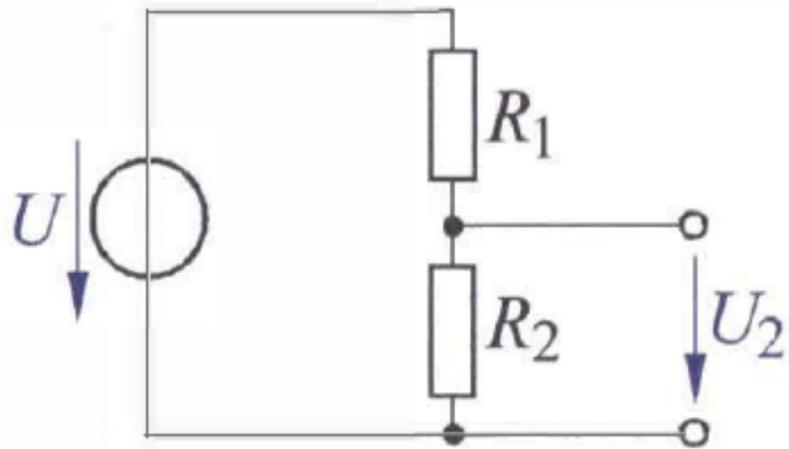
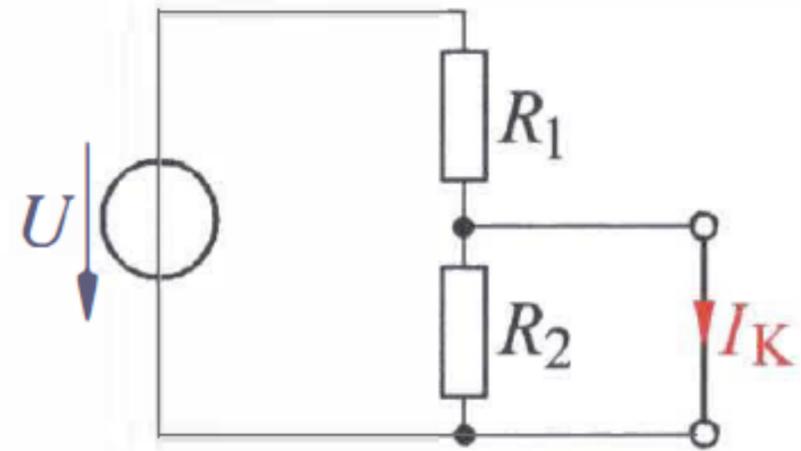


a)



b)

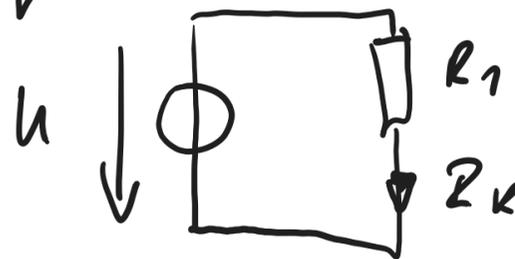


$$U = R \cdot I$$

$$I_K = 1 \text{ A}, U = 60 \text{ V}$$

$$R_1 = \frac{U}{I}$$

$$= \frac{60}{1} = \underline{\underline{60 \Omega}}$$



Gegeben: $U = 60 \text{ V}$
 Gesucht: R_1, R_2 für

a.) $U_2 = 10 \text{ V}$

b.) $I_K = 1.0 \text{ A}$

$$\frac{U}{U_2} = \frac{R_1 + R_2}{R_2}$$

$$\frac{60}{10} = \frac{R_1}{R_2} + 1$$

$$6 - 1 = \frac{R_1}{R_2} \Rightarrow R_2 = \frac{R_1}{5} = \underline{\underline{12 \Omega}}$$