

B2	B1	B0	I	B2*	B1*	B0*	V
0	0	0	0	0	0	1	0
0	0	0	1	0	0	0	0
0	0	1	0	0	0	0	0
0	0	1	1	0	1	0	0
0	1	0	0	0	0	0	0
0	1	0	1	0	1	1	0
0	1	1	0	1	0	0	0
0	1	1	1	0	0	0	0
1	0	0	0	0	1	0	1
1	0	0	1	0	0	0	1

For U

B2 B1	00	01	11	10
B0 0	0	0	0	1
B0 1	0	0	0	1
B0 1	0	0	0	0
B0 0	0	0	0	0

$$U = B2 \cdot \overline{B1} \cdot \overline{B0}$$

1) ~~You need~~

For B_0^*

$B_2 B_1$ $B_0 I$	00	01	11	10
00	1	0	0	0
01	0	1	0	0
11	0	0	0	0
10	0	0	0	0

$$B_0^* = \overline{B_2} \cdot \overline{B_1} \cdot \overline{B_0} \cdot \overline{I} + \overline{B_2} \cdot B_1 \cdot \overline{B_0} \cdot I$$

For B_2^*

$B_2 B_1$ $B_0 I$	00	01	11	10
00	0	0	0	0
01	0	0	0	0
11	0	0	0	0
10	0	1	0	0

$$B_2^* = \overline{B_2} \cdot B_1 \cdot B_0 \cdot \overline{I}$$

 B_1^*

$B_2 B_1$ $B_0 I$	00	01	11	10
00				1
01		1		
11	1			
10				

$$B_1^* = B_2 \cdot \overline{B_1} \cdot \overline{B_0} \cdot \overline{I}$$

$$B_2 \cdot B_1 \cdot \overline{B_0} \cdot I + \overline{B_2} \cdot \overline{B_1} \cdot B_0 \cdot I$$