

Homework Assignment No. 7

Due Friday, March 3rd, 2006 in class

Problem 1 - (10 points)

Problem 6.4-2 of AH(Change Cc to 4pF)

Problem 2 – (10 points)

Problem 6.5-13 of AH(Change CL to 20pF)

Problem 3 – (10 points)

Problem 6.15 of GHLM(Change reference current to 220uA)

Problem 4 – (10 points)

Problem 6.26 of GHLM

Problem 5 – (10 points)

Problem 6.27 of GHLM. You are not required to do the parts of the problem that refer to temperature variations. In spice simulations, assume the following model parameters for the transistors:

NPNs BF=250, IS=5E-15, VAF=130

PNPs BF= 50, IS=2E-15, VAF=152