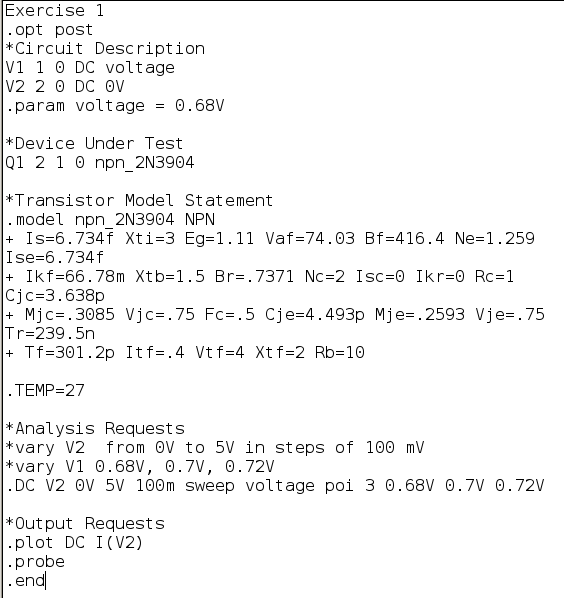
Javier Jesús Macossay-Hernández EE 348L

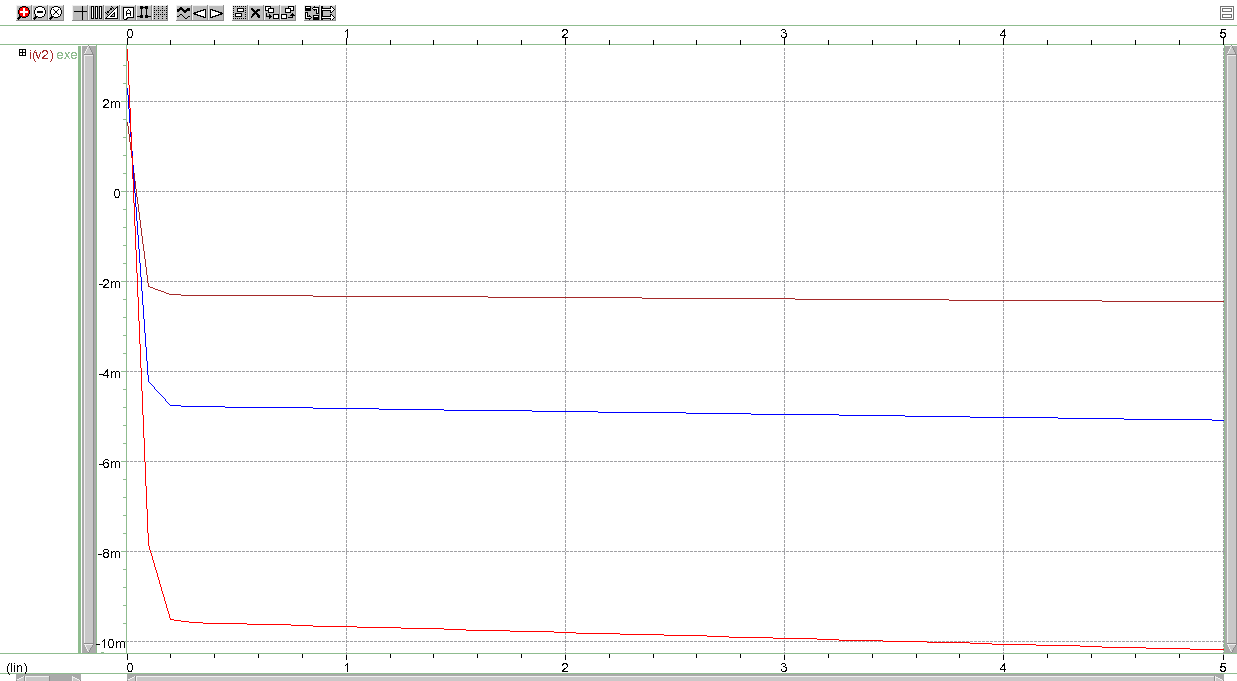
March 31, 2016

**Prelab #8**

Exercise 1

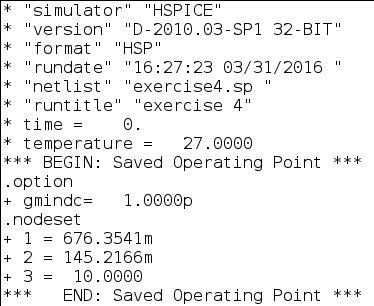


Netlist

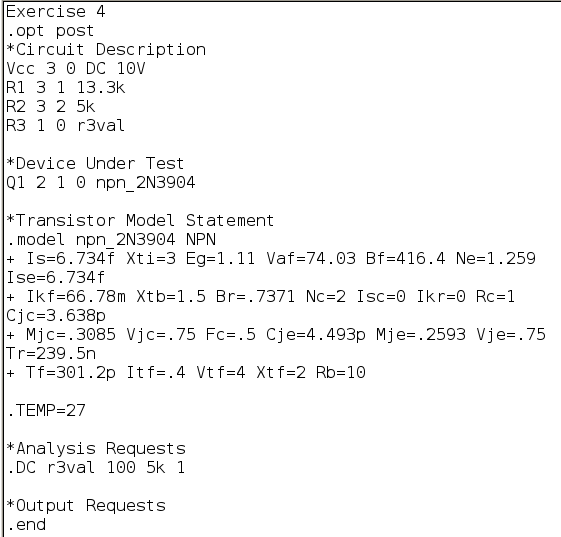


IC vs. V2

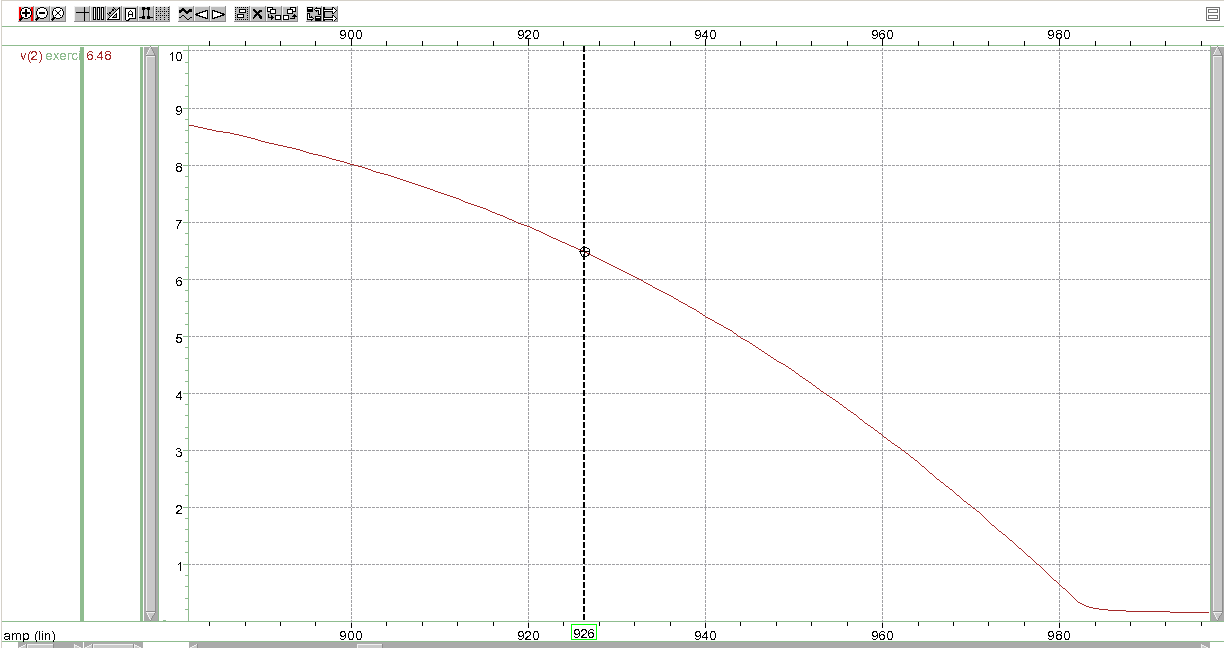
Exercise 4



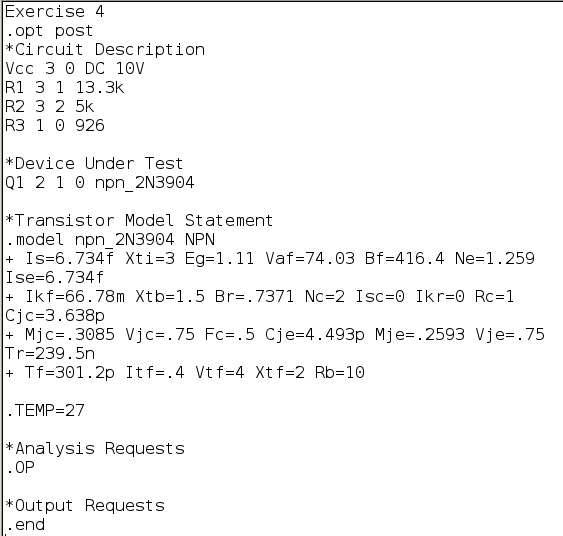
Starting Output



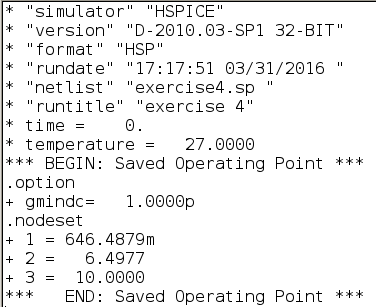
DC Sweep on R3 from 100Ω to 5kΩ



Value of R3 (923 Ω) where Vc is equal to 6.5V

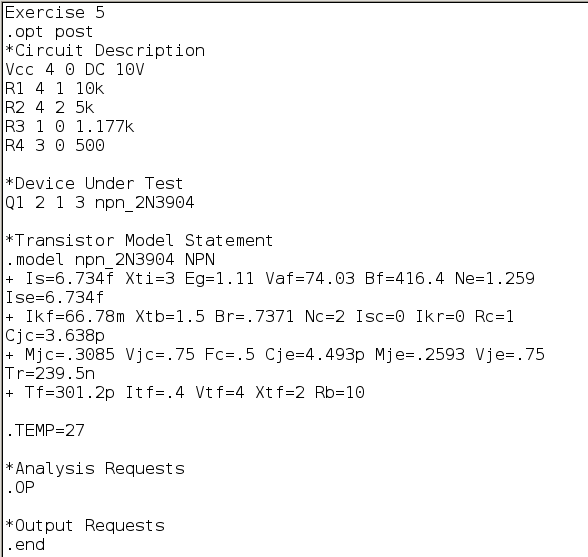


Final Netlist with modified R3 value

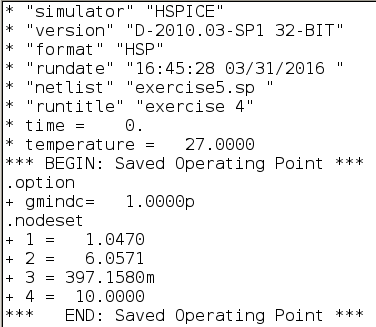


Output file with Vc is equal to 6.5V

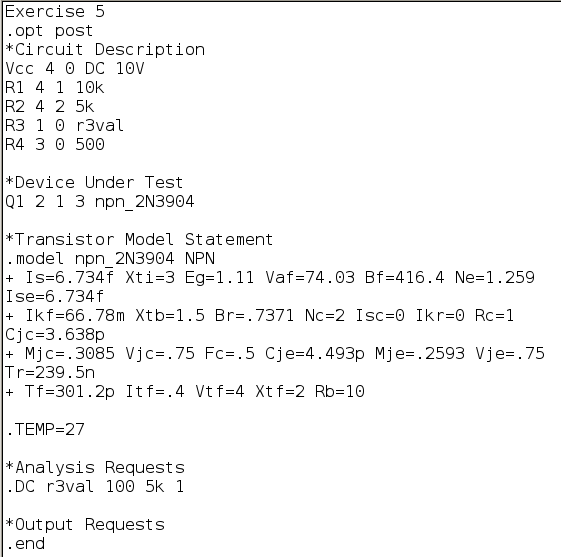
Exercise 5



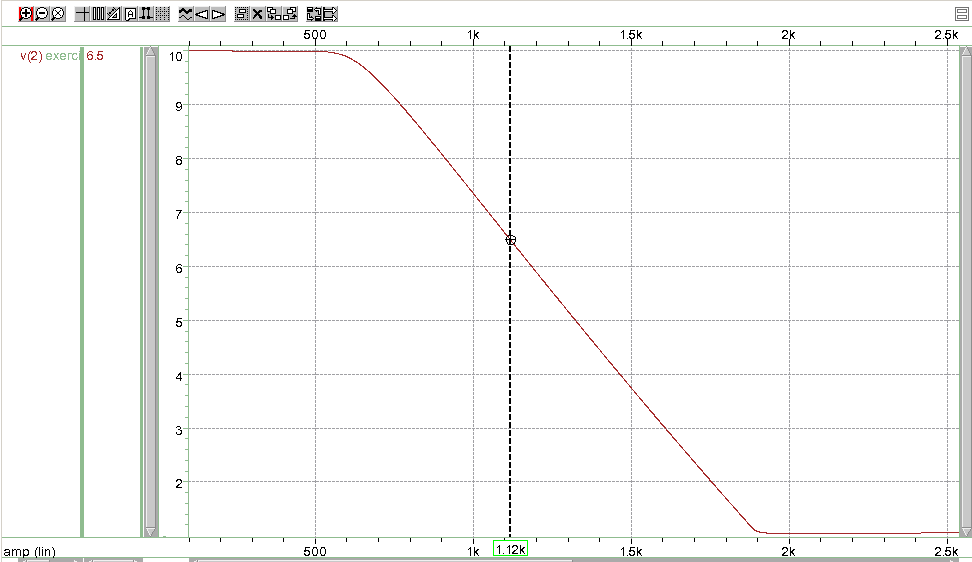
Starting Netlist



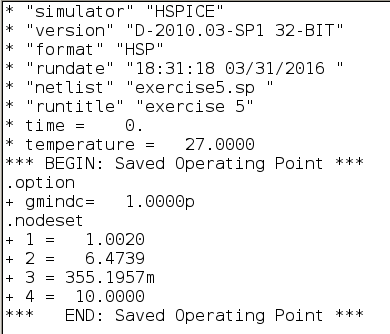
Starting Output



DC Sweep on R3 from 100Ω to 5kΩ



Value of R3 (1.12 kΩ) where Vc is equal to 6.5V



Output file with Vc is equal to 6.5V