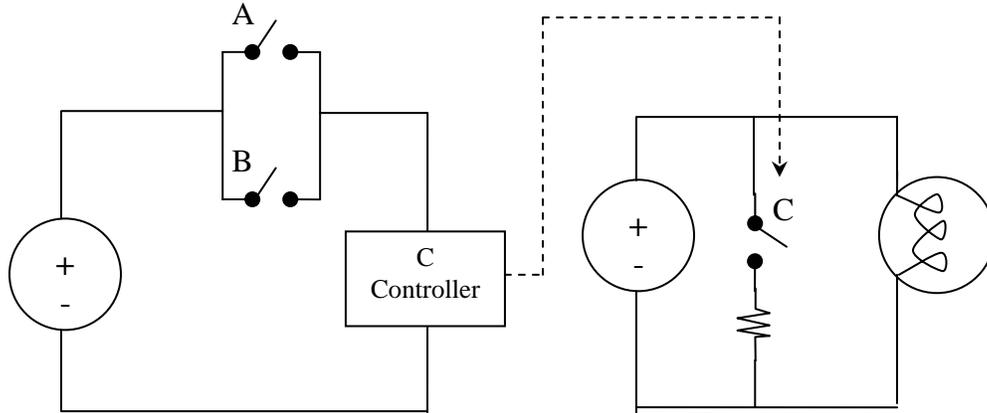


ECE 130 HW#1

1. Consider the following switching circuit:



A and **B** switch an input voltage source to an element labeled “C Controller.” This element closes **C** when the input voltage is high and opens **C** when the input voltage is low.

- A. Complete a truth table for the above circuit with inputs **A** and **B** and with an output **L**, which is the light.

- B. Write a logical expression in Boolean algebra that relates the output **L** to the two inputs.