

Youssef laa mim

To calculate the current I in the circuit. Installation in series

$$U_0 = I * (R_i + R_L)$$

\* $U_0$  is the total voltage (v) = 9v

\*I is the current intensity (A)=

\* $R_i$  is the resistance (ohms)= $0.5\Omega$

\* $R_L$  is the resistance (ohms) =  $4\Omega$

$U_0$

I= -----

$R_i + R_L$

9v

I = -----

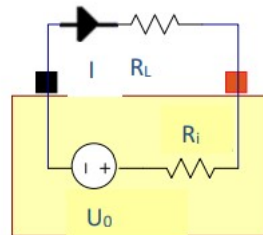
$0.5\Omega + 4\Omega$

9V

I = -----

$4.5\Omega$

I= 2 A



*Figur 2*