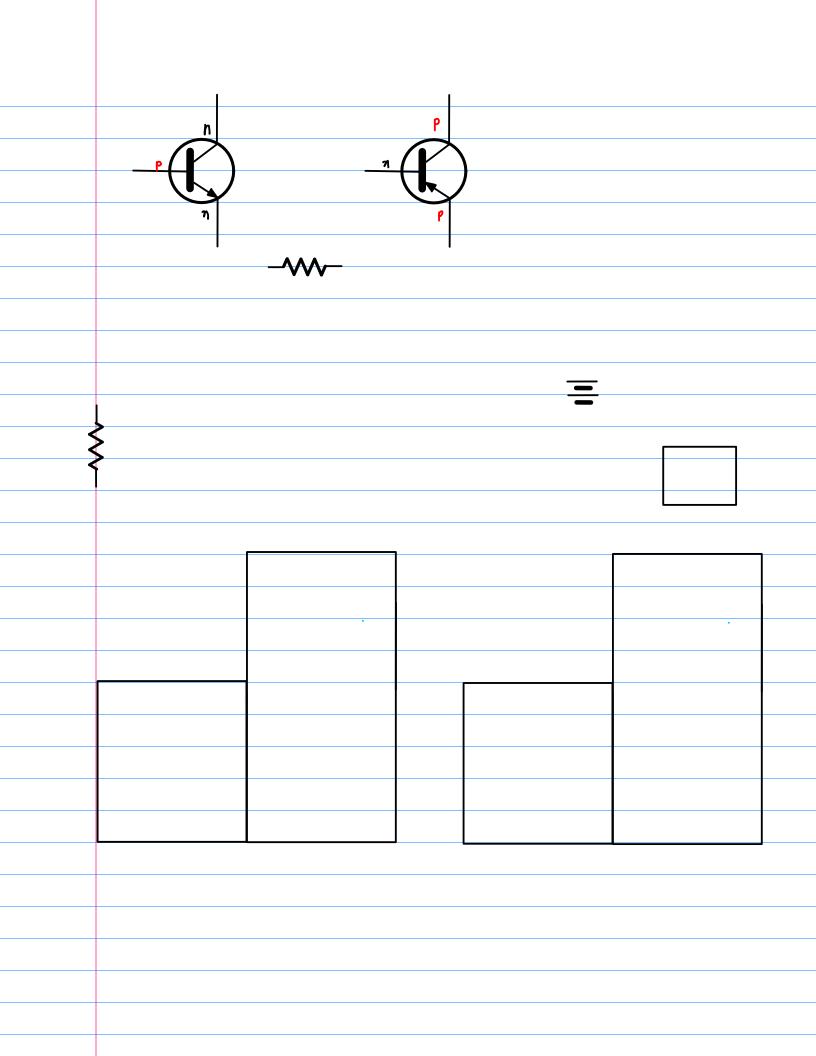
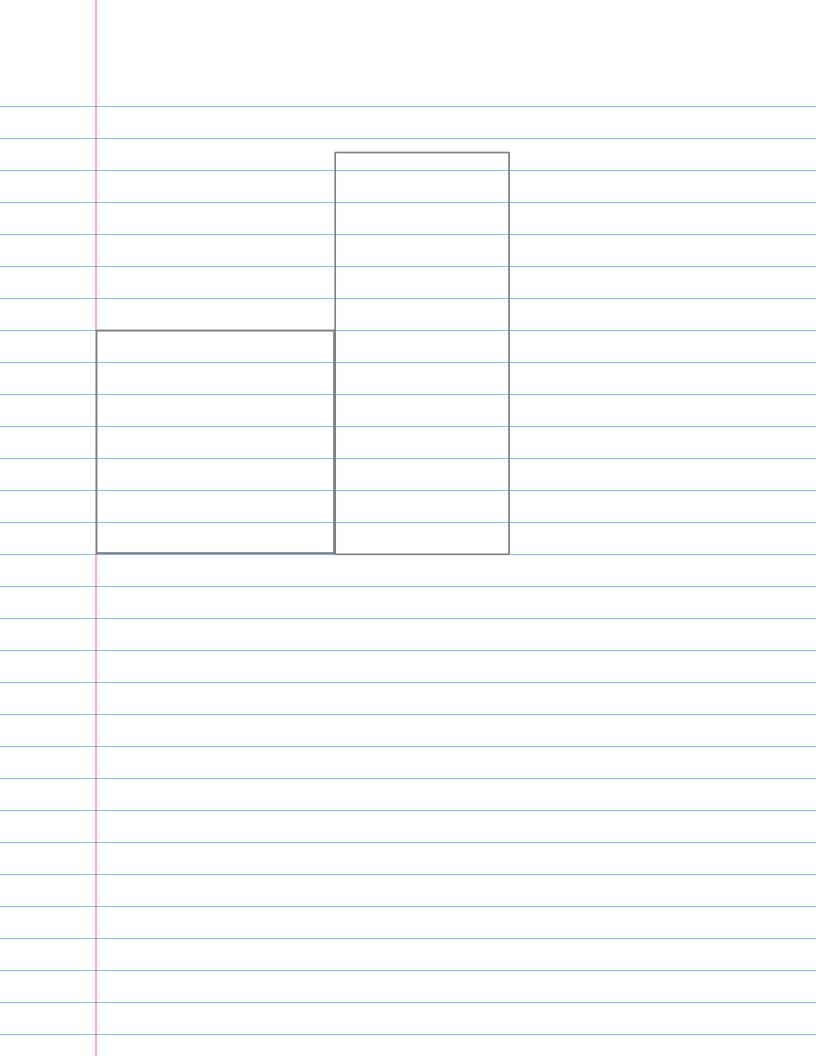
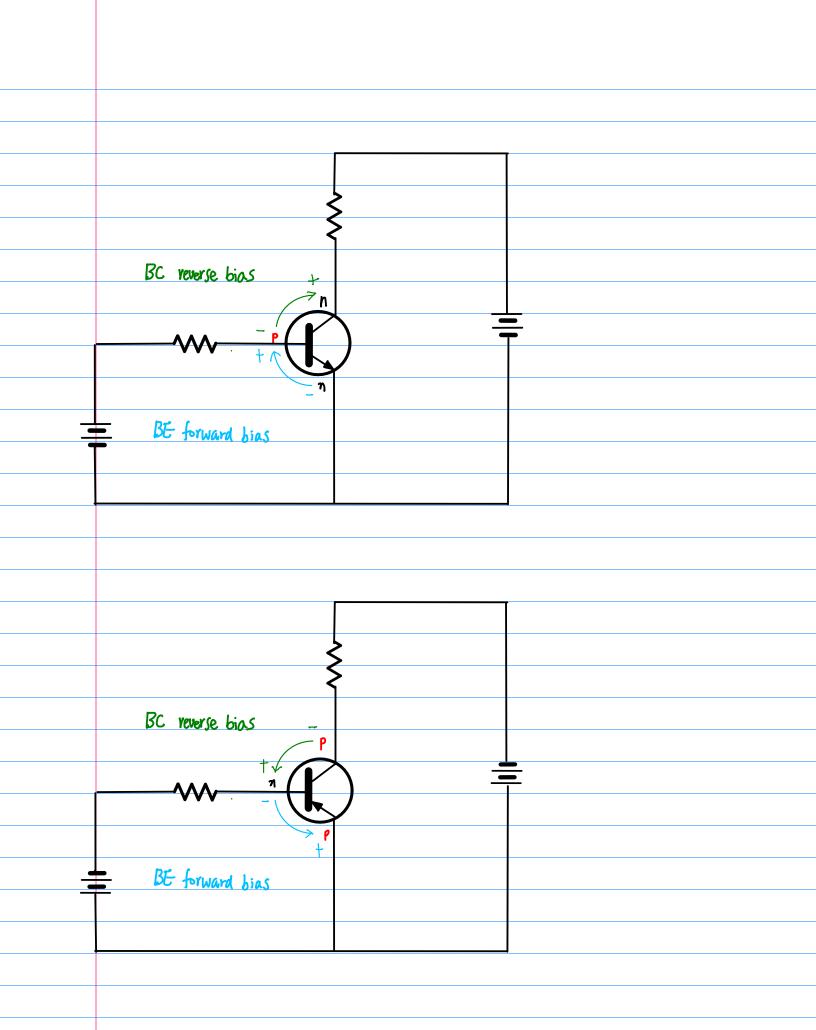
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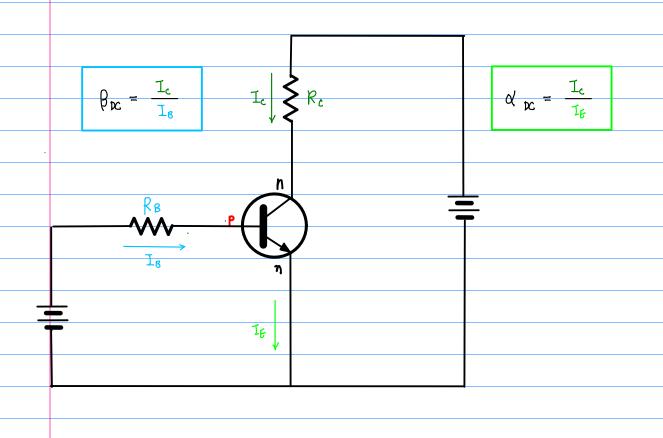
·	References
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	Based
	[1] Floyd, Electronic Devices 7th ed [2] Cook,
	[2] en.wikipedia.org
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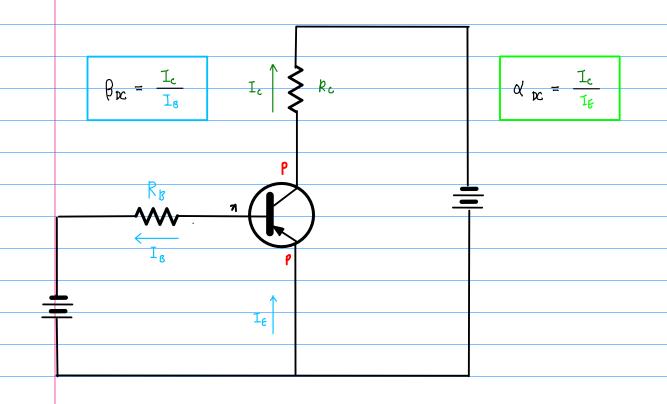






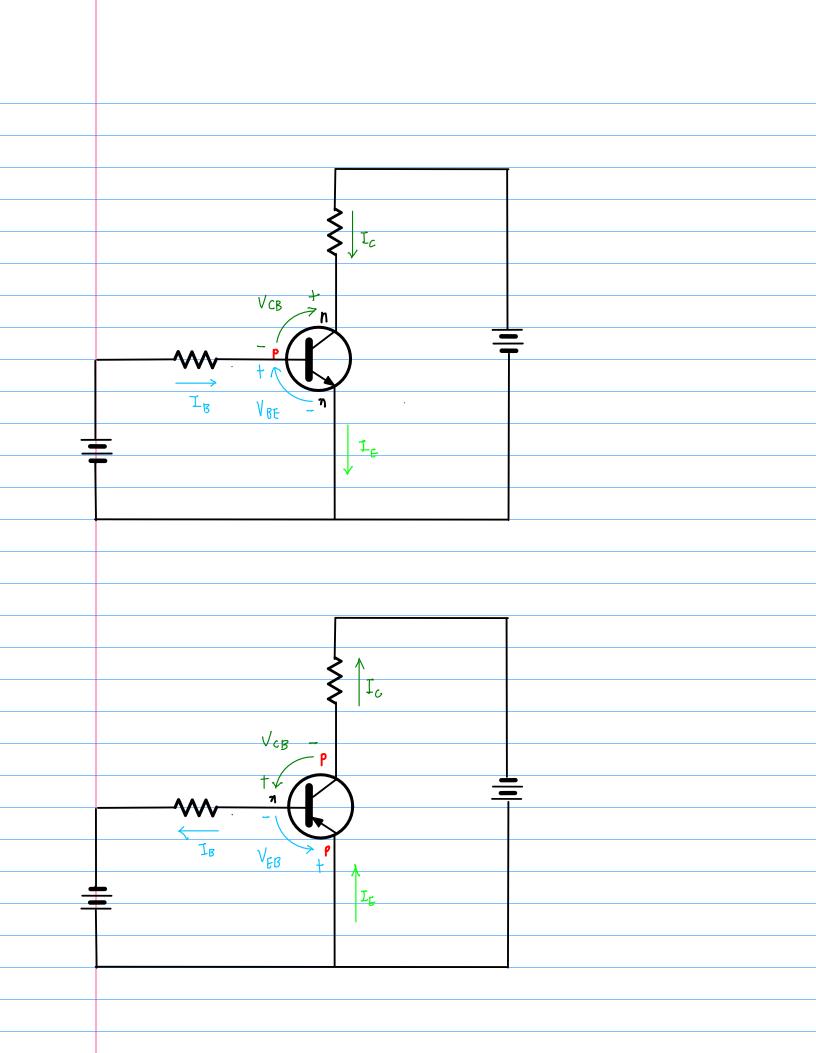


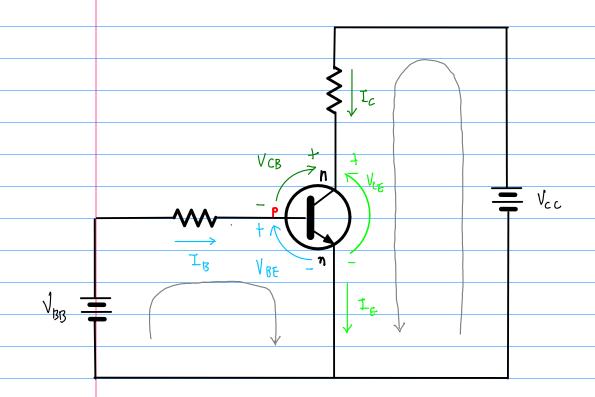




$$\beta_{\rm IC} = \frac{I_{\rm c}}{I_{\rm B}}$$
 \quad \text{20 \simplifty \gamma_{\text{000}}}

$$\alpha_{\text{pc}} = \frac{I_{c}}{I_{E}} \qquad 0.95 \sim 0.99$$





$$\sqrt{BB} = I_B R_B + \sqrt{BE}$$
 $\sqrt{CC} = I_C R_C + \sqrt{CE}$

$$I_{B} = \frac{\sqrt{BB - V_{BE}}}{R_{B}} \qquad I_{C} = \frac{\sqrt{CC - V_{CE}}}{R_{C}} \qquad V_{CE} = \sqrt{CC - I_{C}R_{C}}$$

