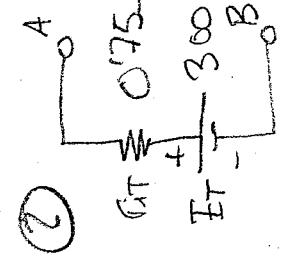


$$E_A = E_1 + E_2 + E_3 = 100 + 100 + 100 = 300V$$

$$I_A = R_{12} + R_{34} + R_5 = 0.5 + 0.5 + 4 = 5.5V$$

$$E_B = E_{L1} + E_5 + E_6 = 100 + 100 + 100 = 300V$$

$$I_B = R_{12} + R_{34} + R_5 = 0.5 + 0.5 + 4 = 5.5V$$



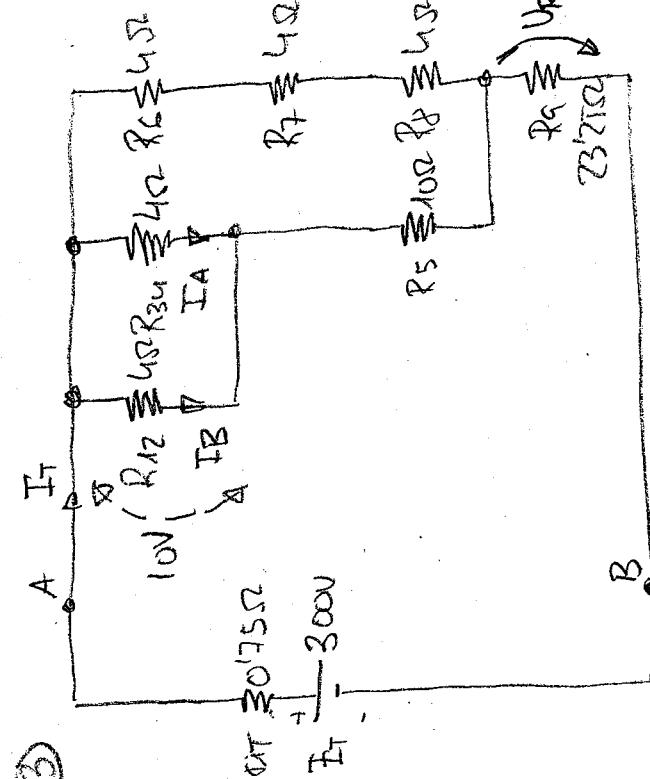
$$E_A = E_1 + E_2 + E_3 = 100 + 100 + 100 = 300V$$

$$I_A = \frac{1}{R_{12}} + \frac{1}{R_{34}} = \frac{1}{0.75} + \frac{1}{0.75} = 2A$$

$$E_B = E_{L1} + E_5 + E_6 = 100 + 100 + 100 = 300V$$

$$I_B = R_{12} + R_{34} + R_5 = 0.75 + 0.75 + 6 = 7.5V$$

③



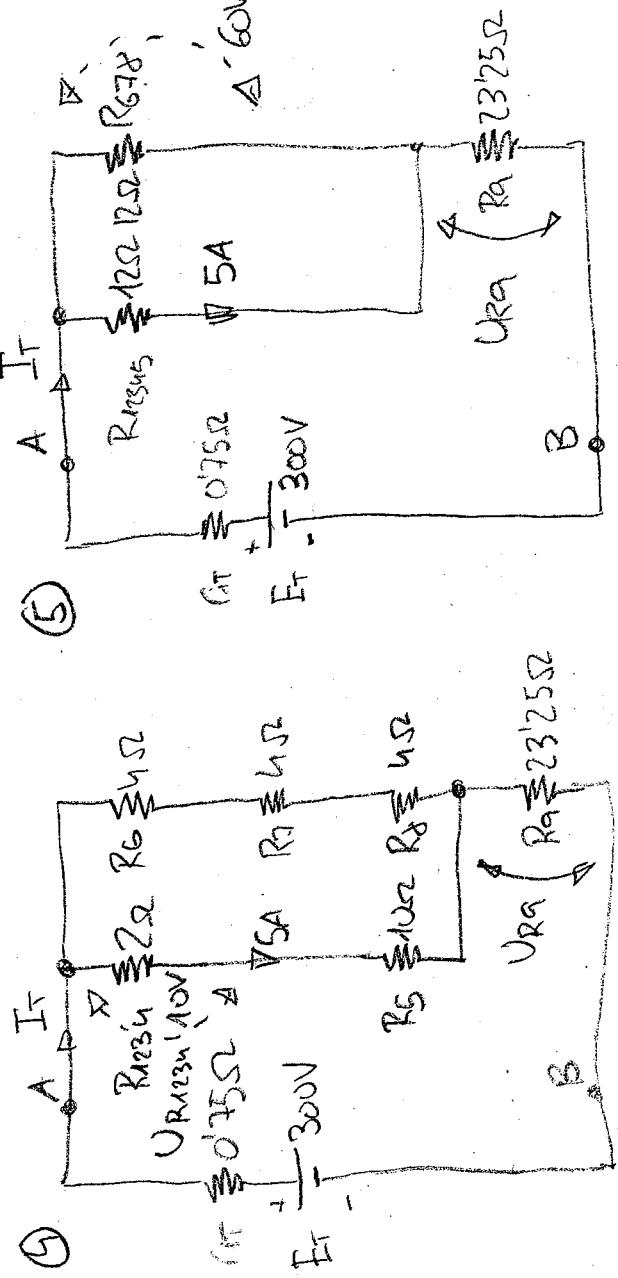
$$E_A = E_1 + E_2 + E_3 = 100 + 100 + 100 = 300V$$

$$I_A = R_{12} + R_{34} + R_5 = 0.75 + 0.75 + 4 = 5.5V$$

$$E_B = E_{L1} + E_5 + E_6 = 100 + 100 + 100 = 300V$$

$$I_B = R_{12} + R_{34} + R_5 = 0.75 + 0.75 + 4 = 5.5V$$

④



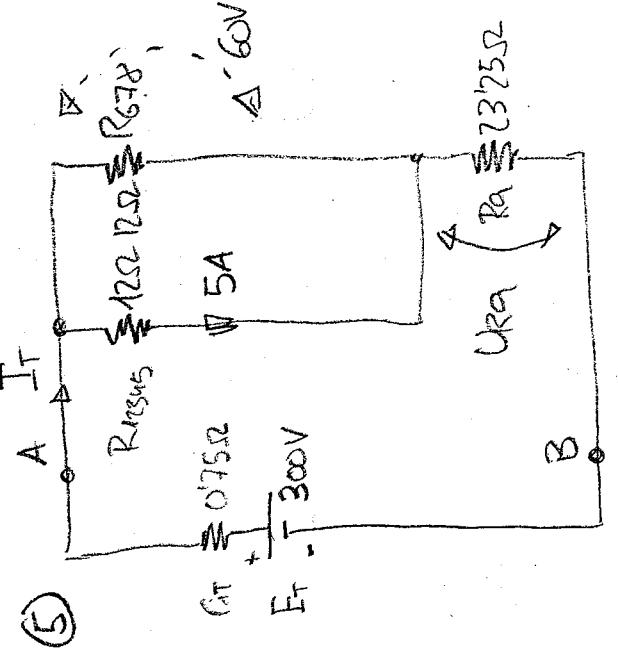
$$E_A = E_1 + E_2 + E_3 = 100 + 100 + 100 = 300V$$

$$I_A = R_{12} + R_{34} + R_5 = 0.75 + 0.75 + 4 = 5.5V$$

$$E_B = E_{L1} + E_5 + E_6 = 100 + 100 + 100 = 300V$$

$$I_B = R_{12} + R_{34} + R_5 = 0.75 + 0.75 + 4 = 5.5V$$

⑤



$$E_A = E_1 + E_2 + E_3 = 100 + 100 + 100 = 300V$$

$$I_A = R_{12} + R_{34} + R_5 = 0.75 + 0.75 + 4 = 5.5V$$

$$E_B = E_{L1} + E_5 + E_6 = 100 + 100 + 100 = 300V$$

$$I_B = R_{12} + R_{34} + R_5 = 0.75 + 0.75 + 4 = 5.5V$$

$$\begin{aligned} R_{12345} &= R_{1234} + R_5 = 2 + 10 = 12\Omega \\ R_{678} &= R_{678} + R_{1234} = 4 + 12 = 16\Omega \\ R_{12345} &= R_{1234} + R_5 = 2 + 10 = 12\Omega \end{aligned}$$

$$\begin{aligned} I_{R_{12345}} &= \frac{U_{R_{12345}}}{R_{12345}} = \frac{10}{12} = 0.833A \\ I_{R_{678}} &= \frac{U_{R_{678}}}{R_{678}} = \frac{10}{16} = 0.625A \\ I_B &= \frac{U_{R_{12345}}}{R_{1234}} = \frac{10}{12} = 0.833A \end{aligned}$$

⑥ VACUE NOGSES