

Output Terminal:

$$V_{CC} = I_{C}R_{C} + V_{CE}$$

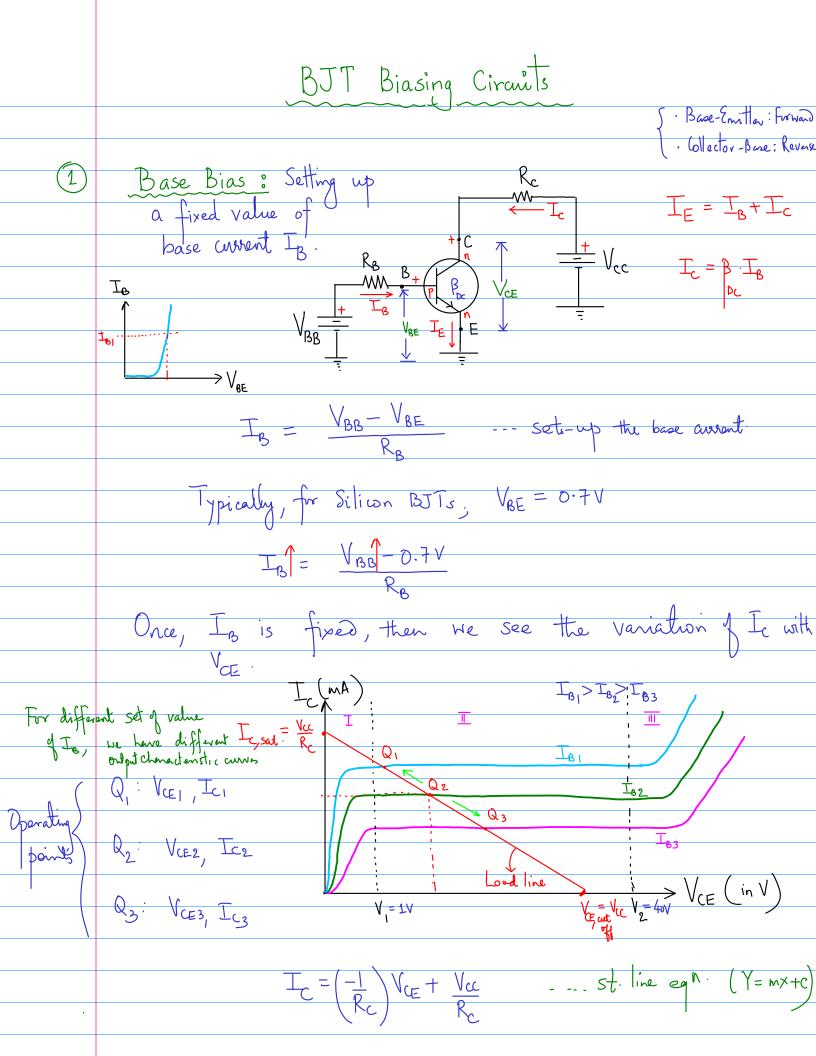
$$V_{CE} = V_{CC} - I_{C}R_{C}$$

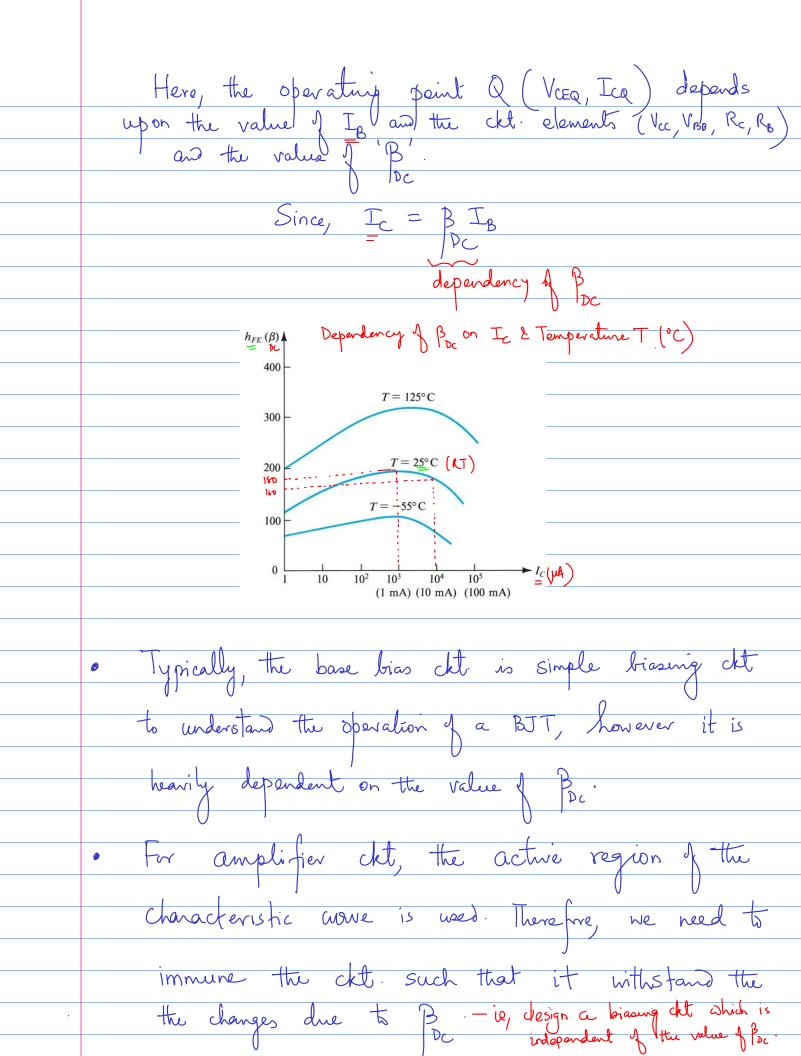
Also,
$$I_{C} = -\frac{V_{CE}}{R_{C}} + \frac{V_{CC}}{R_{C}}$$

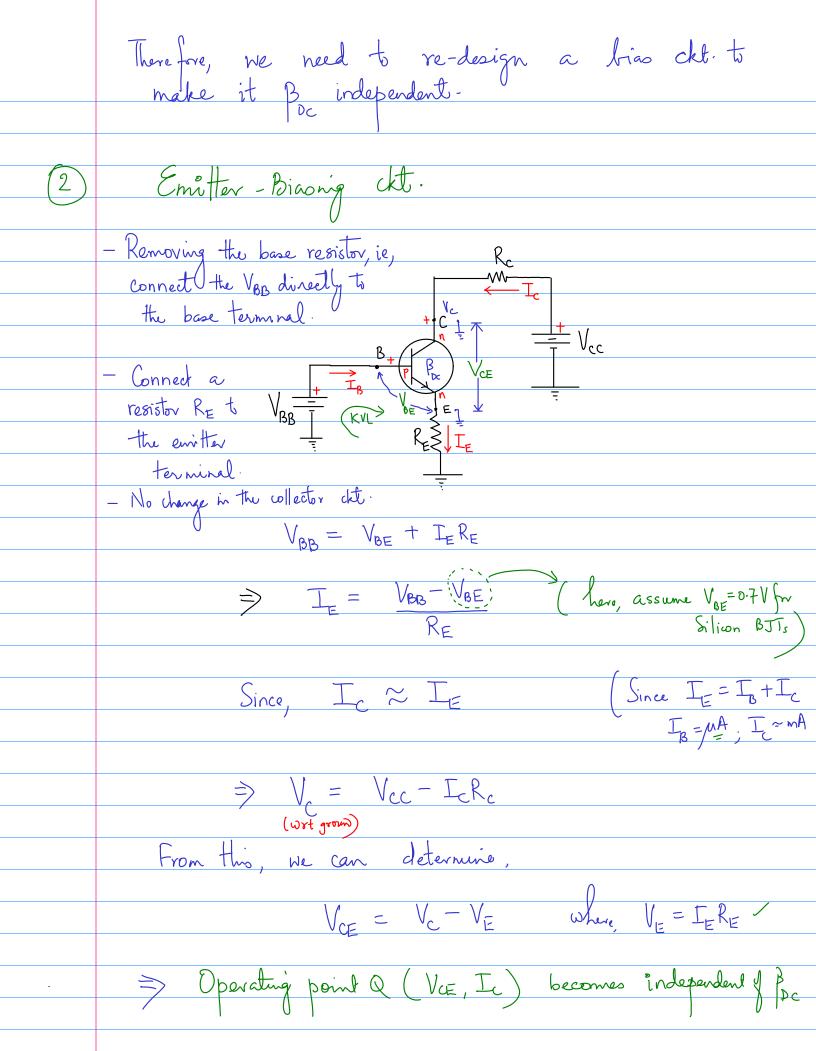
$$I_{C} = -\frac{I_{C}}{R_{C}} + \frac{I_{C}}{R_{C}}$$

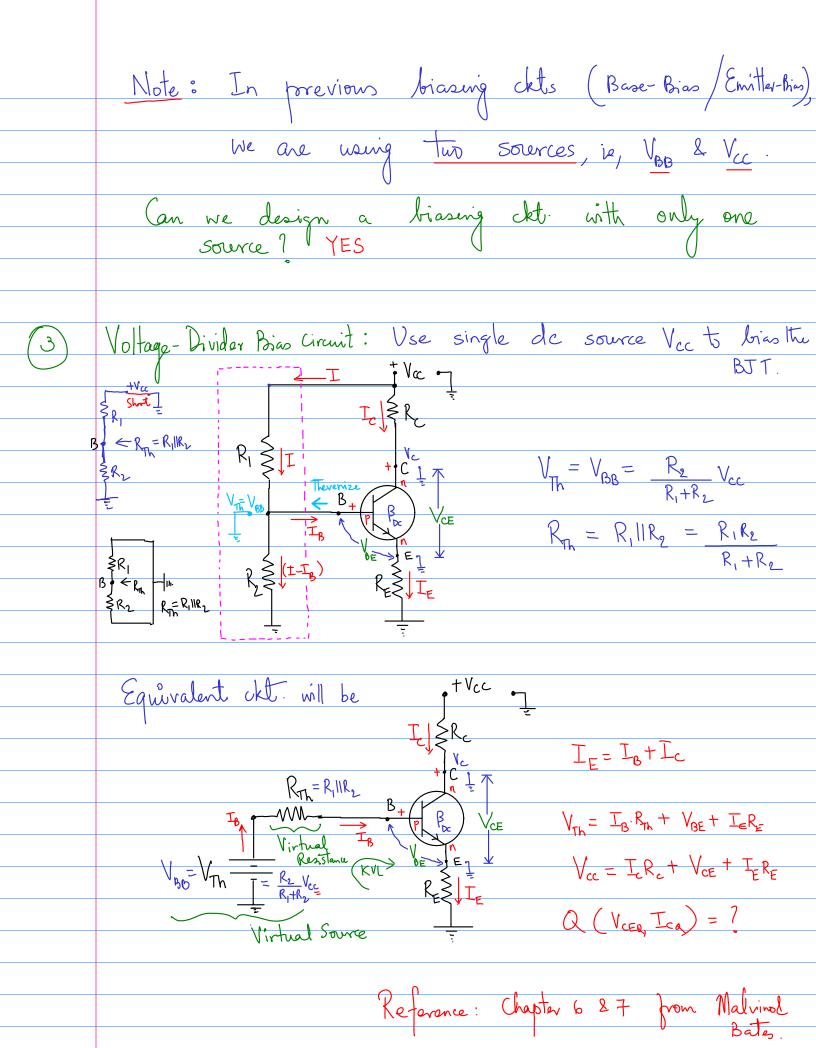
$$I_{C} = -\frac{I_{C}}{R_{C}} + \frac{I_{C}}{R_{C}} + \frac{I_{C}}{R_{C}}$$

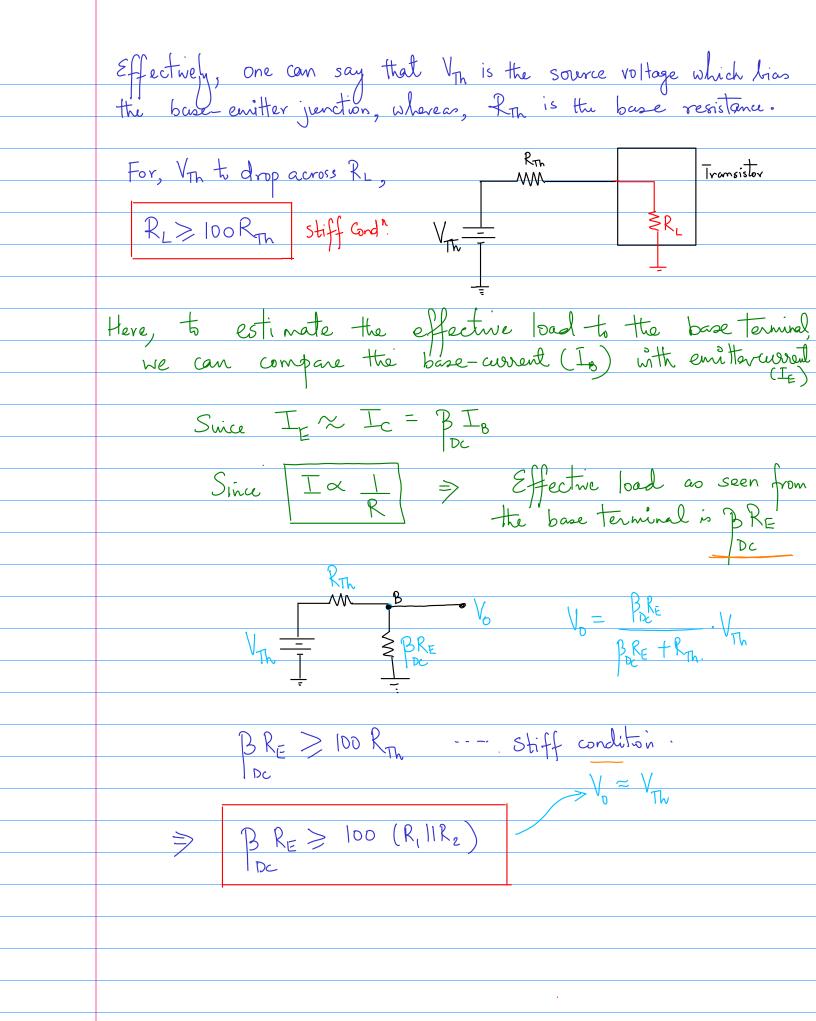
$$I_{C} = -\frac{I_{C}}{R_{C}} + \frac{I_{C}}{R_{C}} + \frac{I_{C$$











Summary: For designing a voltage-divider lies cht.

• Verify the condition for Stiff voltage Source is  $\begin{array}{c}
\mathbb{R}_E > 100 (R_1 | | R_2) \\
\mathbb{R}_E > 100 (R_1 | | R_2)
\end{array}$ •  $I_C = I_E$ •  $I_C = I_C$ 

