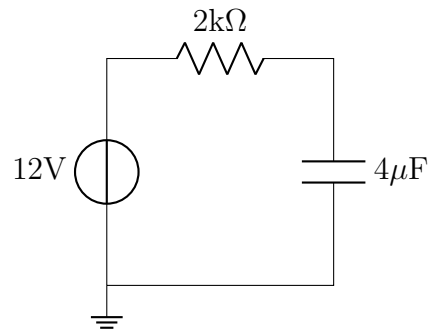


Consider the RC circuit shown below:



Calculate: a) The initial current when the circuit is first connected b) The time constant of the circuit c) The voltage across the capacitor after one time constant