Review for Quiz 2

Take out any notes you have!

Quiz Topics

Abstraction

Binary

Boolean Logic

Functions

Current events

Blow to Bits

Review Game!

Divide into 4 teams
(2 per table)

Review Game!

Each team will come up with an answer as a team and **write it down.**

Have someone raise their hand when your team has an answer.

Abstraction

Give a definition of Abstraction

Abstraction

How is Binary related to Abstraction?

Abstraction

Name the technique that lets us abstract details in programming

Abstraction

Give an example of something in the real world that's an Abstraction.

Explain why.

Binary

What is does base 10 and base 2 mean?

Binary

Convert this number to base 10

11101001

Binary

Convert this number to base 10

11101001 = 233

Binary

Convert these numbers to base 10

10111

1100110010

11101100

Binary

Convert these numbers to base 10

10111 = 23

1100110010 = 818

11101100 = 236

Binary

Convert this number to base 2

86

Binary

Convert this number to base 2

86 = 1010110

Binary

Convert these numbers to base 2

93

61

234

Binary

Convert these numbers to base 2

93 = 1011101

61 = 111101

234 = 11101010

Binary

How is binary related to abstraction?

Boolean Logic

Evaluate this expression

(True and not False) or
not (True or False)

Boolean Logic

Evaluate this expression

True

(True and not False) or

not (True or False)

Boolean Logic

Evaluate this expression

(False and True) and
not ((True or True) or (True and False))

Boolean Logic

Evaluate this expression

False

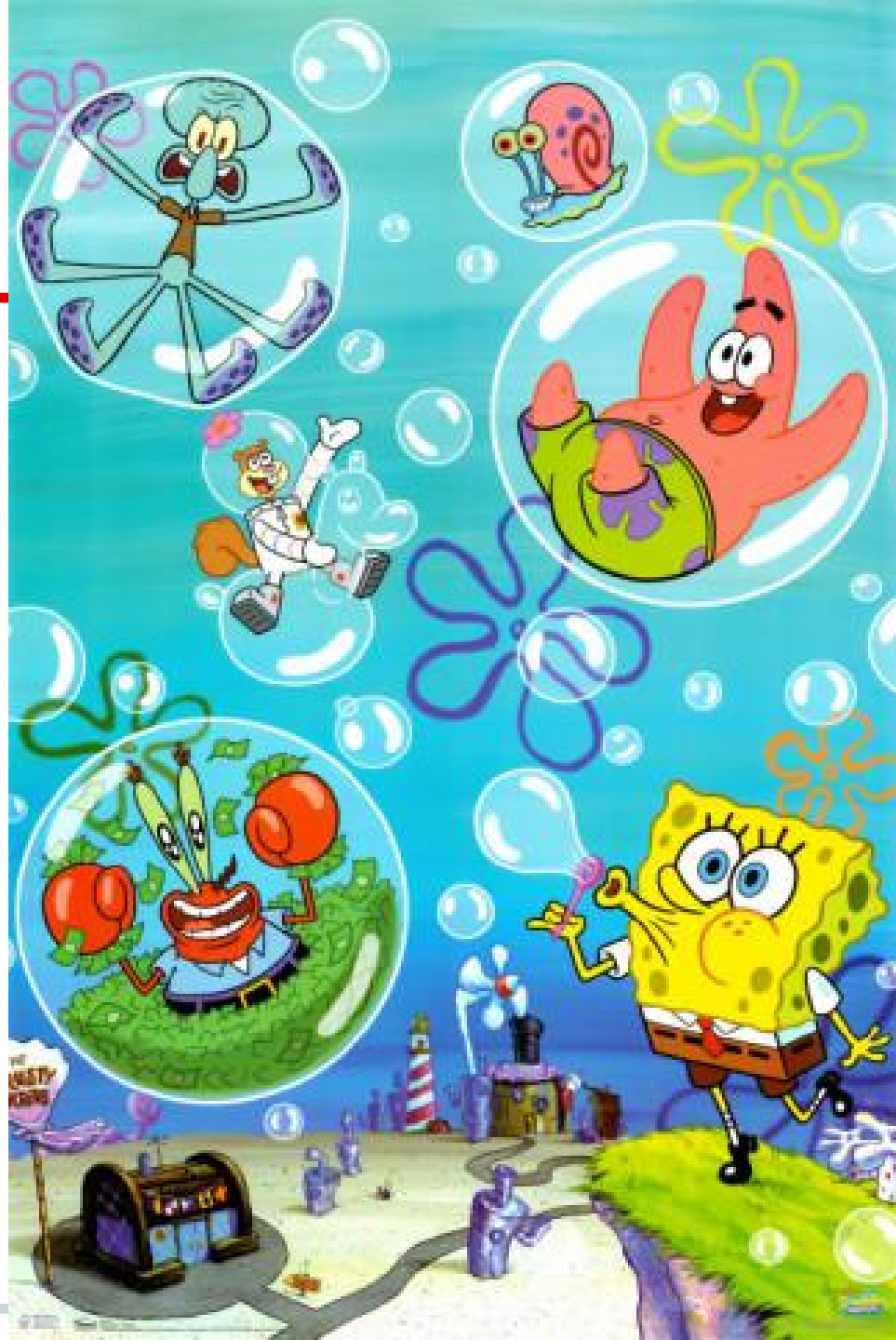
(False and True) and

not ((True or True) or (True and False))

Boolean Logic

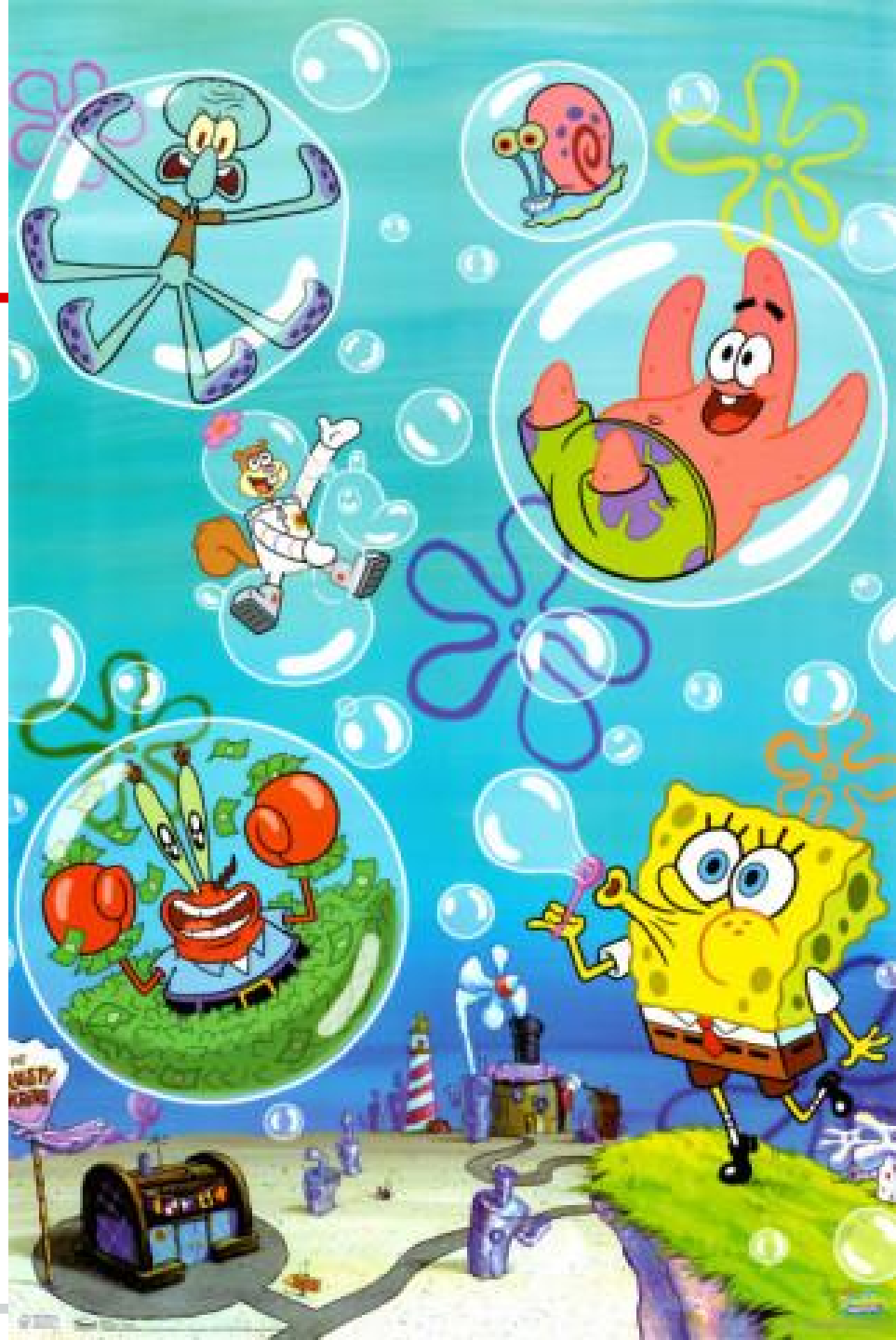
Evaluate this expression

Number of animals in bubbles > 3



Boolean Logic

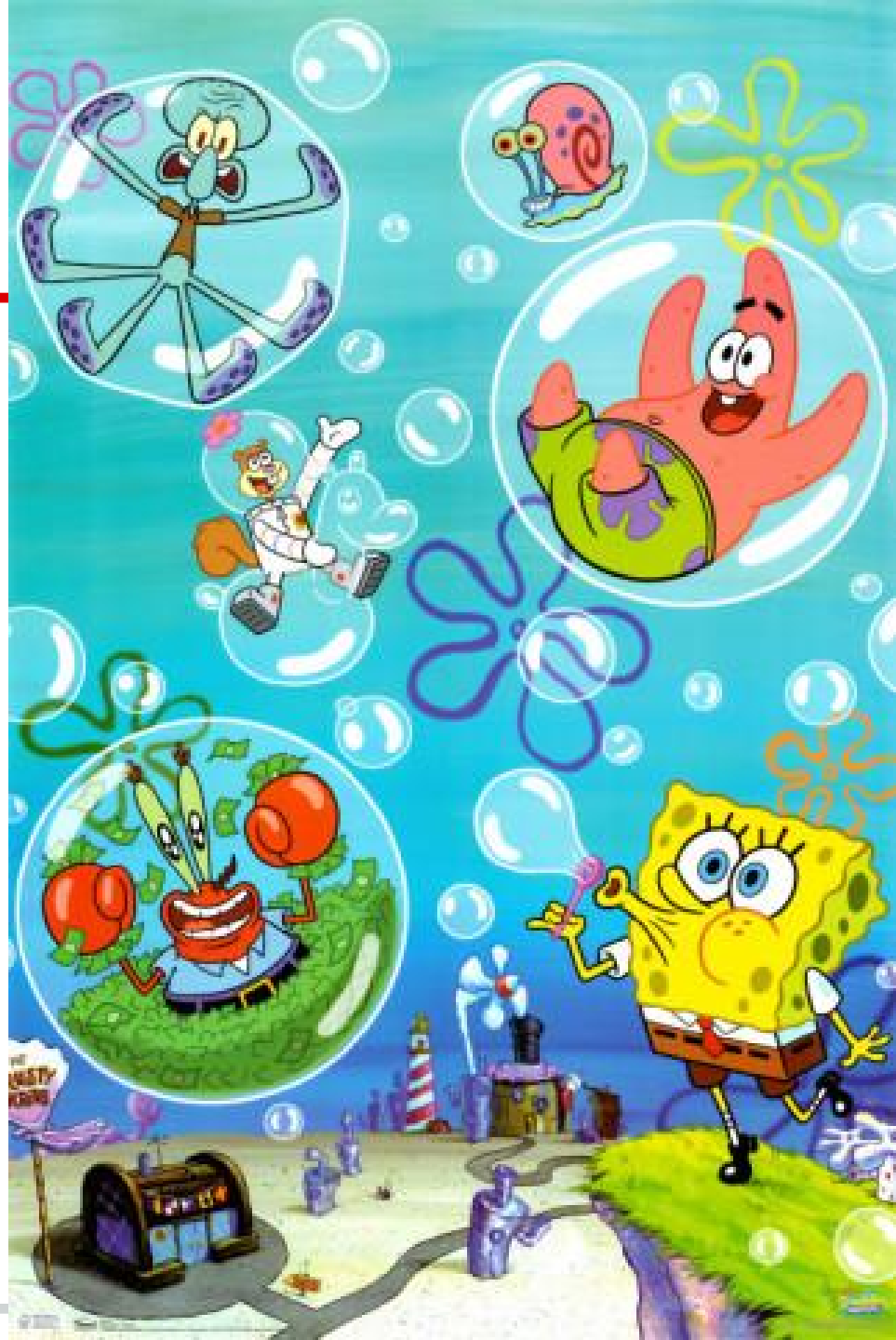
(Snail is blowing a bubble) OR (Snail is inside a bubble)



Boolean Logic

(NOT (Starfish has shoes)) AND

(SpongeBob has shoes)



Functions

What is a function?

Functions

Why do we use functions?

Functions

What are the three types of functions?

Functions

After using a **reporter function**, has anything in the program changed?

Functions

After using a **command function**, has anything in the program changed?

Functions

Where in our script do we most commonly use **predicate functions**?

Command, Reporter, or Predicate?

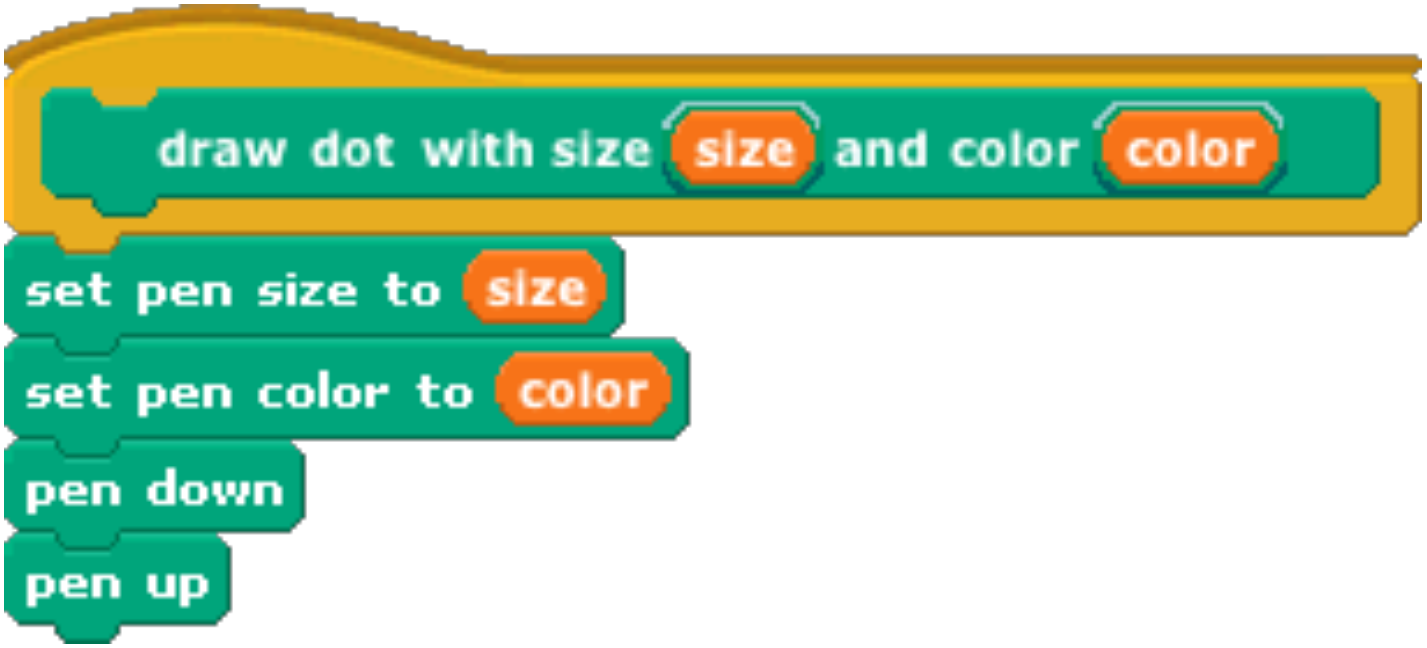
Command, Reporter, or Predicate?

Command, Reporter, or Predicate?

Command, Reporter, or Predicate?

Command, Reporter, or Predicate?

Command, Reporter, or Predicate?



Command, Reporter, or Predicate?

Current events

Describe one study from the article "Why Are There Still So Few Women in Science" that suggests interest, ability and success in science is dependant on culture.

Blown to Bits

In a search engine, what is an Index?

Blown to Bits

What does Google's PageRank use to determine how important a page is?

Resources to review on your own

Function types lesson

Binary Worksheet

Blown to Bits #2 and #3

Latest Current Events Reading

Quiz tomorrow!