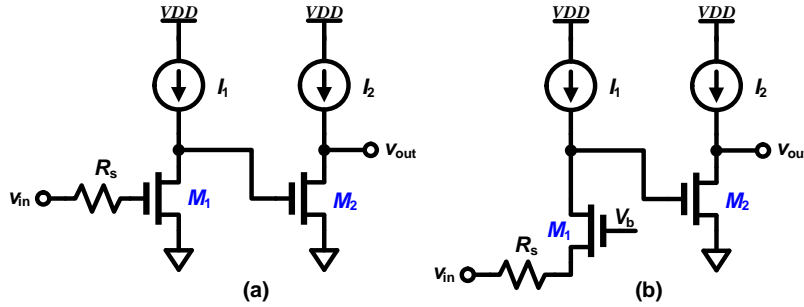# Homework 9

ECE 5411 − CMOS Analog IC Design (Spring 2011)

Due on Monday, Apr 18, 2011.

Problem 1: Estimate the poles of each circuit shown in the figure below (symbolic answers). Assume that the current sources are ideal. For part (a) use $\lambda \neq 0$, and for part (b) assume $\lambda = 0$

Problem 2: Calculate the input impedance and the small-signal transfer function for each of the circuits shown below (symbolic answers). For both the parts assume $\lambda = \gamma = 0$.