

## CSE 311: Foundations of Computing I

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### QuickCheck: Logic (due Thursday, March 31)

Name:

#### 0. Fool Me Once...

Consider the following sentence:

*I only left the light on in my office if I rushed home, but I either rushed home or left early.*

(a) Is the sentence a proposition? Explain why or why not.

(b) Define smaller propositions in preparation for converting the sentence to logical notation.

(c) Convert the sentence to logical notation.

(Turn Over For Last Part)

(d) Fill in the following truth table for the sentence:
