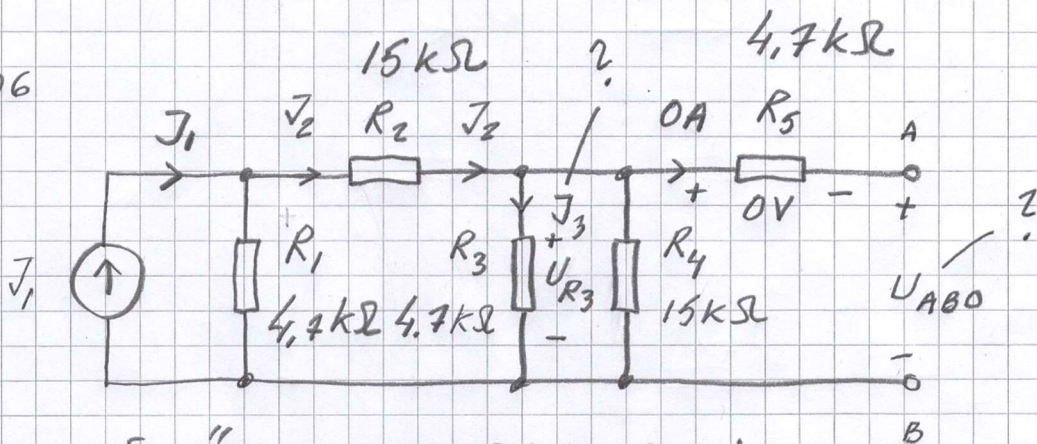


06



STRÖMTEILUNGSLAGEN

$$J_3 = J_2 \cdot \frac{R_4}{R_3 + R_4} \dots (1)$$

$$J_2 = J_1 \cdot \frac{R_1}{R_1 + \left( R_2 + \frac{R_3 \cdot R_4}{R_3 + R_4} \right)} \dots (2)$$

$$(2) \Rightarrow J_2 \approx 10,1 \text{ mA}$$

$$\text{in s (1)} \Rightarrow J_3 \approx 7,7 \text{ mA}$$

$$U_{ABO} = U_{R4} = U_{R3} = R_3 \cdot J_3$$

$$\uparrow$$

$$\text{TY } U_{R5} = 0$$

$$\Rightarrow \underline{U_{ABO} \approx 36 \text{ V}}$$