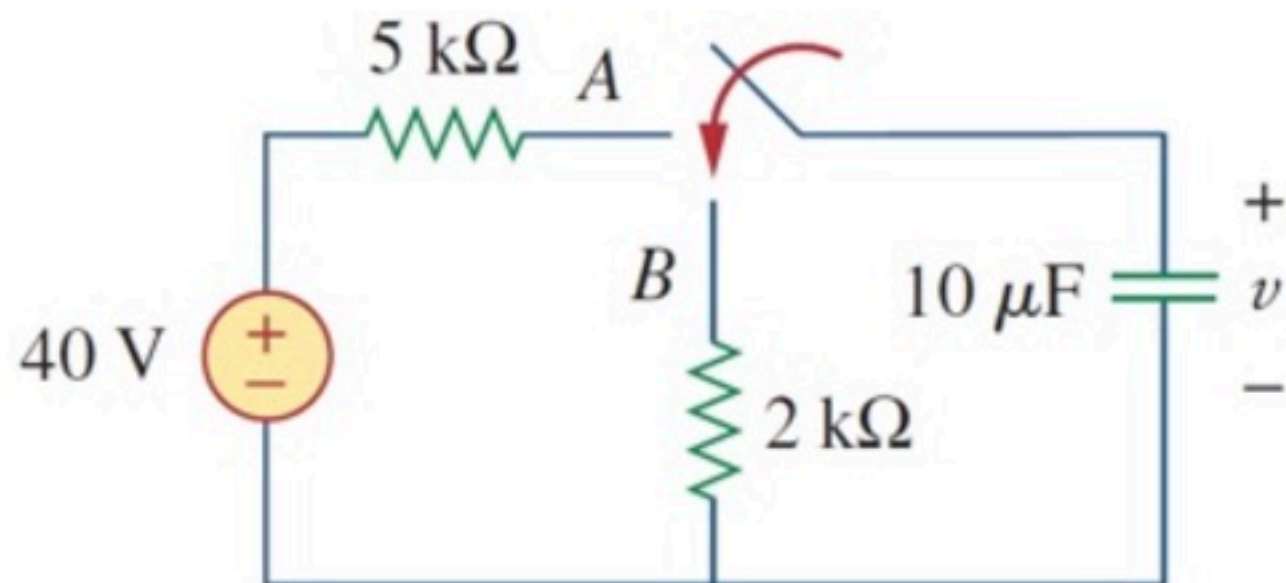


# PP First order circuits 001

Unlimited Attempts.

The switch has been in position A for a long time.  
At time  $t = 0$ , the switch moves to position B.

Find  $v(t) = D$  for  $t = 0^-$   
 $= A \cdot e^{-t/\tau} + B$  for  $t > 0$



Given Variables:

...

Calculate the following:

D (V) :

40



A (V) :

40



B (V) :

0



$\tau$  (s) :

0.02



Hint: At steady state, the capacitor is an open circuit