

$a_1$	$a_0$	$b_1$	$b_0$	$C_0$
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010
0	0	1	1	011
0	1	0	0	001
0	1	0	1	010
0	1	1	0	011
0	1	1	1	100
1	0	0	0	010
1	0	0	1	011
1	0	1	0	100
1	0	1	1	101
1	1	0	0	011
1	1	0	1	100
1	1	1	0	101
1	1	1	1	110

$C_0$

$b_1 b_0$	00	01	11	10
$a_1 a_0$				
00	0	1	1	0
01	1	0	0	1
11	1	0	0	1
10	0	1	1	0

$$\bar{a}_0 b_0 + a_0 \bar{b}_0$$



$C_1$

$a_1 a_0 \backslash b_1 b_0$	00	01	11	10
00	0	0	1	1
01	0	1	0	1
11	1	0	1	
10	1	1	0	0

$$\bar{a}_1 \bar{a}_0 b_1 + \bar{a}_1 b_1 \bar{b}_0 + a_1 \bar{b}_1 \bar{b}_0 + a_1 \bar{a}_0 b_1 + \bar{a}_1 \bar{a}_0 \bar{b}_1 b_0 + a_1 a_0 b_1 \bar{b}_0$$

$C_a$

$a_1 a_0 \backslash b_1 b_0$	00	01	11	10
00	0	0	0	0
01	0	0	1	0
11	0	1	1	1
10	0	0	1	1

$$a_1 b_1 + a_0 b_1 b_0 + a_0 a_1 b_0$$