

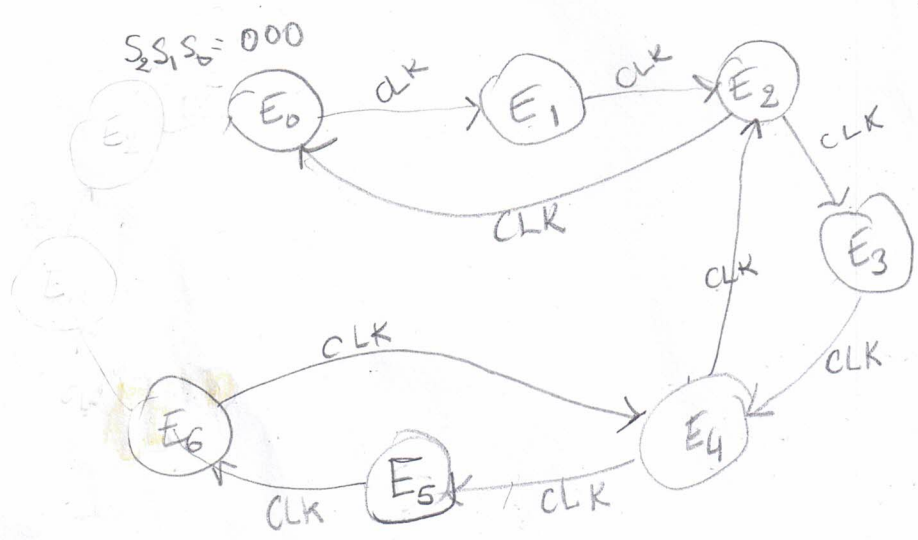
1) Structure de Moore car: $S = f(Q_2, Q_1, Q_0)$

$0 \rightarrow 1 \rightarrow 2 \rightarrow 3 \rightarrow 4 \rightarrow 5 \rightarrow 6 \rightarrow 4 \rightarrow 2 \rightarrow 0$

$G_{10} \rightarrow (0110)_2 \Rightarrow$ donc 3 bascules. Et il y a 2^3 états
(Realisation avec des bascules D)

	$S_2 S_1 S_0$	$Q_2 Q_1 Q_0$	$Q_2^+ Q_1^+ Q_0^+$
	E_0	000	001 E_1
1	E_1	001	010 E_2
2	E_2	010	011 E_3
3	E_3	011	100 E_4
4	E_4	100	101 E_5
5	E_5	101	110 E_6
6	E_6	110	100 E_4
4	E_4	100	010 E_2
2	E_2	010	000 E_0

Present (Futur)?



$S_2 S_1 S_0 = 000$

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

$D_2 = Q_0 Q_1 + Q_2$

0 et 1 D_2 ou Q_2^+

$D_2 = Q_2 + Q_1 Q_2$

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

$D_1 = \bar{Q}_1 Q_2 + \bar{Q}_1 Q_0 + \bar{Q}_1 Q_0 Q_2$
 $= \bar{Q}_1 (Q_0 + Q_2) + \bar{Q}_1 Q_0 Q_2$

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

$D_1 = \bar{Q}_1 (Q_0 + Q_2 + \bar{Q}_1 Q_0 Q_2)$

$D_1 = \bar{Q}_1 (Q_0 (1 + \bar{Q}_1 Q_2) + Q_2)$

$D_1 = \bar{Q}_1 (Q_0 + Q_2)$

$D_0 = \bar{Q}_0 \bar{Q}_1 + \bar{Q}_0 \bar{Q}_2$

$D_0 = \bar{Q}_0 (\bar{Q}_1 + \bar{Q}_2)$

D0