

In class problem Solution (Feb 21st 2013)

Solution 5.26

$$I_B = \frac{5 - 0.7}{250} \Rightarrow 17.2 \mu\text{A}$$

$$I_C = (120)(0.0172) = 2.064 \text{ mA}$$

$$V_C = (2.064)(1.5) - 5 = -1.90 \text{ V}$$

$$V_{EC} = 5 - (-1.90) \Rightarrow \underline{V_{EC} = 6.90 \text{ V}}$$

