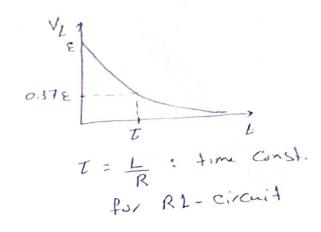
$$\Rightarrow \text{ at } t = \frac{L}{R} \Rightarrow V_{L} = \varepsilon e^{-\frac{1}{2}}$$

$$= 0.37\varepsilon$$



* Voltage across Resistor:

$$V_R = IR = \varepsilon(1 - e^{-\frac{Rt}{L}})$$

* at $t = 0 \rightarrow V_R = 0$

* at $t = 4 \rightarrow V_R = \varepsilon$
 $\Rightarrow at t = \frac{L}{R} \Rightarrow V_R = \varepsilon(1 - e^{\frac{L}{L}})$
 $= 0.63 \varepsilon$

