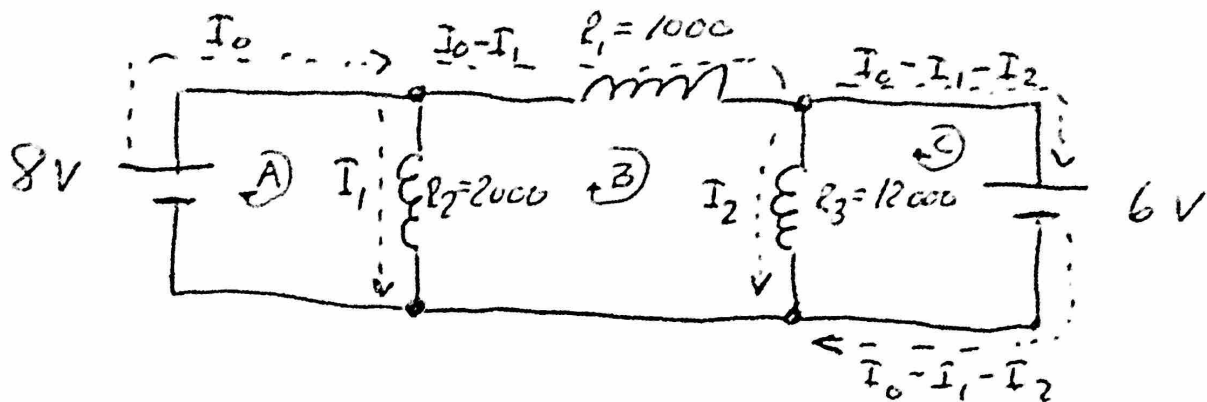


# PROBLEM 1,



$$\textcircled{A} -2000I_1 + 8 = 0 \rightarrow 8 = 2000I_1 \rightarrow I_1 = \frac{8}{2000} = \underline{\underline{0,004 \text{ A}}}$$

$$\textcircled{B} -1000(I_0 - I_1) - 12000I_2 + 2000I_1 = 0$$

$$1000I_0 + 1000I_1 - 12000I_2 + 2000I_1 \rightarrow 1000I_0 + 3000I_1 - 12000I_2$$

$$1000I_0 + 3000 \cdot 0,004 - 12000I_2 \rightarrow 1000I_0 + 12 - 12000I_2$$

$$1000I_0 + 12 - 12000 \cdot 0,0005 = 0$$

$$1000I_0 + 12 - 6 \rightarrow \frac{6}{1000} = I_0 = \underline{\underline{0,006 \text{ A}}}$$

$$\textcircled{C} -6 + 12000I_2 = 0 \rightarrow I_2 = \frac{6}{12000} = \underline{\underline{0,0005 \text{ A}}}$$