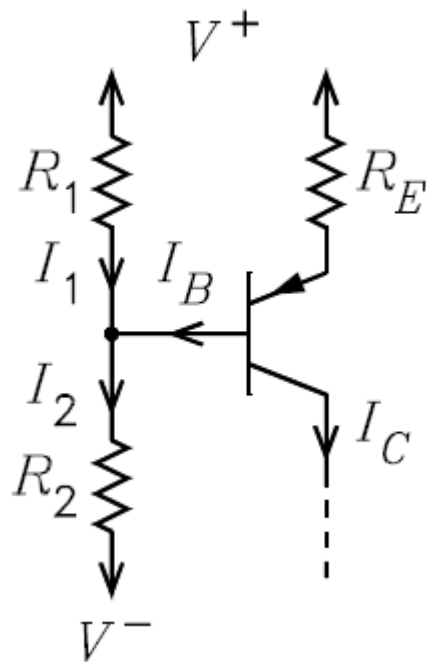# Single PNP Current Source

Thursday, March 2, 2017   2:00 PM

PNP Current Source Configuration

Step 1	Calculate V_B to get the operating point of the BJT	$V_B = \dfrac{R_2}{R_1 + R_2}$
Step 2	Calculate V_E ($V_{BE} = 0.65$)	$V_E = V_B + V_{BE}$
Step 3	Calculate I_E	$I_E = \dfrac{V^+ - V_E}{R_E}$
Step 4	Calculate I_C	$I_C = I_E(\beta - 1)$