

	$V_3$	$V_2$	$V_1$	$V_0$		$X_0$	1	2	3	4	5	6
0	0	0	0	0	0							1
1	0	0	0	1	1	1	1	1	1	1		1
2	0	0	1	0	2			1			1	
3	0	0	1	1	3					1	1	
4	0	1	0	0	4	1			1	1		
5	0	1	0	1	5		1			1		
6	0	1	1	0	6		1					
7	0	1	1	1	7				1	1	1	1
8	1	0	0	0	8							
9	1	0	0	1	9				1	1		
10	1	0	1	0	10							1
11	1	0	1	1	11	1	1	1	1			1
12	1	1	0	0	12			1			1	
13	1	1	0	1	13					1	1	
14	1	1	1	0	14	1			1	1		
15	1	1	1	1	15		1			1		

	$V_3$	$V_2$	$V_1$	$V_0$	$Z$
0	0	0	0	0	0
1	0	0	0	1	0
2	0	0	1	0	1
3	0	0	1	1	1
4	0	1	0	0	1
5	0	1	0	1	1
6	0	1	1	0	1
7	0	1	1	1	1
8	1	0	0	0	1
9	1	0	0	1	1
10	1	0	1	0	1
11	1	0	1	1	1
12	1	1	0	0	1
13	1	1	0	1	1
14	1	1	1	0	1
15	1	1	1	1	1

$Z$	$V_3$	$V_2$	$V_1$	$V_0$
00	0	0	0	0
01	0	0	0	0
11	1	1	1	1
10	0	0	1	1

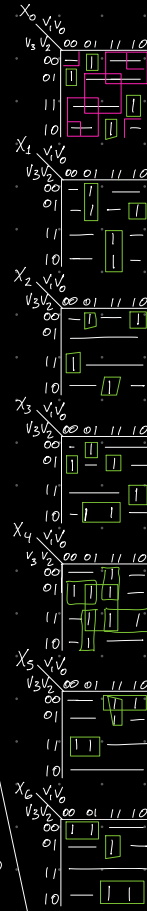
$$Z = V_3 V_1 + V_3 V_2$$

$Z$	$X_0$	$X_1$	$X_2$	$X_3$	$X_4$	$X_5$	$X_6$
0	0	0	0	0	0	0	1
1	1	1	1	1	0	0	1

$$X_{4,5} = GND$$

$$X_6 = VCC$$

$$X_{0,1,2,3} = Z$$



$$\overline{V_3} \overline{V_2} \overline{V_1} \overline{V_0} + \overline{V_3} \overline{V_2} \overline{V_1} V_0 + \overline{V_3} \overline{V_2} V_1 \overline{V_0} + \overline{V_3} \overline{V_2} V_1 V_0$$

$$\overline{V_3} \overline{V_2} \overline{V_1} \overline{V_0} + \overline{V_3} \overline{V_2} \overline{V_1} V_0 + \overline{V_3} \overline{V_2} V_1 \overline{V_0} + \overline{V_3} \overline{V_2} V_1 V_0$$

$$\overline{V_3} \overline{V_2} \overline{V_1} \overline{V_0} + \overline{V_3} \overline{V_2} \overline{V_1} V_0 + \overline{V_3} \overline{V_2} V_1 \overline{V_0} + \overline{V_3} \overline{V_2} V_1 V_0$$

$$\overline{V_3} \overline{V_2} \overline{V_1} \overline{V_0} + \overline{V_3} \overline{V_2} \overline{V_1} V_0 + \overline{V_3} \overline{V_2} V_1 \overline{V_0} + \overline{V_3} \overline{V_2} V_1 V_0$$

$$\overline{V_3} \overline{V_2} \overline{V_1} \overline{V_0} + \overline{V_3} \overline{V_2} \overline{V_1} V_0 + \overline{V_3} \overline{V_2} V_1 \overline{V_0} + \overline{V_3} \overline{V_2} V_1 V_0$$

$$\overline{V_3} \overline{V_2} \overline{V_1} \overline{V_0} + \overline{V_3} \overline{V_2} \overline{V_1} V_0 + \overline{V_3} \overline{V_2} V_1 \overline{V_0} + \overline{V_3} \overline{V_2} V_1 V_0$$

$$\overline{V_3} \overline{V_2} \overline{V_1} \overline{V_0} + \overline{V_3} \overline{V_2} \overline{V_1} V_0 + \overline{V_3} \overline{V_2} V_1 \overline{V_0} + \overline{V_3} \overline{V_2} V_1 V_0$$