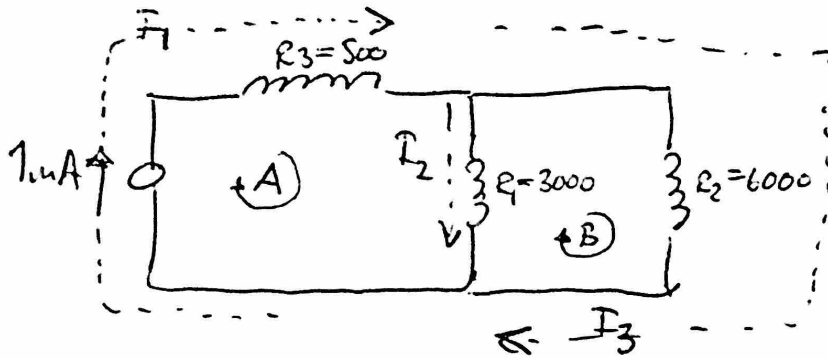


PROBLEM 3



$$\text{KCL } I_1 - I_2 - I_3 = 0$$

$$0,001 - I_2 = I_3$$

$$0,001 - 0,006 = I_3$$

$$I_3 = 0,0004 \rightarrow \underline{\underline{0,4 \mu A}}$$

$$\textcircled{B} - R_2 \cdot I_3 + R_1 \cdot I_2 = 0$$

$$- 6000(0,001 - I_2) + 3000 I_2 = 0$$

$$- 6 + 6000 I_2 + 3000 I_2 = 0$$

$$- 6 + 9000 I_2 = 0$$

$$I_2 = \frac{6}{9000}$$

$$I_2 = 0,0006 \rightarrow \underline{\underline{0,6 \mu A}}$$