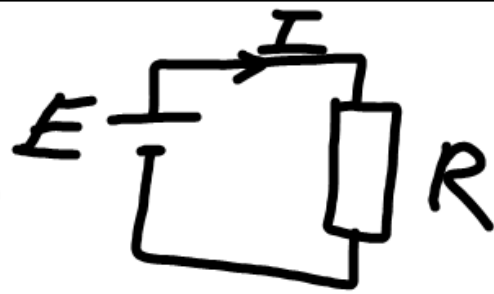


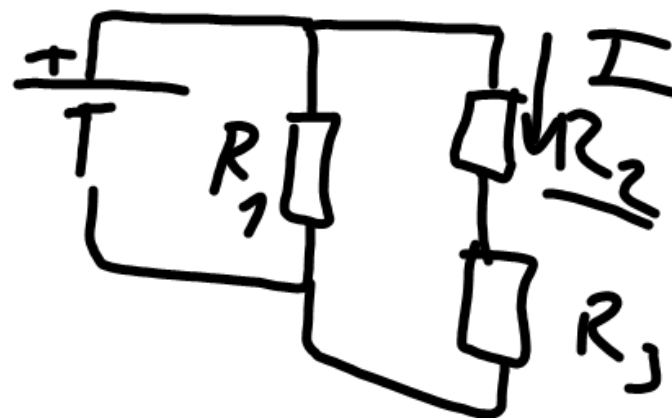
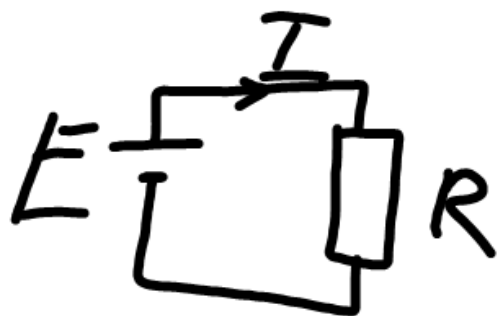
$$P = \frac{A}{t} = \frac{Q \cdot U}{t} = I \cdot U$$

$A = F \cdot d$
 $= q \cdot E \cdot d$
 $= Q \cdot U$

$I = \frac{Q}{t}$

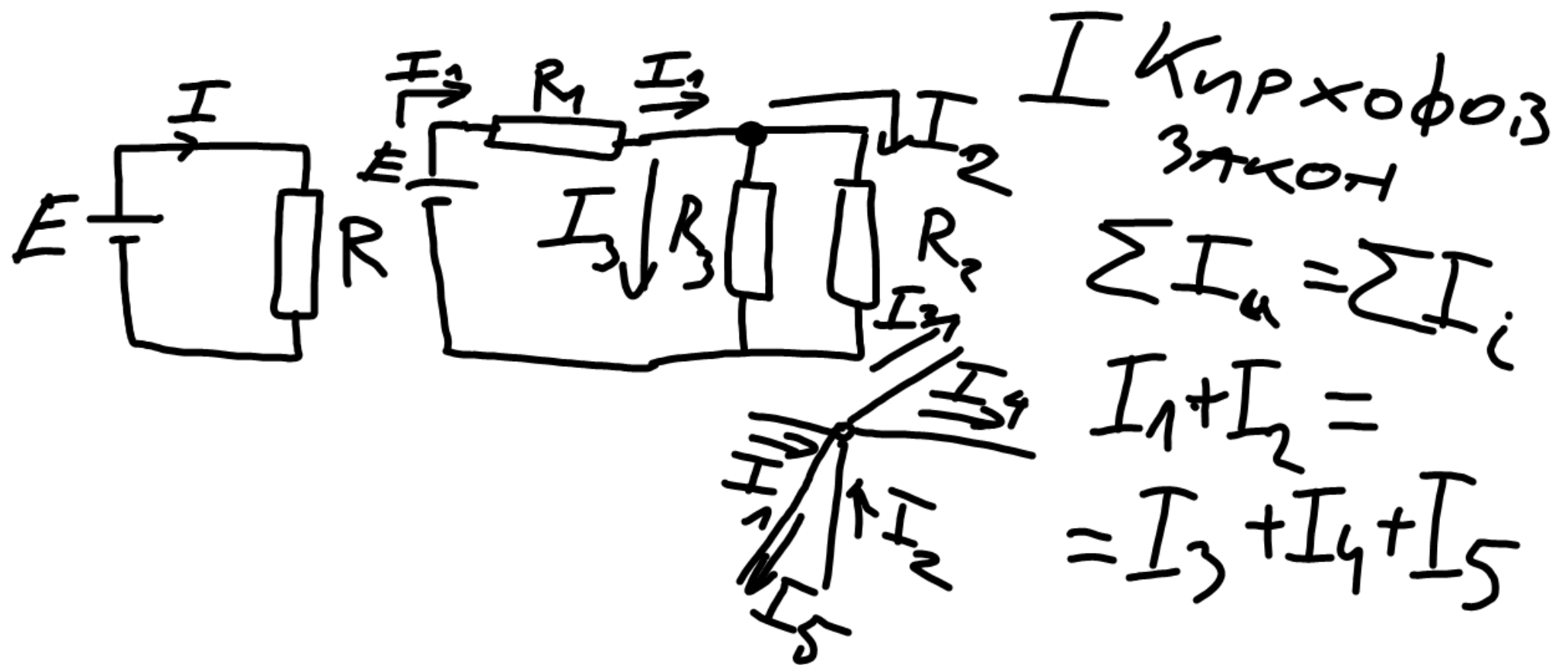
$P = I \cdot U$
 $P = \frac{U}{R} \cdot U = \frac{U^2}{R}$

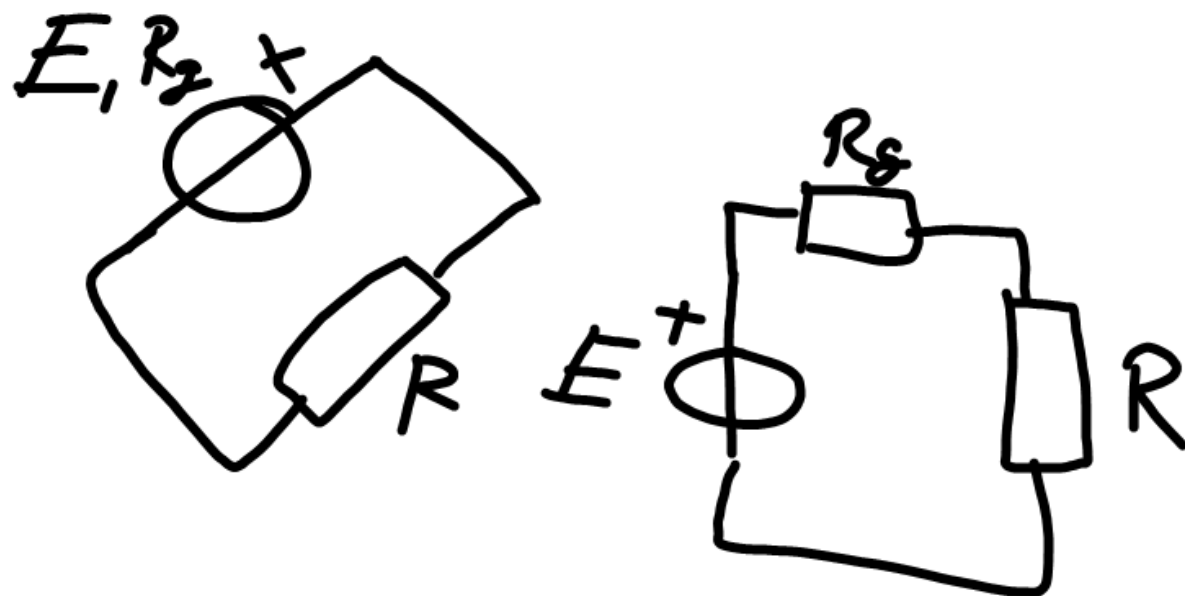


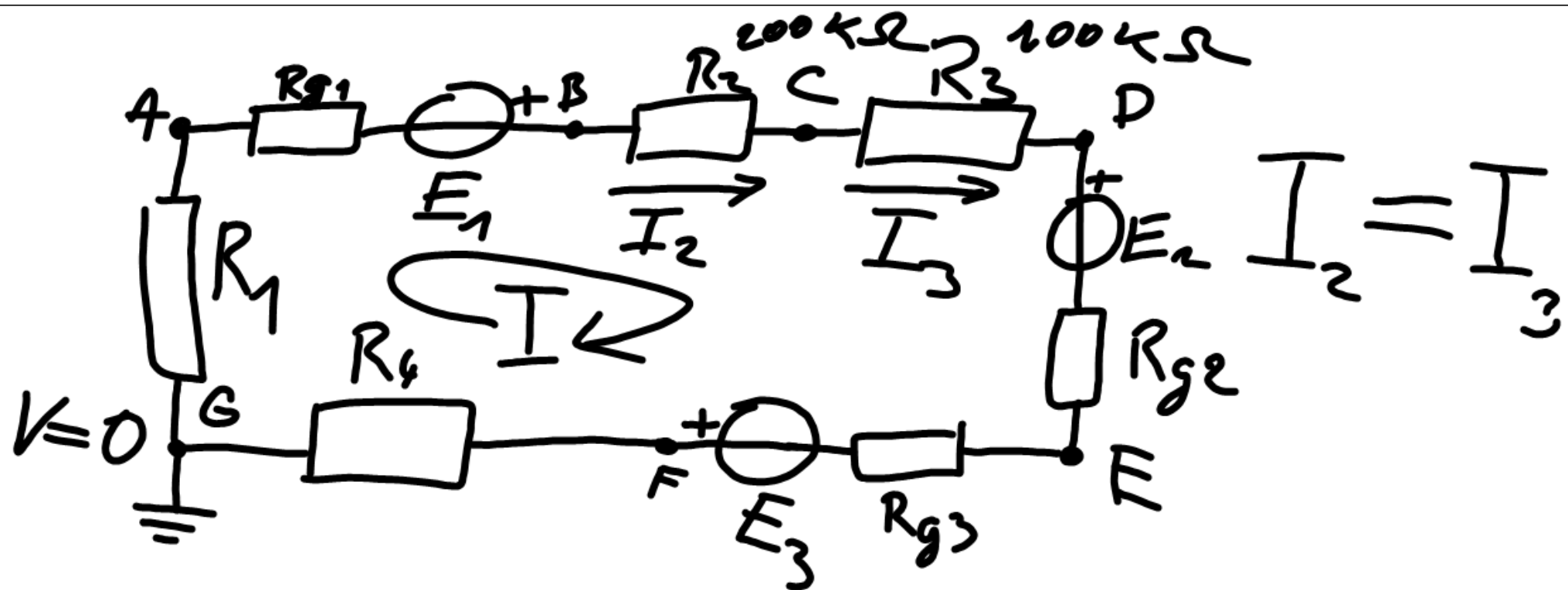


$$P = \underline{I} \cdot U = I \cdot I \cdot R = \underline{I}^2 \cdot R$$

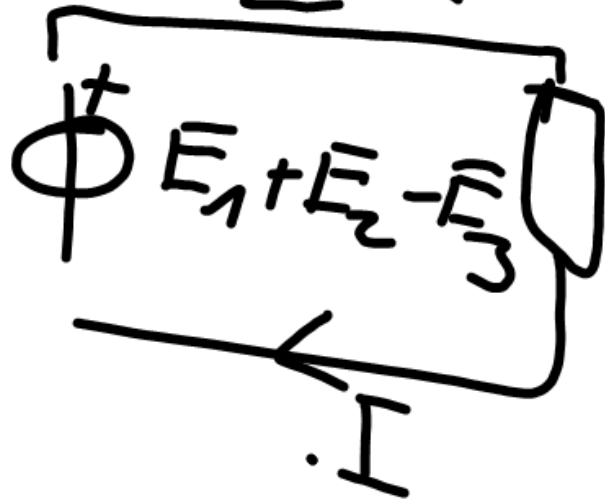
$$= \frac{U}{R} \cdot U = U^2 / R$$

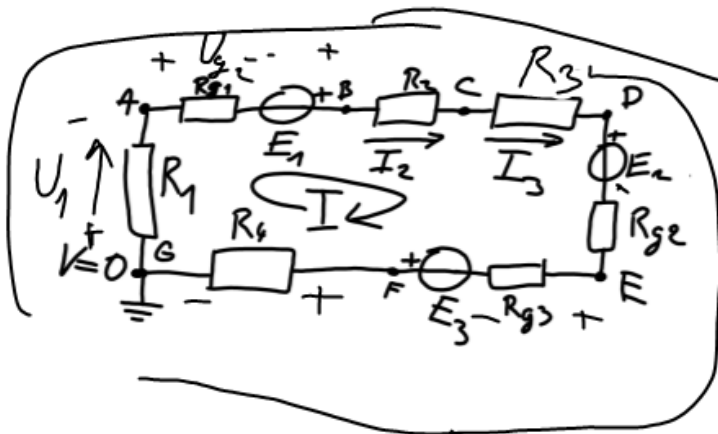






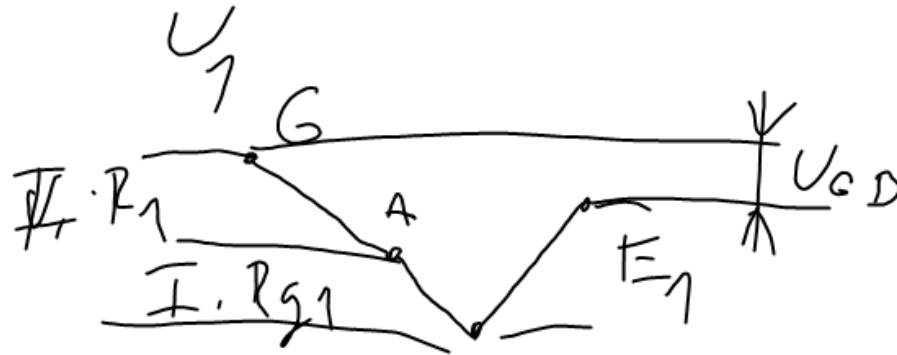
$$I = \frac{\sum E_i}{\sum R} = \frac{E_1 + E_3 - E_2}{R_1 + R_2 + R_3 + \dots + R_n + R_{g1} + R_{g2} + R_{g3}}$$

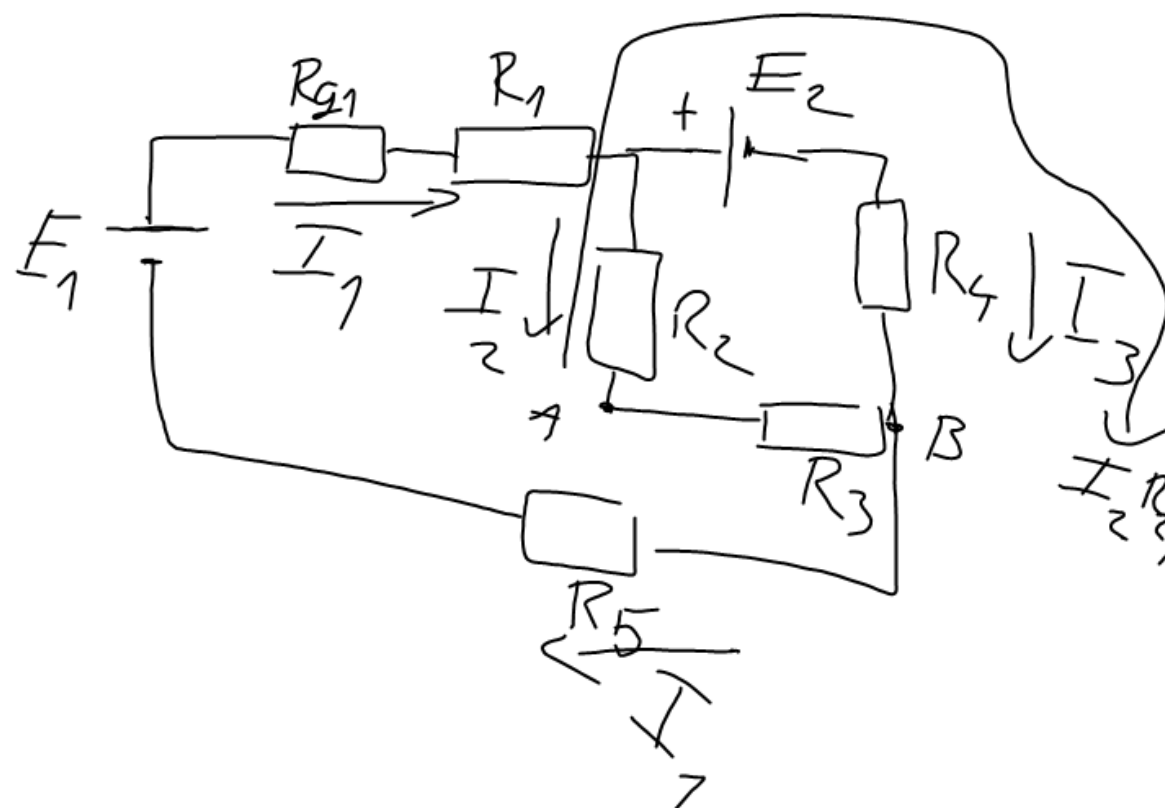




$$U_{GB} = \underbrace{I \cdot R_1 + I \cdot R_{S1}} - E_1$$

$$U_{GB} - I R_4 + E_3 - I \cdot R_{S3} - I \cdot R_{S2} - E_2 - I \cdot R_3 - I \cdot R_2$$





$$U_{AB} = -I_2 \cdot R_2 + E_2 + I_3 \cdot R_4$$

$$I_2 R_2 + E_2 + I_3 R_4$$