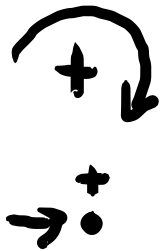


$$R = ?$$

$$V = 12\text{V}$$

$$i = 10\text{mA} = 0,010\text{A}$$

$$V_L = 2\text{V}$$



$$V - V_R - V_L = 0$$

$$12 - V_R - 2 = 0$$

$$10 - V_R = 0$$

$$10 = V_R \dots V_R = 10\text{V}$$

$$V = iR$$

$$i \cdot R = 10\text{V}$$

$$R = \frac{10\text{V}}{i} = \frac{10}{0,01\text{A}}$$

$$= 1000\Omega$$

$$\underline{\underline{1\text{k}\Omega}}$$