

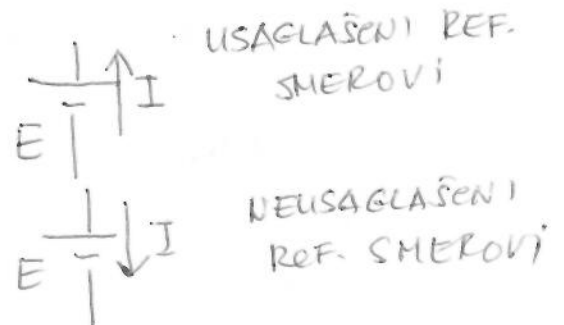
Energetska jednačina

$$E \cdot I \cdot dt = R_1 \cdot I^2 \cdot dt + R \cdot I^2 \cdot dt \quad / : I \cdot dt$$

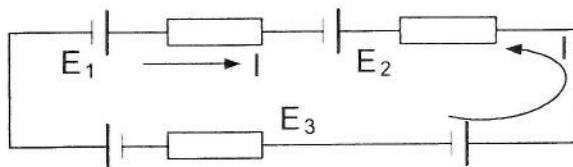
$$E = (R_1 + R) \cdot I$$

$$I = \frac{E}{R + R_1}$$

Omova zakon za prosto kolo



### PROSTO KOLO SA VIŠE ELEKTROMOTORNIH SILA I POTROŠAČA



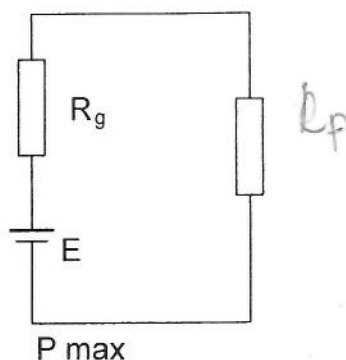
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$$E_1 \cdot I \cdot dt + E_2 \cdot I \cdot dt - E_3 \cdot I \cdot dt + E_4 \cdot I \cdot dt = R_1 \cdot I^2 \cdot dt + R_2 \cdot I^2 \cdot dt + R_3 \cdot I^2 \cdot dt \quad / : I \cdot dt$$

$$E_1 + E_2 - E_3 + E_4 = (R_1 + R_2 + R_3) \cdot I$$

$$I = \frac{\sum E}{\sum R}$$

Prilagođenje prijemnika po snazi  
(dobijanje maksimalne snage prijemnika)



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