ELEC2004 Homework 2

By Samuel Allpass

Question 1)

A piece of paper with writing on it

Description automatically generated

56

0.080

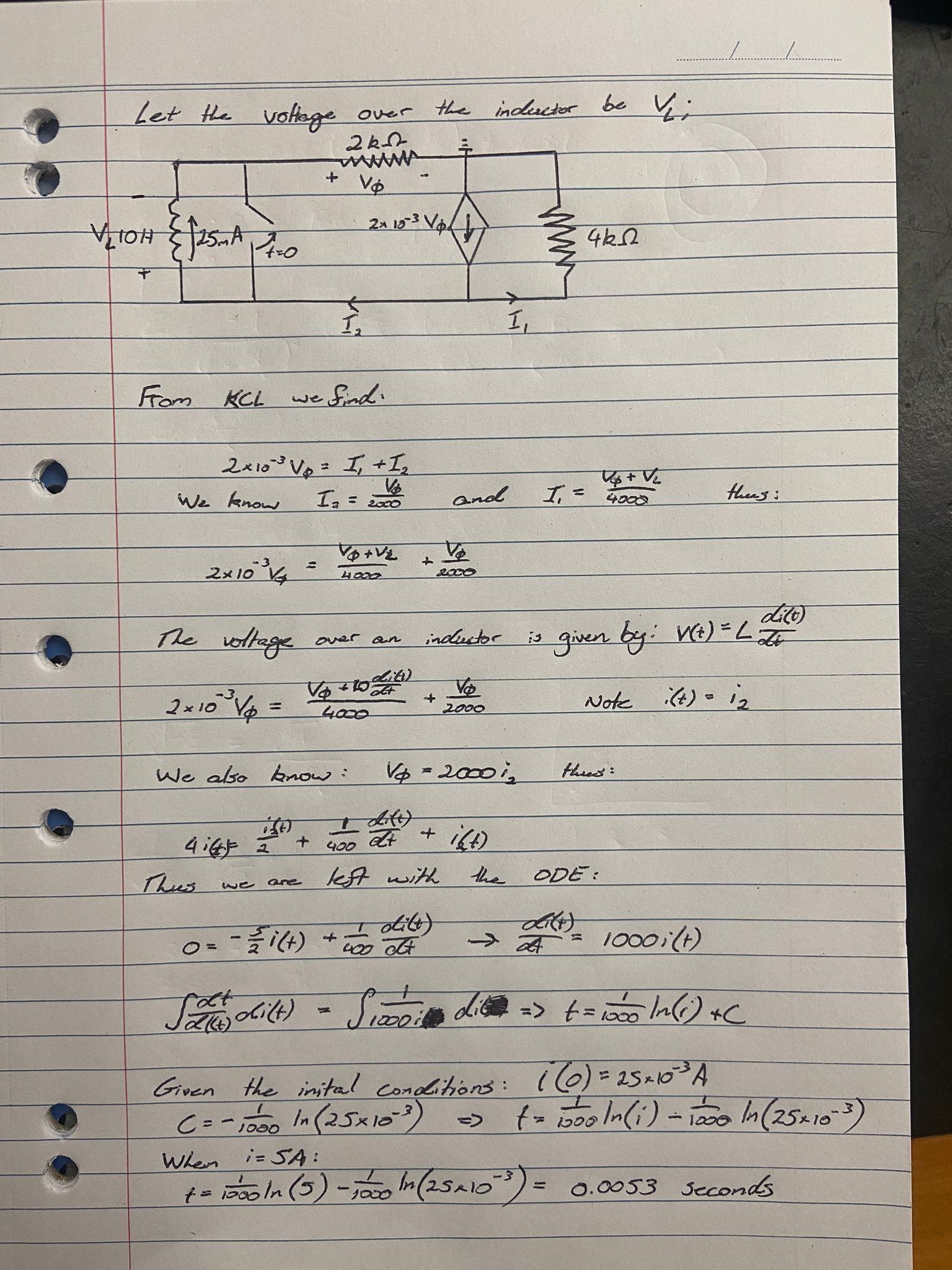
56

56

56V

Thus, it took 80 milliseconds for the output voltage to equal 0.

Question 2)



Thus, it took 0.0053 seconds (53 milliseconds) after the switch was opened for the inductor to malfunction at the 5A limit.