Case	A	B	S0	S1	G
1	0	0	0	0	0
2	1	0	0	0	0
3	0	1	0	0	0
4	1	1	0	0	1
5	0	0	0	1	0
6	1	0	0	1	1
7	0	1	0	1	1
8	1	1	0	1	0
9	0	0	1	0	0
10	1	1	1	0	1
11	0	1	1	0	1
12	1	0	1	0	1
13	0	0	1	1	1