

$$R_{4,5} = \frac{R_4 R_5}{R_4 + R_5}$$

$$R_{3,4,5} = R_3 + R_{4,5}$$

$$R_{2,3,4,5} = \frac{R_2 R_{3,4,5}}{R_2 + R_{3,4,5}}$$

$$R_{\text{ges}} = R_1 + R_{2,3,4,5}$$

$$I_{\text{ges}} = \frac{U_{\text{q}}}{R_{\text{ges}}}$$

$$I_3 = I_{\text{ges}} \frac{R_2}{R_2 + R_{3,4,5}}$$

$$I_4 = I_3 \frac{R_5}{R_4 + R_5}$$