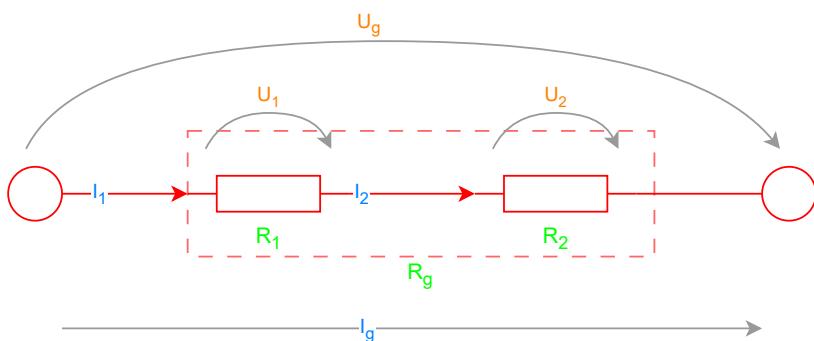


# Elektrische Schaltung

**Kenngrößen**

$$P_g = P_1 + P_2 [+ P_3]$$

Reihenschaltung



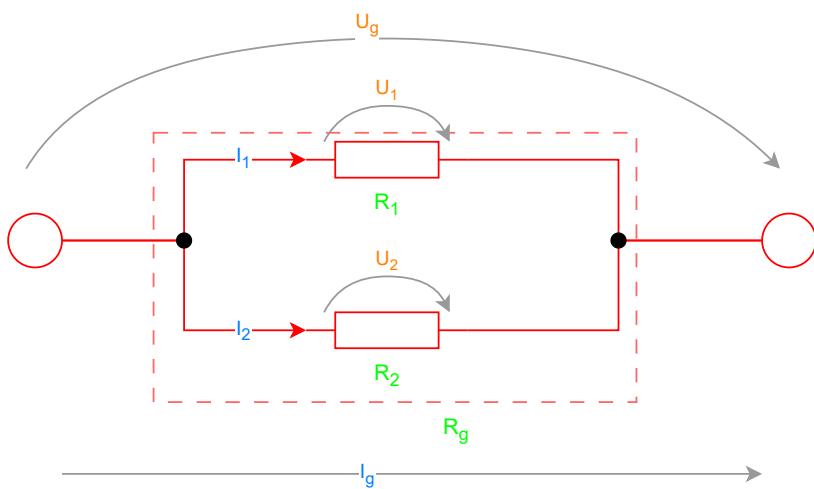
**Kenngrößen**

$$R_g = R_1 + R_2$$

$$U_g = U_1 + U_2$$

$$I_g = I_1 = I_2$$

Parallelschaltung



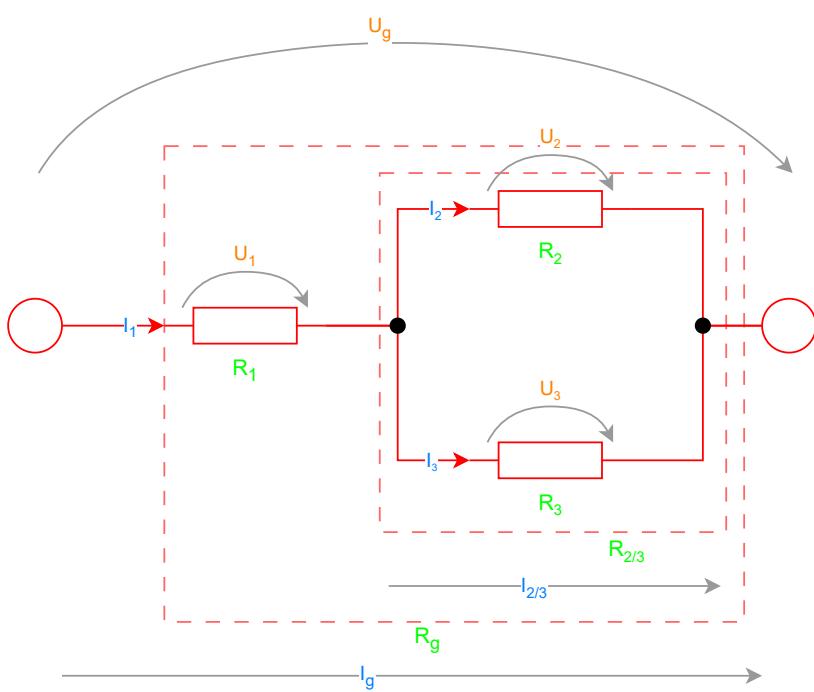
**Kenngrößen**

$$1/R_g = 1/R_1 + 1/R_2$$

$$U_g = U_1 = U_2$$

$$I_g = I_1 + I_2$$

Mischschaltung



**Kenngrößen**

$$1/R_{2/3} = 1/R_2 + 1/R_3$$

$$R_g = R_1 + R_{2/3}$$

$$U_{2/3} = U_2 = U_3$$

$$U_g = U_1 + U_{2/3}$$

$$I_{2/3} = I_2 + I_3$$

$$I_g = I_1 = I_{2/3}$$