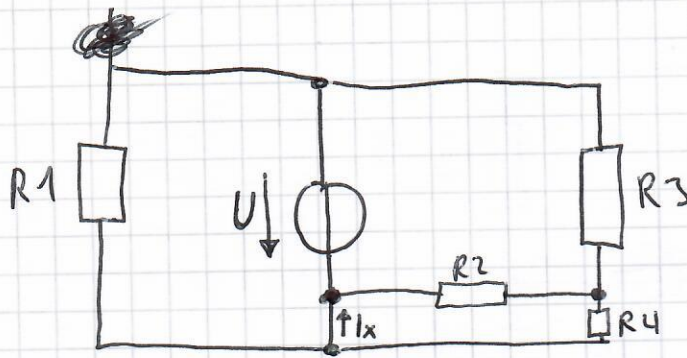




geg: $R_1 = 90\Omega$

$R_2 = 50\Omega$

$R_3 = 40\Omega$

$R_4 = 60\Omega$

$U = 48V$

$$R_3 + \frac{R_2 \cdot R_4}{R_4 + R_2} = 40\Omega + \frac{50\Omega \cdot 60\Omega}{60\Omega + 50\Omega} = \underline{\underline{67,27\Omega}}$$

$R_{234} = 67,27\Omega$

R_{234} ist parallel zu R_1

$$\frac{67,27\Omega \cdot 90\Omega}{90\Omega + 67,27\Omega} = \underline{\underline{38,49\Omega}}$$

$R_g = 38,49\Omega$ $\Leftarrow$