

a_t^{i-1}	a_t^i	a_t^{i+1}	a_{t+1}^i
1	1	1	0
1	1	0	1
1	0	1	0
1	0	0	1
0	1	1	1
0	1	0	0
0	0	1	1
0	0	0	0