

Chapter 6, Problem 61.

Consider the circuit in Fig. 6.83. Find: (a) L_{eq} , $i_1(t)$ and $i_2(t)$ if $i_s = 3e^{-t}$ mA, (b) $v_o(t)$, (c) energy stored in the 20-mH inductor at $t=1$ s.

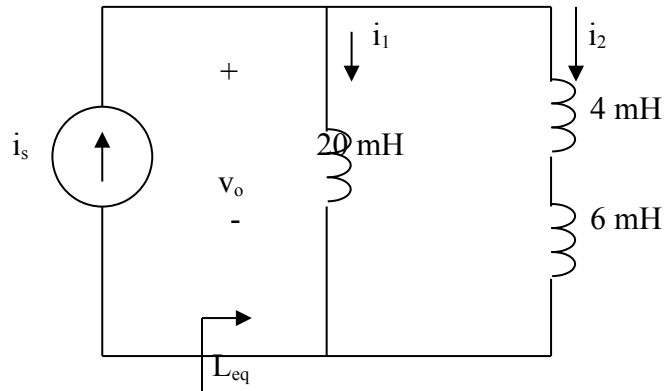


Figure 6.83
For Prob. 6.61.