```
1   1   2   3
1   5  -2   4
0  -2   4  -3
0  -4   1  -4
```

(6,5,0)

```
1   0  -2   1
2   0   3  -1
0  -1  -4   3
0   4  -1   1
```

(0,-2,5)

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

```
(4,-8) -> (0,0000)
(2,-6) -> (0,0001)
(4,-7) -> (0,0002)
(7,-11)-> (0,0010)
(5,-9) -> (0,0011)
(7,-10)-> (0,0012)
(4,-9) -> (0,0020)
(2,-7) -> (0,0021)
     ...
```

A solution exists with value **5**