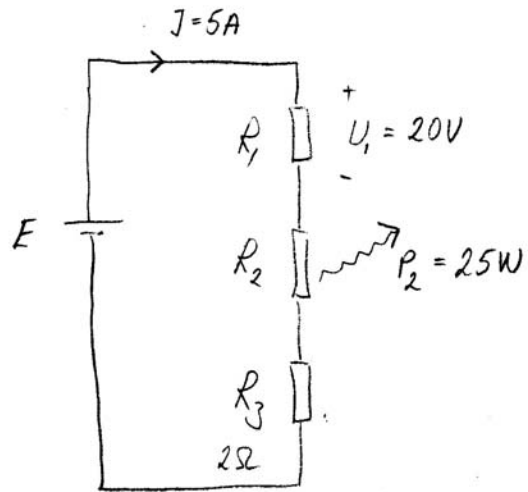


A2.1



$$E = R_{TOT} \cdot J \quad \dots (1)$$

$$R_{TOT} = R_1 + R_2 + R_3$$

$$R_1 = \frac{U_1}{J} \Rightarrow R_1 = 4\Omega$$

$$P_2 = R_2 \cdot J^2 \Rightarrow R_2 = 1\Omega$$

$$\text{INS } , (1) \Rightarrow E = (4 + 1 + 2) \cdot 5 \text{ V} = 35 \text{ V}$$