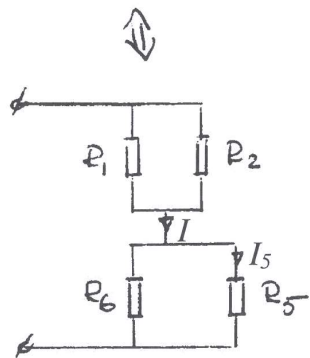
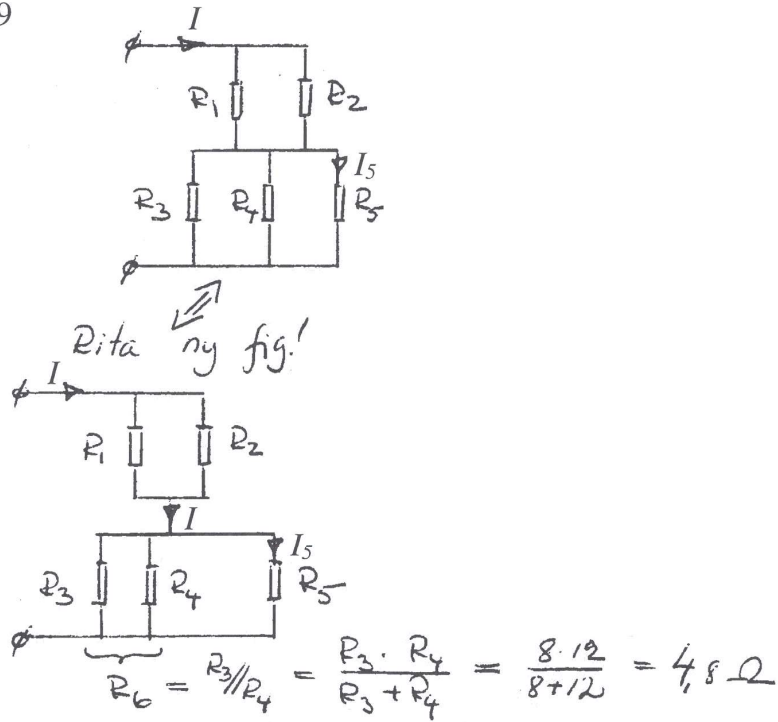


09



Strömdelningslagen ger:

$$I_5 = I \cdot \frac{R_6}{R_6 + R_5} = 10 \cdot \frac{4,8}{4,8 + 10} \approx 3,24 \text{ A}$$

b)

$$E = R_{TOT} \cdot I$$

$$R_{TOT} = \left(\frac{1}{R_1} + \frac{1}{R_2} \right)^{-1} + \left(\frac{1}{R_3} + \frac{1}{R_4} + \frac{1}{R_5} \right)^{-1}$$

$$\Rightarrow R_{TOT} \approx 5,6 \Omega$$

$$\Rightarrow E \approx 5,6 \cdot 10 = \underline{56 \text{ V}}$$