

- 14.26** Find $v_o(t)$, $t > 0$, in the network shown in Fig. P14.26 using Laplace transforms. Assume that the circuit has reached steady state at $t = 0^-$.

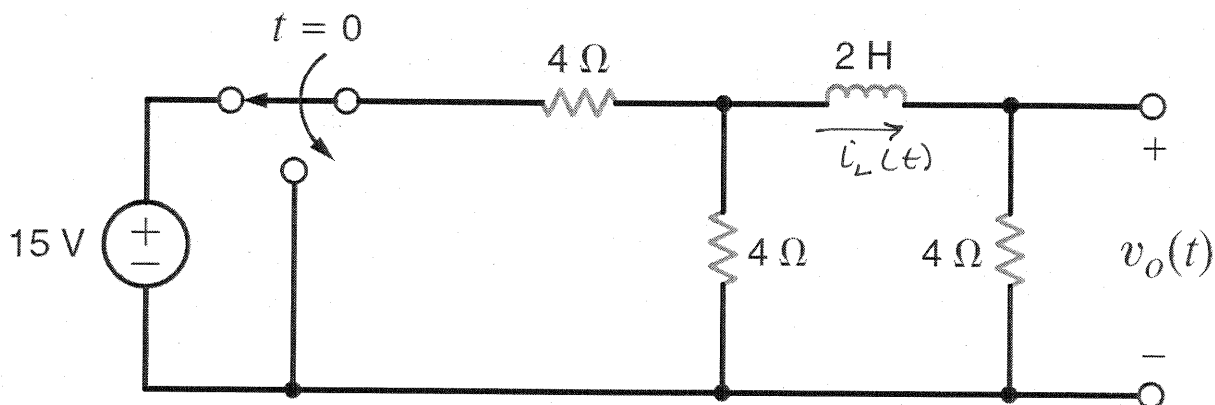
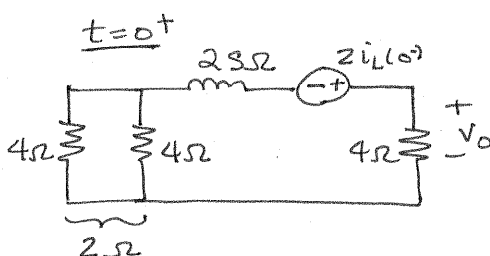
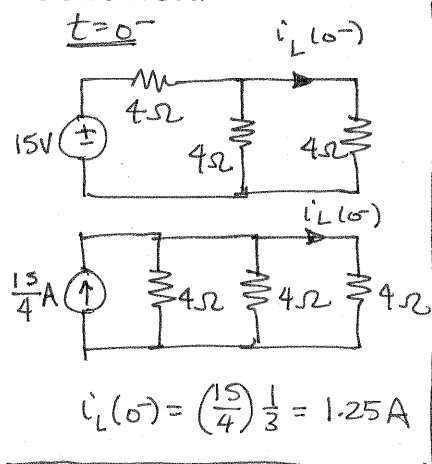


Figure P14.26

SOLUTION:



$$V_o = 2i_L(0^-) \left[\frac{4}{4 + 2 + 2s} \right] = \frac{5}{s + 3}$$

$$v_o(t) = 5e^{-3t} \text{ V}$$