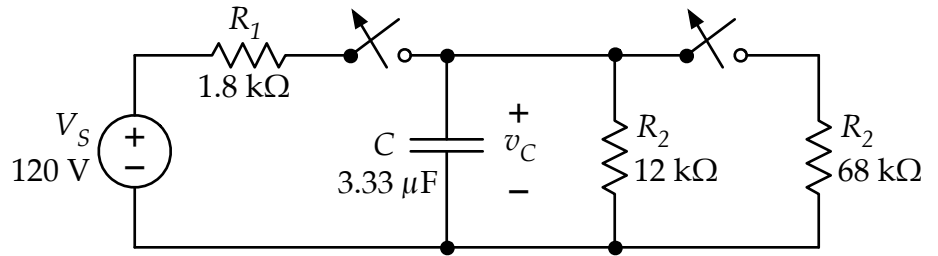


The two switches the circuit shown have been closed for a long time. At $t = 0$, the both open simultaneously.



a) What is $v_c(t)$ for $t > 0$?

b) How long does it take for 75% of the energy that was initially stored in the capacitor to dissipate?

$v_c(t) =$ _____

$t_{0.75} =$ _____