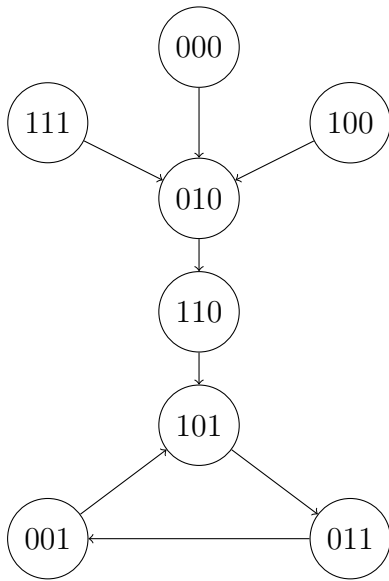


Laborator Proiectare Logică 10

Sîrghe Matei

January 9, 2025

Avem un numărător:



Q_2	Q_1	Q_0	Q'_2	Q'_1	Q'_0
0	0	0	0	1	0
0	0	1	1	0	1
0	1	0	1	1	0
0	1	1	0	0	1
1	0	0	0	1	0
1	0	1	0	1	1
1	1	0	1	0	1
1	1	1	0	1	0

$Q_2 \backslash Q_0$	00	01	11	10
00	0	1	1	0
01	1	0	0	0

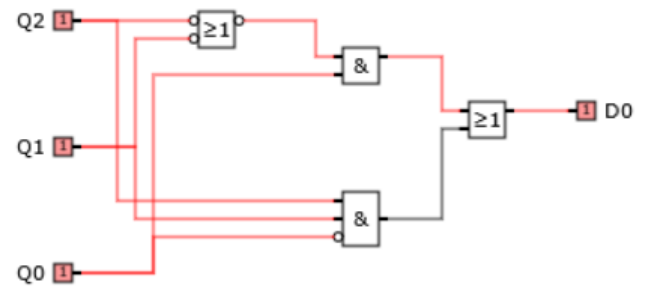
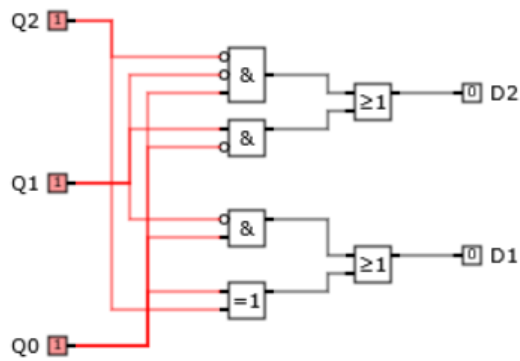
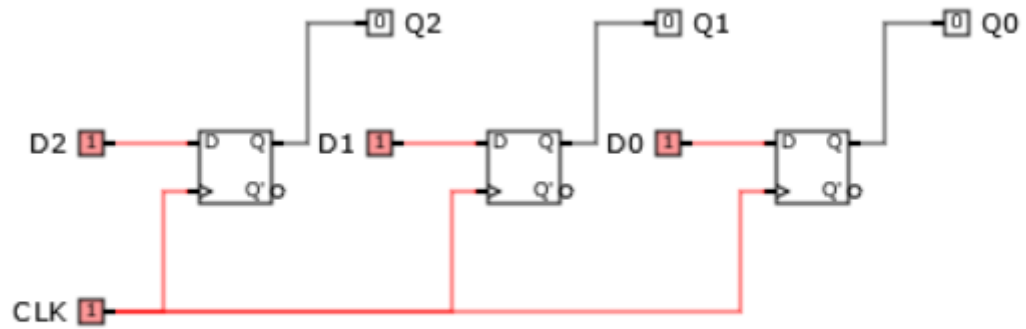
$$\begin{cases} D_2 = Q'_2 \\ D_1 = Q'_1 \\ D_0 = Q'_0 \\ D_2 = Q_1 \bar{Q}_0 + \bar{Q}_2 \bar{Q}_1 Q_0 \end{cases}$$

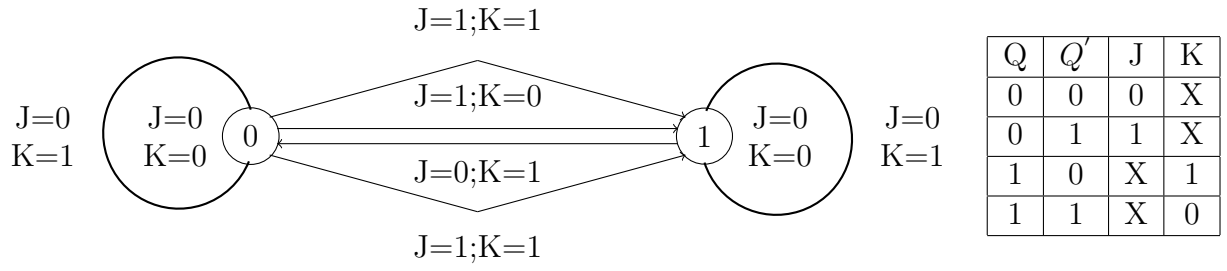
$Q_2 \backslash Q_0$	00	01	11	10
00	1	1	0	1
01	0	0	1	1

$$\begin{cases} D_1 = \bar{Q}_2 \bar{Q}_0 + Q_2 Q_0 + Q_2 \bar{Q}_1 \\ D_1 = Q_2 \oplus Q_0 + Q_2 \bar{Q}_1 \end{cases}$$

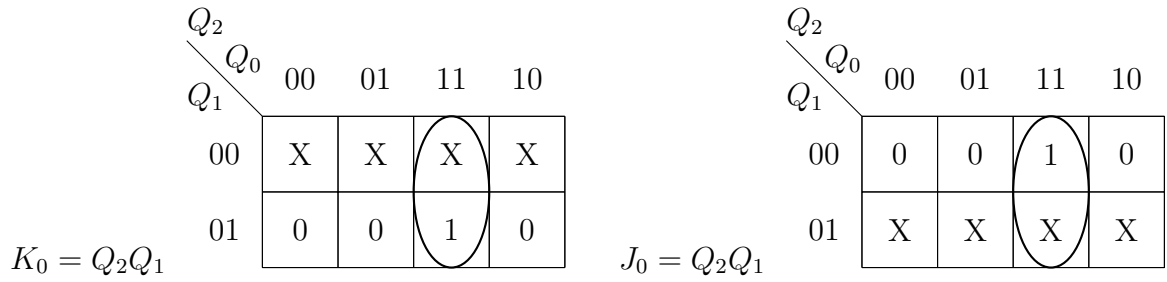
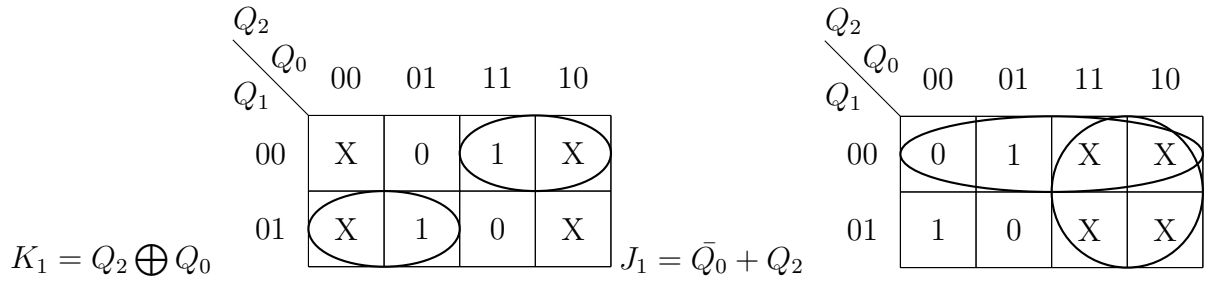
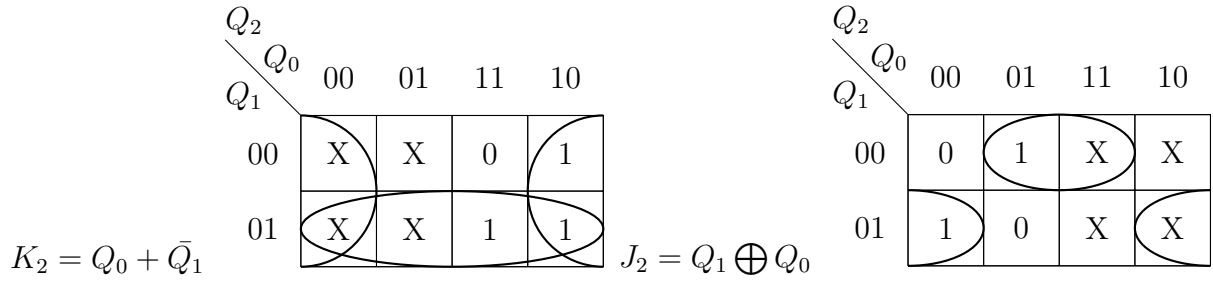
		$Q_2 \backslash Q_0$			
		00	01	11	10
Q_1	00	0	0	1	0
	01	1	1	0	1

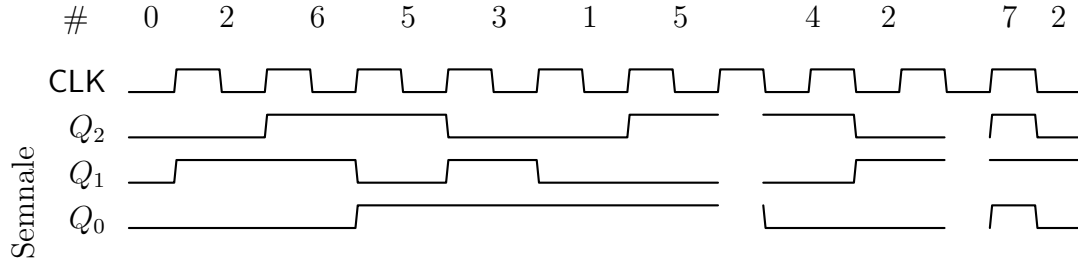
$$\begin{cases} D_0 = \bar{Q}_2 Q_0 + Q_2 Q_1 \bar{Q}_0 + \bar{Q}_1 Q_0 \\ D_1 = Q_0 + 0(\bar{Q}_2 + \bar{Q}_1) + Q_2 Q_1 \bar{Q}_0 \end{cases}$$





Q_2	Q_1	Q_0	Q'_2	Q'_1	Q'_0	J_2	K_2	J_1	K_1	J_0	K_0
0	0	0	0	1	0	0	X	1	X	0	X
0	0	1	1	0	1	1	X	0	X	X	0
0	1	0	1	1	0	1	X	X	0	0	X
0	1	1	0	0	1	0	X	X	1	X	0
1	0	0	0	1	0	X	1	1	X	0	X
1	0	1	0	1	1	X	1	1	X	X	0
1	1	0	1	0	1	X	0	X	1	1	X
1	1	1	0	1	0	X	1	X	0	X	1





Q_2	Q_1	Q_0	Q'_2	Q'_1	Q'_0	T_2	T_1	T_0
0	0	0	0	1	0	0	1	0
0	0	1	1	0	1	1	0	0
0	1	0	1	1	0	1	0	0
0	1	1	0	0	1	0	1	0
1	0	0	0	1	0	1	1	0
1	0	1	0	1	1	1	1	0
1	1	0	1	0	1	0	1	1
1	1	1	0	1	0	1	0	1

