

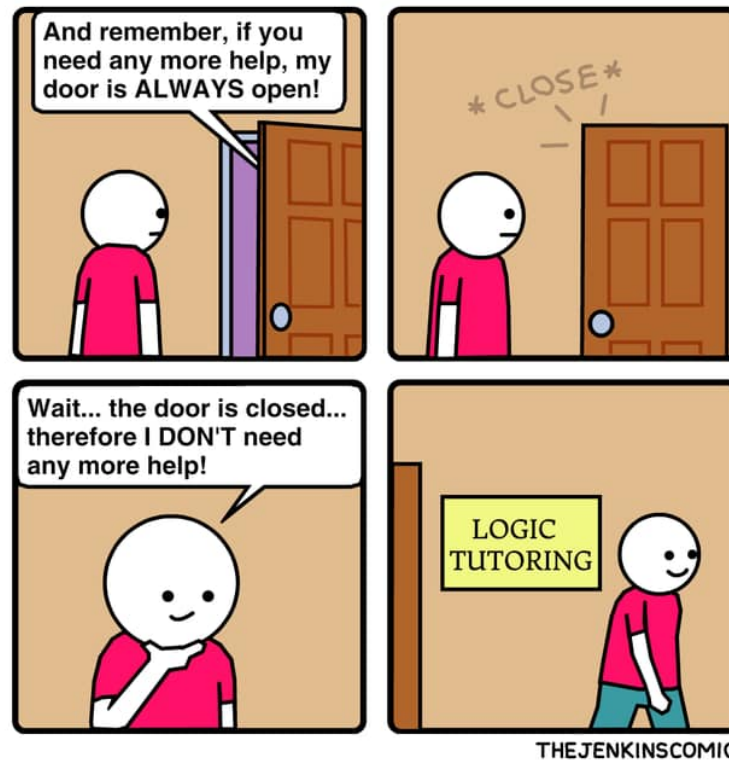
## Week 5

- Propositional logic
- Variables

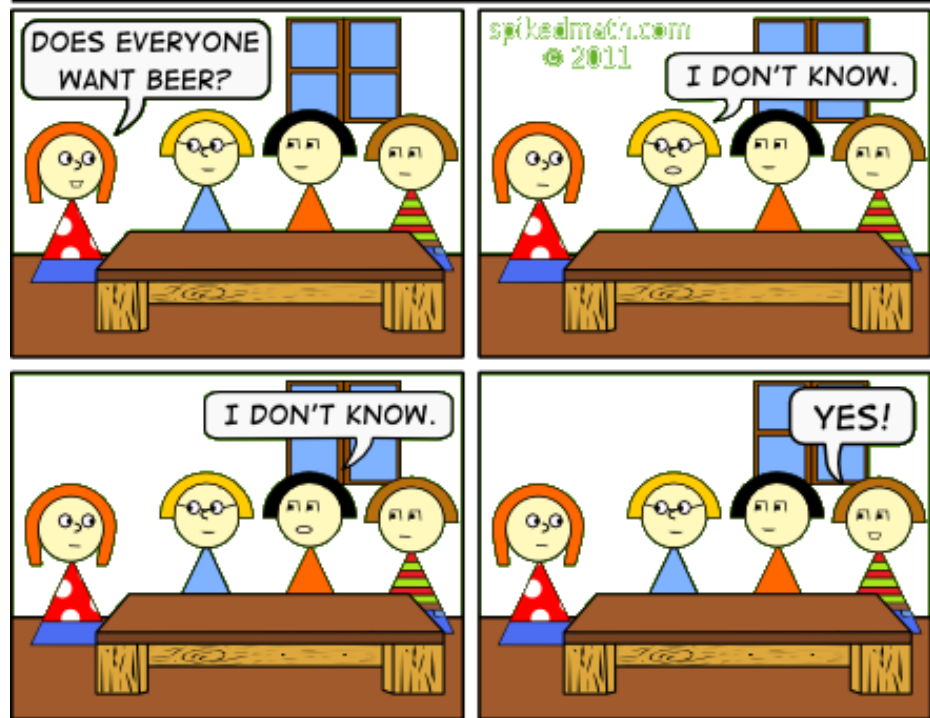
Next:

- The syntax/semantics mapping
- Test 1 in week 6 — fill out Survey today

**Exercise:** Discuss the following “jokes” in relation to the material in the class.



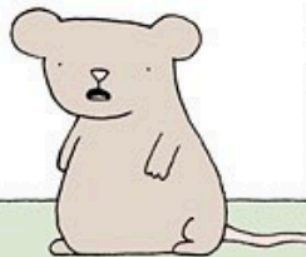
THREE LOGICIANS WALK INTO A BAR...



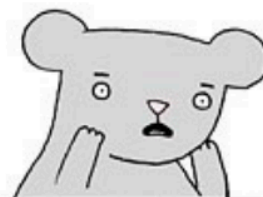
EVERYTHING  
WILL BE OKAY.



WHAT ABOUT  
THE THINGS  
THAT WON'T?



I FORGOT  
ABOUT  
THOSE...



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(from 2019)

**Exercise:** Complete the truth table for (1) and (2), based on your intuitions about the sentence.  $p$  = we can meet today;  $q$  = we can meet tomorrow.

(1) We can meet today or tomorrow.

(2) We can't meet today or tomorrow.

$p$	$q$	(1)	(2)
1	1		
1	0		
0	1		
0	0		

Since (2) appears to be the negation of (1), what does this suggest about English “or”?