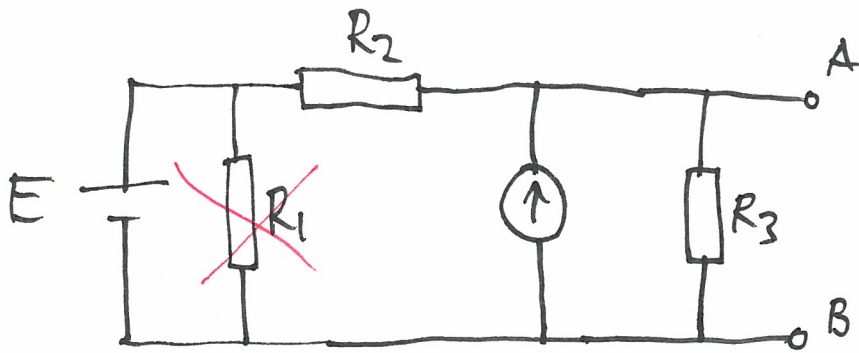
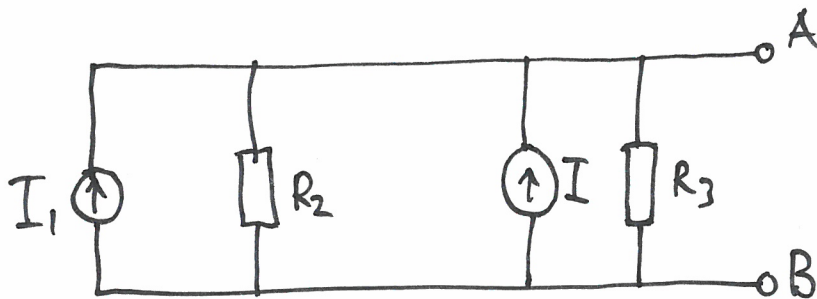


A 1.9 Lösning med källtransformering

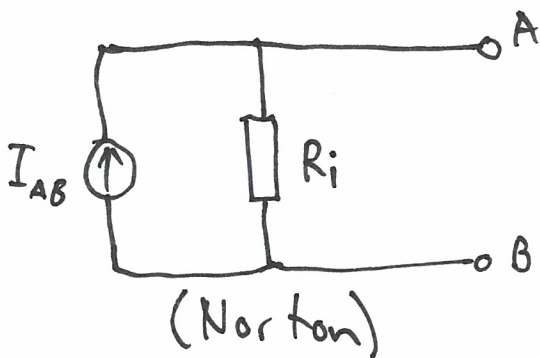


Eftersom att R_1 är parallell med en spänningssäälla kan den bortses från.

Transformera spänningssäälla:

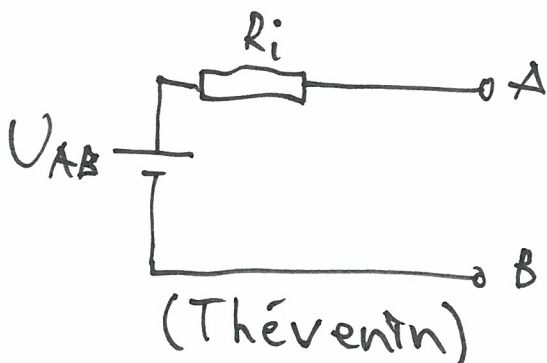


$$I_1 = E/R_2 = 4/5 = 0.8 \text{ A}$$



$$I_{AB} = I_1 + I = 3.8 \text{ A}$$

$$R_i = \frac{R_2 \cdot R_3}{R_2 + R_3} = \frac{5 \cdot 2}{5 + 2} = \frac{10}{7} \approx 1.4 \Omega$$



$$U_{AB} = I_{AB} \cdot R_i \approx 5.4 \text{ V}$$