opgave 3.8

$R := 52.9\Omega$

$U := 230V$

$$R_{res} := \begin{pmatrix} 2 \cdot R \\ R \\ \frac{R^2}{2R} \end{pmatrix}$$

$$R_{res} = \begin{pmatrix} 105.8 \\ 52.9 \\ 26.45 \end{pmatrix} \Omega$$

$$P := \frac{U^2}{R_{res}}$$

$$P = \begin{pmatrix} 500 \\ 1000 \\ 2000 \end{pmatrix} W$$