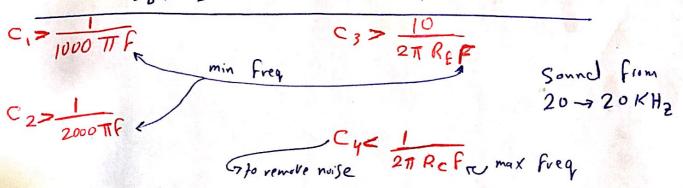


: 
$$R_{1N}(Base) = \frac{B_{oc} V_{B}}{I_{c}} = \frac{350 \times 1.2}{0.08} = 5.25 \times \Lambda$$
  
:  $R_{2} = \frac{R_{1N}(Base)}{10} = 525 \Lambda$   
:  $I_{B} = \frac{V_{B}}{R_{1N}(Base)} = \frac{I_{C}}{B_{oc}} = \frac{1.2}{3.25 \times 1.25 \times 1.25$ 

$$: I_2 = 10I_B = 2.28 \text{ mA}$$



Coopped with Compa

## 2 AC analysis

$$R_{in}(base) = le * Bac = R = 350 * 25 = 109$$

$$R_{in}(base) = R_{in}(base) ||R_i||R_2$$

$$R_{in}(base) = R_{in}(base) ||R_i||R_2$$

$$R_{in}(base) = R_{in}(base) ||R_i||R_2$$

$$\frac{R_{in}(tot)}{E} : A_{i} = \frac{I_{c}}{I_{b}} : I_{c} = \frac{V_{e}}{R_{c}} : V_{e} = A_{v} \cdot V_{in}$$

$$\therefore A_{c} = \frac{0.167}{781 \times 10^{-6}} = 213$$