```
1   1   2   3              0   0  -2   1
1   5  -2   4      (6,5,0)  1   0   3  -1     (0,-7,4)
0  -2   4  -3              0  -1  -4   3
0  -4   1  -4              0   4  -1   1


(-5,5)  -> (0,0000)        (4,-8)  -> (0,0000)
(-2,3)  -> (1,0001)        (2,-6)  -> (0,0001)
(-4,8)  -> (1,0002)        (4,-7)  -> (0,0002)
(-2,7)  -> (5,0010)        (7,-11) -> (0,0010)
(1,5)   -> (6,0011)
          ...
```