Chapter 4 Solutions

4.6 $I_0 = 0.3871$ ma

4.9 $V_0 = 6.8571$ Volts

4.14 $I_0 = -0.3$ ma

4.19 $I_0 = 0.6667$ ma

4.25 $V_0 = 8$ Volts

4.29 I = 0.3871 ma ($R_{TH} = 4.33$ kΩ, $V_{TH} = 4$ Volts)

4.32 $I_0 = 1.25$ ma ($R_{TH} = 2$ kΩ, $V_{TH} = 10$ Volts)

4.55 $R_L = 20/9$ kΩ, P = 3.2 mW ($R_{TH} = \frac{20}{9}$ kΩ, $V_{TH} = \frac{32}{6}$ Volts)

4.56 $R_L = 8$ kΩ, P = 2.5312 mW ($R_{TH} = 8$ kΩ, $V_{TH} = 9$ Volts)

4.58 RL = 2 kΩ, P = 12.5 mW ($R_{TH} = 2$ kΩ, $V_{TH} = 10$ Volts)