

**Chapter 6, Problem 32.**

In the circuit in Fig. 6.64, let  $i_s = 50e^{-2t}$  mA and  $v_1(0) = 50$  V,  $v_2(0) = 20$  V. Determine: (a)  $v_1(t)$  and  $v_2(t)$ , (b) the energy in each capacitor at  $t = 0.5$  s.

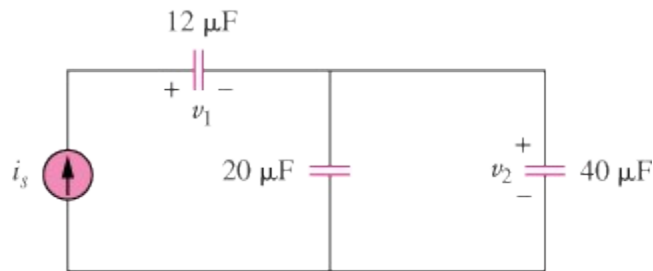


Figure 6.64  
For Prob. 6.32.