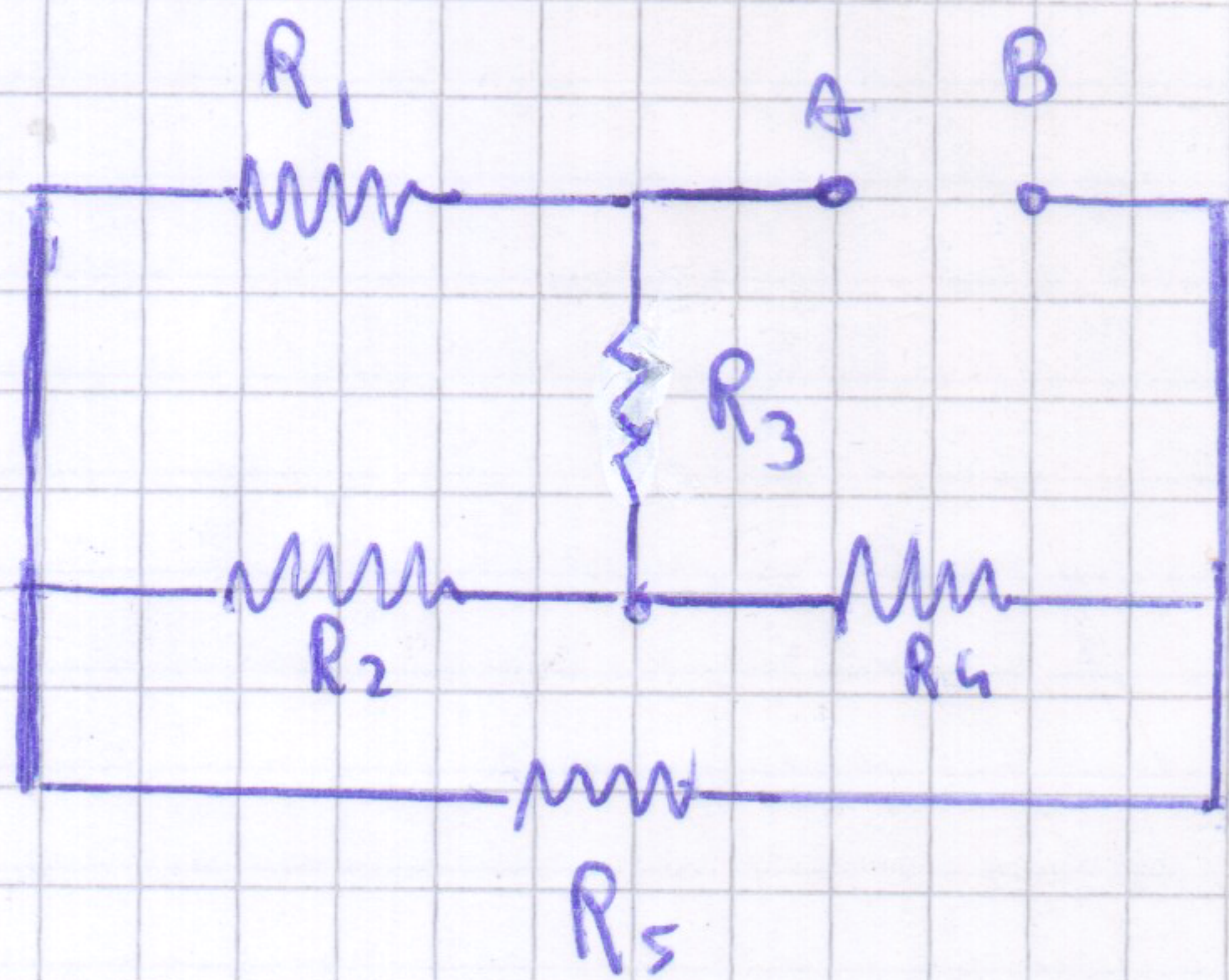


ELECTRO POWER

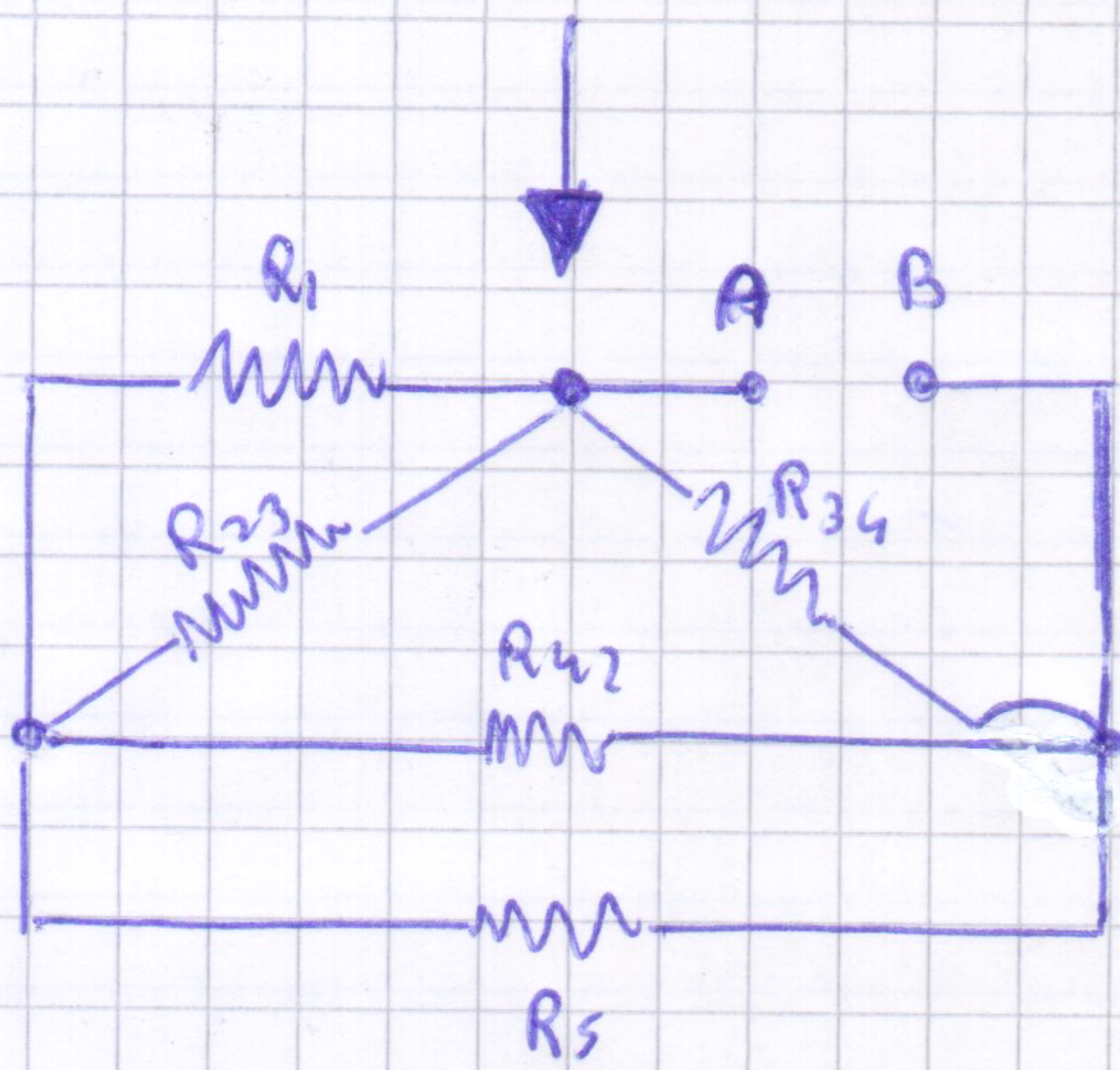


$$R_1 = 6 \Omega$$

$$R_2 = R_3 = R_4 = 2 \Omega$$

$$R_5 = 6 \Omega$$

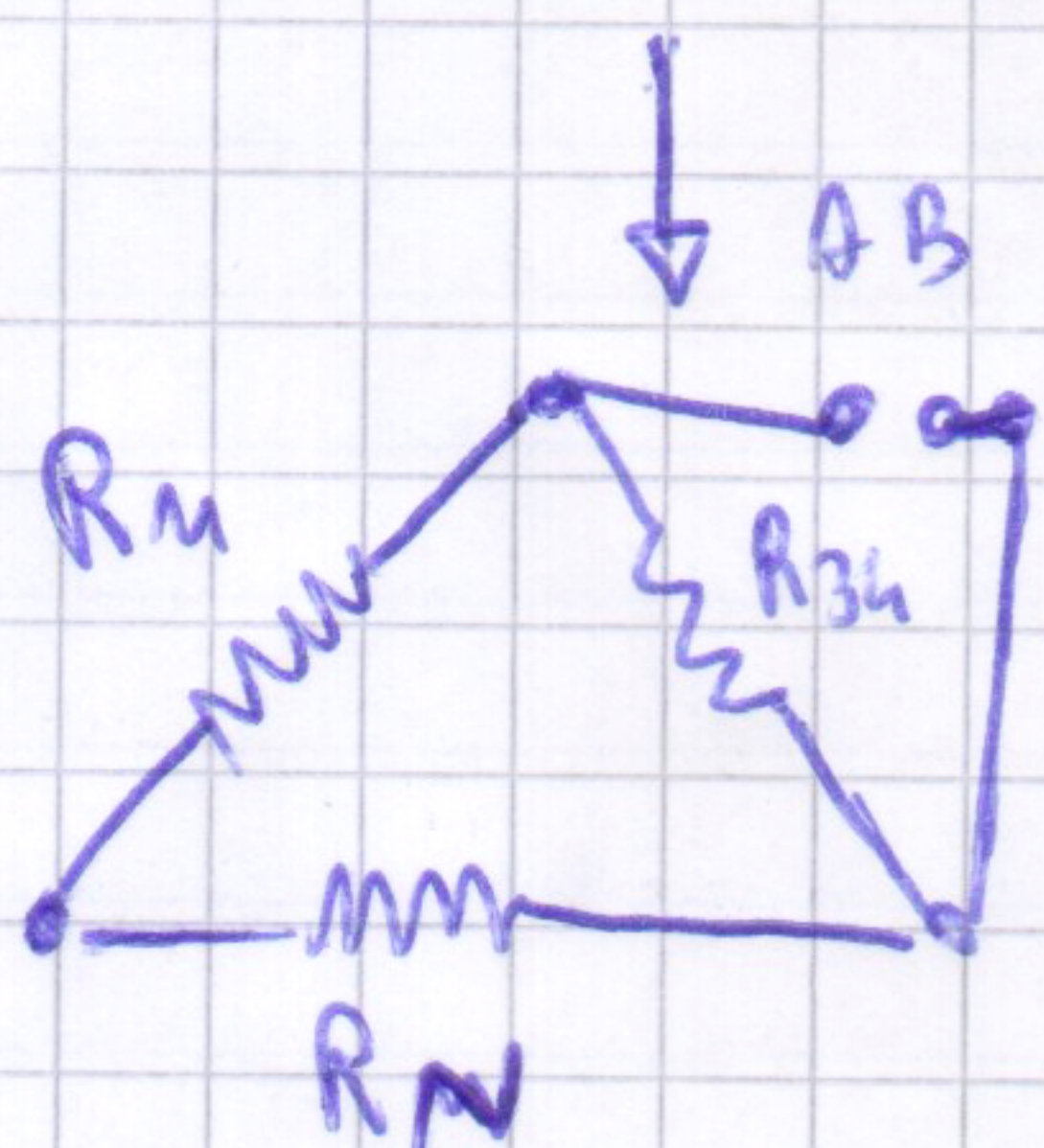
Calcola G_{eq}



$$R_{23} = \frac{R_2 \cdot R_3}{R_4} + R_3 + R_2$$

$$R_{23} = \frac{2 \cdot 2}{2} + 2 + 2 = 6 \Omega$$

$$R_{34} = \frac{R_3 \cdot R_4}{R_2} + R_3 + R_4 = 6 \Omega$$



$$R_M = R_{23} = \frac{R_{23} \cdot R_1}{R_{23} + R_1} = \frac{36}{12} = 3 \Omega$$

$$R_N = R_{425} = \frac{R_{42} \cdot R_5}{R_{42} + R_5} = \frac{36}{12} = 3 \Omega$$

$$R_{MN} = \text{serie di } R_N \text{ e } R_M = R_M + R_N = 6 \Omega$$

$$R_{eq\ tot} = R_{34MN} = \frac{R_{34} \cdot R_{MN}}{R_{34} + R_{MN}} = \frac{36}{12} = 3 \Omega$$

$$G_{eq\ tot} = \frac{1}{R_{eq\ tot}} = \frac{1}{3} \Omega^{-1}$$