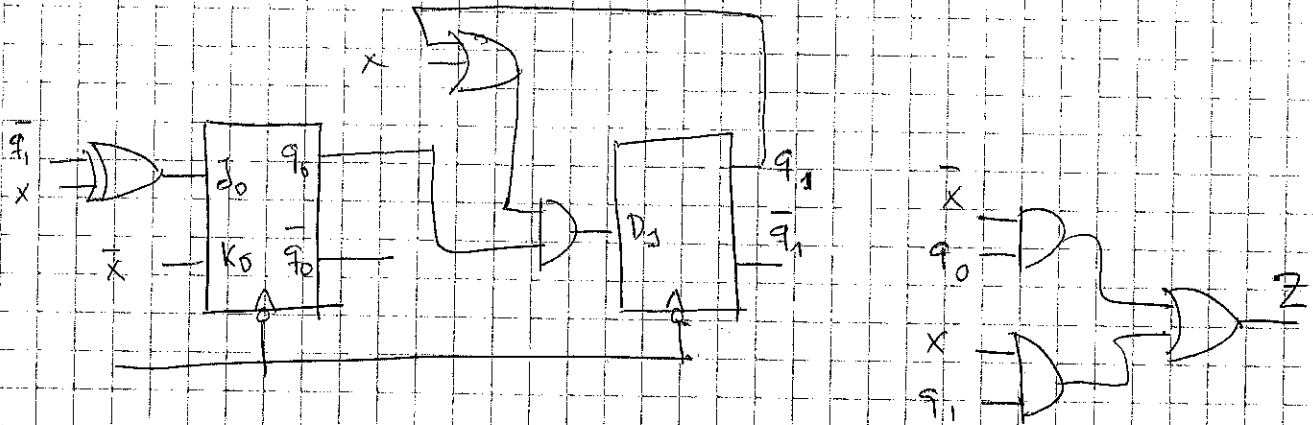


Problema 2

⊕ Analice el siguiente circuito



$$D_1 = (x + Q_1) Q_0$$

$$\left. \begin{aligned} J_0 &= \bar{Q}_1 \oplus x \\ K_0 &= \bar{x} \end{aligned} \right\}$$

$$Z = \bar{x} Q_0 + x Q_1$$

x	0	1
Q_1, Q_0		
00	0, 1, 1, 0	0, 0, 0, 0
01	0, 1, 1, 1	1, 0, 0, 0
11	1, 0, 1, 1	1, 1, 0, 1
10	0, 0, 1, 0	0, 1, 0, 1

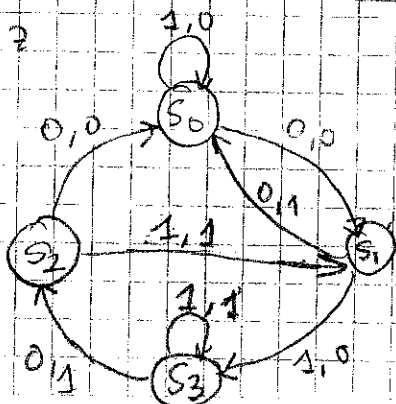
D_1, J_0, K_0, Z

x	0	1
Q_1, Q_0		
00	0, 1, 0, 0	0, 0, 0, 0
01	0, 0, 1, 1	1, 1, 0, 0
11	1, 0, 1, 1	1, 1, 1, 1
10	0, 0, 0, 0	0, 1, 1, 1

Q_1, Q_0, Z

x	0	1
S		
S_0	$S_{1,0}$	$S_{0,0}$
S_1	$S_{0,1}$	$S_{3,0}$
S_3	$S_{2,1}$	$S_{3,1}$
S_2	$S_{0,0}$	$S_{1,1}$

N, S, Z

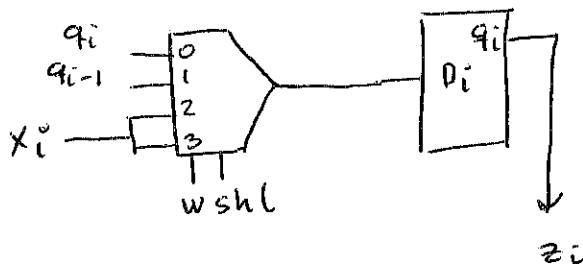


$X = 0 1 0 1$
 $S: S_0 S_1 S_3 S_2$
 $Z = 0 0 1 1$

Problema 3

Celda básica con breasted D

w	shl	D_i	
0	0	q_i	$z_i = q_i$
0	1	q_{i-1}	
1	x	x_i	



Replicando esta celda 4 veces obtenemos el registro pedido

