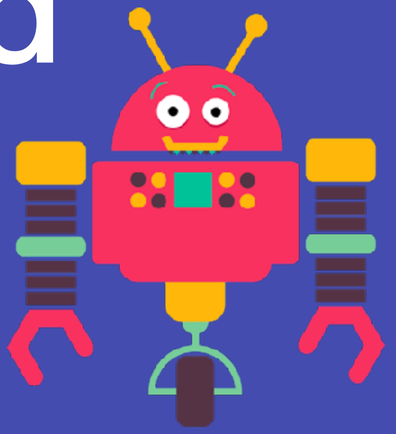
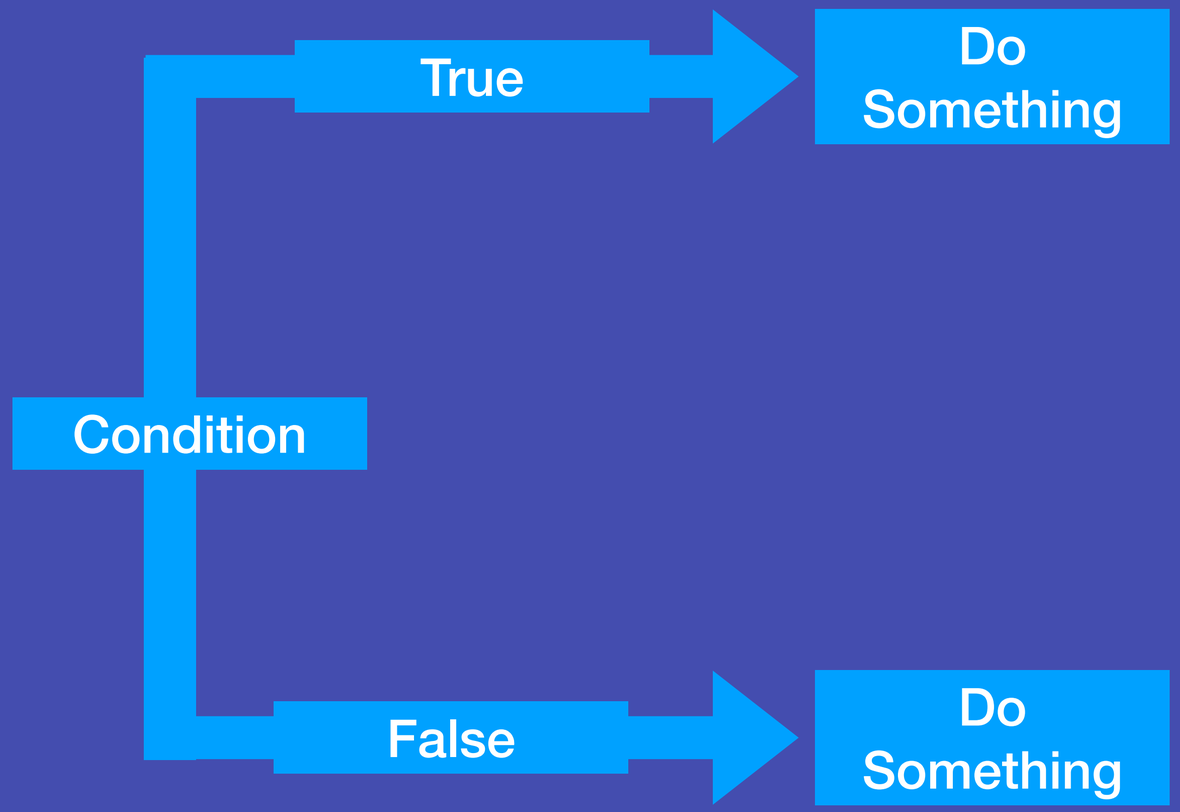
Coding Unplugged

Round #2

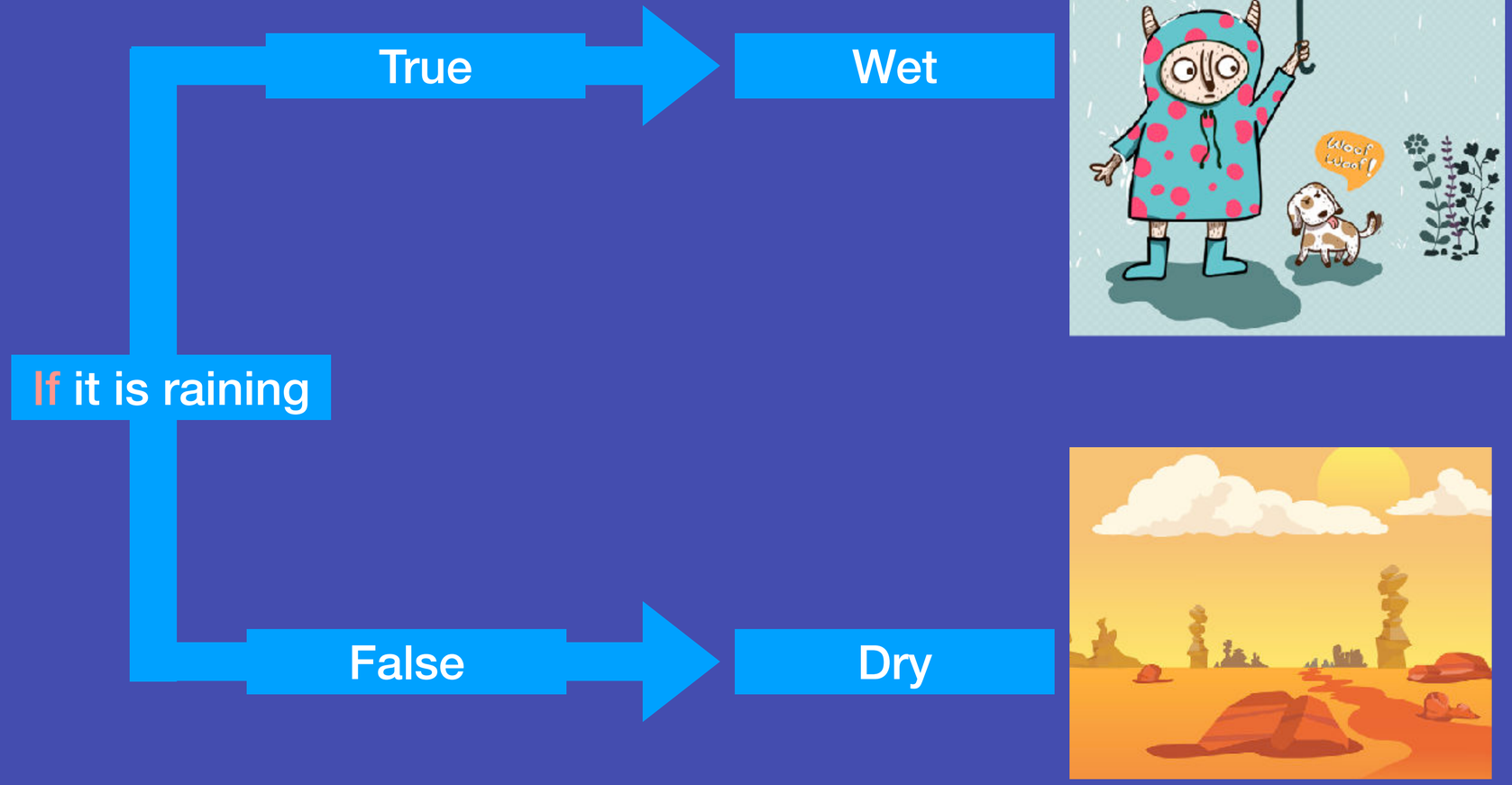


DIGITAL PLAYHOUSE

The If Statement



If it is raining



Green Go!

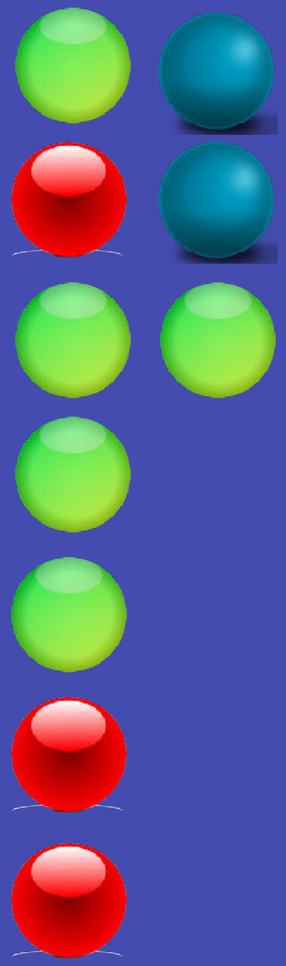
If the light is GREEN

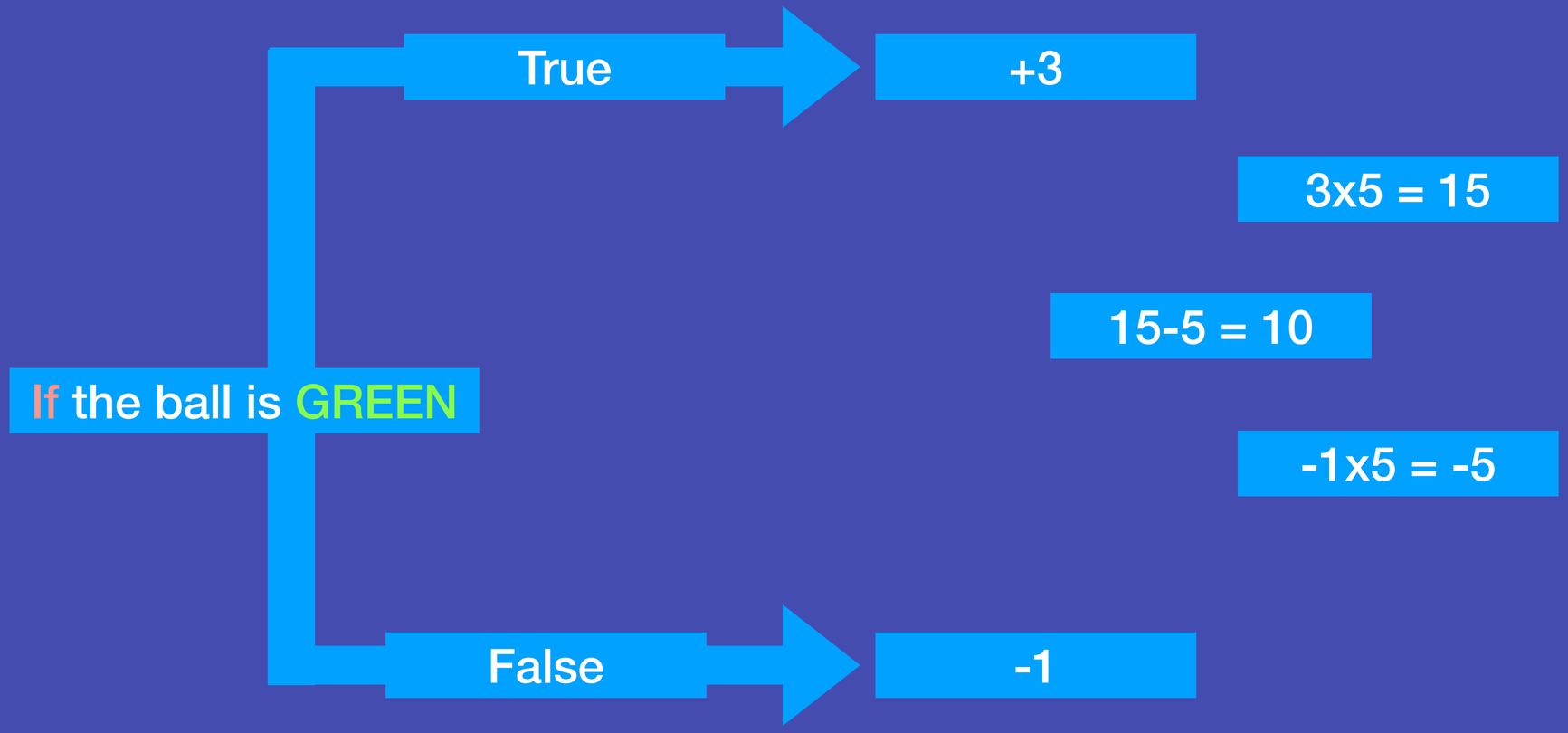
True → Go

False → Stop

DIGITAL PLAYHOUSE

Count the number

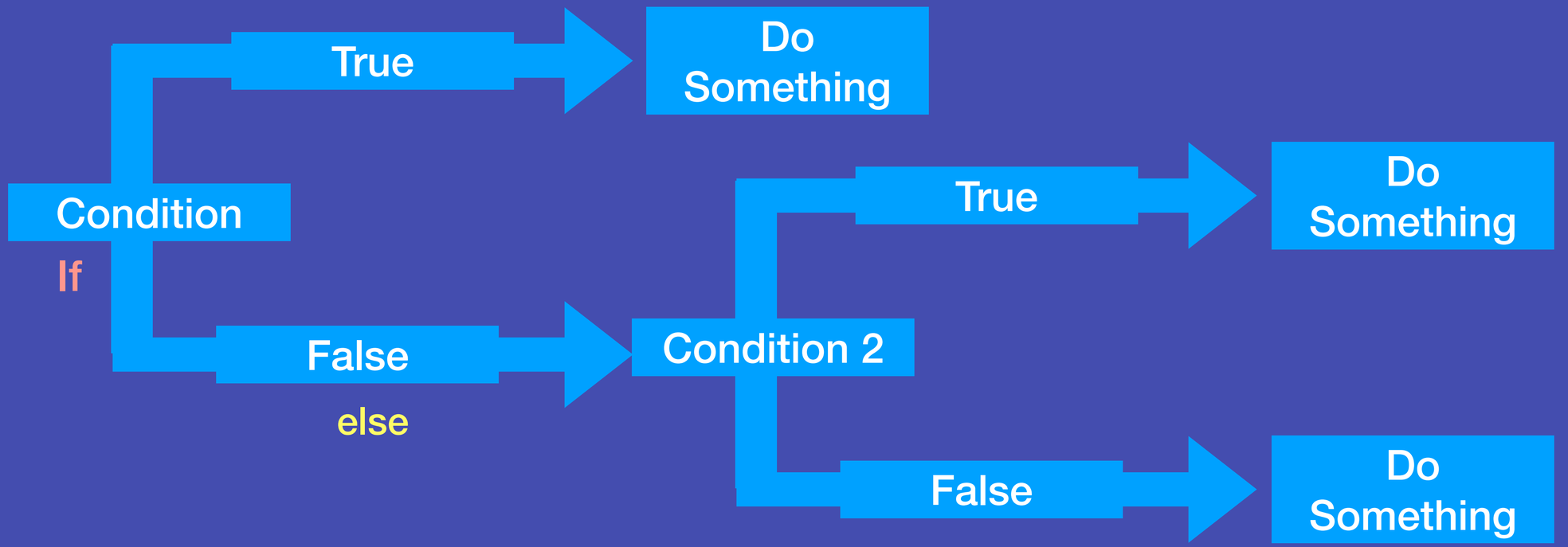




What number did you get?

DIGITAL PLAYHOUSE

If else Statement



Red Stop

If the light is GREEN

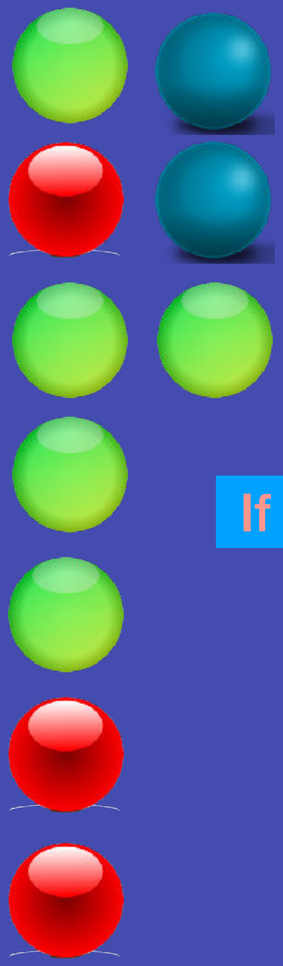
- True → Go
- False → else

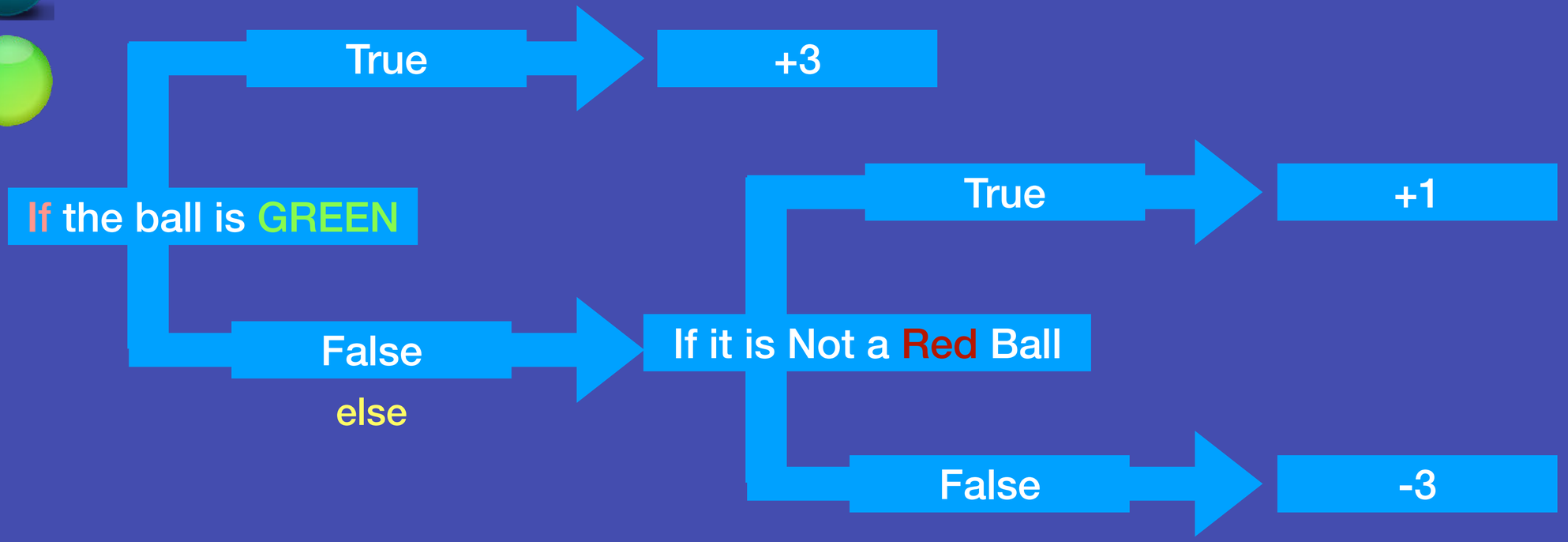
If the light is RED

- True → Stop
- False → Slow

DIGITAL PLAYHOUSE

Count the number





What number did you get?

DIGITAL PLAYHOUSE

What to wear ? (Debugging)

Rainy Day

Sunny Day

Rainy Day

Sunny Day

Snowy Day

If it is not Raining

True

False

If it is Snowing

True

False

How many times did you wear the snow coat ?

What to wear ? (Part 2)

Rainy Day

Sunny Day

Rainy Day

Sunny Day

Snowy Day

If it is Raining

True

False

If it is Snowing

True

False

How many times did you wear the snow coat ?

DIGITAL PLAYHOUSE

Logic Gates

And

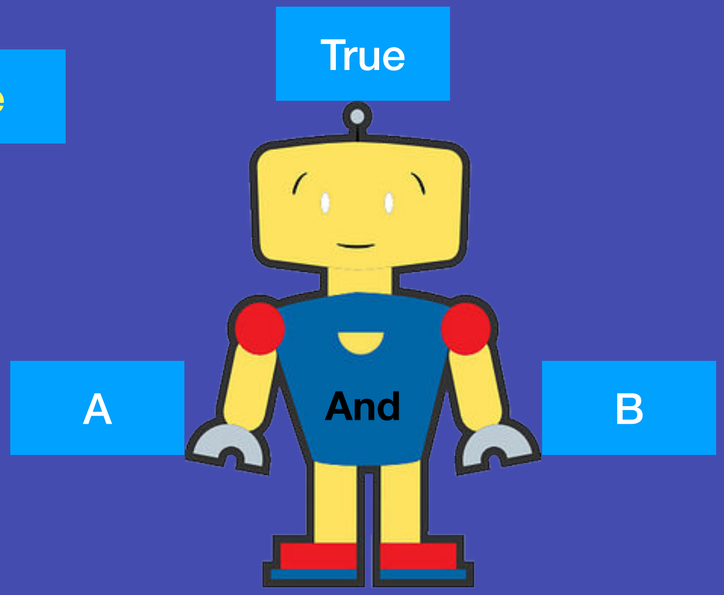
Or

Not

The And Robot

I can say ‘True’ only when: A is True “AND” B is True

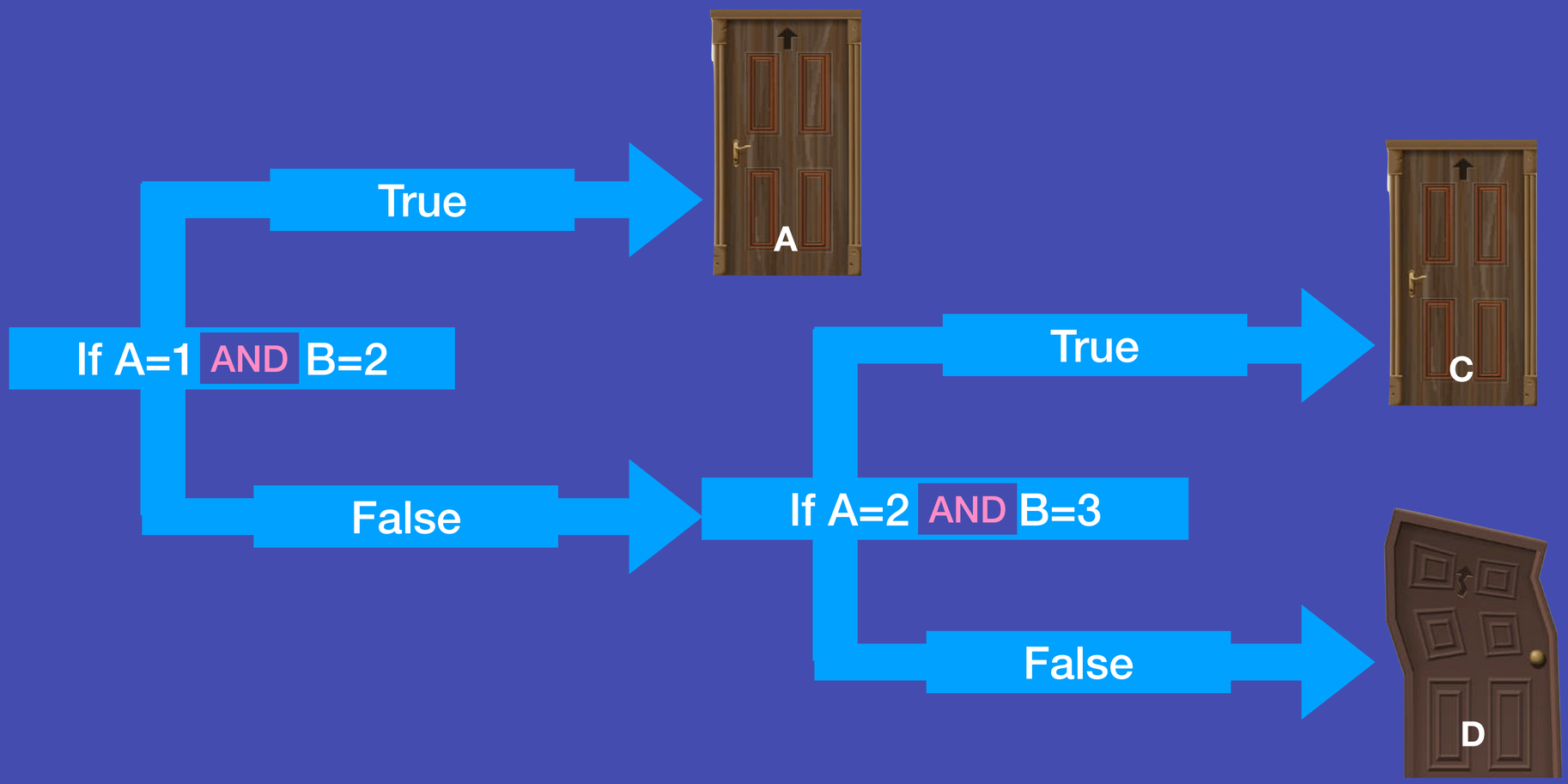
A	B
Today is Friday	Yesterday was Thursday
3+3 = 6	7-3 = 4
The Cat has 2 legs	The Tiger has 4 legs
The cat says meow	The bird can fly



DIGITAL PLAYHOUSE

Which door will open?

A	B
1	2
1	1
1	2
1+1	2
2	2+1

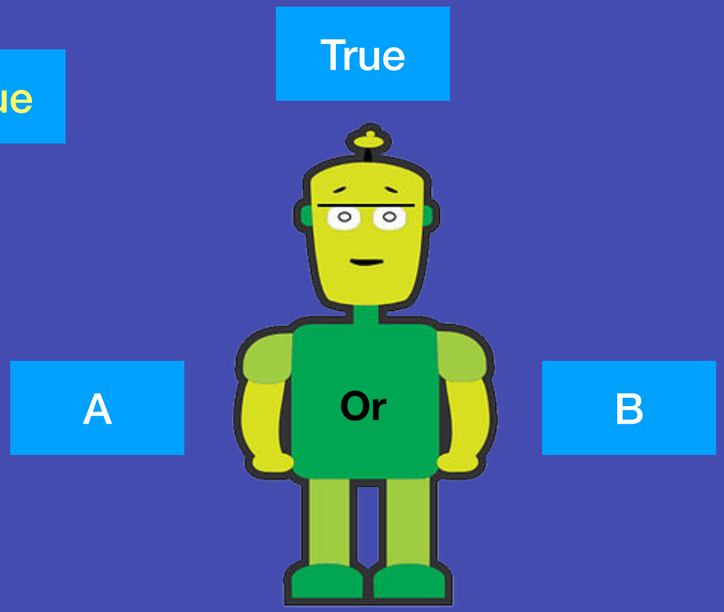


DIGITAL PLAYHOUSE

The Or Robot

I can say True only when: [1] A is True "OR" [2] B is True

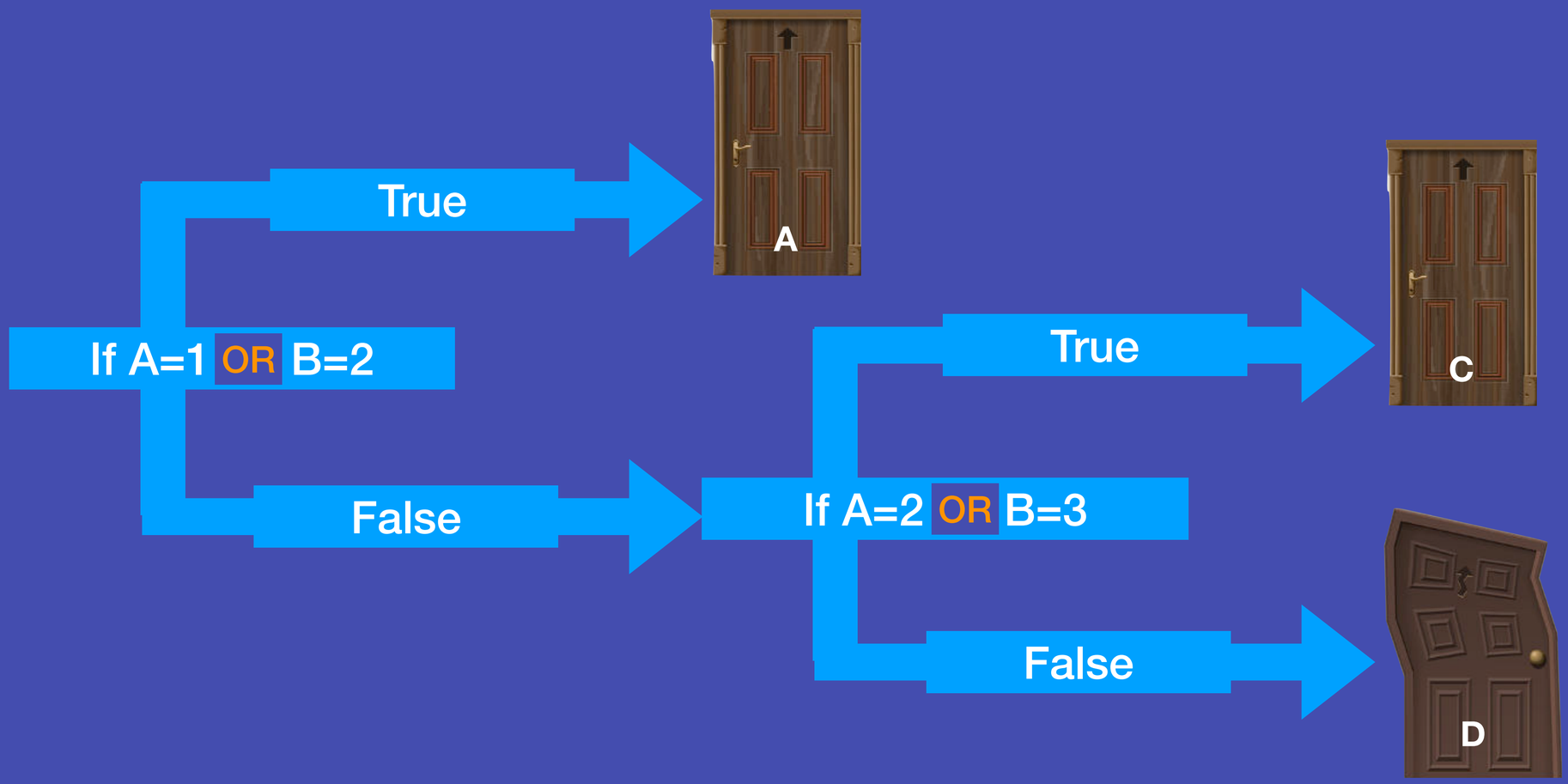
A	B
Today is Friday	Yesterday was Friday
1+3 = 6	7-3 = 4
The cat has 4 legs	The tiger can fly
The cat says buzzz	The monkey can fly



DIGITAL PLAYHOUSE

Which door will open?

A	B
1	2
1	1
1	2
1+1	2
2	2+1



DIGITAL PLAYHOUSE

The Not Robot

I always change the answer from true to false or false to true

!A

A

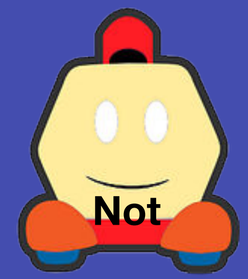
Today is Friday

1+3 = 6

The cat has 4 legs

The cat says buzzz

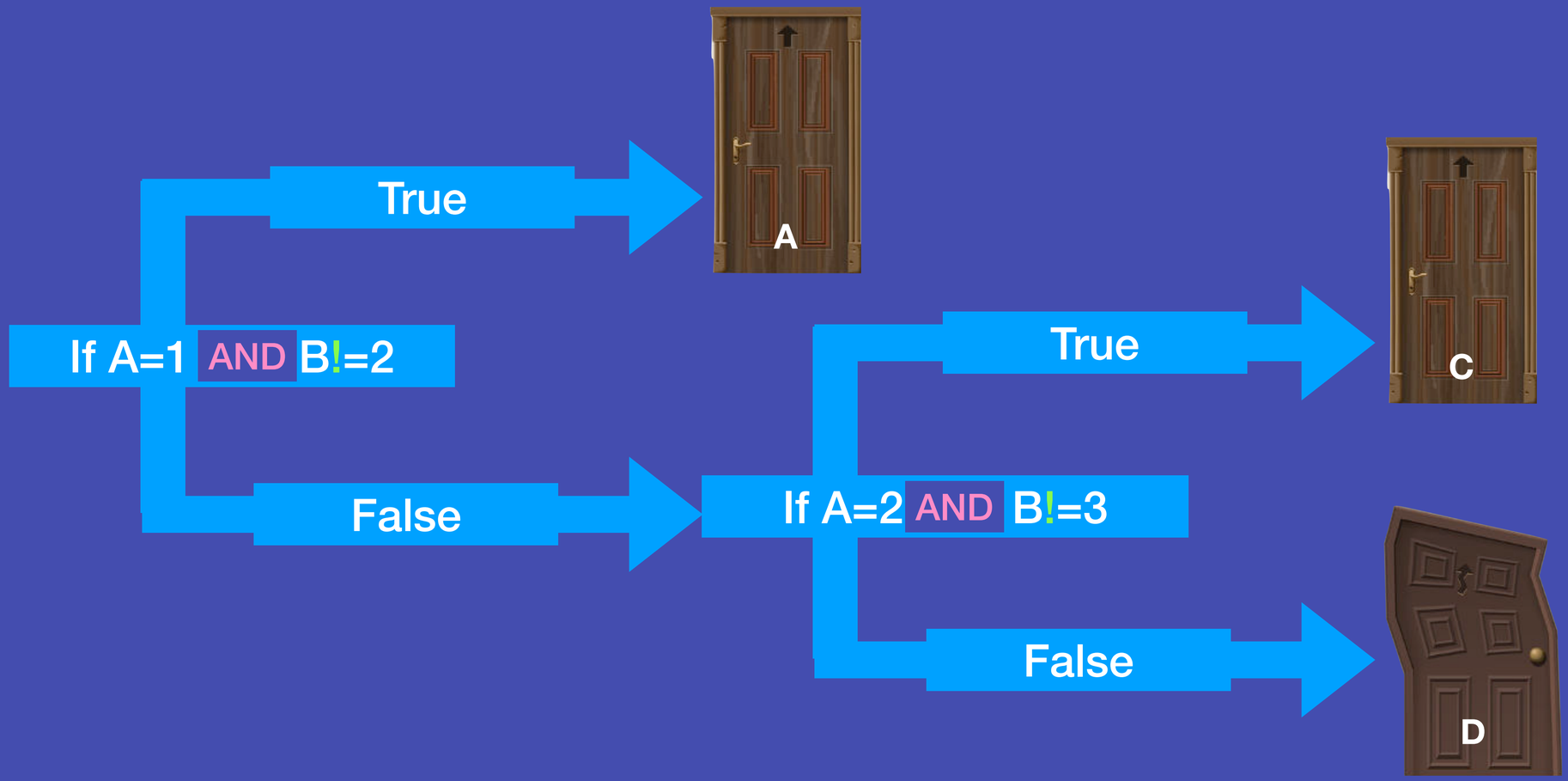
A



DIGITAL PLAYHOUSE

Which door will open?

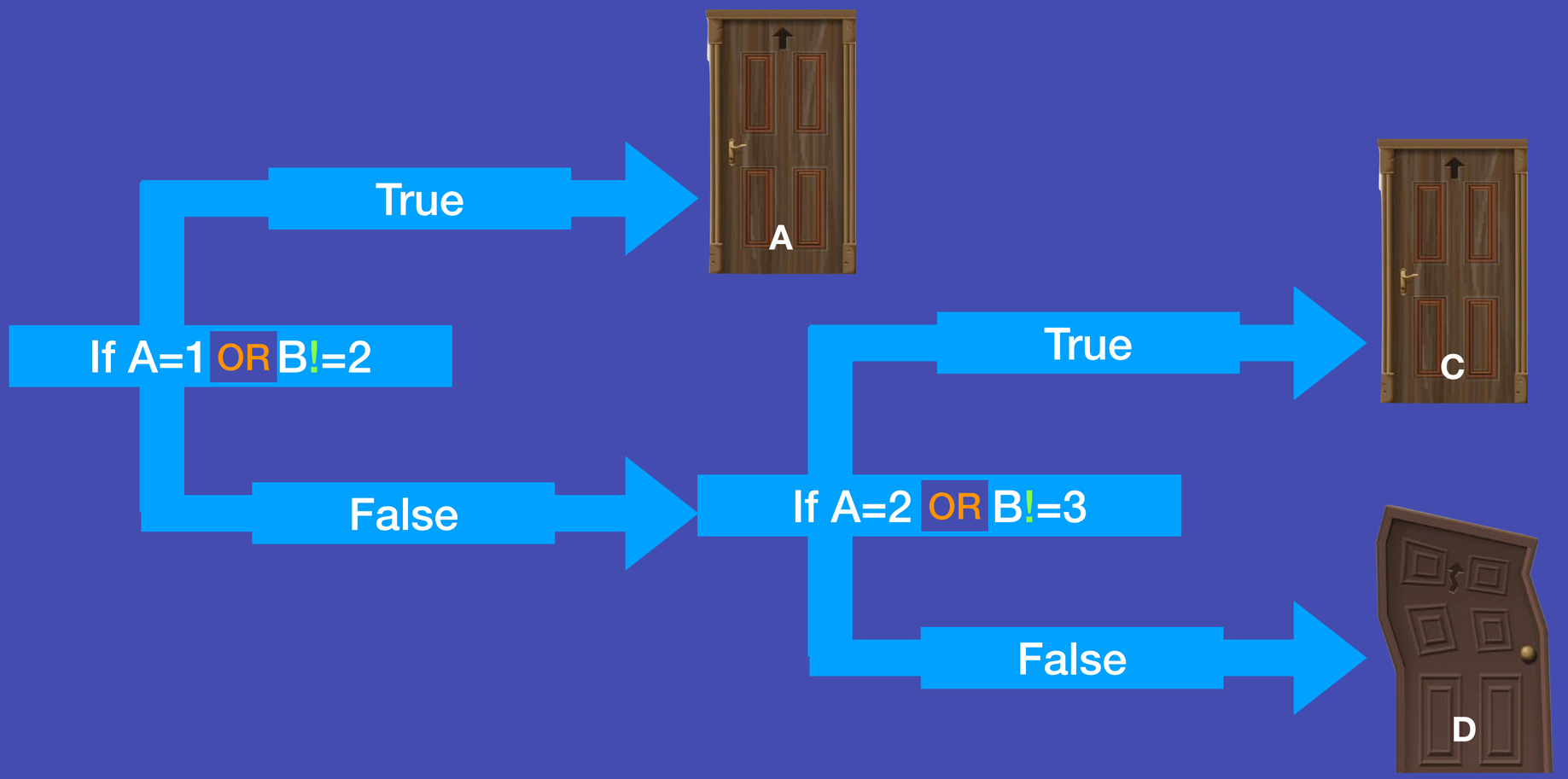
A	B
1	2
1	1
1	2
1+1	2
2	2+1



DIGITAL PLAYHOUSE

Which door will open?

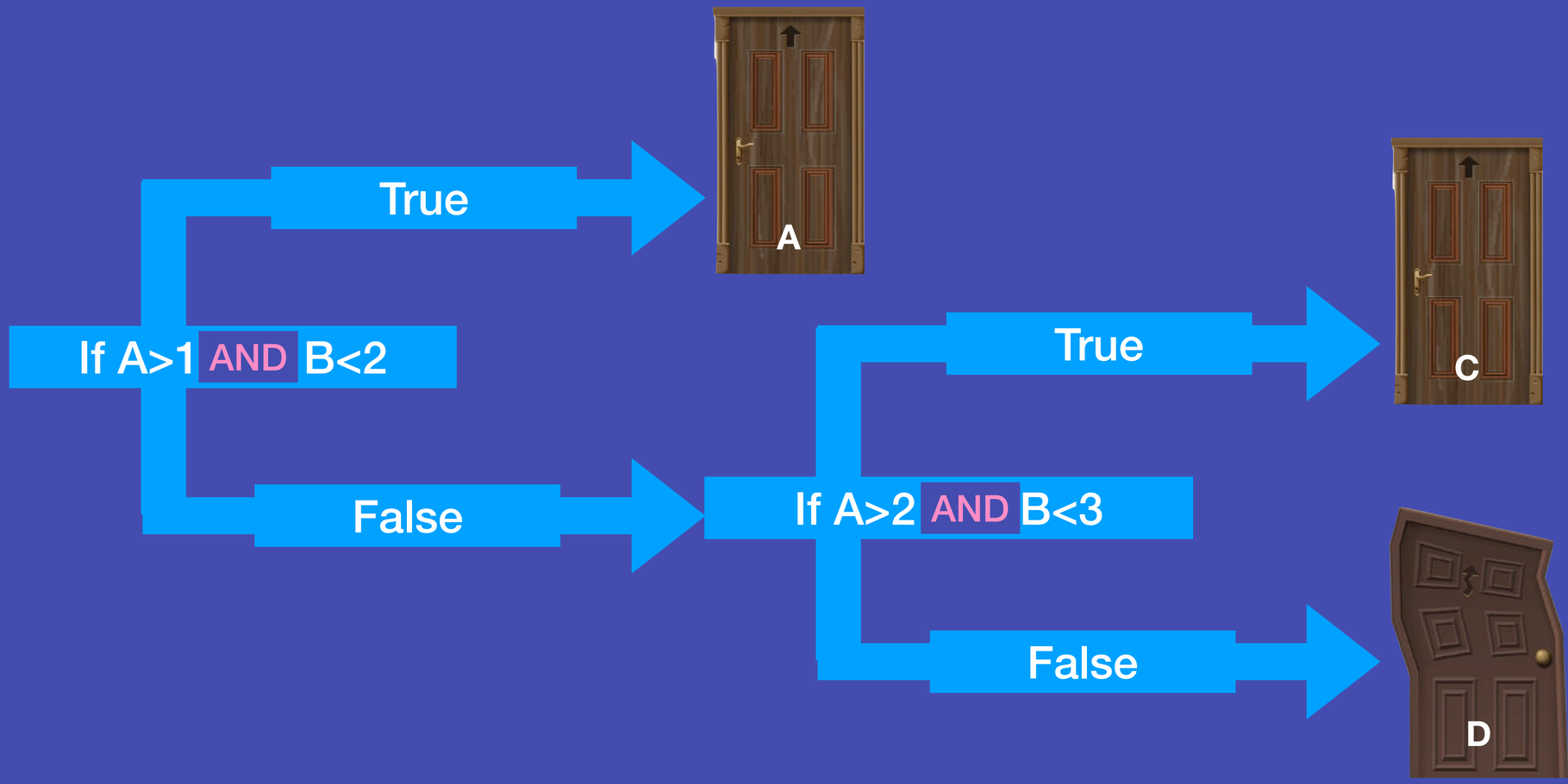
A	B
1	2
1	1
1	2
1+1	2
2	2+1



DIGITAL PLAYHOUSE

Which door will open?

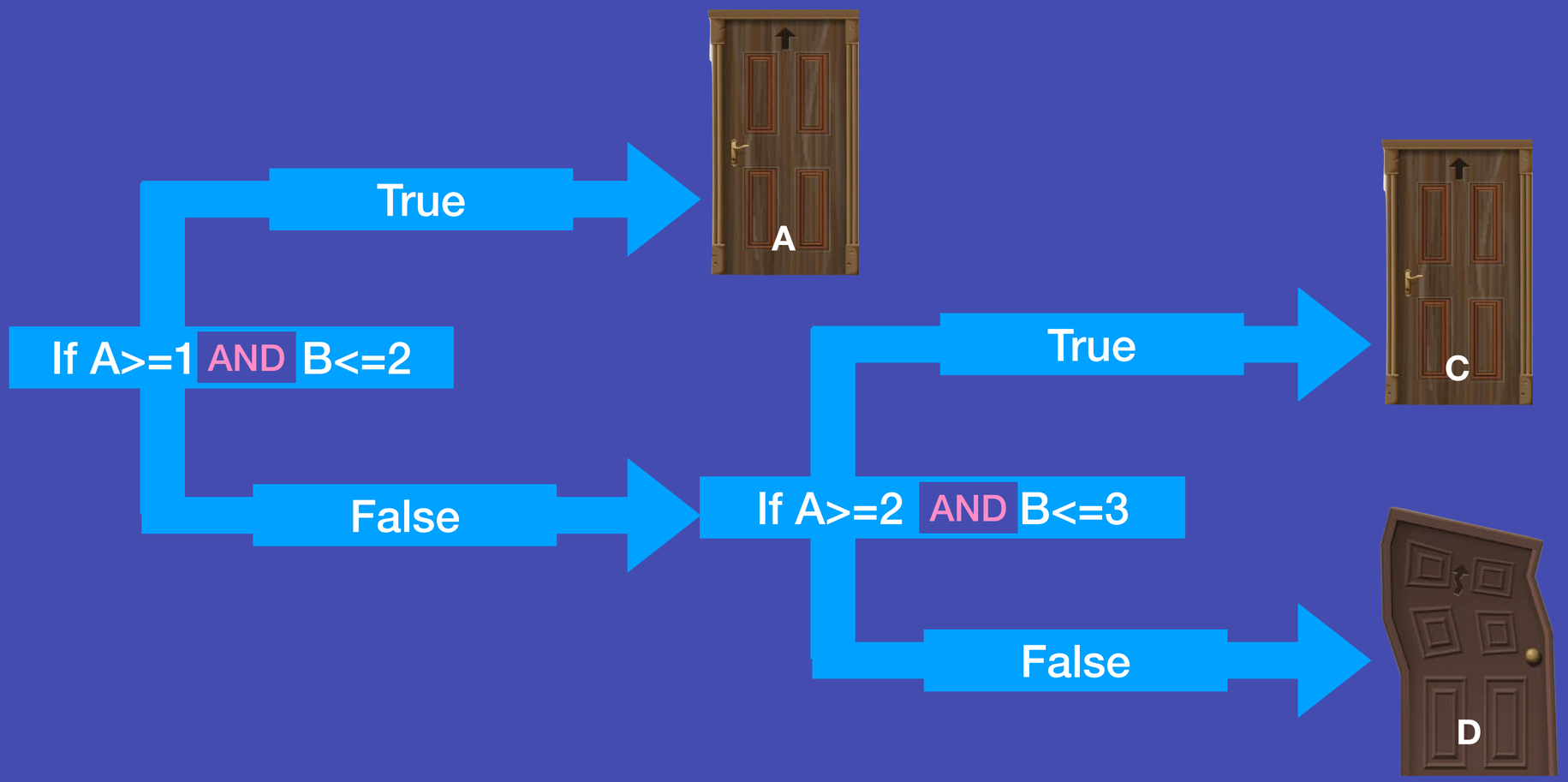
A	B
1	2
1	1
1	2
1+1	2
2	2+1



DIGITAL PLAYHOUSE

Which door will open?

A	B
1	2
1	1
1	2
1+1	2
2	2+1



DIGITAL PLAYHOUSE