

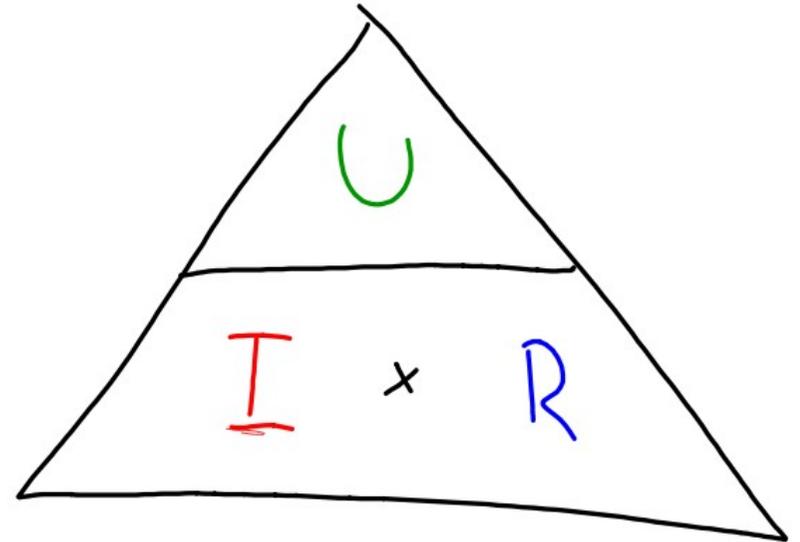
OHm's LOV

$$\text{SPENDING} = \text{STROM} \times \text{MODSTAND}$$

$$U = I \times R$$

$$I = \frac{U}{R}$$

$$R = \frac{U}{I}$$



ORDEN

①
HVAD

②
HVORDAN

③
VÆRDIER

④
RESULTAT

⑤
ENHED
(PREFIX)

$$U = I \times R = 10 \times 50 = \underline{\underline{500}} \quad V$$

① HVAD VIL VI FINDE?

② HVORDAN VIL VI FINDE?

③ MED HVILKE VÆRDI'EN?

④ RESULTATET

⑤ ENHED (EVT. PREFIX)

VIGTIGT!

$$I = 7A$$

$$R = 500\Omega$$

$$U = I \times R = 7 \times 500 = 3500V \\ \approx \underline{\underline{3,5kV}}$$

$$I = 16A$$

$$U = 230V$$

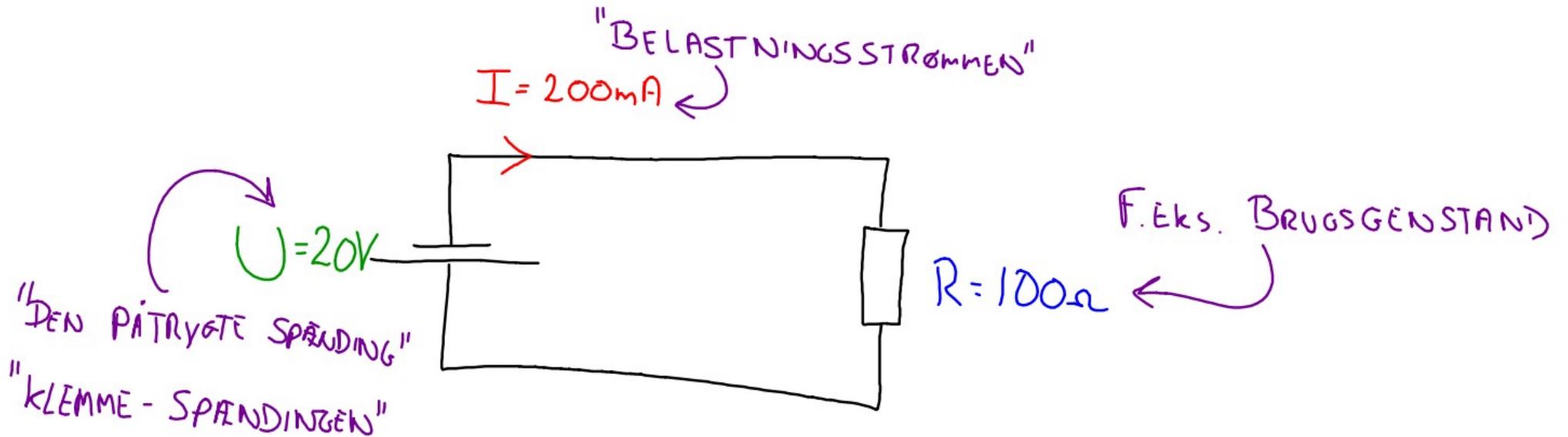
$$R = \frac{U}{I} = \frac{230}{16} = \underline{\underline{14,38\Omega}}$$

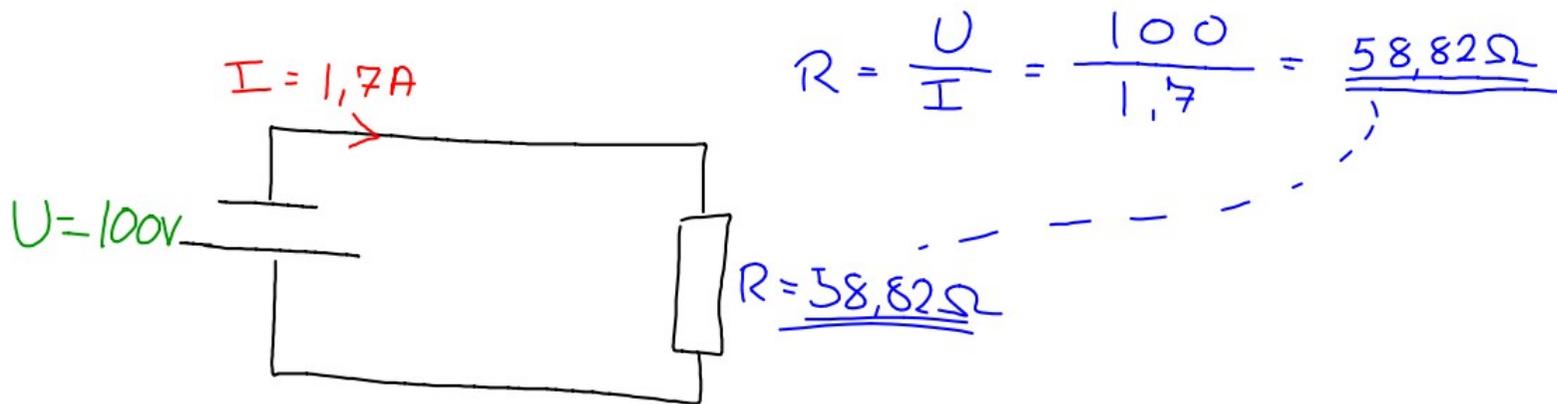
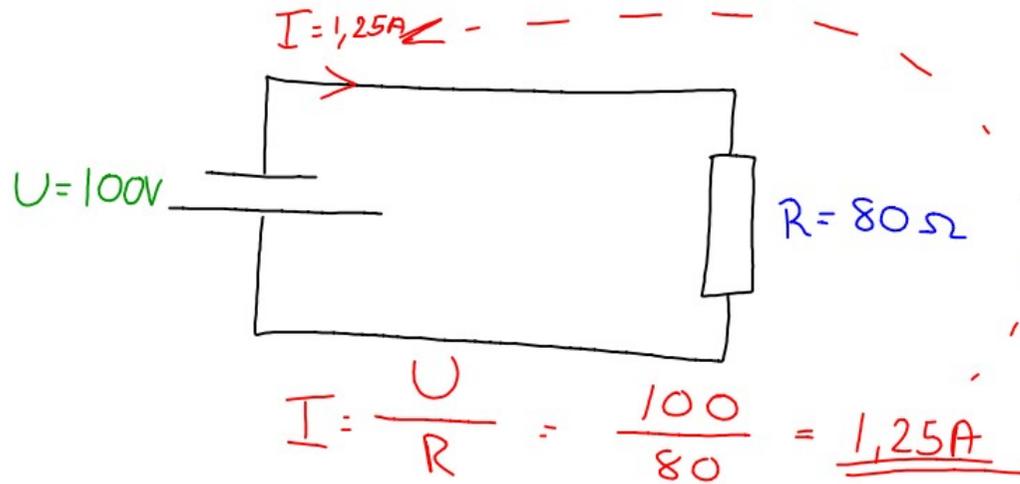
$$R = 100\Omega$$

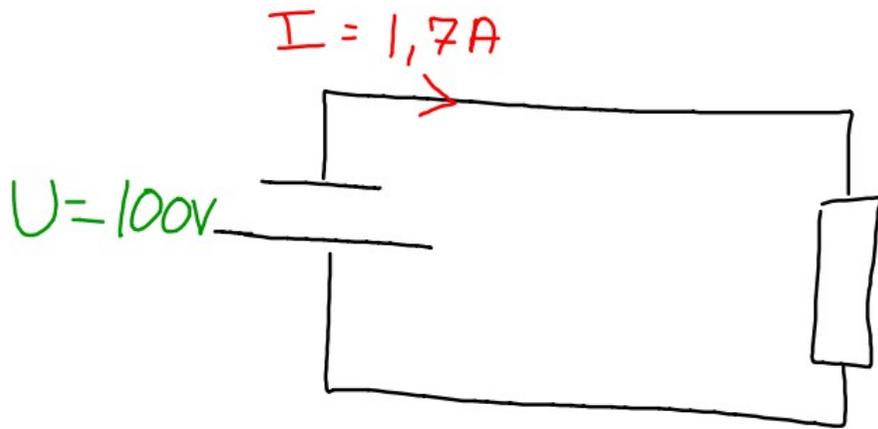
$$U = 20V$$

$$I = \frac{U}{R} = \frac{20}{100} = 0,2A \approx \underline{\underline{200mA}}$$

KREDSLØB







$$R = \frac{U}{I} = \frac{100}{1,7} = \underline{\underline{58,82\Omega}}$$

$$R = \underline{\underline{58,82\Omega}}$$