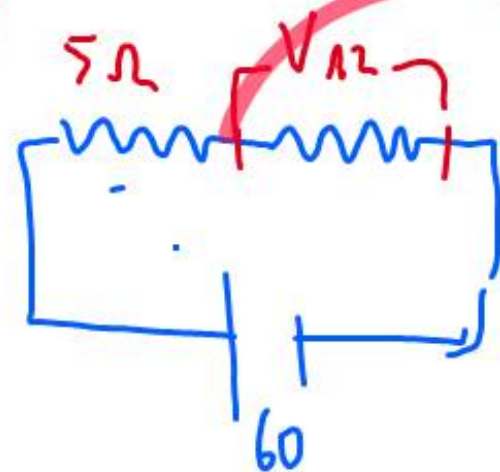


$$\frac{1}{R_T} = \frac{1}{10} + \frac{1}{2} \Rightarrow R_T = 1,66 \Omega$$

$$R_T = R_T + 5 \Omega = 6,66 \Omega$$

$$V = IR \Rightarrow I = \frac{V}{R} = \frac{60}{6,66} = 9 \text{ A}$$

9.22



$$V_{12} = I_T \cdot R_T = 9 \cdot 1,66 = 15 \text{ V}$$



$$I_1 = \frac{V_{12}}{10} = \frac{15}{10} = 1,5 \text{ A}$$

$$I_2 = \frac{V_{12}}{2} = \frac{15}{2} = 7,5 \text{ A}$$

$$P_{10\Omega} = 10 \Omega \cdot I_1^2 = 10 \cdot 1,5^2 = 22,5 \text{ W}$$

$$c d t = e = R \cdot I \rightarrow \boxed{f \frac{2l}{A} \cdot I}$$

$$1 \xrightarrow[50\%]{30\%} 2$$

$$R = f \cdot \frac{l}{A}$$

R B T E

$$V \cdot e\%$$

$$V \cdot e\% = f \frac{2l}{A} \cdot I$$

$$A = \frac{f \cdot 2l \cdot I}{\frac{V e\%}{100}}$$

$$c d t = e = \frac{V \cdot e\%}{100}$$

$$e = \frac{230 \cdot 3}{100} = 6,9 \text{ V}$$