

a[1] a[0]	b[1] b[0]	eq
0 0	0 0	1
0 0	0 1	0
0 0	1 0	0
0 0	1 1	0
0 1	0 0	0
0 1	0 1	1
0 1	1 0	0
0 1	1 1	0
1 0	0 0	0
1 0	0 1	0
1 0	1 0	1
1 0	1 1	0
1 1	0 0	0
1 1	0 1	0
1 1	1 0	0
1 1	1 1	1