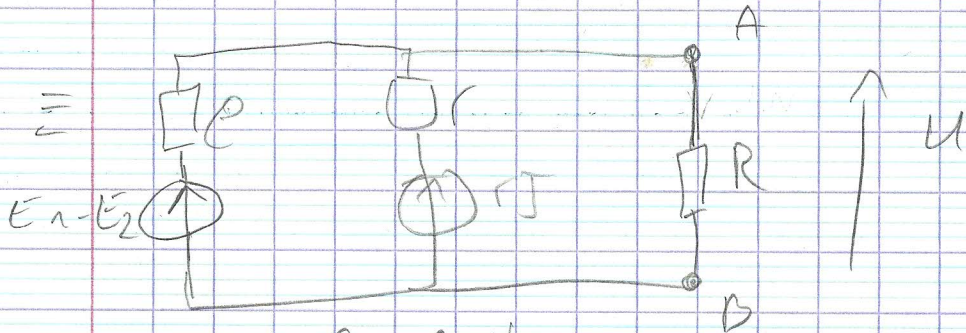
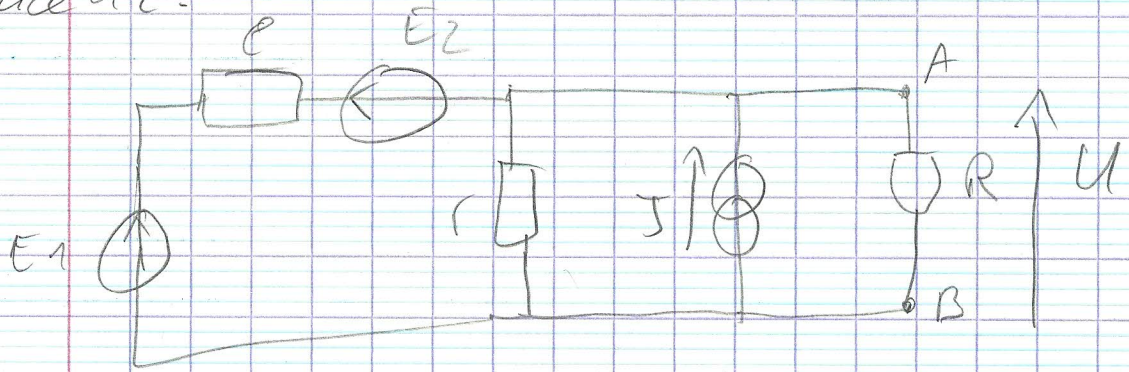
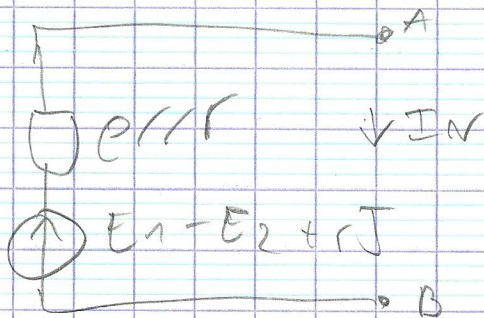


Exercice 12:

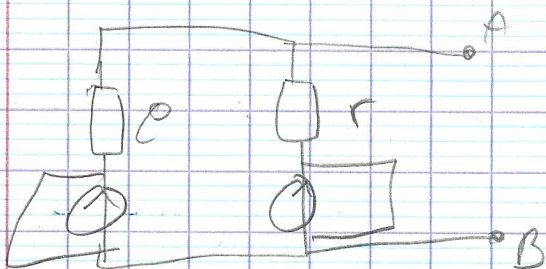


1/ calcul I_N



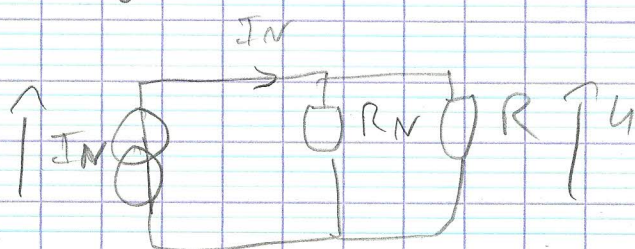
$$I_N = \frac{E_1 - E_2 + rJ}{rR}$$

2/ calcul de R_N



$$R_N = \frac{rR}{r+R}$$

3/ géné de norton



loi des noeuds:

$$I_N = \frac{U}{R} + \frac{U}{R_N}$$

$$U \left(\frac{1}{R} + \frac{1}{R_N} \right) = I_N$$

$$U = I_N \times \left(\frac{R_N R}{R_N + R} \right)$$

