Para que la red cample son T2(1):

$$T(s) = -\frac{R^3}{R_1} \frac{1}{s^2 + s\frac{1}{2} + 1} = T_2(s) = \frac{1}{s^2 + s\sqrt{2} + 1}$$

Si desestimo el (-) que solo afecta a la faire:
$$R_1 = R_3$$

$$\frac{1}{2} = \sqrt{2} \quad ; \quad q = \frac{1}{\sqrt{2}} = \frac{\sqrt{2}}{2} = \frac{R_2}{R_3} \quad ; \quad R_2 = \frac{\sqrt{2}}{2} R_3$$

$$\rightarrow$$
 Ademies como $\omega_0 = 1$; $\omega_0 = \frac{1}{R_3C}$; $C = \frac{1}{R_3}$

$$R_{2-n} = \frac{\sqrt{2}}{2} \frac{R_3}{\Omega_{2}} = \frac{\sqrt{2}}{2} \frac{R_3^2}{R_3^2} = \frac{\sqrt{2}}{2}$$