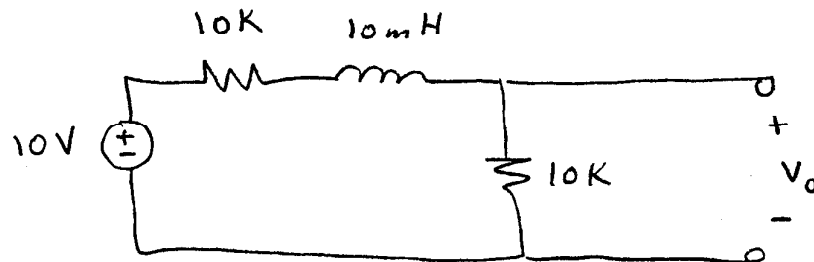


NAME:  
Honor Code:

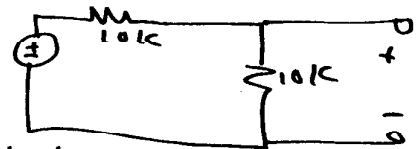
KEY

Find the steady-state output of the following circuits when they are excited by a DC source

1.

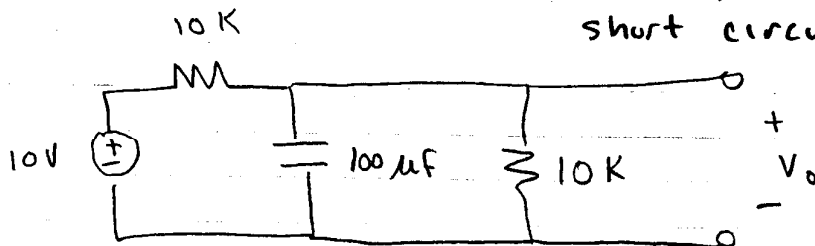


$$\lim_{t \rightarrow \infty} V_o(t) = 5V$$

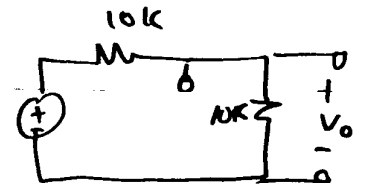


inductor acts like a short circuit to DC as  $t \rightarrow \infty$

2.



$$\lim_{t \rightarrow \infty} V_o(t) = 5V$$



capacitor acts like an open circuit to DC as  $t \rightarrow \infty$