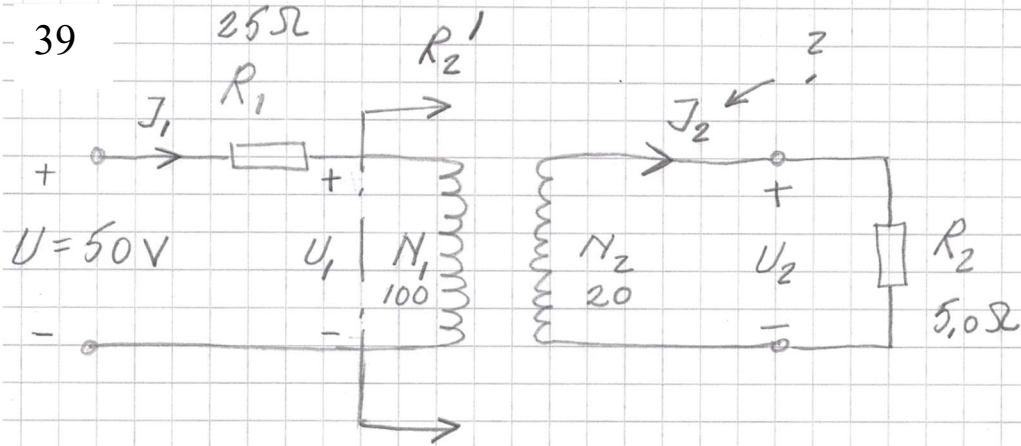


39



$$\frac{J_2}{J_1} = \frac{N_1}{N_2} \dots (1)$$

$$J_1 = \frac{U}{R_1 + R_2'} \dots (2)$$

$$\frac{R_2'}{R_2} = \left( \frac{N_1}{N_2} \right)^2 \dots (3)$$

$$(3) \Rightarrow \frac{R_2'}{5,0} = \left( \frac{100}{20} \right)^2 \Rightarrow R_2' = 125 \Omega$$

$$(2) \Rightarrow J_1 = \frac{50}{25 + 125} \approx 0,333 \text{ A}$$

$$(1) \Rightarrow \frac{J_2}{0,333} \approx \frac{100}{20} \Rightarrow J_2 \approx 1,7 \text{ A}$$