

Solution : CAN et CNA

Exercice sur le CAN

$$ue = q0.N \rightarrow N = ue/q0 = 1.2/0.1 = (12)_{10} = (1100)_2$$

Exercices sur le CNA

TD1 $Us = q.N = 0.5 \times 11 = 5.5V$

TD2 $N = us/q = 2.25/0.25 = (9)_{10} = (1001)_2$

TD3 $U_{max} = U_{PE} = 10V$

TD4

1- $q = Vs/N = 0.2/1 = 0.2V \rightarrow vs = q.N = 0.2 \times 31 = 6.2V$ (c'est la pleine échelle)

2- Quantum $q = 0.2V$ (c'est la sortie pour $N = 00001$)

3-

