

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

