

D12 Lattice

1	2	2	2	2	1	1	1	2	1	1	2
1	2	2	1	2	2	1	2	1	1	2	1
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1	2	1	2	1	2	1	2	1	2	1	2
1	2	1	2	1	1	2	2	2	1	2	1
1	2	1	1	2	2	2	1	2	2	1	1
1	1	2	2	2	1	2	2	1	2	1	1
1	1	2	2	1	2	1	1	2	2	2	1
1	1	2	1	1	2	2	2	2	1	1	2
1	1	1	2	2	2	2	1	1	1	2	2
1	1	1	1	2	1	1	2	2	2	2	2
1	1	1	1	1	1	1	1	1	1	1	1

Group Order : 1961990553600

= <2, 22>, <3, 5>, <5, 2>, <7, 1>, <11, 1>

Kissing Number: 264

Theta Series:

1 + 264*q^6 + 7944*q^12 + 64416*q^18 + 253704*q^24 + 825264*q^30 + ...

Shortest Vectors

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- (1 -1 -1 0 0 1 0 1 0 0 0 -1),
- (1 -1 -1 1 0 0 0 0 1 0 -1 0),
- (1 -1 0 -1 0 0 1 0 0 0 1 -1),
- (1 -1 0 -1 0 1 0 0 -1 1 0 0),
- (1 -1 0 0 -1 0 0 1 -1 0 1 0),
- (1 -1 0 0 0 -1 1 -1 1 0 0 0),
- (1 -1 0 0 0 0 0 -1 0 1 -1 1),
- (1 -1 0 0 1 0 0 0 1 -1 0 -1),
- (1 -1 0 0 1 1 -1 0 0 0 -1 0),
- (1 -1 0 1 -1 -1 0 0 0 0 0 1),
- (1 -1 0 1 0 0 -1 1 0 -1 0 0),
- (1 -1 1 -1 1 0 0 -1 0 0 0 0),
- (1 -1 1 0 0 -1 0 0 0 -1 1 0),
- (1 -1 1 0 0 0 -1 0 -1 0 0 1),
- (1 0 -1 -1 -1 1 0 0 0 0 1 0),
- (1 0 -1 -1 0 0 1 1 -1 0 0 0),
- (1 0 -1 0 -1 0 0 -1 1 0 0 1),
- (1 0 -1 0 0 -1 1 0 0 0 -1 1),
- (1 0 -1 0 0 0 0 0 -1 1 1 -1),
- (1 0 -1 0 0 1 -1 0 1 -1 0 0),
- (1 0 -1 0 1 0 0 1 0 -1 -1 0),
- (1 0 -1 1 0 -1 0 -1 0 1 0 0),
- (1 0 -1 1 1 0 -1 0 0 0 0 -1),
- (1 0 0 -1 -1 0 0 1 0 1 0 -1),
- (1 0 0 -1 0 0 0 -1 1 -1 1 0),
- (1 0 0 -1 0 1 -1 -1 0 0 0 1),
- (1 0 0 -1 1 -1 1 0 0 -1 0 0),
- (1 0 0 -1 1 0 0 0 -1 0 -1 1),
- (1 0 0 0 -1 -1 0 0 1 1 -1 0),
- (1 0 0 0 -1 0 -1 0 0 -1 1 1),
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(1 1 -1 0 0 0 -1 -1 0 0 1 0),
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(0 1 -1 0 -1 1 -1 0 0 0 0 1),
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(011110001001),
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(001-10-11-10010),
(001-1000-1-1101),
(001-110000-11-1),
(001-111-10-1000),
(0010-1-100-1011),
(0010-10-10110-1),
(0010-11100-1-10),
(00100-10101-1-1),
(001000-11-1-110),
(001001111001),
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(001010-1-100-11),
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