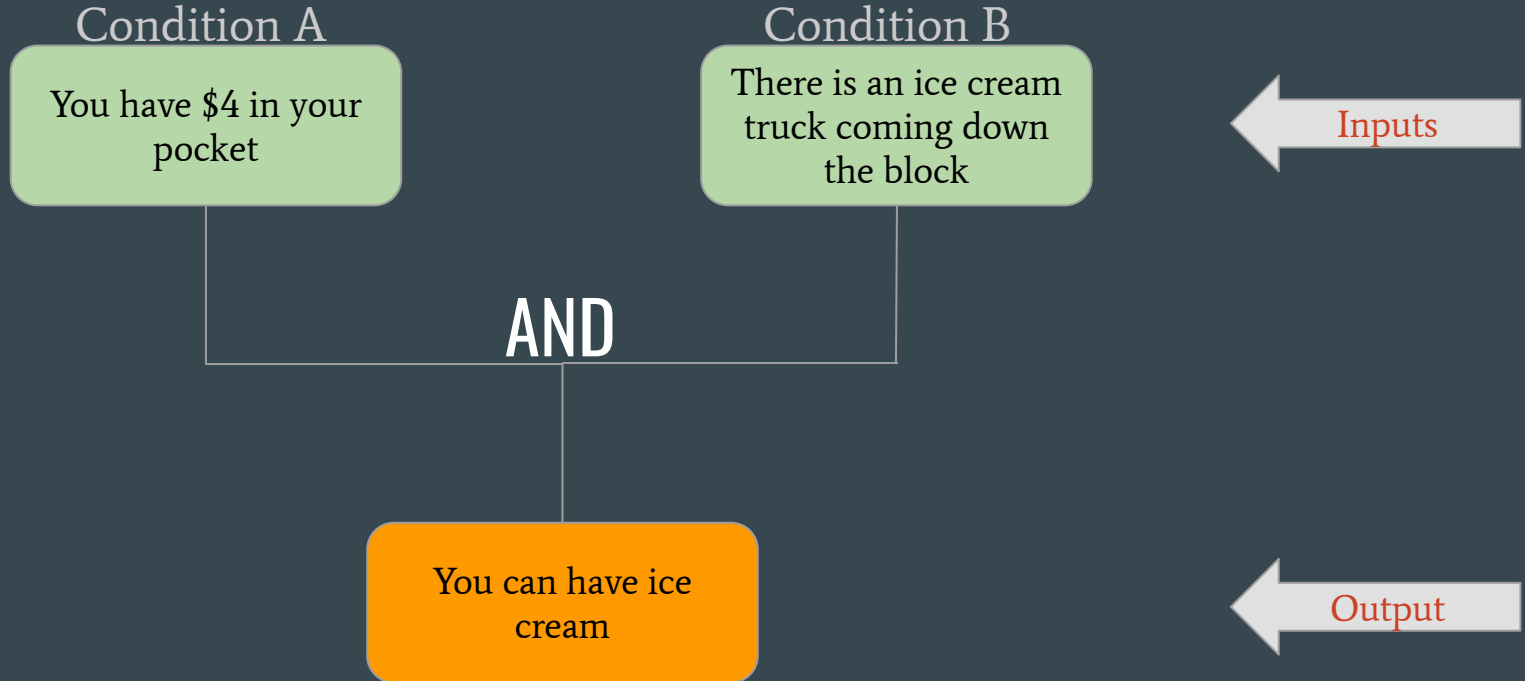


Engage

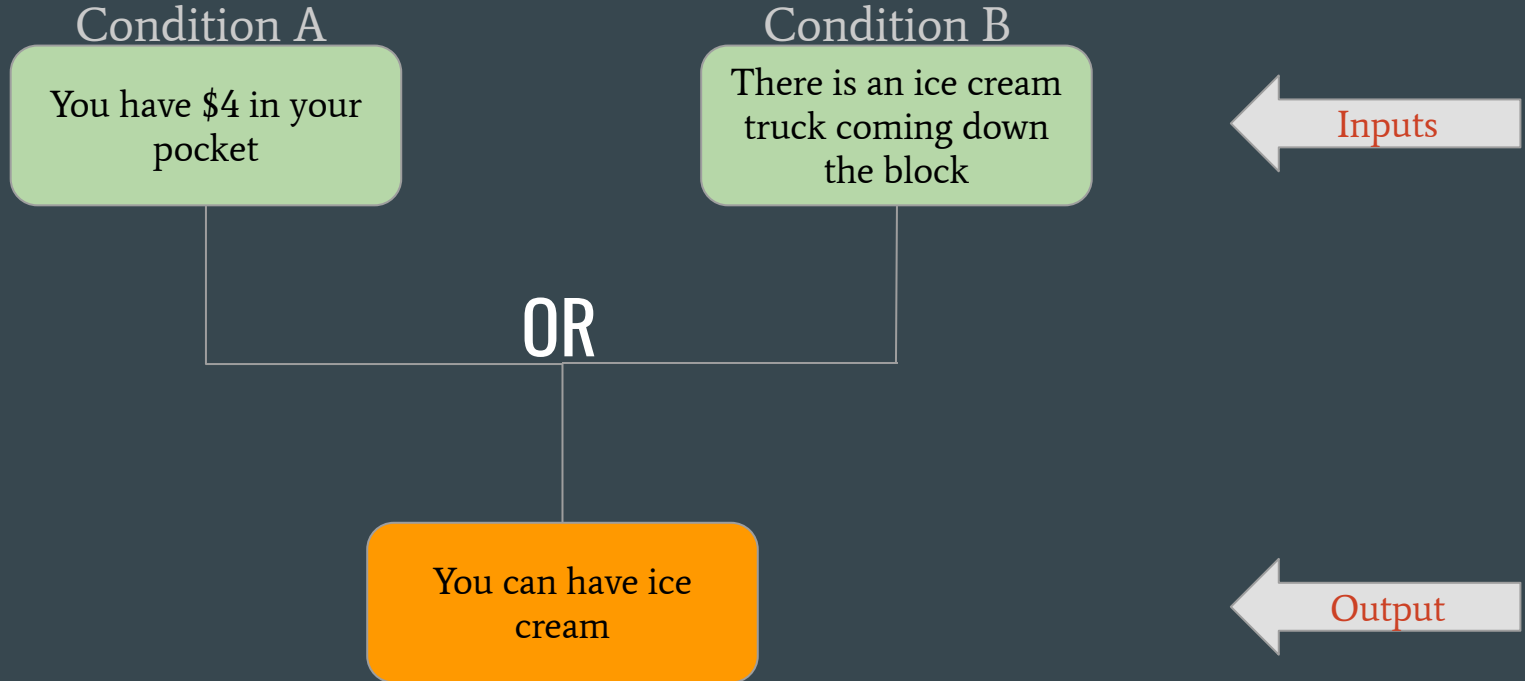
...

Lesson 12: Logic and Control

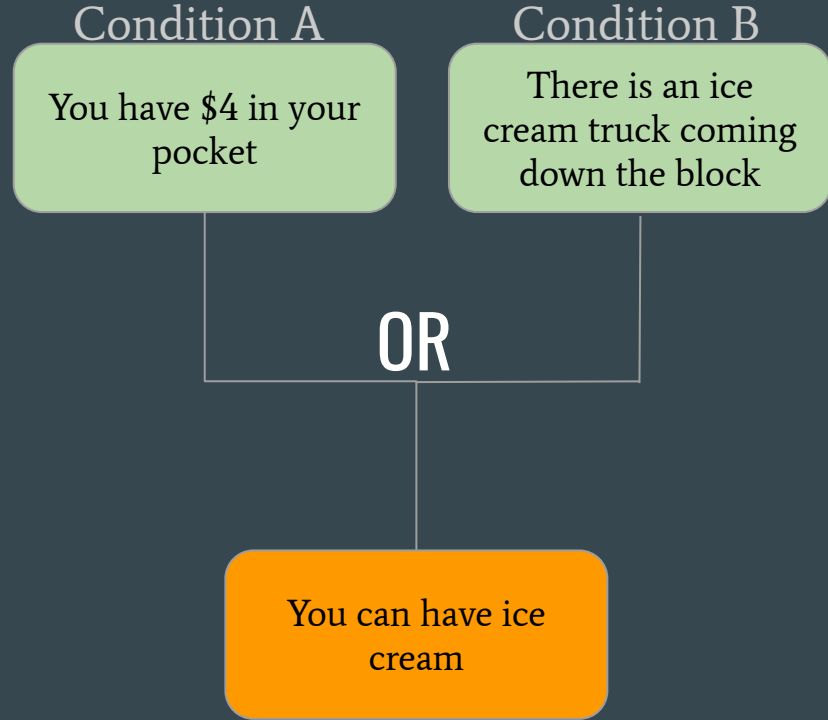
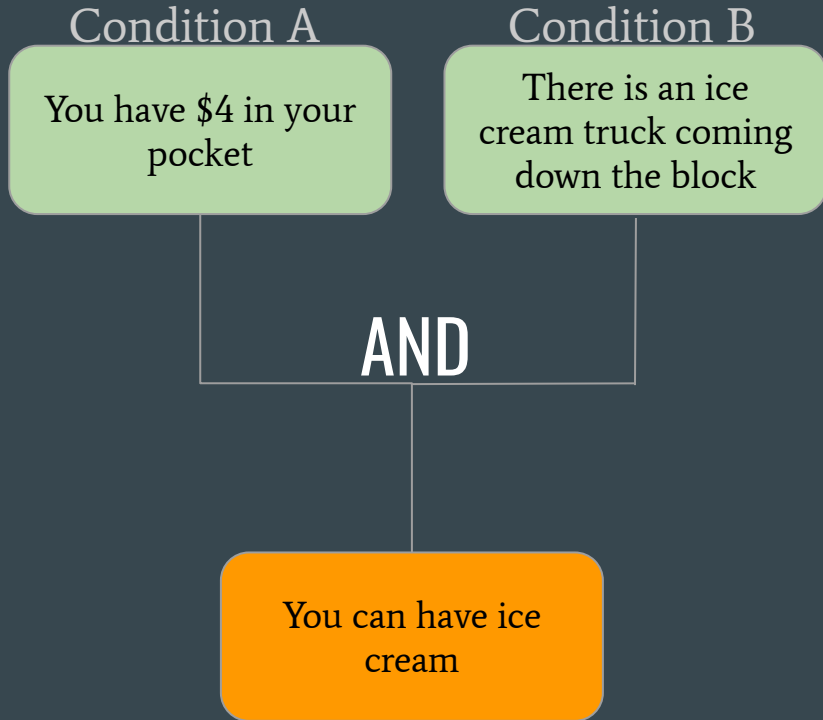
And Statement



OR Statement



What is the Difference?



Truth Table

A Condition	B Condition	A AND B	A OR B
False	False	False	False
False	True	False	True
True	False	False	True
True	True	True	True

All Together!

Condition A

You have \$4 in your pocket

Condition B

There is an ice cream truck coming down the block

AND

You can have ice cream

A Condition	B Condition	A AND B	A OR B
False	False	False	False
False	True	False	True
True	False	False	True
True	True	True	True

Condition A

You have \$4 in your pocket

Condition B

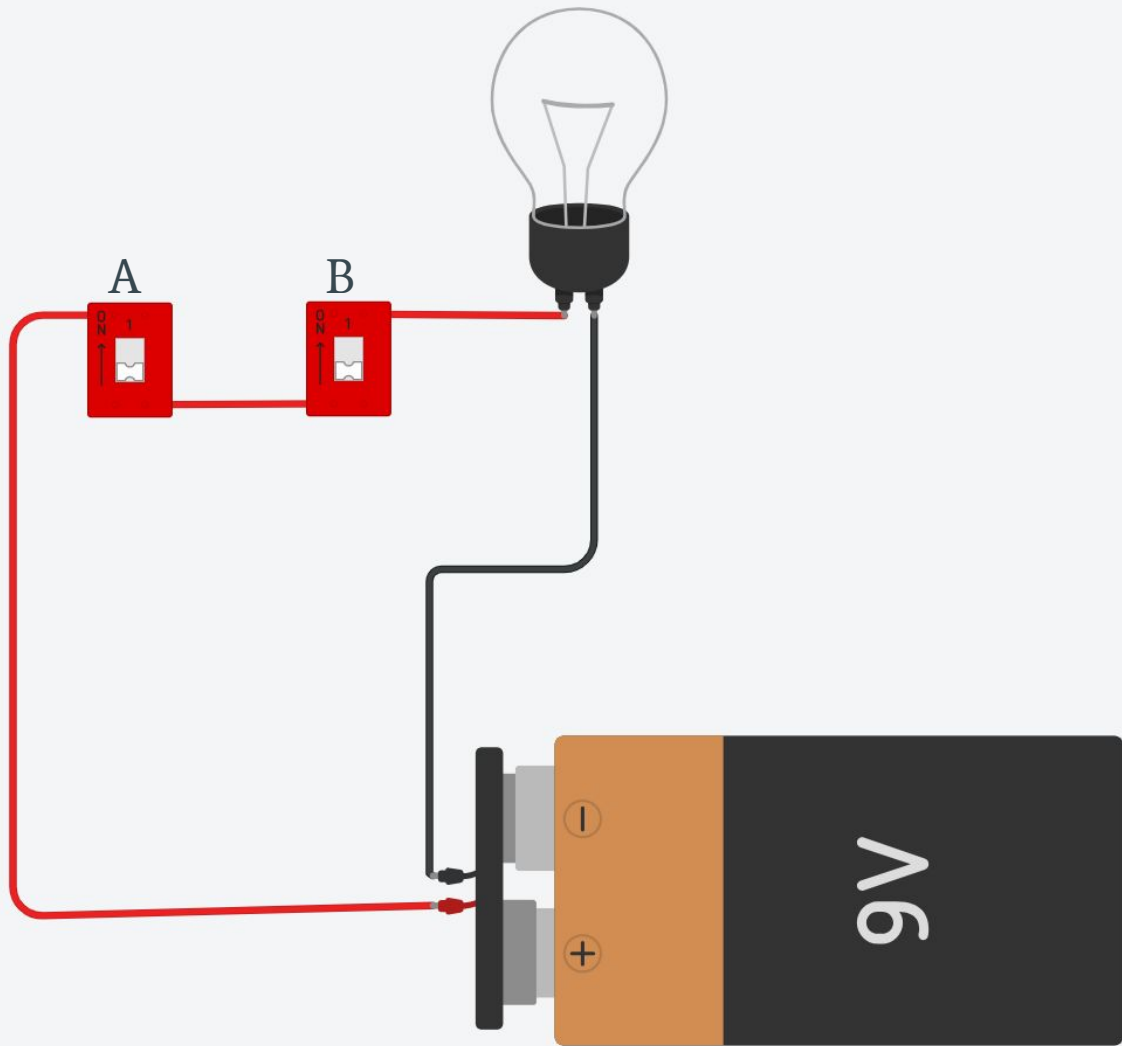
There is an ice cream truck coming down the block

OR

You can have ice cream

AND Circuit

Output is only true (lit up) if
BOTH A **AND** B are both true (on)



OR Circuit

Output is only true (lit up) if
EITHER A **OR** B are true (on)

