$$\begin{pmatrix} 1 & & 1 & 1 & & 1 \\ & 1 & 1 & & 1 & 1 \\ & & 2 & & & \\ & & & 2 & & \\ & & & & 2 & \\ & & & & & 2 \end{pmatrix}$$

*Group : 46080
=<2, 10>, <3, 2>, <5, 1>

*iso: D6

*Kissing Number
60

*The Theta Series
1 + 60*q^4 + 252*q^8 + 544*q^12 + 1020*q^16 + 1560*q^20 + …

The Shortest Vectors:
(1 -1 0 -1 -1 0),
(1 -1 0 -1 1 0),
(1 -1 0 1 -1 0),
(1 -1 0 1 1 0),
(1 0 -1 -1 0 -1),
(1 0 -1 -1 0 1),
(1 0 -1 1 0 -1),
(1 0 -1 1 0 1),
(1 0 1 -1 0 -1),
(1 0 1 -1 0 1),
(1 0 1 1 0 -1),
(1 0 1 1 0 1),
(1 1 0 -1 -1 0),
(1 1 0 -1 1 0),
(1 1 0 1 -1 0),
(1 1 0 1 1 0),
(2 0 0 0 0 0),
(0 1 -1 0 -1 -1),
(0 1 -1 0 -1 1),
(0 1 -1 0 1 -1),
(0 1 -1 0 1 1),
(0 1 1 0 -1 -1),
(0 1 1 0 -1 1),
(0 1 1 0 1 -1),
(0 1 1 0 1 1),
(0 2 0 0 0 0),
(0 0 2 0 0 0),
(0 0 0 2 0 0),
(0 0 0 0 2 0),
(0 0 0 0 0 2)