



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	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		1	0	2

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

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

