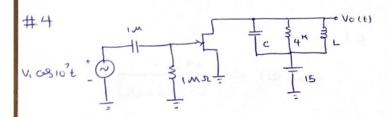


$$R_{NL} = \frac{R_0}{2\left(1 - \frac{V_0}{V_i}\right)} = \frac{R_0}{2} = 25^{K}$$

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$$Q_t = \frac{R_t}{LW_0} = \frac{R \left| \frac{R_0}{2} \right|}{LW_0} > 10 = 125$$



$$Q_{to} = \frac{Q_t Q_{tu}}{Q_{tu} - Q_t} = \frac{50(25)}{50 - 25} = 50 , \qquad Q_{to} = \frac{R_0 C \omega_0}{2} = \gamma R_0 C = \frac{2Q_{to}}{W_0} = \gamma M_0$$

$$V_{0,ac} = \frac{\Gamma_{i}}{2} \left(2R | |R_{0}| \right) = \frac{RR_{0}}{R_{+}R_{0}} \Gamma_{i}$$

$$= V_{0(t)} = \frac{RR_{0}\Gamma_{i}}{R_{+}R_{0}} \left[1 + \frac{m}{\sqrt{1 + \left(\frac{\omega_{m}}{\omega_{i}} \right)^{2}}} \right]$$

$$\frac{\int_{0,ac}^{1} \int_{0,ac}^{1} \frac{R}{2R+Ro} I_{i}}{I_{0,ac}} = \frac{\int_{0,ac}^{1} mas w_{mt}}{\frac{I_{i} mas w_{mt}}{I+2RoCo}} \Rightarrow i_{0}(t) = \frac{RI_{i}}{2+RRo} \left[1+m \sqrt{\frac{1+\left(\frac{\omega_{m}}{\omega_{z}}\right)^{2}}{1+\left(\frac{\omega_{m}}{\omega_{i}}\right)^{2}}} \right] \times \frac{I_{i}}{I_{i}}$$

$$ces\left(\omega_{m}t-\varphi_{2}\right) \qquad , \quad \omega_{2}:\frac{1}{R_{o}C_{o}} \quad , \quad \varphi_{2}:tan^{-1}\left(\frac{\omega_{m}}{\omega_{1}}\right)+tan^{-1}\left(\frac{\omega_{m}}{\omega_{2}}\right)$$

$$(I) \ m \sqrt{\frac{1 + \left(\frac{\omega_m}{\omega_2}\right)^2}{1 + \left(\frac{\omega_m}{\omega_i}\right)^2}} \le I$$

$$= \Rightarrow (III) \ m < \frac{2R(C + C_0)}{C_0(R_0 + 2R)}$$

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Ro -> Opinios -> , has julled