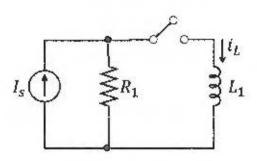
L1:30 mH



$$R_{TH} = 3 \text{ ls.}$$

$$R_{TH} = \frac{3 \text{ ls.}}{R_{TH}} = \frac{30.10^{-3}}{3.10^{3}} = 10.10^{-6} \text{ s}$$

$$B = i_{L}(\alpha) = 2A \implies B = 2A$$

$$A + B = i_L(o^+) = oA \implies \int A = -2A$$

$$i_L(t) = 2 - 2e^{-\frac{t}{5.01}m^5}$$
 A
 $i_L(t) = 2(1 - e^{-\frac{t}{5.01}m})$ A