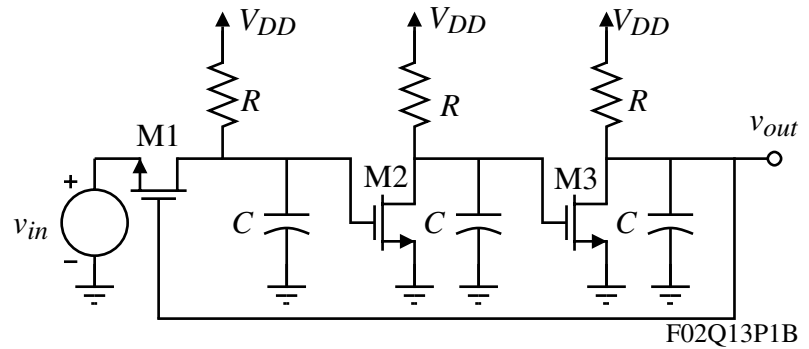## Homework Assignment No. 14

<u>Due on Monday, April 19, 2004</u>

Problems in first edition are indicated in ( ).

1.) Find the loop gain of the amplifier shown. Assume that $g_m = 1\text{mS}$ and $r_{ds} = \infty$ for all MOSFETs and that $R = 10\text{k}\Omega$ and $C = 100\text{nF}$.

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2.) Problem 18.71 (18.49) of the text.

3.) Problem 18.86 (18.61) of the text.

4.) Problem 18.88 (18.63) of the text.

5.) Problem 18.95 (18.70) of the text.