

control

option

command

	$b_3 b_0$	$b_3 b_2$	b_0	b_1
$b_3 b_2$	00	01	11	10
00	0	0	1	1
01	1	1	0	1
11	1	1	1	1
10	1	1	1	1

$$\rightarrow b_2 b_1' + b_3 + b_2' b_1 + b_1 b_0'$$

$$b_3 + b_1 b_0' + b_2' b_0' + b_2' b_1 + b_2 b_1' b_0$$

	$b_3 b_0$	$b_3 b_2$	b_0	b_1
$b_3 b_2$	00	01	11	10
00	1	0	0	0
01	1	1	0	1
11	1	1	1	1
10	1	1	1	1

$$\rightarrow b_1' b_0' + b_2 b_1' + b_2' b_0' + b_3$$

$$b_3' b_0 + b_3' b_2 + b_2' b_1 \leftarrow$$

	$b_3 b_0$	$b_3 b_2$	b_0	b_1
$b_3 b_2$	00	01	11	10
00	1	0	1	1
01	0	1	0	1
11	1	1	1	1
10	1	1	1	1

	$b_3 b_0$	$b_3 b_2$	b_0	b_1
$b_3 b_2$	00	01	11	10
00	1	0	1	1
01	0	1	1	0
11	1	1	1	1
10	1	1	1	1

$$\rightarrow b_2' b_0' + b_2 b_0 + b_3 + b_2' b_1$$

$$b_3 b_1 + b_3 b_2 \leftarrow$$

	$b_3 b_0$	$b_3 b_2$	b_0	b_1
$b_3 b_2$	00	01	11	10
00	1	1	1	1
01	1	0	1	0
11	0	0	0	0
10	1	1	0	0

$$\rightarrow b_2' b_2' + b_3' b_1' b_0' + b_3' b_1 b_0 + b_2' b_1$$

	$b_3 b_0$	$b_3 b_2$	b_0	b_1
$b_3 b_2$	00	01	11	10
00	1	0	0	1
01	0	0	0	1
11	1	1	1	1
10	1	0	1	1

$$\rightarrow b_2' b_0' + b_1 b_0' + b_3 b_1 + b_3 b_2$$

	$b_3 b_0$	$b_3 b_2$	b_0	b_1
$b_3 b_2$	00	01	11	10
00	1	0	1	1
01	0	1	0	1
11	1	1	1	1
10	1	1	1	1

	$b_3 b_0$	$b_3 b_2$	b_0	b_1
$b_3 b_2$	00	01	11	10
00	1	1	1	0
01	1	1	1	1
11	0	0	0	0
10	1	1	0	0

	$b_3 b_0$	$b_3 b_2$	b_0	b_1
$b_3 b_2$	00	01	11	10
00	0	0	0	0
01	0	0	0	0
11	1	1	1	1
10	0	0	1	1