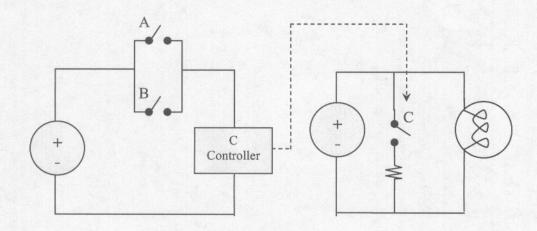
## ECE 130 HW#1

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  ${\bf L}$  to the two inputs.