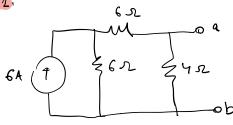
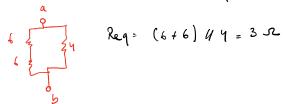
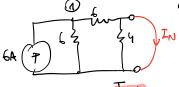
Exercice 1:



Comme pour les équivalents de Thérenin il faut annuler les sources.



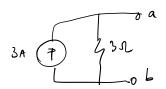
On cont-circuite les bornes, la résistance de 41 est court-circuitée, le comant qui la traverse est rul.



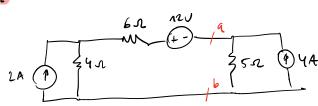
( no fair s'en convaincre: court-cinaiter (=) la diff de potentiel ( )  $\frac{1}{2}$  ( aux bornes de la résistance est mulle, et  $i = \frac{V}{R} = 0$  A

Divisem de courant entre deux résistance de 6 r

Equivalent de Norton:



Exercia 2



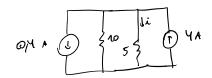
$$Z_{N} = ?$$

6.0 MV

1.1  $Z = \frac{V}{4} + \frac{V - 12}{6} = 1$ 
 $Z_{N} = \frac{V - 12}{6} = 0$ 
 $Z_{N} = \frac{V - 12}{6} = 0$ 

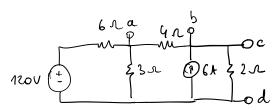
$$2 = \frac{V}{4} + \frac{V - 12}{6} = 0$$
  $V = 9.6V$ 

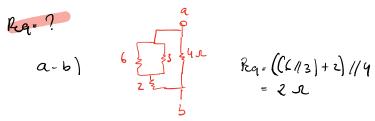
i= 1.

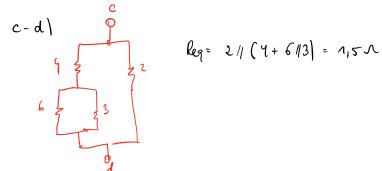


Current dividus

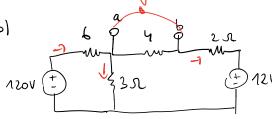
Exercice 3:





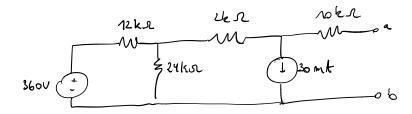


IN=?



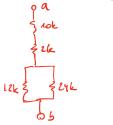
120V (+) 42 L

$$\frac{120-V}{6} = \frac{V}{3} + \frac{V-12}{2}$$
 (57 V= 26 V

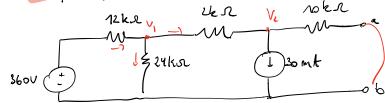


## Reg ?

Reg= 14 Ks



IN=? ! Attention are unites!



$$\frac{\ln A}{360-V_1} = \frac{V_1}{24} + \frac{V_1-U_2}{2}$$

V1 = 24 V

$$\frac{V_1 - V_2}{2} = \frac{V_2}{10} + \frac{2}{30}$$

Vz = -301

IN= -30V = -3 mA

Equivalent:



$$i = \frac{14}{15} \cdot -3 \, \text{mA} = -2,8 \, \text{mA}$$