

$X_0 = 0$

$X_0 X_1 X_2$	00	01	11	10
00				
01				
11				
10				1

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

$X_0 = 1$

$X_0 X_1 X_2$	00	01	11	10
00	1			
01				
11				1
10				