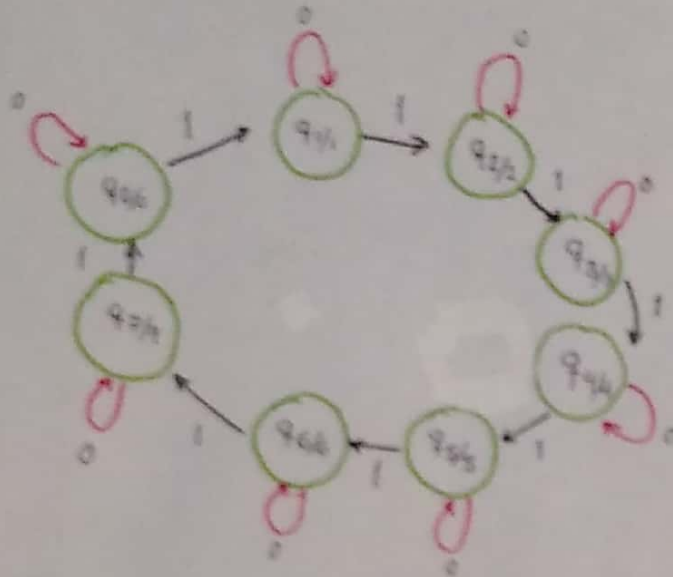


Practica 6: Contadores



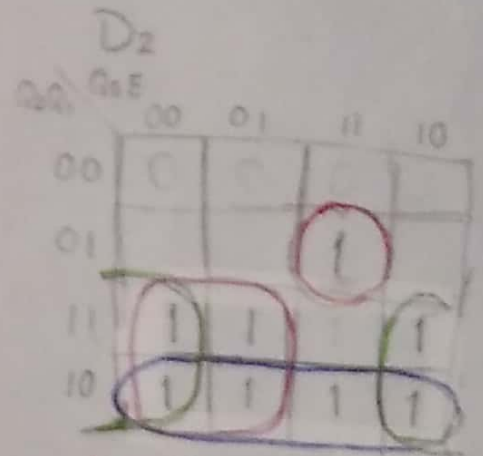
Código secuencial

$q_0 = 000$
 $q_1 = 001$
 $q_2 = 010$
 $q_3 = 011$
 $q_4 = 100$
 $q_5 = 101$
 $q_6 = 110$
 $q_7 = 111$

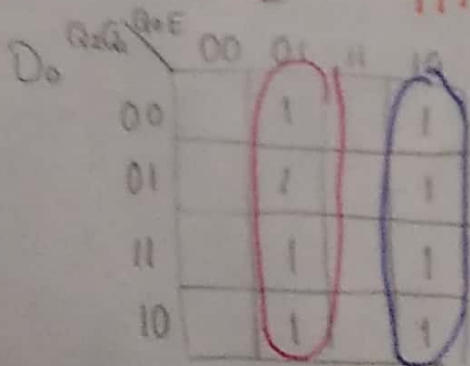
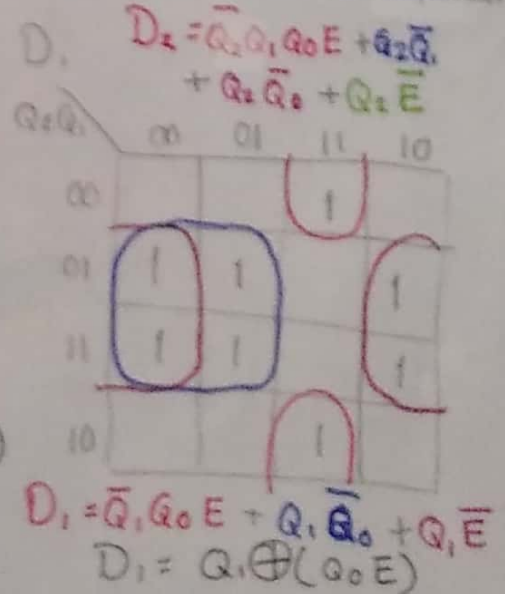
Edo_Act	E	Edo_sig	Salida
000	1	001	000
001	1	010	001
010	1	011	010
011	1	100	011
100	1	101	100
101	1	110	101
110	1	111	110
111	1	000	111

Edo_Act	E	Edo_sig	Salida
000	0	000	000
001	0	001	001
010	0	010	010
011	0	011	011
100	0	100	100
101	0	101	101
110	0	110	110
111	0	111	111

D_2	D_1	D_0
0	0	1
0	1	0
1	0	1
1	0	1
1	1	0
1	1	0
0	0	1



D_2	D_1	D_0
0	0	0
0	0	1
0	1	0
0	1	1
1	0	0
1	0	1
1	1	0
1	1	1



$$D_2 = Q_2 \oplus (Q_1 Q_0 E)$$

$$D_1 = \bar{Q}_1 Q_0 E + Q_1 \bar{Q}_0 + Q_1 \bar{E}$$

$$D_1 = Q_1 \oplus (Q_0 E)$$

$$D_0 = \bar{Q}_0 E + Q_0 \bar{E} = Q_0 \oplus E$$