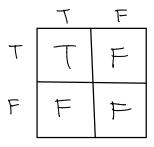
Binary: 2 values

bools

Boolean operators/expressions: produce boolean value

and



n and y both x, y have to be true for expression to be true

Or

either n or y have to be true for expression to be true

XOV

n Xov y Stricter definition on or. both n and y cannot be true at same time

hot \* only has 1 input

not x flips boolean value of x true becomes false, false becomes true

print 
$$\left( \text{not } \left( 3 = 3 \right) \right)$$

$$\Rightarrow \text{False}$$

Define P Xor Q

Truth tables: (an help us construct more complex boolean operators xor b CAN'T write in python

Thought question: Create an xor function using not, and, or a n 3 a truth table

Hint: think deeply about what xor means

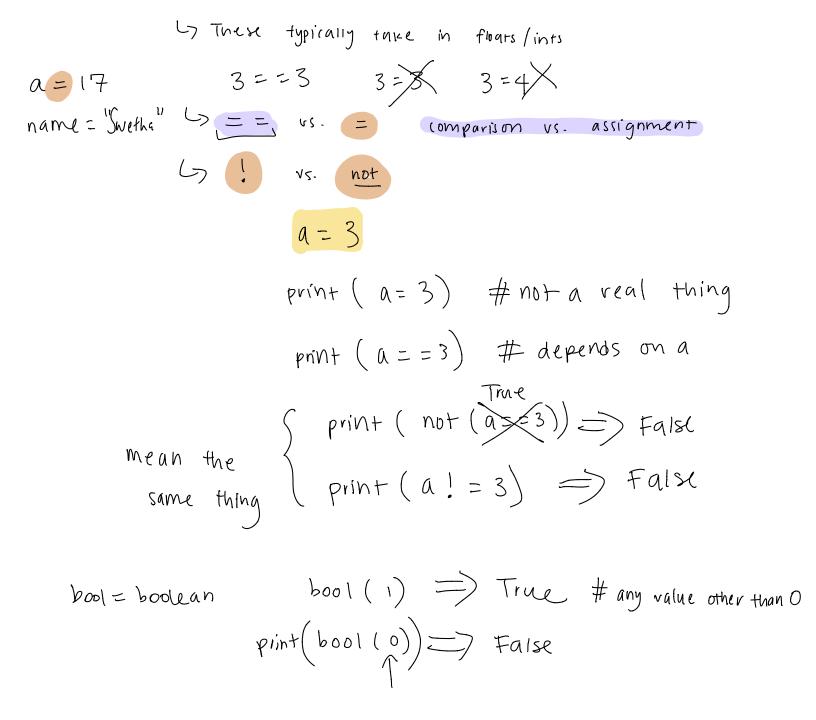
Stor O | D Q P and Q not(PandQ) Por Q Por Q AND not (P and Q) T F T F F F T F T F F F F

> Other functions print (5 ≥ 3) True

The False

print (3==3) True

print (3!=4) and 3==3) The print (3!=3) of 3==3) The and 3==3 The



short circuiting: