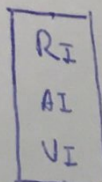
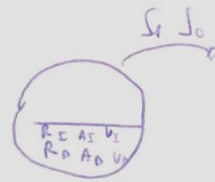
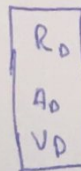
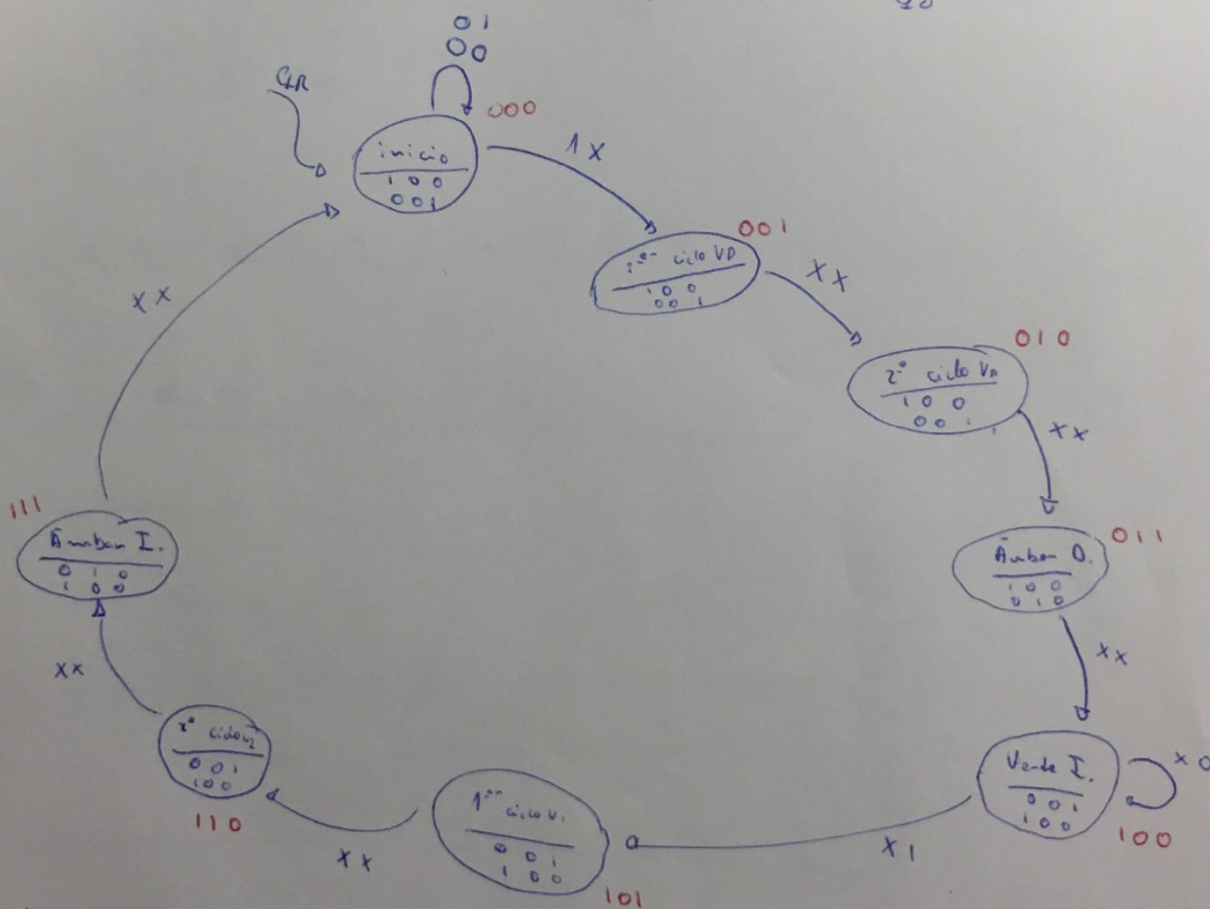


S1



S0 = 1
q2 = 4
q1 = 2
q0 = 1

D2, D1, D0



8 estados → 3 biestables tipo D.

D₀

1 0 1 0

0 0 1 0
z z' z'' z'''

Q₂ = 0

S ₁ S ₀ \ Q ₁ Q ₀	00	01	11	10
00	0	0	0	1
01	0	0	0	1
11	1	0	0	1
10	1	0	0	1

$$D_0 = S_1 \bar{Q}_0 \bar{Q}_2 + Q_1 \bar{Q}_0 \bar{Q}_2$$

Q₂ = 1

S ₁ S ₀ \ Q ₁ Q ₀	00	01	11	10
00	0	0	0	1
01	1	0	0	1
11	1	0	0	1
10	0	0	0	1

$$Q D_0 = Q_1 \bar{Q}_0 + S_1 \bar{Q}_0 \bar{Q}_2 + S_0 \bar{Q}_0 Q_2$$

D₁

Q_2^+
 L_1
 $S_1 = 0$

$S_0 Q_2$	$Q_1 Q_0$	00	01	11	10
00		0			
01					
11					
10		0			

$$D_2 = \bar{a}_1 \bar{a}_0 + a_1 a_0$$

$$D_2 = Q_1 \cdot Q_0 \cdot \bar{a}_2 + \bar{Q}_1 \cdot Q_0 + \bar{a}_0 \cdot a_2$$

$$D_1 = Q_1 \oplus Q_0$$

$$D_0 = Q_1 \cdot \bar{a}_0 + S_1 \cdot \bar{a}_0 \cdot \bar{a}_2 + S_0 \cdot \bar{a}_0 \cdot a_2$$

$$D_2 = \bar{Q}_1 + Q_1 \cdot Q_0 + Q_1 \bar{a}_0 \bar{a}_0$$

$S_1 S_0$	$Q_1 Q_0$	00	01	11	10
00		0	0	1	0
01		0	0	1	0
11		0	0	1	0
10		0	0	1	0

$$Q_2 = 0$$

$S_1 S_0$	$Q_1 Q_0$	00	01	11	10
00		1	1	0	1
01		1	1	0	1
11		1	1	0	1
10		1	1	0	1

$$Q_2 = 1$$

$$D_1 = \bar{a}_1 \cdot Q_0 + Q_1 \cdot \bar{a}_0$$

$S_1 S_0$	$Q_1 Q_0$	00	01	11	10
00		0	1	0	1
01		0	1	0	1
11		0	1	0	1
10		0	1	0	1

$$Q_2 = 0$$

$S_1 S_0$	$Q_1 Q_0$	00	01	11	10
00		0	1	0	1
01		0	1	0	1
11		0	1	0	1
10		0	1	0	1

$$Q_2 = 1$$