

Lösung

1

$R_0 = 2 \, \Omega$;
 $R_1 = 1 \, \Omega$;
 $R_2 = 3 \, \Omega$; $R_6 = R_2 + R_3$;
 $R_3 = 1 \, \Omega$; $R_7 = 1 / (1 / R_6 + 1 / R_3)$;
 $R_4 = 2 \, \Omega$;
 $R_5 = 2 \, \Omega$; $R_8 = 1 / (1 / R_4 + 1 / R_5)$;
 $U = 2 * 4.5 \, V$

9. V

$R = R_0 + R_7 + R_8$

$\frac{19 \, \Omega}{5}$

N[%]

3.8 Ω

$\text{Strom} = U / R \quad / . \quad V / \Omega \rightarrow A$

2.36842 A