

mQ_1	$Q_2 Q_1$		$A Q_3$	
	00	01	11	10
00	1 1	1	0	0
01	x	1	1	1
11	0	0	1	1
10	0 0	0	1	1

✓ $\bar{0}0_3$

$$mQ_1 = (\bar{A} \bar{Q}_2 + Q_3 Q_1 + A Q_2 + \cancel{\bar{Q}_1 A \bar{Q}_3}) B = 0$$

Q_3

B		Q_3	Q_2	Q_1
0	0	0	0	0
1	0	0	0	1
2	0	0	1	1
3	0	0	1	0
4	0	1	1	0
5	0	1	1	1
6	1	0	0	1
7	1	0	0	0

$B Q_3$	$Q_2 Q_1$		$A Q_3$	
	00	01	11	10
00	0	0	0	0
01	1	1	1	1
11				
10				