X	q_2	q_1	q_0	C	B	A	q_2^+	q_1^+	q_0^+	Dec
0	0	0	0	1	1	1	1	1	1	7
0	0	0	1			1	0	0	0	0
0	0	1	0	1		1	0	0	1	1
0	0	1	1			1	0	1	0	2
0	1	0	0	1	1	1	0	1	1	3
0	1	0	1			1	1	0	0	4
0	1	1	0		1	1	1	0	1	5
0	1	1	1			1	1	1	0	6
1	0	0	0			1	0	0	1	1
1	0	0	1		1	1	0	1	0	2
1	0	1	0			1	0	1	1	3
1	0	1	1	1	1	1	1	0	0	4
1	1	0	0			1	1	0	1	5
1	1	0	1		1	1	1	1	0	6
1	1	1	0			1	1	1	1	7
1	1	1	1	1	1	1	0	0	0	0

$A = 1$

$B = X q_0 + \overline{X}\,\overline{q_0} = \overline{X \oplus q_0}$

$C = X q_1 q_0 + \overline{X}\,\overline{q_1}\,\overline{q_0}$

x = 0
x = 1