0	0	(0,0)
0	1	(1,1)
0	2	(3,3)
1	1	(1,1)
1	2	(3,3)
2	0	(0,0)
2	1	(1,1)
2	2	(3,3)
0	3	(3,3)
1	3	(3,3)
2	3	(3,3)
3		