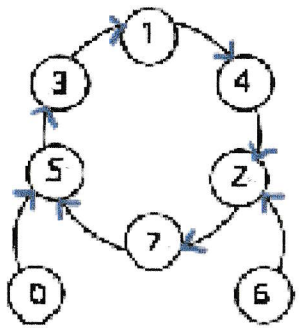
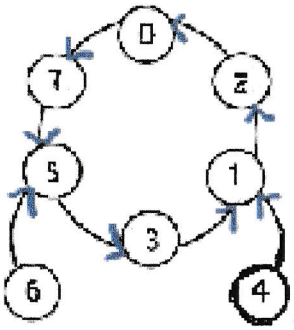
INSTITUTO FEDERAL
Ceará

CONTADORES SÍNCRONOS

C = '0'



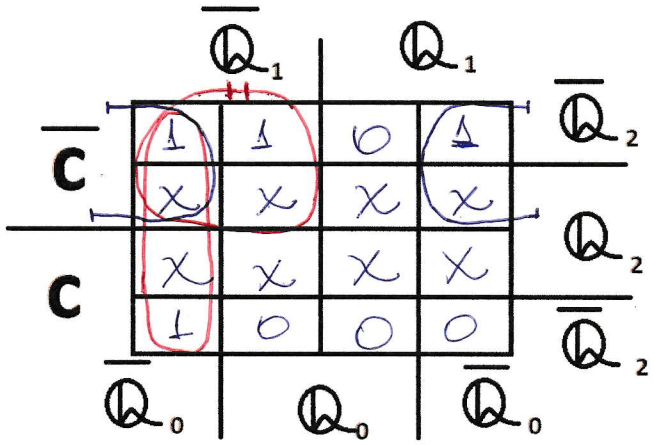
C = '1'



Transição	J	K
0 → 0	0	X
0 → 1	1	X
1 → 0	X	1
1 → 1	X	0

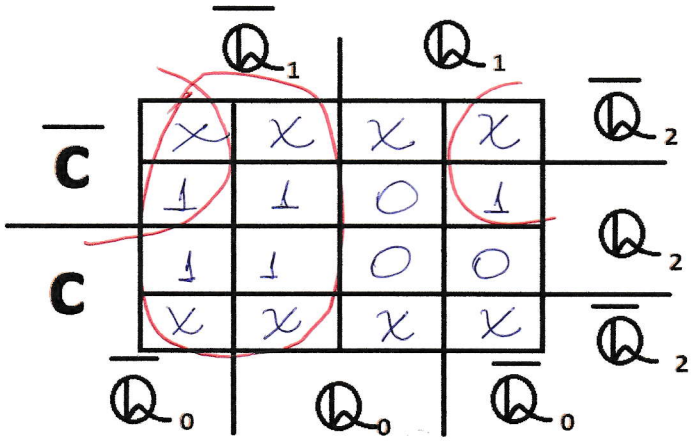
K0	Q2	Q1	Q0	J2	K2	J1	K1	J0	K0
0	0	0	0	1	X	0	X	1	X
0	0	0	1	1	X	0	X	X	1
0	0	1	0	1	X	X	0	1	X
0	0	1	1	0	X	X	1	X	0
0	1	0	0	X	1	1	X	0	X
0	1	0	1	X	1	1	X	X	0
0	1	1	0	X	1	X	0	0	X
0	1	1	1	X	0	X	1	X	0
1	0	0	0	1	X	1	X	1	X
1	0	0	1	0	X	1	X	X	1
1	0	1	0	0	X	X	1	0	X
1	0	1	1	0	X	X	1	X	0
1	1	0	0	X	1	0	X	1	X
1	1	0	1	X	1	1	X	X	0
1	1	1	0	X	0	X	1	1	X
1	1	1	1	X	0	X	1	X	0

J_{Q_2}



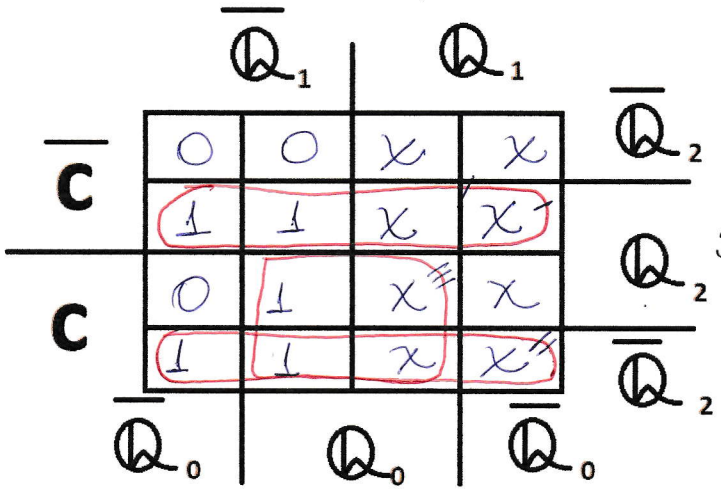
$S = \overline{C}\,\overline{Q_1} + \overline{C}\,\overline{Q_0} + \overline{Q_1}\,\overline{Q_0}$

K_2



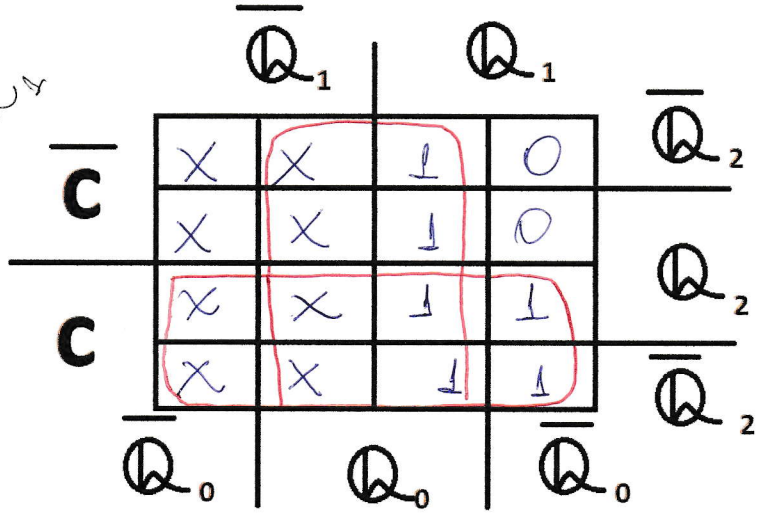
$S = \overline{C}\,\overline{Q_0} + \overline{Q_1}$

J_1

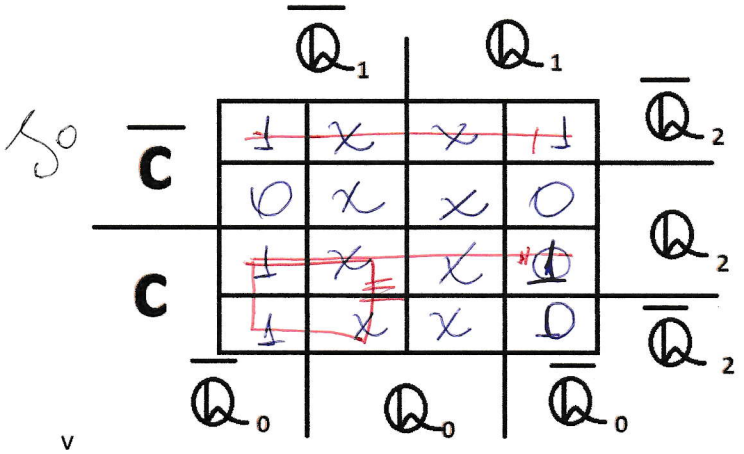


$S = \overline{C}\,Q_2 + C\,\overline{Q_2} + C\,Q_0$

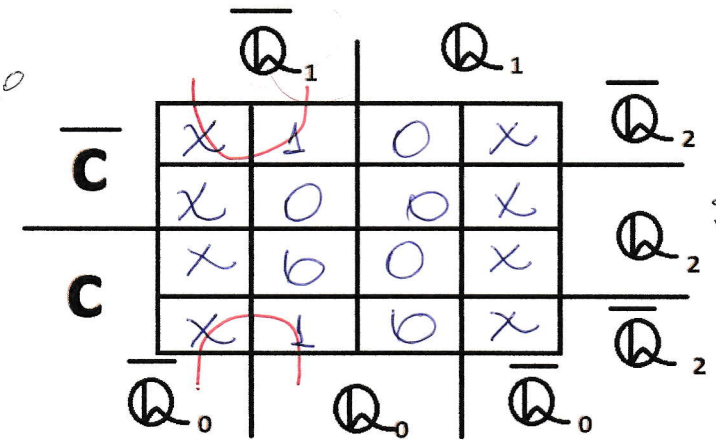
K_1



$S = Q_0 + C$



$S = \overline{C}\,\overline{Q_2} + C\overline{Q_1} + CQ_2$



$S = \overline{Q_2} \cdot \overline{Q_1}$