \{3^3, 6^2\})$	16796160
6	$\mathcal{O}(4; \{2, 3, 6^3\})$	10077696
6	$\mathcal{O}(3; \{2^6, 3^4\})$	279936
6	$\mathcal{O}(3; \{2^2, 3^7\})$	1959552
6	$\mathcal{O}(3; \{2^7, 3^2, 6\})$	93312
6	$\mathcal{O}(3; \{2^3, 3^5, 6\})$	1026432
6	$\mathcal{O}(3; \{2^8, 6^2\})$	93312
6	$\mathcal{O}(3; \{2^4, 3^3, 6^2\})$	466560
6	$\mathcal{O}(3; \{3^6, 6^2\})$	4012416
6	$\mathcal{O}(3; \{2^5, 3, 6^3\})$	279936
6	$\mathcal{O}(3; \{2, 3^4, 6^3\})$	1959552
6	$\mathcal{O}(3; \{2^2, 3^2, 6^4\})$	1026432
6	$\mathcal{O}(3; \{2^3, 6^5\})$	466560
6	$\mathcal{O}(3; \{3, 6^6\})$	1959552
6	$\mathcal{O}(2; \{2^{10}, 3^4\})$	7776
6	$\mathcal{O}(2; \{2^6, 3^7\})$	54432
6	$\mathcal{O}(2; \{2^2, 3^{10}\})$	443232
6	$\mathcal{O}(2; \{2^{11}, 3^2, 6\})$	2592
6	$\mathcal{O}(2; \{2^7, 3^5, 6\})$	28512
6	$\mathcal{O}(2; \{2^3, 3^8, 6\})$	220320

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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	$\mathcal{O}(2; \{2^{12}, 6^2\})$	2592
6	$\mathcal{O}(2; \{2^8, 3^3, 6^2\})$	12960
6	$\mathcal{O}(2; \{2^4, 3^6, 6^2\})$	111456
6	$\mathcal{O}(2; \{3^9, 6^2\})$	883872
6	$\mathcal{O}(2; \{2^9, 3, 6^3\})$	7776
6	$\mathcal{O}(2; \{2^5, 3^4, 6^3\})$	54432
6	$\mathcal{O}(2; \{2, 3^7, 6^3\})$	443232
6	$\mathcal{O}(2; \{2^6, 3^2, 6^4\})$	28512
6	$\mathcal{O}(2; \{2^2, 3^5, 6^4\})$	220320
6	$\mathcal{O}(2; \{2^7, 6^5\})$	12960
6	$\mathcal{O}(2; \{2^3, 3^3, 6^5\})$	111456
6	$\mathcal{O}(2; \{2^4, 3, 6^6\})$	54432
6	$\mathcal{O}(2; \{3^4, 6^6\})$	443232
6	$\mathcal{O}(2; \{2, 3^2, 6^7\})$	220320
6	$\mathcal{O}(2; \{2^2, 6^8\})$	111456
6	$\mathcal{O}(1; \{2^{14}, 3^4\})$	216
6	$\mathcal{O}(1; \{2^{10}, 3^7\})$	1512
6	$\mathcal{O}(1; \{2^6, 3^{10}\})$	12312
6	$\mathcal{O}(1; \{2^2, 3^{13}\})$	98280
6	$\mathcal{O}(1; \{2^{15}, 3^2, 6\})$	72
6	$\mathcal{O}(1; \{2^{11}, 3^5, 6\})$	792
6	$\mathcal{O}(1; \{2^7, 3^8, 6\})$	6120
6	$\mathcal{O}(1; \{2^3, 3^{11}, 6\})$	49176
6	$\mathcal{O}(1; \{2^{16}, 6^2\})$	72
6	$\mathcal{O}(1; \{2^{12}, 3^3, 6^2\})$	360
6	$\mathcal{O}(1; \{2^8, 3^6, 6^2\})$	3096
6	$\mathcal{O}(1; \{2^4, 3^9, 6^2\})$	24552
6	$\mathcal{O}(1; \{3^{12}, 6^2\})$	196632
6	$\mathcal{O}(1; \{2^{13}, 3, 6^3\})$	216
6	$\mathcal{O}(1; \{2^9, 3^4, 6^3\})$	1512
6	$\mathcal{O}(1; \{2^5, 3^7, 6^3\})$	12312
6	$\mathcal{O}(1; \{2, 3^{10}, 6^3\})$	98280
6	$\mathcal{O}(1; \{2^{10}, 3^2, 6^4\})$	792
6	$\mathcal{O}(1; \{2^6, 3^5, 6^4\})$	6120
6	$\mathcal{O}(1; \{2^2, 3^8, 6^4\})$	49176
6	$\mathcal{O}(1; \{2^{11}, 6^5\})$	360
6	$\mathcal{O}(1; \{2^7, 3^3, 6^5\})$	3096
6	$\mathcal{O}(1; \{2^3, 3^6, 6^5\})$	24552
6	$\mathcal{O}(1; \{2^8, 3, 6^6\})$	1512
6	$\mathcal{O}(1; \{2^4, 3^4, 6^6\})$	12312
6	$\mathcal{O}(1; \{3^7, 6^6\})$	98280
6	$\mathcal{O}(1; \{2^5, 3^2, 6^7\})$	6120
6	$\mathcal{O}(1; \{2, 3^5, 6^7\})$	49176

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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	$\mathcal{O}(1; \{2^6, 6^8\})$	3096
6	$\mathcal{O}(1; \{2^2, 3^3, 6^8\})$	24552
6	$\mathcal{O}(1; \{2^3, 3, 6^9\})$	12312
6	$\mathcal{O}(1; \{3^2, 6^{10}\})$	49176
6	$\mathcal{O}(1; \{2, 6^{11}\})$	24552
6	$\mathcal{O}(0; \{2^{18}, 3^4\})$	6
6	$\mathcal{O}(0; \{2^{14}, 3^7\})$	42
6	$\mathcal{O}(0; \{2^{10}, 3^{10}\})$	342
6	$\mathcal{O}(0; \{2^6, 3^{13}\})$	2730
6	$\mathcal{O}(0; \{2^2, 3^{16}\})$	21846
6	$\mathcal{O}(0; \{2^{19}, 3^2, 6\})$	2
6	$\mathcal{O}(0; \{2^{15}, 3^5, 6\})$	22
6	$\mathcal{O}(0; \{2^{11}, 3^8, 6\})$	170
6	$\mathcal{O}(0; \{2^7, 3^{11}, 6\})$	1366
6	$\mathcal{O}(0; \{2^3, 3^{14}, 6\})$	10922
6	$\mathcal{O}(0; \{2^{20}, 6^2\})$	2
6	$\mathcal{O}(0; \{2^{16}, 3^3, 6^2\})$	10
6	$\mathcal{O}(0; \{2^{12}, 3^6, 6^2\})$	86
6	$\mathcal{O}(0; \{2^8, 3^9, 6^2\})$	682
6	$\mathcal{O}(0; \{2^4, 3^{12}, 6^2\})$	5462
6	$\mathcal{O}(0; \{3^{15}, 6^2\})$	43690
6	$\mathcal{O}(0; \{2^{17}, 3, 6^3\})$	6
6	$\mathcal{O}(0; \{2^{13}, 3^4, 6^3\})$	42
6	$\mathcal{O}(0; \{2^9, 3^7, 6^3\})$	342
6	$\mathcal{O}(0; \{2^5, 3^{10}, 6^3\})$	2730
6	$\mathcal{O}(0; \{2, 3^{13}, 6^3\})$	21846
6	$\mathcal{O}(0; \{2^{14}, 3^2, 6^4\})$	22
6	$\mathcal{O}(0; \{2^{10}, 3^5, 6^4\})$	170
6	$\mathcal{O}(0; \{2^6, 3^8, 6^4\})$	1366
6	$\mathcal{O}(0; \{2^2, 3^{11}, 6^4\})$	10922
6	$\mathcal{O}(0; \{2^{15}, 6^5\})$	10
6	$\mathcal{O}(0; \{2^{11}, 3^3, 6^5\})$	86
6	$\mathcal{O}(0; \{2^7, 3^6, 6^5\})$	682
6	$\mathcal{O}(0; \{2^3, 3^9, 6^5\})$	5462
6	$\mathcal{O}(0; \{2^{12}, 3, 6^6\})$	42
6	$\mathcal{O}(0; \{2^8, 3^4, 6^6\})$	342
6	$\mathcal{O}(0; \{2^4, 3^7, 6^6\})$	2730
6	$\mathcal{O}(0; \{3^{10}, 6^6\})$	21846
6	$\mathcal{O}(0; \{2^9, 3^2, 6^7\})$	170
6	$\mathcal{O}(0; \{2^5, 3^5, 6^7\})$	1366
6	$\mathcal{O}(0; \{2, 3^8, 6^7\})$	10922
6	$\mathcal{O}(0; \{2^{10}, 6^8\})$	86
6	$\mathcal{O}(0; \{2^6, 3^3, 6^8\})$	682

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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	$\mathcal{O}(0; \{2^2, 3^6, 6^8\})$	5462
6	$\mathcal{O}(0; \{2^7, 3, 6^9\})$	342
6	$\mathcal{O}(0; \{2^3, 3^4, 6^9\})$	2730
6	$\mathcal{O}(0; \{2^4, 3^2, 6^{10}\})$	1366
6	$\mathcal{O}(0; \{3^5, 6^{10}\})$	10922
6	$\mathcal{O}(0; \{2^5, 6^{11}\})$	682
6	$\mathcal{O}(0; \{2, 3^3, 6^{11}\})$	5462
6	$\mathcal{O}(0; \{2^2, 3, 6^{12}\})$	2730
6	$\mathcal{O}(0; \{6^{14}\})$	5462
7	$\mathcal{O}(3; \{7^5\})$	130590390
7	$\mathcal{O}(0; \{7^{12}\})$	310968906
8	$\mathcal{O}(3; \{2^3, 8^2\})$	1048576
8	$\mathcal{O}(3; \{4^2, 8^2\})$	4194304
8	$\mathcal{O}(2; \{2^7, 8^2\})$	16384
8	$\mathcal{O}(2; \{2^4, 4^2, 8^2\})$	65536
8	$\mathcal{O}(2; \{2, 4^4, 8^2\})$	262144
8	$\mathcal{O}(2; \{2^2, 4, 8^4\})$	524288
8	$\mathcal{O}(2; \{8^6\})$	4194304
8	$\mathcal{O}(1; \{2^{11}, 8^2\})$	256
8	$\mathcal{O}(1; \{2^8, 4^2, 8^2\})$	1024
8	$\mathcal{O}(1; \{2^5, 4^4, 8^2\})$	4096
8	$\mathcal{O}(1; \{2^2, 4^6, 8^2\})$	16384
8	$\mathcal{O}(1; \{2^6, 4, 8^4\})$	8192
8	$\mathcal{O}(1; \{2^3, 4^3, 8^4\})$	32768
8	$\mathcal{O}(1; \{4^5, 8^4\})$	131072
8	$\mathcal{O}(1; \{2^4, 8^6\})$	65536
8	$\mathcal{O}(1; \{2, 4^2, 8^6\})$	262144
8	$\mathcal{O}(0; \{2^{15}, 8^2\})$	4
8	$\mathcal{O}(0; \{2^{12}, 4^2, 8^2\})$	16
8	$\mathcal{O}(0; \{2^9, 4^4, 8^2\})$	64
8	$\mathcal{O}(0; \{2^6, 4^6, 8^2\})$	256
8	$\mathcal{O}(0; \{2^3, 4^8, 8^2\})$	1024
8	$\mathcal{O}(0; \{4^{10}, 8^2\})$	4096
8	$\mathcal{O}(0; \{2^{10}, 4, 8^4\})$	128
8	$\mathcal{O}(0; \{2^7, 4^3, 8^4\})$	512
8	$\mathcal{O}(0; \{2^4, 4^5, 8^4\})$	2048
8	$\mathcal{O}(0; \{2, 4^7, 8^4\})$	8192
8	$\mathcal{O}(0; \{2^8, 8^6\})$	1024
8	$\mathcal{O}(0; \{2^5, 4^2, 8^6\})$	4096
8	$\mathcal{O}(0; \{2^2, 4^4, 8^6\})$	16384
8	$\mathcal{O}(0; \{2^3, 4, 8^8\})$	32768
8	$\mathcal{O}(0; \{4^3, 8^8\})$	131072
8	$\mathcal{O}(0; \{2, 8^{10}\})$	262144

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
9	$\mathcal{O}(3; \{3, 9^2\})$	6377292
9	$\mathcal{O}(2; \{3^4, 9^2\})$	629856
9	$\mathcal{O}(2; \{9^5\})$	5314410
9	$\mathcal{O}(1; \{3^7, 9^2\})$	62208
9	$\mathcal{O}(1; \{3^3, 9^5\})$	524880
9	$\mathcal{O}(0; \{3^{10}, 9^2\})$	6144
9	$\mathcal{O}(0; \{3^6, 9^5\})$	51840
9	$\mathcal{O}(0; \{3^2, 9^8\})$	752328
10	$\mathcal{O}(3; \{10^2\})$	4000000
10	$\mathcal{O}(2; \{2, 5^3, 10\})$	520000
10	$\mathcal{O}(2; \{2^4, 10^2\})$	40000
10	$\mathcal{O}(1; \{2^2, 5^6\})$	82000
10	$\mathcal{O}(1; \{2^5, 5^3, 10\})$	5200
10	$\mathcal{O}(1; \{2^8, 10^2\})$	400
10	$\mathcal{O}(1; \{5^5, 10^2\})$	327600
10	$\mathcal{O}(1; \{2^3, 5^2, 10^3\})$	20400
10	$\mathcal{O}(1; \{2, 5, 10^5\})$	82000
10	$\mathcal{O}(0; \{2^6, 5^6\})$	820
10	$\mathcal{O}(0; \{2^9, 5^3, 10\})$	52
10	$\mathcal{O}(0; \{2, 5^8, 10\})$	52428
10	$\mathcal{O}(0; \{2^{12}, 10^2\})$	4
10	$\mathcal{O}(0; \{2^4, 5^5, 10^2\})$	3276
10	$\mathcal{O}(0; \{2^7, 5^2, 10^3\})$	204
10	$\mathcal{O}(0; \{2^2, 5^4, 10^4\})$	13108
10	$\mathcal{O}(0; \{2^5, 5, 10^5\})$	820
10	$\mathcal{O}(0; \{5^3, 10^6\})$	52428
10	$\mathcal{O}(0; \{2^3, 10^7\})$	3276
11	$\mathcal{O}(0; \{11^8\})$	9090910
12	$\mathcal{O}(2; \{3^2, 4^2\})$	82944
12	$\mathcal{O}(2; \{2, 3, 4, 12\})$	82944
12	$\mathcal{O}(2; \{2^2, 12^2\})$	82944
12	$\mathcal{O}(1; \{2^4, 3^2, 4^2\})$	576
12	$\mathcal{O}(1; \{3^5, 4^2\})$	2880
12	$\mathcal{O}(1; \{2, 3^2, 4^4\})$	2304
12	$\mathcal{O}(1; \{2, 3^3, 4^2, 6\})$	1728
12	$\mathcal{O}(1; \{2^2, 3, 4^2, 6^2\})$	576
12	$\mathcal{O}(1; \{4^2, 6^4\})$	1728
12	$\mathcal{O}(1; \{2^5, 3, 4, 12\})$	576
12	$\mathcal{O}(1; \{2, 3^4, 4, 12\})$	2880
12	$\mathcal{O}(1; \{2^2, 3, 4^3, 12\})$	2304
12	$\mathcal{O}(1; \{2^2, 3^2, 4, 6, 12\})$	1728
12	$\mathcal{O}(1; \{2^3, 4, 6^2, 12\})$	576
12	$\mathcal{O}(1; \{4^3, 6^2, 12\})$	2304

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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	$\mathcal{O}(1; \{3, 4, 6^3, 12\})$	2880
12	$\mathcal{O}(1; \{2^6, 12^2\})$	576
12	$\mathcal{O}(1; \{2^2, 3^3, 12^2\})$	2880
12	$\mathcal{O}(1; \{2^3, 4^2, 12^2\})$	2304
12	$\mathcal{O}(1; \{4^4, 12^2\})$	9216
12	$\mathcal{O}(1; \{2^3, 3, 6, 12^2\})$	1728
12	$\mathcal{O}(1; \{3, 4^2, 6, 12^2\})$	6912
12	$\mathcal{O}(1; \{3^2, 6^2, 12^2\})$	6336
12	$\mathcal{O}(1; \{2, 6^3, 12^2\})$	2880
12	$\mathcal{O}(1; \{3^2, 4, 12^3\})$	11520
12	$\mathcal{O}(1; \{2, 4, 6, 12^3\})$	6912
12	$\mathcal{O}(1; \{2, 3, 12^4\})$	11520
12	$\mathcal{O}(0; \{2^8, 3^2, 4^2\})$	4
12	$\mathcal{O}(0; \{2^4, 3^5, 4^2\})$	20
12	$\mathcal{O}(0; \{3^8, 4^2\})$	172
12	$\mathcal{O}(0; \{2^5, 3^2, 4^4\})$	16
12	$\mathcal{O}(0; \{2, 3^5, 4^4\})$	80
12	$\mathcal{O}(0; \{2^2, 3^2, 4^6\})$	64
12	$\mathcal{O}(0; \{2^5, 3^3, 4^2, 6\})$	12
12	$\mathcal{O}(0; \{2, 3^6, 4^2, 6\})$	84
12	$\mathcal{O}(0; \{2^2, 3^3, 4^4, 6\})$	48
12	$\mathcal{O}(0; \{2^6, 3, 4^2, 6^2\})$	4
12	$\mathcal{O}(0; \{2^2, 3^4, 4^2, 6^2\})$	44
12	$\mathcal{O}(0; \{2^3, 3, 4^4, 6^2\})$	16
12	$\mathcal{O}(0; \{3, 4^6, 6^2\})$	64
12	$\mathcal{O}(0; \{2^3, 3^2, 4^2, 6^3\})$	20
12	$\mathcal{O}(0; \{3^2, 4^4, 6^3\})$	80
12	$\mathcal{O}(0; \{2^4, 4^2, 6^4\})$	12
12	$\mathcal{O}(0; \{3^3, 4^2, 6^4\})$	84
12	$\mathcal{O}(0; \{2, 4^4, 6^4\})$	48
12	$\mathcal{O}(0; \{2, 3, 4^2, 6^5\})$	44
12	$\mathcal{O}(0; \{2^9, 3, 4, 12\})$	4
12	$\mathcal{O}(0; \{2^5, 3^4, 4, 12\})$	20
12	$\mathcal{O}(0; \{2, 3^7, 4, 12\})$	172
12	$\mathcal{O}(0; \{2^6, 3, 4^3, 12\})$	16
12	$\mathcal{O}(0; \{2^2, 3^4, 4^3, 12\})$	80
12	$\mathcal{O}(0; \{2^3, 3, 4^5, 12\})$	64
12	$\mathcal{O}(0; \{3, 4^7, 12\})$	256
12	$\mathcal{O}(0; \{2^6, 3^2, 4, 6, 12\})$	12
12	$\mathcal{O}(0; \{2^2, 3^5, 4, 6, 12\})$	84
12	$\mathcal{O}(0; \{2^3, 3^2, 4^3, 6, 12\})$	48
12	$\mathcal{O}(0; \{3^2, 4^5, 6, 12\})$	192
12	$\mathcal{O}(0; \{2^7, 4, 6^2, 12\})$	4

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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	$\mathcal{O}(0; \{2^3, 3^3, 4, 6^2, 12\})$	44
12	$\mathcal{O}(0; \{2^4, 4^3, 6^2, 12\})$	16
12	$\mathcal{O}(0; \{3^3, 4^3, 6^2, 12\})$	176
12	$\mathcal{O}(0; \{2, 4^5, 6^2, 12\})$	64
12	$\mathcal{O}(0; \{2^4, 3, 4, 6^3, 12\})$	20
12	$\mathcal{O}(0; \{3^4, 4, 6^3, 12\})$	172
12	$\mathcal{O}(0; \{2, 3, 4^3, 6^3, 12\})$	80
12	$\mathcal{O}(0; \{2, 3^2, 4, 6^4, 12\})$	84
12	$\mathcal{O}(0; \{2^2, 4, 6^5, 12\})$	44
12	$\mathcal{O}(0; \{2^{10}, 12^2\})$	4
12	$\mathcal{O}(0; \{2^6, 3^3, 12^2\})$	20
12	$\mathcal{O}(0; \{2^2, 3^6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^7, 4^2, 12^2\})$	16
12	$\mathcal{O}(0; \{2^3, 3^3, 4^2, 12^2\})$	80
12	$\mathcal{O}(0; \{2^4, 4^4, 12^2\})$	64
12	$\mathcal{O}(0; \{3^3, 4^4, 12^2\})$	320
12	$\mathcal{O}(0; \{2, 4^6, 12^2\})$	256
12	$\mathcal{O}(0; \{2^7, 3, 6, 12^2\})$	12
12	$\mathcal{O}(0; \{2^3, 3^4, 6, 12^2\})$	84
12	$\mathcal{O}(0; \{2^4, 3, 4^2, 6, 12^2\})$	48
12	$\mathcal{O}(0; \{3^4, 4^2, 6, 12^2\})$	336
12	$\mathcal{O}(0; \{2, 3, 4^4, 6, 12^2\})$	192
12	$\mathcal{O}(0; \{2^4, 3^2, 6^2, 12^2\})$	44
12	$\mathcal{O}(0; \{3^5, 6^2, 12^2\})$	340
12	$\mathcal{O}(0; \{2, 3^2, 4^2, 6^2, 12^2\})$	176
12	$\mathcal{O}(0; \{2^5, 6^3, 12^2\})$	20
12	$\mathcal{O}(0; \{2, 3^3, 6^3, 12^2\})$	172
12	$\mathcal{O}(0; \{2^2, 4^2, 6^3, 12^2\})$	80
12	$\mathcal{O}(0; \{2^2, 3, 6^4, 12^2\})$	84
12	$\mathcal{O}(0; \{6^6, 12^2\})$	172
12	$\mathcal{O}(0; \{2^4, 3^2, 4, 12^3\})$	80
12	$\mathcal{O}(0; \{3^5, 4, 12^3\})$	688
12	$\mathcal{O}(0; \{2, 3^2, 4^3, 12^3\})$	320
12	$\mathcal{O}(0; \{2^5, 4, 6, 12^3\})$	48
12	$\mathcal{O}(0; \{2, 3^3, 4, 6, 12^3\})$	336
12	$\mathcal{O}(0; \{2^2, 4^3, 6, 12^3\})$	192
12	$\mathcal{O}(0; \{2^2, 3, 4, 6^2, 12^3\})$	176
12	$\mathcal{O}(0; \{4, 6^4, 12^3\})$	336
12	$\mathcal{O}(0; \{2^5, 3, 12^4\})$	80
12	$\mathcal{O}(0; \{2, 3^4, 12^4\})$	688
12	$\mathcal{O}(0; \{2^2, 3, 4^2, 12^4\})$	320
12	$\mathcal{O}(0; \{2^2, 3^2, 6, 12^4\})$	336
12	$\mathcal{O}(0; \{2^3, 6^2, 12^4\})$	176

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
12	$\mathcal{O}(0; \{4^2, 6^2, 12^4\})$	704
12	$\mathcal{O}(0; \{3, 6^3, 12^4\})$	688
12	$\mathcal{O}(0; \{2^3, 4, 12^5\})$	320
12	$\mathcal{O}(0; \{4^3, 12^5\})$	1280
12	$\mathcal{O}(0; \{3, 4, 6, 12^5\})$	1344
12	$\mathcal{O}(0; \{3^2, 12^6\})$	2752
12	$\mathcal{O}(0; \{2, 6, 12^6\})$	1344
13	$\mathcal{O}(0; \{13^7\})$	2756292
14	$\mathcal{O}(1; \{2^3, 7^2, 14\})$	5880
14	$\mathcal{O}(1; \{2, 7, 14^3\})$	36456
14	$\mathcal{O}(0; \{2^2, 7^6\})$	6666
14	$\mathcal{O}(0; \{2^7, 7^2, 14\})$	30
14	$\mathcal{O}(0; \{7^5, 14^2\})$	39990
14	$\mathcal{O}(0; \{2^5, 7, 14^3\})$	186
14	$\mathcal{O}(0; \{2^3, 14^5\})$	1110
15	$\mathcal{O}(2; \{15^2\})$	405000
15	$\mathcal{O}(1; \{3^2, 5^2, 15\})$	5400
15	$\mathcal{O}(1; \{3^3, 15^2\})$	9000
15	$\mathcal{O}(0; \{3^4, 5^4\})$	312
15	$\mathcal{O}(0; \{3^5, 5^2, 15\})$	264
15	$\mathcal{O}(0; \{3^6, 15^2\})$	344
15	$\mathcal{O}(0; \{5^5, 15^2\})$	6552
15	$\mathcal{O}(0; \{3, 5^3, 15^3\})$	4920
15	$\mathcal{O}(0; \{3^2, 5, 15^4\})$	4488
16	$\mathcal{O}(1; \{2^2, 4, 16^2\})$	4096
16	$\mathcal{O}(1; \{8^2, 16^2\})$	32768
16	$\mathcal{O}(0; \{2^6, 4, 16^2\})$	16
16	$\mathcal{O}(0; \{2^3, 4^3, 16^2\})$	64
16	$\mathcal{O}(0; \{4^5, 16^2\})$	256
16	$\mathcal{O}(0; \{2^4, 8^2, 16^2\})$	128
16	$\mathcal{O}(0; \{2, 4^2, 8^2, 16^2\})$	512
16	$\mathcal{O}(0; \{2^2, 8, 16^4\})$	2048
16	$\mathcal{O}(0; \{16^6\})$	32768
18	$\mathcal{O}(1; \{2, 9^2, 18\})$	5832
18	$\mathcal{O}(1; \{3^2, 18^2\})$	7776
18	$\mathcal{O}(1; \{2, 6, 18^2\})$	3888
18	$\mathcal{O}(0; \{2^2, 3, 9^4\})$	324
18	$\mathcal{O}(0; \{6^2, 9^4\})$	648
18	$\mathcal{O}(0; \{2^5, 9^2, 18\})$	18
18	$\mathcal{O}(0; \{2, 3^3, 9^2, 18\})$	144
18	$\mathcal{O}(0; \{2^2, 3, 6, 9^2, 18\})$	72
18	$\mathcal{O}(0; \{6^3, 9^2, 18\})$	144
18	$\mathcal{O}(0; \{2^4, 3^2, 18^2\})$	24

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Table 10 – continued from previous page

Order of \mathbb{Z}_ℓ	Orbifold	$\text{Epi}_{\mathcal{O}}(\pi_0(\mathcal{O}), \mathbb{Z}_\ell)$
18	$\mathcal{O}(0; \{3^5, 18^2\})$	192
18	$\mathcal{O}(0; \{2^5, 6, 18^2\})$	12
18	$\mathcal{O}(0; \{2, 3^3, 6, 18^2\})$	96
18	$\mathcal{O}(0; \{2^2, 3, 6^2, 18^2\})$	48
18	$\mathcal{O}(0; \{6^4, 18^2\})$	96
18	$\mathcal{O}(0; \{3, 9^3, 18^2\})$	1620
18	$\mathcal{O}(0; \{2^3, 9, 18^3\})$	162
18	$\mathcal{O}(0; \{3, 6, 9, 18^3\})$	648
18	$\mathcal{O}(0; \{2, 18^5\})$	810
20	$\mathcal{O}(1; \{2^2, 20^2\})$	3200
20	$\mathcal{O}(0; \{2^2, 4^2, 5^3\})$	24
20	$\mathcal{O}(0; \{4^2, 5^2, 10^2\})$	104
20	$\mathcal{O}(0; \{4, 5^4, 20\})$	408
20	$\mathcal{O}(0; \{2^3, 4, 5, 10, 20\})$	24
20	$\mathcal{O}(0; \{4^3, 5, 10, 20\})$	96
20	$\mathcal{O}(0; \{2, 4, 10^3, 20\})$	104
20	$\mathcal{O}(0; \{2^6, 20^2\})$	8
20	$\mathcal{O}(0; \{2^3, 4^2, 20^2\})$	32
20	$\mathcal{O}(0; \{4^4, 20^2\})$	128
20	$\mathcal{O}(0; \{2, 5^2, 10, 20^2\})$	408
20	$\mathcal{O}(0; \{2, 4, 5, 20^3\})$	416
21	$\mathcal{O}(1; \{7, 21^2\})$	26460
21	$\mathcal{O}(0; \{3^2, 7^4\})$	372
21	$\mathcal{O}(0; \{3^3, 7, 21^2\})$	300
21	$\mathcal{O}(0; \{21^5\})$	11100
22	$\mathcal{O}(0; \{2^2, 11^4\})$	910
22	$\mathcal{O}(0; \{11^3, 22^2\})$	9090
24	$\mathcal{O}(1; \{2, 24^2\})$	4608
24	$\mathcal{O}(0; \{3^4, 8^2\})$	24
24	$\mathcal{O}(0; \{2, 3^2, 6, 8^2\})$	8
24	$\mathcal{O}(0; \{2^2, 6^2, 8^2\})$	8
24	$\mathcal{O}(0; \{6, 8^2, 12^2\})$	32
24	$\mathcal{O}(0; \{2, 3^2, 4, 8, 24\})$	16
24	$\mathcal{O}(0; \{2^2, 4, 6, 8, 24\})$	16
24	$\mathcal{O}(0; \{6, 8^3, 24\})$	128
24	$\mathcal{O}(0; \{2^2, 3, 8, 12, 24\})$	16
24	$\mathcal{O}(0; \{6^2, 8, 12, 24\})$	48
24	$\mathcal{O}(0; \{4, 8, 12^2, 24\})$	64
24	$\mathcal{O}(0; \{2^5, 24^2\})$	8
24	$\mathcal{O}(0; \{2, 3^3, 24^2\})$	40
24	$\mathcal{O}(0; \{2^2, 4^2, 24^2\})$	32
24	$\mathcal{O}(0; \{2^2, 3, 6, 24^2\})$	24
24	$\mathcal{O}(0; \{6^3, 24^2\})$	40

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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	$\mathcal{O}(0; \{4, 8^2, 24^2\})$	256
24	$\mathcal{O}(0; \{4, 6, 12, 24^2\})$	96
24	$\mathcal{O}(0; \{3, 12^2, 24^2\})$	160
24	$\mathcal{O}(0; \{3, 8, 24^3\})$	384
25	$\mathcal{O}(0; \{5^3, 25^2\})$	1280
26	$\mathcal{O}(0; \{2, 13^3, 26\})$	1596
27	$\mathcal{O}(0; \{3^2, 9, 27^2\})$	432
28	$\mathcal{O}(0; \{4^2, 7^3\})$	60
28	$\mathcal{O}(0; \{2^3, 4, 7, 28\})$	12
28	$\mathcal{O}(0; \{4^3, 7, 28\})$	48
28	$\mathcal{O}(0; \{2, 4, 14^2, 28\})$	60
29	$\mathcal{O}(2; \emptyset)$	707280
30	$\mathcal{O}(1; \{30^2\})$	7200
30	$\mathcal{O}(0; \{2^2, 3^2, 5^2\})$	8
30	$\mathcal{O}(0; \{3, 5^2, 6^2\})$	8
30	$\mathcal{O}(0; \{3^2, 5, 10^2\})$	24
30	$\mathcal{O}(0; \{2, 3, 10, 15^2\})$	24
30	$\mathcal{O}(0; \{2^3, 3, 5, 30\})$	8
30	$\mathcal{O}(0; \{3^2, 5, 6, 30\})$	24
30	$\mathcal{O}(0; \{2, 5, 6^2, 30\})$	8
30	$\mathcal{O}(0; \{2, 3, 10^2, 30\})$	24
30	$\mathcal{O}(0; \{2^4, 30^2\})$	8
30	$\mathcal{O}(0; \{3^3, 30^2\})$	40
30	$\mathcal{O}(0; \{2, 3, 6, 30^2\})$	24
31	$\mathcal{O}(0; \{31^4\})$	26130
32	$\mathcal{O}(0; \{2^2, 8, 32^2\})$	64
32	$\mathcal{O}(0; \{16^2, 32^2\})$	1024
33	$\mathcal{O}(0; \{11^2, 33^2\})$	1820
35	$\mathcal{O}(0; \{7^2, 35^2\})$	744
36	$\mathcal{O}(0; \{9^2, 12^2\})$	48
36	$\mathcal{O}(0; \{2^2, 4, 9, 36\})$	12
36	$\mathcal{O}(0; \{6, 9, 12, 36\})$	48
36	$\mathcal{O}(0; \{4, 18^2, 36\})$	36
36	$\mathcal{O}(0; \{2^2, 3, 36^2\})$	24
36	$\mathcal{O}(0; \{6^2, 36^2\})$	48
36	$\mathcal{O}(0; \{4, 12, 36^2\})$	96
39	$\mathcal{O}(0; \{3, 13^2, 39\})$	264
40	$\mathcal{O}(0; \{5, 8^2, 10\})$	16
40	$\mathcal{O}(0; \{5^2, 8, 40\})$	48
40	$\mathcal{O}(0; \{2^3, 40^2\})$	16
40	$\mathcal{O}(0; \{4^2, 40^2\})$	64
42	$\mathcal{O}(0; \{6^2, 7^2\})$	12
42	$\mathcal{O}(0; \{3, 6, 14, 21\})$	12

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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	$\mathcal{O}(0; \{2, 21^2, 42\})$	60
42	$\mathcal{O}(0; \{2, 14, 42^2\})$	60
44	$\mathcal{O}(0; \{4^2, 11^2\})$	20
45	$\mathcal{O}(0; \{3^2, 45^2\})$	96
48	$\mathcal{O}(0; \{3^2, 16^2\})$	16
48	$\mathcal{O}(0; \{2, 4, 48^2\})$	32
58	$\mathcal{O}(1; \{2^2\})$	3360
60	$\mathcal{O}(0; \{2^2, 60^2\})$	16
61	$\mathcal{O}(0; \{61^3\})$	3540
62	$\mathcal{O}(0; \{2^2, 31^2\})$	30
62	$\mathcal{O}(0; \{31, 62^2\})$	870
63	$\mathcal{O}(0; \{21, 63^2\})$	360
64	$\mathcal{O}(0; \{16, 64^2\})$	256
65	$\mathcal{O}(0; \{13, 65^2\})$	528
66	$\mathcal{O}(0; \{11, 66^2\})$	180
70	$\mathcal{O}(0; \{7, 70^2\})$	120
72	$\mathcal{O}(0; \{8, 18, 72\})$	24
72	$\mathcal{O}(0; \{6, 72^2\})$	48
75	$\mathcal{O}(0; \{5, 75^2\})$	160
77	$\mathcal{O}(0; \{7, 11, 77\})$	60
78	$\mathcal{O}(0; \{6, 13, 78\})$	24
80	$\mathcal{O}(0; \{5, 16, 80\})$	32
80	$\mathcal{O}(0; \{4, 80^2\})$	64
84	$\mathcal{O}(0; \{4, 21, 84\})$	24
90	$\mathcal{O}(0; \{3, 90^2\})$	48
93	$\mathcal{O}(0; \{3, 31, 93\})$	60
120	$\mathcal{O}(0; \{2, 120^2\})$	32
122	$\mathcal{O}(0; \{2, 61, 122\})$	60