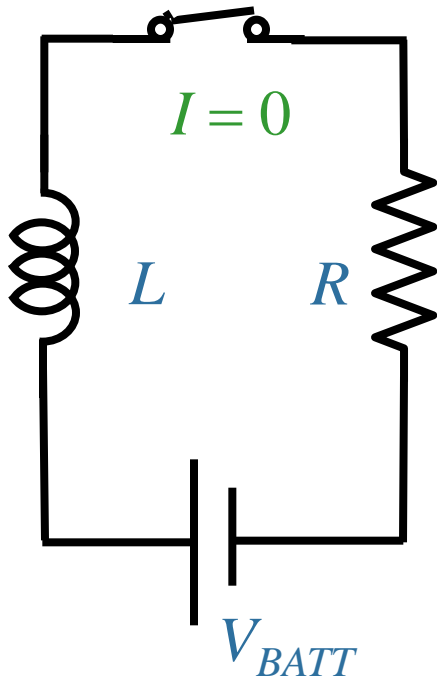


How to think about RL circuits Episode 1:

When no current is flowing initially:



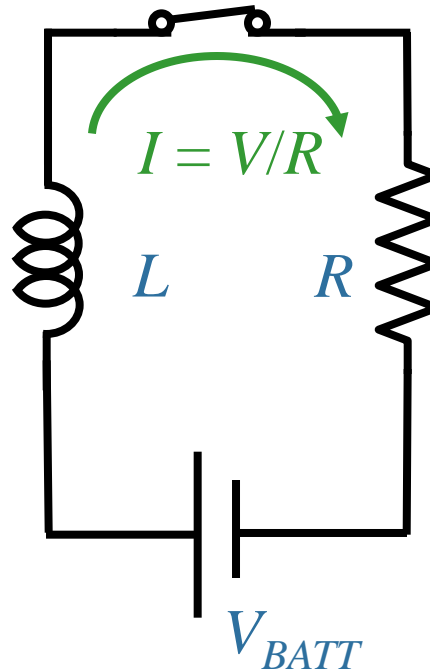
At $t = 0$: I_L unchanged

$$I_L = 0$$

$$V_R = 0$$

$$V_L = V_{BATT}$$

(L is like an open circuit)



At $t \gg L/R$: $v_L = 0$

$$V_L = 0$$

$$V_R = V_{BATT}$$

$$I = V_{BATT}/R$$

(L is like a wire)

