BJT Bias Emitter Bias (H.7)

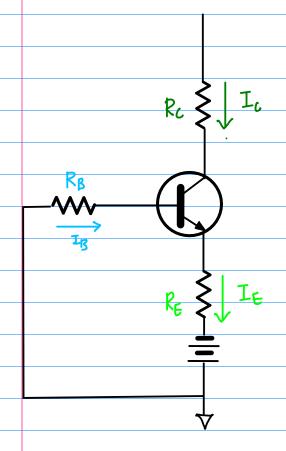
20170124

Copyright (c) 2016 - 2017 Young W. Lim.

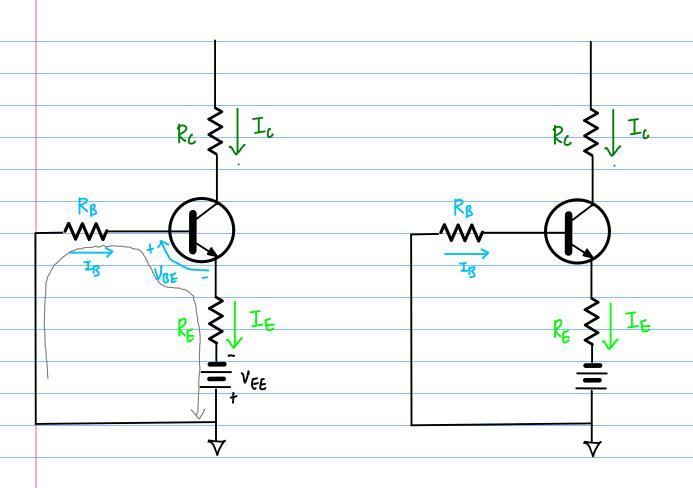
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.2 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".

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

Emitter Bias



$$I_c \cong I_{\overline{b}}$$



$$I_{g} \cong \frac{I_{e}}{\beta_{p_{e}}}$$

$$I_{\epsilon} \left(\frac{k_{B}}{\rho_{PC}} + R_{\epsilon} \right) + V_{g\epsilon} = -V_{\epsilon\epsilon}$$

$$I_{\varepsilon} = \frac{-\sqrt{\varepsilon} - \sqrt{\varepsilon}}{R_{\varepsilon} + R_{\varepsilon}/\rho_{\rho_{c}}} \cong I_{c}$$







