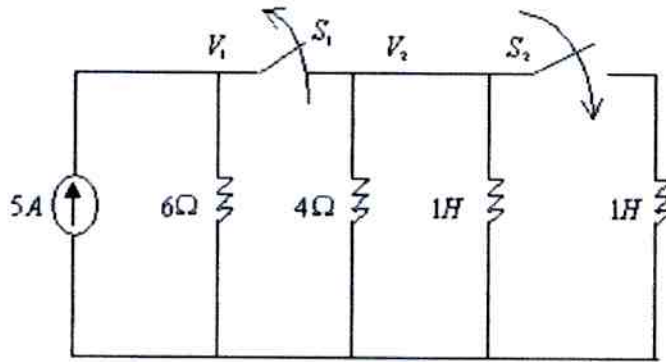


An RL circuit with switches is shown in the figure. Switch s_1 remains close and s_2 remains open for a long time (steady-state). At $t = 0$ switch s_1 opens and s_2 closes. Find $V_2(t)$ for $t > 0$.



a.

$$V_2(t) = 23 \text{ Exp}(-8t) \text{ V}$$

b.

$$V_2(t) = -12 \text{ Exp}(-4t) \text{ V}$$

c.

$$V_2(t) = -20 \text{ Exp}(-8t) \text{ V}$$

d.

$$V_2(t) = 26 \text{ Exp}(-4t) \text{ V}$$