

$$R_{t} = \frac{R_{L}}{n^{2}} \Rightarrow n = \sqrt{\frac{400}{40x^{10}}} \pm 0.1$$

$$C = \frac{C_{1}C_{2}}{C_{1}+C_{2}}, n = \frac{C_{1}}{C_{1}+C_{2}} = 0.1$$

$$Q_{t} = \frac{f_{o}}{BW} = \frac{5 \times 10^{6}}{100 \times 10^{3}} = 50 = 200 =$$

$$BW = 100 \times 10^{-11} = 39.7 \times 10^{-12} = 39.7 \times 10^{-12}$$

$$\begin{cases} 39.7 \times 10^{-12} = \frac{C_1 C_2}{C_1 + C_2} \\ 0.1 = \frac{C_1}{C_1 + C_2} \end{cases} = > C_1 = ? C_2 = ?$$