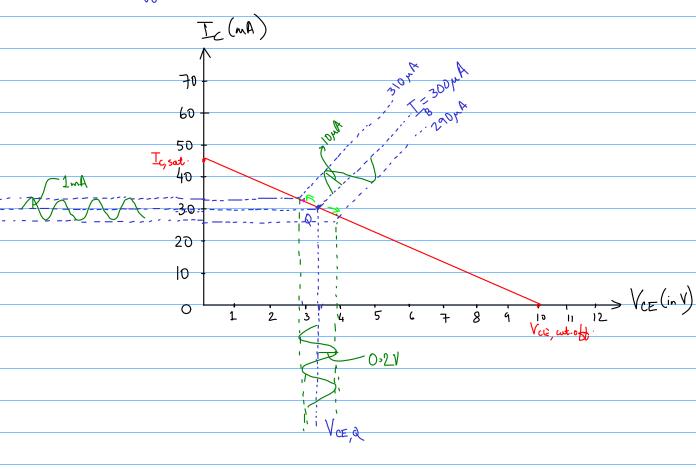


$$V_{c} = V_{cc} - I_{c}R_{c} = 10V - (30_{m}A)(220\Lambda)$$

$$\Rightarrow$$
 $V_{CE} = V_c - V_E = 3.4V - 0V = 3.4V$

$$T_{csat}$$
 = $\frac{V_{cc}}{R_c}$ = $\frac{10V}{220N}$ = $45.5mA$



Amplitude of the input base-current = 10 µA

Amplitude of the output collector-current = 2 mA

