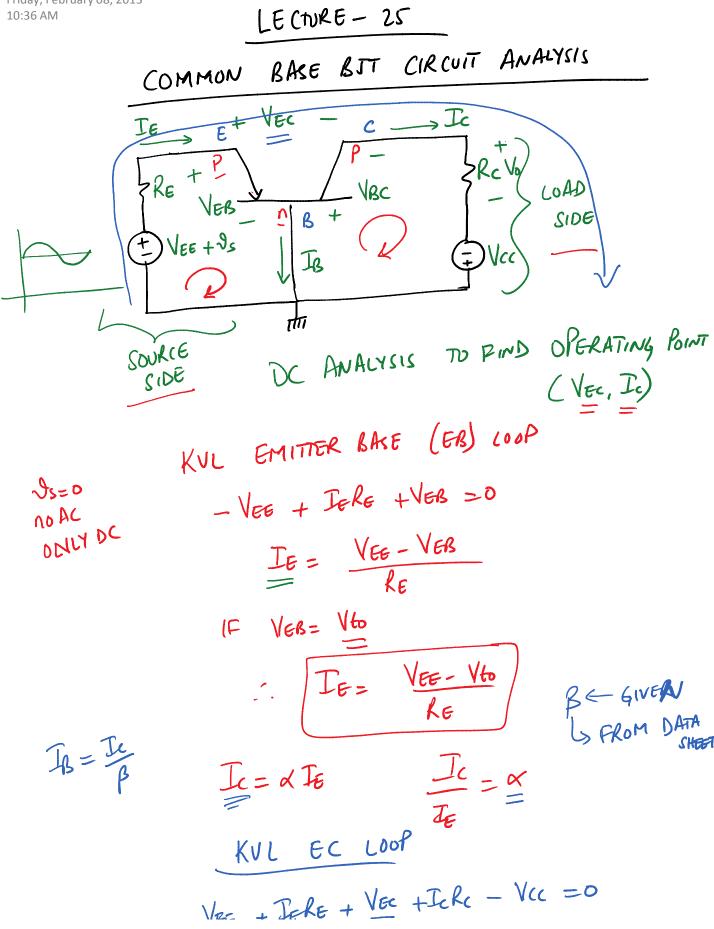
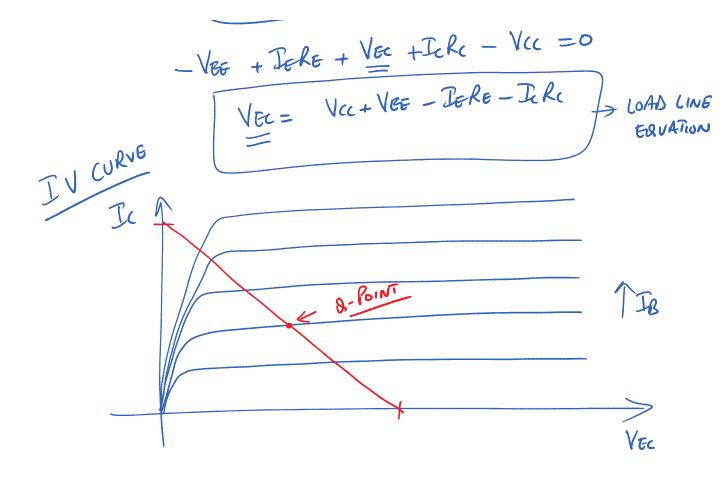
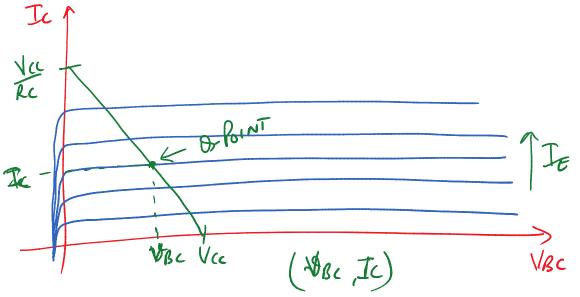
Friday, February 08, 2013



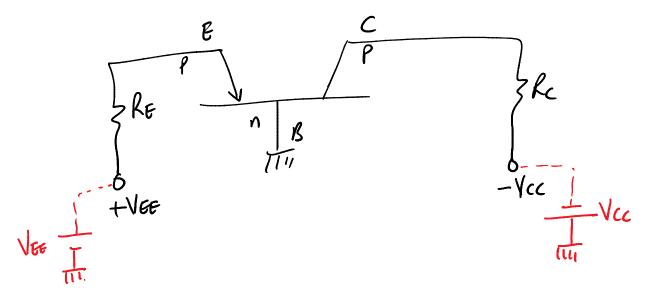
New Section 1 Page 1



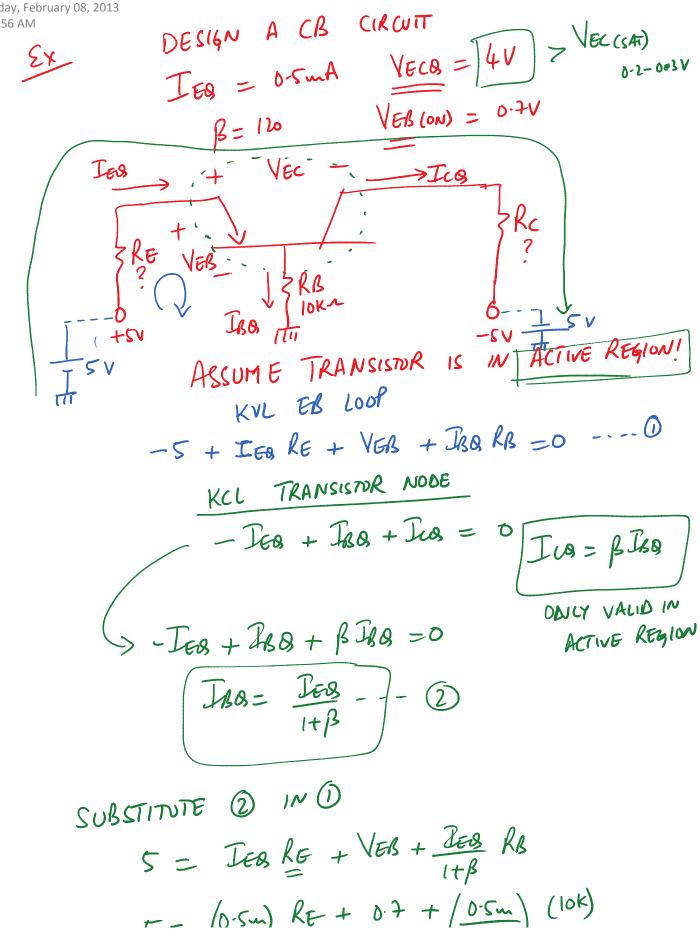
Friday, February 08, 2013 10:52 AM



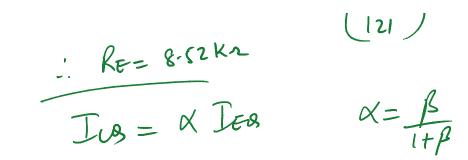
Friday, February 08, 2013 10:54 AM



Friday, February 08, 2013 10:56 AM



New Section 1 Page 5



KIL TRANSISTUR NODE

$$IBS = IRS + IcS$$

$$= IcS + BrS = IcS \left(\frac{1}{R} + 1\right)$$

$$R = \frac{R}{R} BFS = \frac{120}{121} (0.5m)$$

$$= 0.496mA$$

$$KVL EC LOUP$$

$$= 5 + IES RE + VECS + Rc IcS - C=0$$

$$-5 + (0.5m)(8.52k) + 4 + Rc (0.496mA) - C=0$$

$$r = \frac{2.51 \text{ Km}}{100}$$