Implementación

$$T(s) = \frac{5\,\frac{G}{C}}{s^2 + \frac{G}{C}s + \frac{1}{LC}}$$

$$B = \frac{W_0}{Q} = \frac{1}{RC} \qquad W_0 = \frac{1}{LC}$$

BP1

- $R = 1\,\Omega \Rightarrow \frac{1}{C \cdot 1} = 0{,}125 \Rightarrow C = 8\,F$
- $W_0 = 1$
- $Q = 8$ $\quad \frac{1}{L \cdot 8} = 1 \Rightarrow L = 0{,}125\,H$

BP2

- $R = 1\,\Omega \Rightarrow \frac{1}{C} = 0{,}056 \Rightarrow C = 17{,}86\,F$
- $W_0 = 0{,}9$
- $Q = 16{,}074$ $\quad \frac{1}{17{,}86L} = 0{,}815 \Rightarrow L = 0{,}0687\,H$

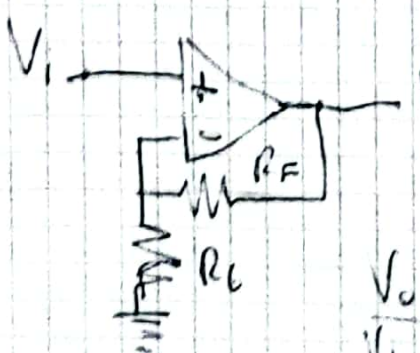
BP3

- $R = 1 \Rightarrow \frac{1}{C} = 0{,}07 \Rightarrow C = 14{,}28\,F$
- $W_0 = 1{,}1$
- $Q = 15{,}9$ $\quad \frac{1}{14{,}28L} = 1{,}226 \Rightarrow L = 0{,}057\,H$

Ganancia - Atenuación

$$G = \frac{11{,}71}{1{,}7}$$

$R_F = 10{,}71 \quad R_G = 1$



$$\frac{V_o}{V_1} = 1 + \frac{R_F}{R_G}$$