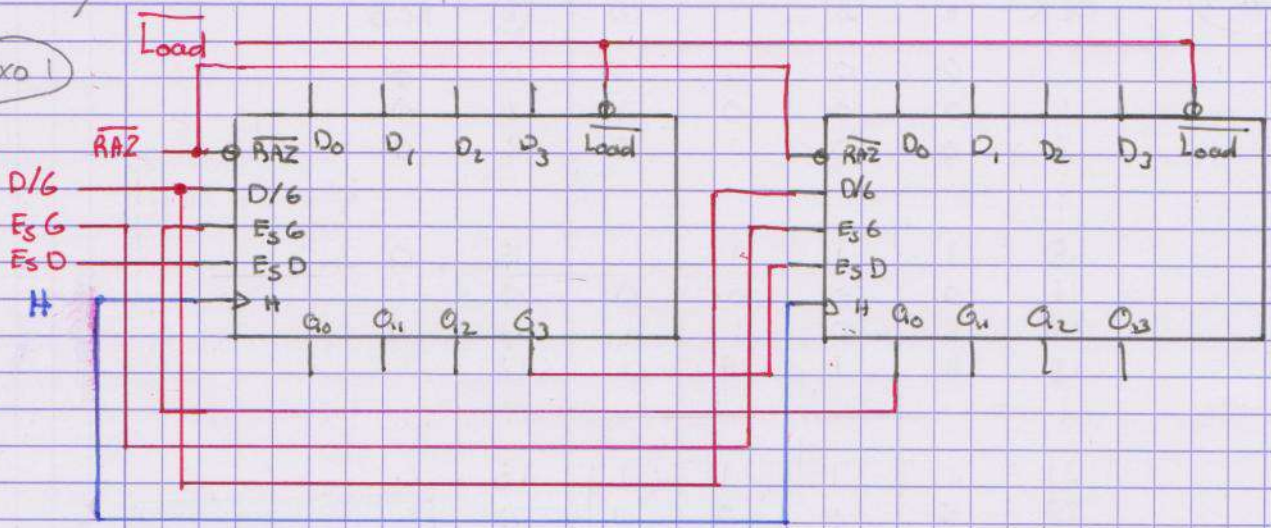
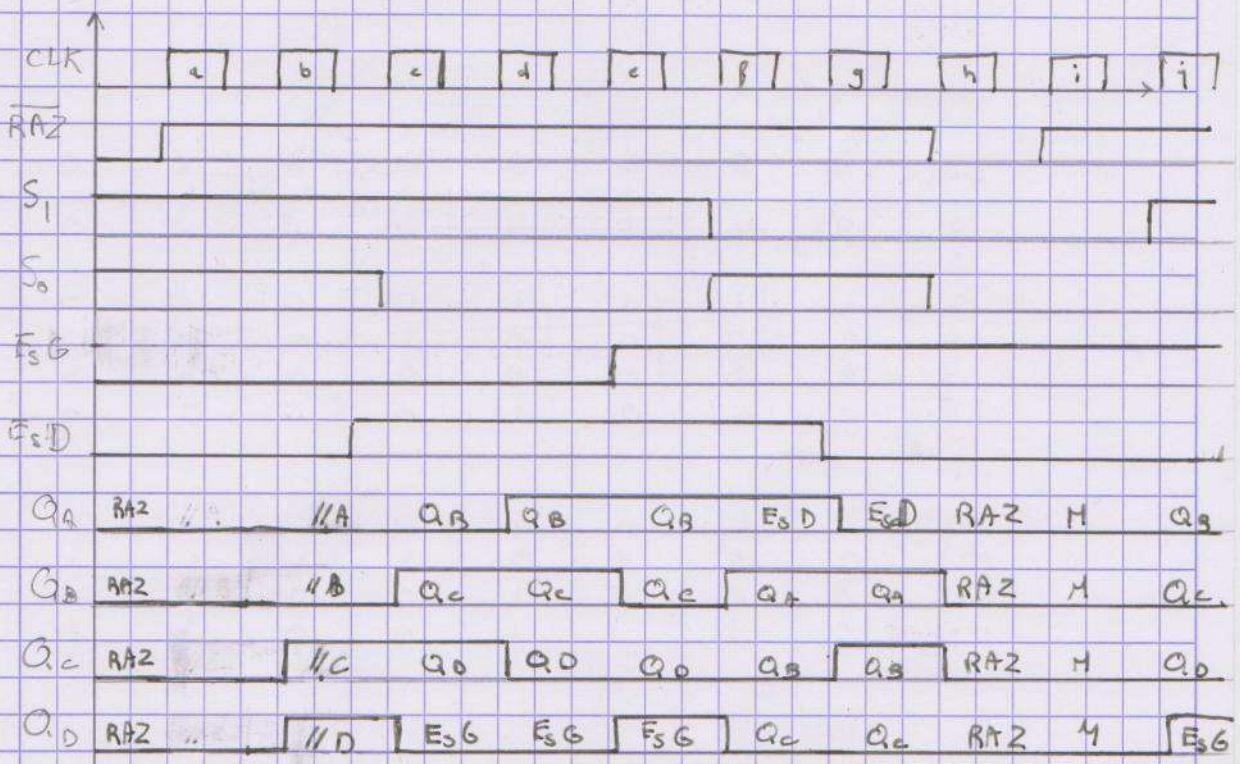


Exo 1



Exo 2





Exo 3

CLK	A	B	C	D	$\oplus$	RCO
	0	0	0	0	0	0
1	0	0	0	1	1	0
2	0	0	1	0	2	0
⋮						
15	1	1	1	1	15	0
16	0	0	0	0	0	1
17	1	0	1	1	11	0
18	1	1	0	0	12	
⋮						
21	1	1	1	1	15	0
22	0	0	0	0	0	1
23	1	0	1	1	11	0
24	1	1	0	0	12	0
⋮						

---

CLK	A	B	C	D	RCO	A	B	C	D	RCO
0	0	0	0	0	0	0	0	0	0	0
⋮										
15	1	1	1	1	0	0	0	0	0	0
16	0	0	0	0	1	0	0	0	0	0
17	0	0	0	0	0	0	0	0	1	0
18	0	0	0	1	0	0	0	0	1	0
⋮										
m	1	1	1	1	0	1	1	1	1	0
m+1	0	0	0	0	1	1	1	1	1	0
m+2	0	0	0	1	0	0	0	0	0	1
m+3	0	1	1	1	0	0	0	1	1	0



Exo 4

$$6|_{10} = Q_D Q_C Q_B Q_A = \boxed{0110} \Rightarrow DCBA = 10|_{10} = \boxed{1010}$$

$$12|_{10} = \dots = \boxed{1100} \Rightarrow DCBA = 11|_{10} = \boxed{1110}$$

$$\overline{10AD} = \overline{6|_{10} + 10|_{10}} = \overline{Q_D Q_C Q_B Q_A + Q_D Q_C \overline{Q_B} Q_A} \\ = \overline{Q_D Q_C Q_B Q_A} \cdot \overline{Q_D Q_C \overline{Q_B} Q_A}$$

