

EXERCICE N°1 :

- 1) Le registre conserve l'état 000.
- 2) $D0 = Q1$; $D1 = Q2$; $D2 = Q0$

Tableau d'analyse :

Horloge	Q2		Q1		Q0	
	D2 = 1	0	D1 = 0	0	D0 = 0	1
	D2 = 0	1	D1 = 1	0	D0 = 0	0
		0		1		0

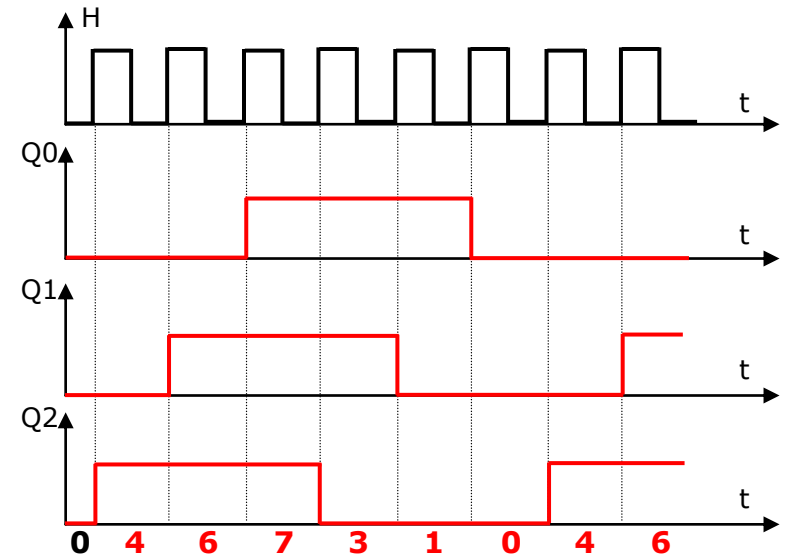
Après deux impulsions l'état du registre est 010.

EXERCICE N°2 :

$D0 = Q1$; $D1 = Q2$; $D2 = \overline{Q0}$

Tableau d'analyse :

Horloge	Q2		Q1		Q0	
	D2 = 1	0	D1 = 0	0	D0 = 0	0
	D2 = 1	1	D1 = 1	0	D0 = 0	0
	D2 = 1	1	D1 = 1	1	D0 = 1	0
	D2 = 0	1	D1 = 1	1	D0 = 1	1
	D2 = 0	0	D1 = 0	1	D0 = 1	1
	D2 = 0	0	D1 = 0	0	D0 = 0	1
		0		0		0



EXERCICE N°3 :

Impulsion d'horloge	Q _A	Q _B	Q _C	Q _D	Q _E	Q _F	Q _G	Q _H
0	0	0	0	0	0	0	0	0
1	1	0	0	0	0	0	0	0
2	1	1	0	0	0	0	0	0
3	1	1	1	0	0	0	0	0
4	1	1	1	1	0	0	0	0
5	1	1	1	1	1	0	0	0
6	1	1	1	1	1	1	0	0
7	1	1	1	1	1	1	1	0
8	0	0	0	0	0	0	0	0

