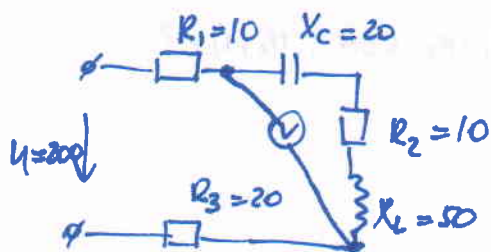


## Задача 2



$$i = \frac{U}{Z} = \frac{200}{50} = 4 \text{ A}$$

$$Z = \sqrt{(R_1 + R_2 + R_3)^2 + (X_L - X_C)^2} = \sqrt{40^2 + 30^2} = 50 \text{ Ohm}$$

$$U_{ab} = i \cdot \sqrt{R_2^2 + (X_L - X_C)^2} = 4 \cdot \sqrt{10^2 + 30^2} = 126,5 \text{ B}$$

$$U_{R1} + U_{ab} + U_{R3} = U$$

Синусоидический:

