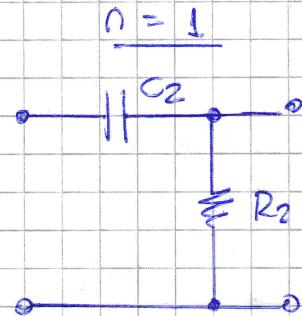
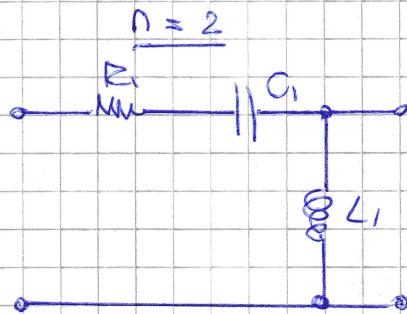


(4)

PUNTO (3)

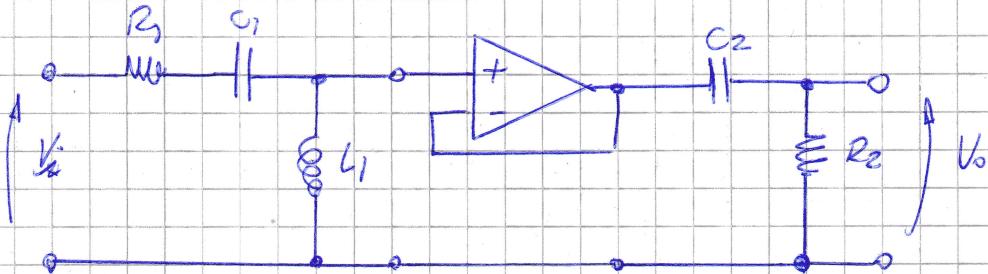
La red pasiva más básica que genera un polo after es:



$$T_2(s) = \frac{s^2}{s^2 + \frac{R_1 s}{L_1} + 1/L_1 C_1}$$

$$T_1(s) = \frac{s}{s + 1/R_2 C_2}$$

$$T_3(s) = \frac{s^2}{s^2 + \frac{R_1 s}{L_1} + 1/L_1 C_1} \circ \frac{s}{s + 1/R_2 C_2} = \frac{s^2}{s^2 + 0,798s + 0,638} \circ \frac{s}{s + 0,798}$$



Defino los componentes:

$$\frac{1}{R_2 C_2} = 0,798 \quad (\underline{\omega_2 = [R_2 = 1 \Omega]})$$

$$(\underline{C_2 = 1,253}) \quad \text{Puedo hacer que } C_1 = C_2 \Rightarrow (\underline{C_1 = 1,253})$$

yo genero otro polo en otra T2(s).

$$\frac{R_1}{L_1} = 0,798 \quad \wedge \quad \frac{1}{L_1 C_1} = 0,638$$

$$\downarrow \quad L_1 = \frac{1}{0,638 \cdot 1,253} \Rightarrow \boxed{L_1 = 1,251}$$

$$R_1 = \frac{L_1}{1,251 \cdot 0,798}$$

$$\boxed{R_1 \approx 1}$$

Enteros:

