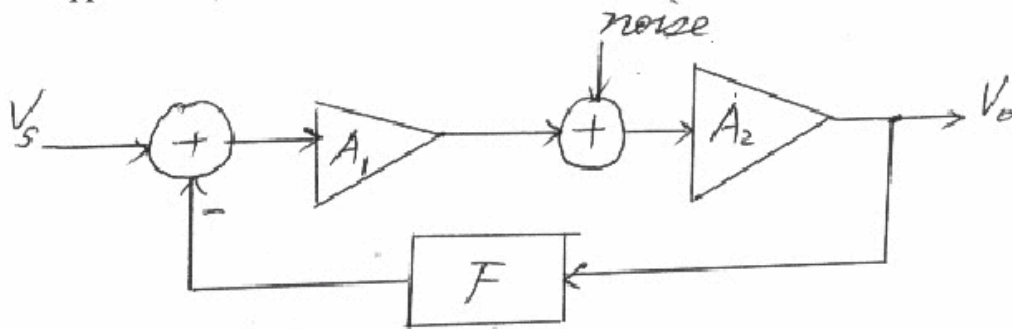


EECE-315 Exercise #7

Chapter 12 Problems

1. Use a negative feedback connection to reduce power supply ripple. The power supply ripple is 2 V pp, the open loop gain of A_2 is 0.9, and the desired feedback gain is 10. Determine the open loop gain, A_1 , and the feedback factor, β (or F) required to reduced the output ripple to (a) 200 mVpp , (b) 20 mVpp and (c) 2 mVpp.



2. 12.15
3. 12.42
4. 12.51
5. 12.57
6. 12.61