



$X$	$q_1, q_0$	Dec	$A$	$B$	$q_1^+, q_0^+$	Dec
0	0 0	0		1	0 1	1
0	0 1	1			0 0	0
0	1 0	2			0 0	0
0	1 1	3	1	1	1 0	2
1	0 0	0		1	0 1	1
1	0 1	1	1	1	1 1	3
1	1 0	2	1	1	1 1	3
1	1 1	3	1	0	1 0	2

$$A = q_1 q_0 + X(q_1 + q_0)$$

$$B = \bar{q}_1 \bar{q}_0 + X(\bar{q}_1 + \bar{q}_0)$$

