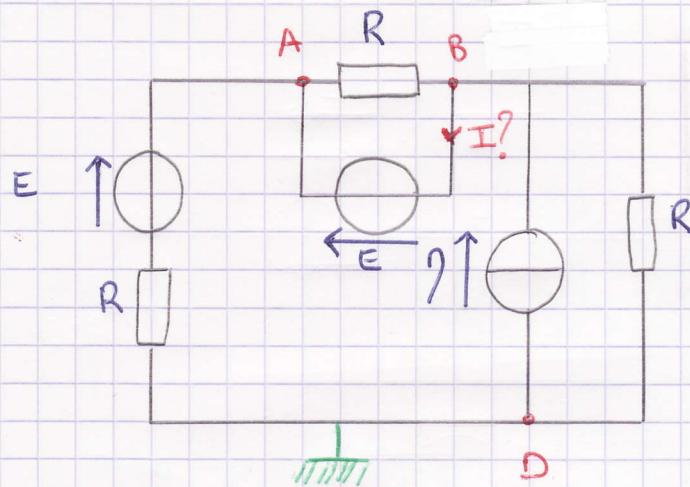


## Ex-E2-20



↳ Choisir de la masse en D.

LNTP sur A

$$\frac{V_D - V_A + E}{R} + \frac{V_B - V_A}{R} + I = 0$$

$$-2V_A + V_B + E + RI = 0 \quad (1)$$

LNTP sur B

$$\frac{V_D - V_B}{R} + \frac{V_A - V_B}{R} + \gamma - I = 0$$

$$-2V_B + V_A + R\gamma - RI = 0 \quad (2)$$

$$U_{AB} = V_A - V_B = E$$

$$(1) \quad -V_A + E - E + RI = 0$$

$$(2) \quad -2V_B + 2V_A - V_A + R\gamma - RI = 0$$

$+2E$

$$(1) \quad V_A = RI$$

$$(2) \quad +2E - RI + R_I - RI = 0$$

$$I = + \frac{E}{R} + \frac{\eta}{2}$$