



At  $t=0$  the switch is moved to position ②. There's no initial charge on the capacitor, i.e.  $V_c(0^-) = 0$ . Calculate  $I_D(t)$ ,  $V_c(t)$  and  $V_o(t)$  for  $0 \leq t \leq 5\text{ ms}$