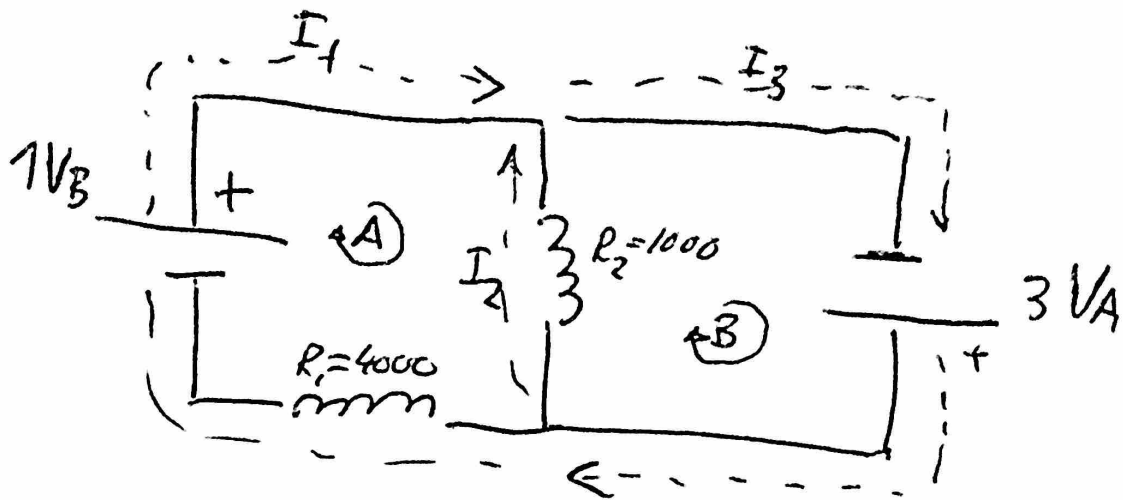


## PROBLEM 2



$$\begin{aligned}
 \text{A} \quad & 1000 I_2 - 4000 I_1 + 1V_B = 0 \\
 & 1000 \cdot 0,003 - 4000 I_1 + 1V_B \\
 & 3 - 4000 I_1 + 1 = \frac{4}{4000} \\
 & \underline{\underline{I_1 = 0,001 \text{ A}}}
 \end{aligned}$$

$$\begin{aligned}
 \text{B} \quad & 3V_A - 1000 I_2 = 0 \\
 & I_2 = \frac{3}{1000} \\
 & \underline{\underline{I_2 = 0,003 \text{ A}}}
 \end{aligned}$$

$$\begin{aligned}
 \text{C} \quad & 3V_A - 4000 I_1 + 1 = 0 \\
 & 3 + 1 = 4000 I_1 \\
 & 4 = 4000 I_1 \\
 & I_1 = \frac{4}{4000} \\
 & \underline{\underline{I_1 = 0,001 \text{ A}}}
 \end{aligned}$$