

BONUS → SENSIBILIDAD

$$S_c^{w_0} = \frac{C}{w_0} \cdot \frac{dw_0}{dC}$$

$$w_0 = \frac{1}{R_3 C}$$

$$\frac{dw_0}{dC} = -\frac{1}{R_3 C^2}$$

$$S_c^{w_0} = \frac{C}{w_0} \cdot \left(-\frac{1}{R_3 C^2}\right) = \cancel{R_3 C^2} \cdot \left(-\frac{1}{\cancel{R_3 C^2}}\right) = -1$$

$$\boxed{S_c^{w_0} = -1}$$

$$S_{R_2}^Q = \frac{R_2}{Q} \cdot \frac{dQ}{dR_2}$$

$$Q = \frac{R_2}{R_3}$$

$$\frac{dQ}{dR_2} = \frac{1}{R_3}$$

$$S_{R_2}^Q = \frac{R_2}{R_2} \cdot \frac{R_3}{R_3} = 1$$

$$\boxed{S_{R_2}^Q = 1}$$

$$S_{R_3}^Q = \frac{R_3}{Q} \cdot \frac{dQ}{dR_3}$$

$$Q = \frac{R_2}{R_3}$$

$$\frac{dQ}{dR_3} = -\frac{R_2}{R_3^2}$$

$$S_{R_3}^Q = \frac{R_3}{R_2} \cdot \left(-\frac{R_2}{R_3^2}\right) = -1$$

$$\boxed{S_{R_3}^Q = -1}$$