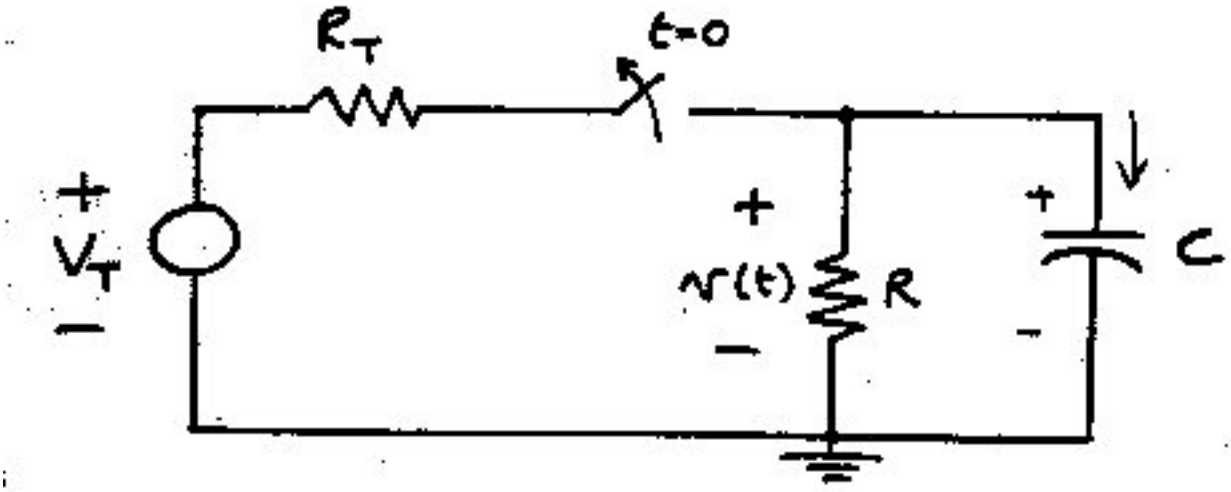
EE42 Fall 1992
Midterm #2
Professor Liam Murphy

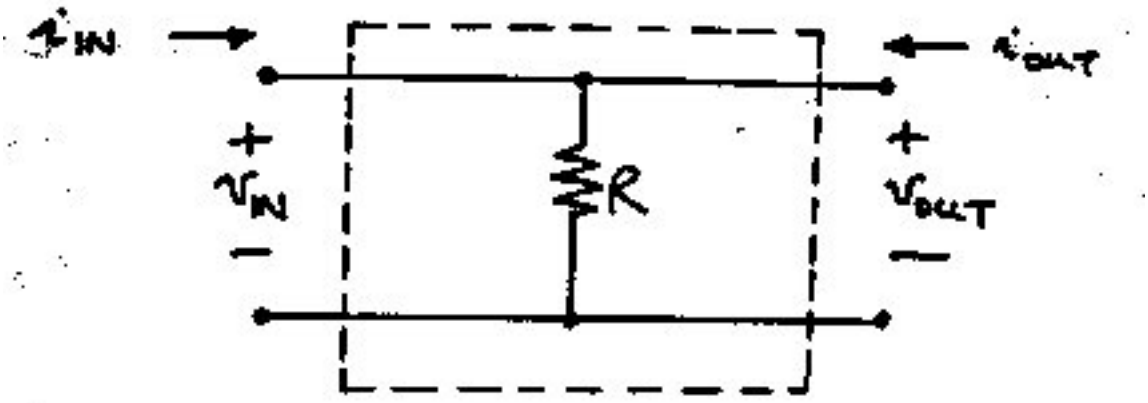
Problem #2 [20 points]

In the circuit below, the switch has been closed for a very long time. At time t = 0 it is opened. Plot v(t) for t > 0. Indicate clearly on your plot the time constant tao, and the value of v(t) at t = 0+ and as t goes infinity.



Problem #4 [20 points]

An amplifier has the following simple structure :



Find R'_i, R'_v, and A' for this amplifier.