

State	A	\bar{A}	B	\bar{B}
0	0	1	0	0
1	0	1	1	0
2	0	0	1	0
3	1	0	1	0
4	1	0	0	0
5	1	0	0	1
6	0	0	0	1
7	0	1	0	1

