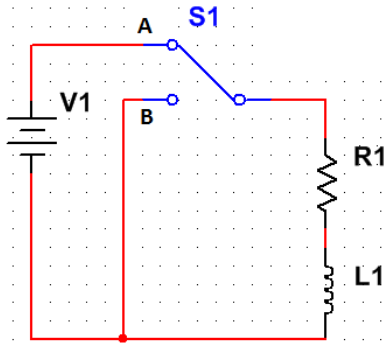


1. Inductors in DC



$V_1 = 12\text{v}, R = 50, L_1 = 10\text{H}$

For the above circuit, assume the switch starts in the B position with  $I_{L1} = 0\text{A}$ .

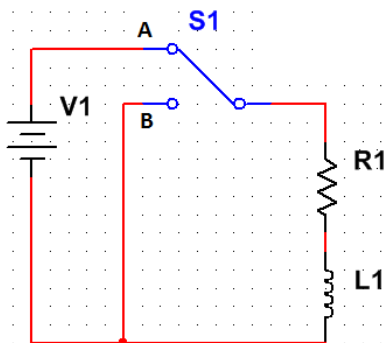
What is  $V_r$  and  $V_L$  after 0.15sec from the moment the switch is moved to position A?

$V_r = \underline{\hspace{2cm}}$                        $V_L = \underline{\hspace{2cm}}$

What is  $V_r$  and  $V_L$  after 0.25sec from the moment the switch is moved to position A?

$V_r = \underline{\hspace{2cm}}$                        $V_L = \underline{\hspace{2cm}}$

2. Inductors in DC



$V_1 = 12\text{v}, R = 50, L_1 = 10\text{H}$

For the above circuit, assume the switch starts in the B position with  $I_{L1} = 0\text{A}$ .

What is  $V_r$  and  $V_L$  after 0.15sec from the moment the switch is moved to position A?

$V_r = \underline{\hspace{2cm}}$                        $V_L = \underline{\hspace{2cm}}$

What is  $V_r$  and  $V_L$  after 0.25sec from the moment the switch is moved to position A?

$V_r = \underline{\hspace{2cm}}$                        $V_L = \underline{\hspace{2cm}}$