

$x_0, x_1, x_2 \quad x_0 = 0$

000, 00 01 11 10

				111

x_2	x_1	x_0	Q_1	Q_0
0	0	1	0	0
0	1	0	0	1
0	1	1	1	1

Code

$x_0 = 1$

00 01 11 10

00	1			
01	1			
11	1			111
10	1			

DO

22a + 22a

$x_0 = 0$

$x_0 x_1 x_2$	00	01	11	10
00				1
01				1
11				1
10				1

$x_0 = 1$

$x_0 x_1 x_2$	00	01	11	10

D

$x_0 x_1 x_2$	00	01	11	10
00				
01				
11				
10				

Output

$x_0 x_1 x_2$	00	01	11	10
				0
				0
				1
				0