

2:

A_1A_0 B_1B_0	00	01	11	10
00	1	1	1	1
01	0	1	1	1
11	0	0	1	0

A_1A_0 B_1B_0	00	01	11	10
00	0	1	1	0
01	1	0	0	1
11	1	0	0	1
10	0	1	1	0

$$A_0\bar{B}_0 + \bar{A}_0B_0$$

A_1A_0 B_1B_0	00	01	11	10
00	0	0	1	0
01	0	0	1	0
11	1	0	0	0
10	1	0	0	0

$$A_1\bar{B}_0\bar{B}_1 + A_1A_0\bar{B}_1 + \bar{A}_1B_0B_1 + \bar{A}_0A_1\bar{B}_0$$

3

to

0	0	1	1
---	---	---	---

$$\bar{B}_1 \bar{B}_0 + A_1 A_0 + A_0 \bar{B}_1 + A_1 \bar{B}_1 + A_1 \bar{B}_0$$

F