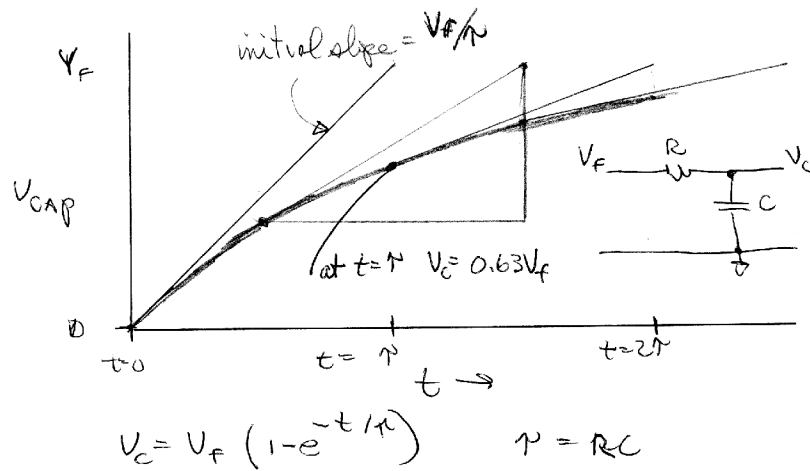


In class problem – 28 September 2005



The input to the RC circuit is a step function going from 0 to V_f .

Show that the slope of V_c at any point is such that it would reach V_f in one time constant. Also show that it will get 63% of the way to V_f in that time constant.