

Indian Institute of Technology, Delhi
ELL304 Analog Circuits
Tutorial 8, 17 September 2015

1. For Fig 1, find expressions for the voltage gain for the four circuits.
2. For Fig 2, 3, find the output current as a function of I_0 and R .
3. For Fig 4, evaluate I_{OUT} .
4. For Fig 5, evaluate the differential output voltage.

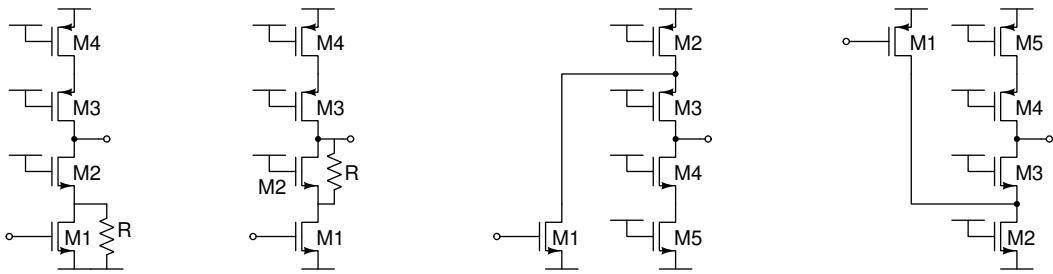


Figure 1

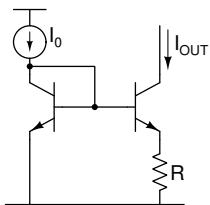


Figure 2

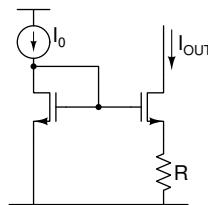


Figure 3

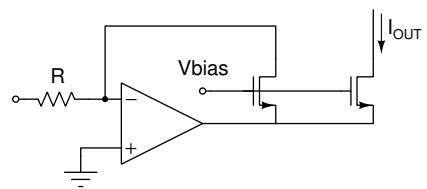


Figure 4

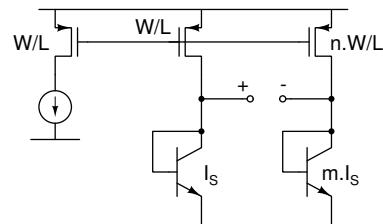


Figure 5