3.) $R = \frac{R_1 R_2}{R_1 + R_2}$

$R_1 = 450\Omega \pm 2\Omega$

$R_2 = 150\Omega \pm 1\Omega$

$R = 112{,}5\Omega$

$$f_{R1} = \frac{R_2}{R_1+R_2} - \frac{R_1 R_2}{(R_1+R_2)^2}$$

$$f_{R2} = \frac{R_1}{R_1+R_2} - \frac{R_1 R_2}{(R_1+R_2)^2}$$

$$dR = \left[\frac{R_2}{R_1+R_2} - \frac{R_1 R_2}{(R_1+R_2)^2}\right] dR_1 + \left[\frac{R_1}{R_1+R_2} - \frac{R_1 R_2}{(R_1+R_2)^2}\right] dR_2$$

$dR = (0{,}0625 \cdot 2) + (0{,}5625 \cdot 1)$

$\underline{dR = 0{,}6875\Omega}$

~~$dR = 0{,}006\dot{1}$~~

$\delta R = \frac{0{,}6875\Omega}{112{,}5\Omega} \cdot 100\,\% \approx 0{,}6\dot{1}\,\%$