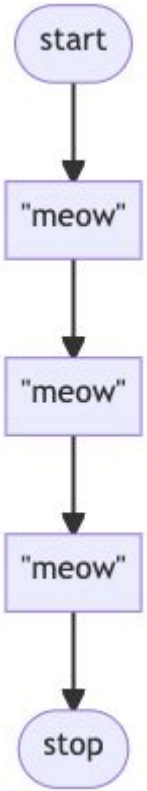
Introduction to

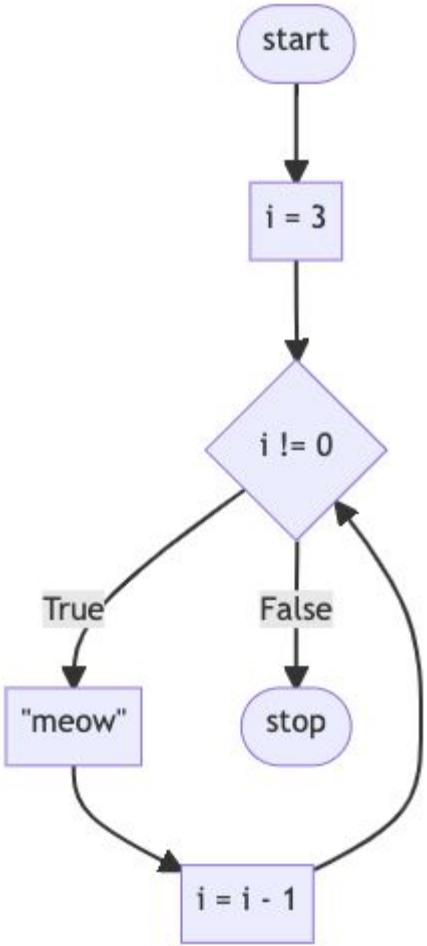
Programming with Python

Loops


start
"meow"
"meow"
"meow"
stop

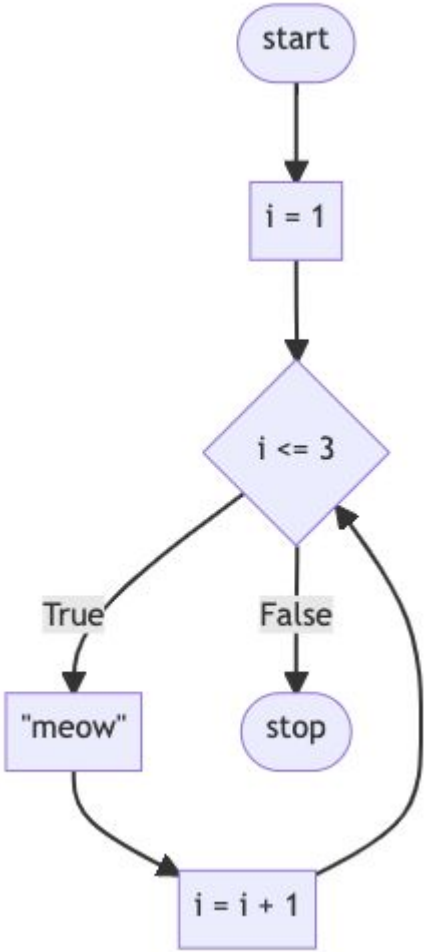
While

- Way to express loop
- Asks a question
- Generally paired with do



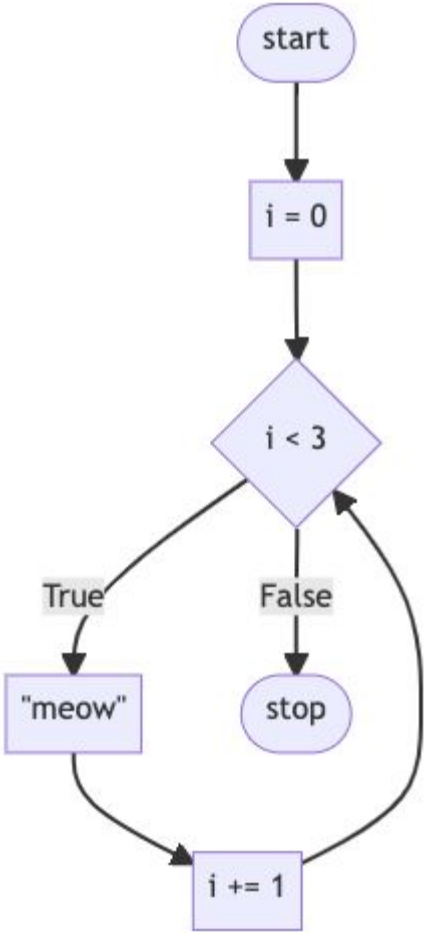
This will loop until i = 0 then the statement in diamond is not true and the loop will end.

Meow is printed 3 times



This will loop until i = 3 then the statement in diamond is not true and the loop will end.

Meow is printed 3 times



This will loop until i = 3then the statement in diamond is not true and the loop will end.

Meow is printed 3 times

For

- Type of loop

List

- Type of data
- Way of containing multiple values in a variable

Range

- Returns a range of values
- Starts at 0 and goes to BUT NOT THRU the value you give

Continue

- In Python, the continue keyword is used within loops (both for and while loops) to skip the remainder of the current iteration and proceed to the next iteration of the loop.

Break

- The break statement in Python is a control flow statement used to terminate the execution of a loop prematurely.

Return

- the return statement serves to exit a function and send a value or values back to the part of the program that called the function.

List

- List in square brackets

Len

- Length of a list

Dict

- dictionaries
- Allows you to associate 1 value with another
- More 2 dimensional

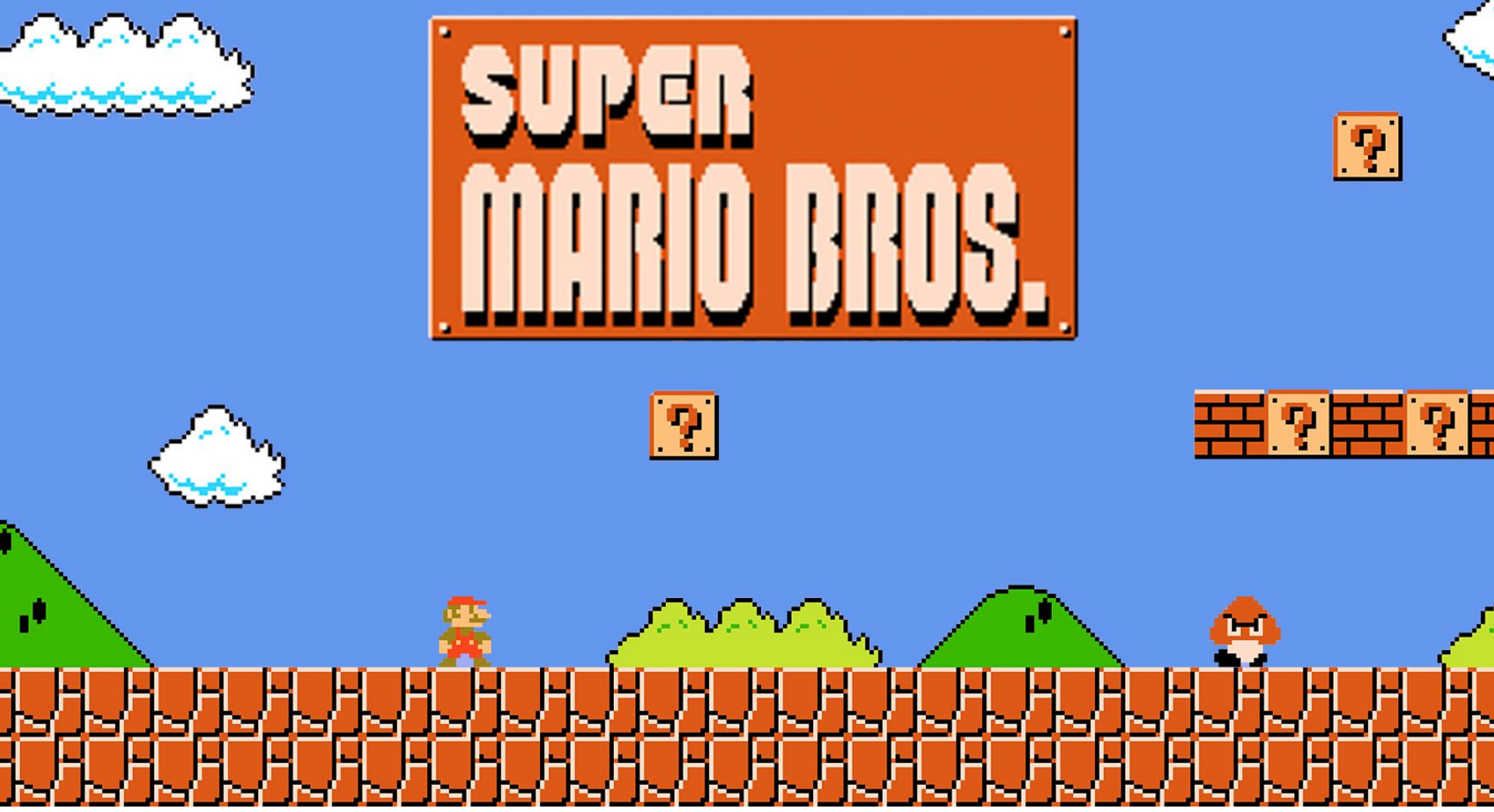
Hermione	Harry	Ron	Draco
Gryffindor	Gryffindor	Gryffindor	Slytherin

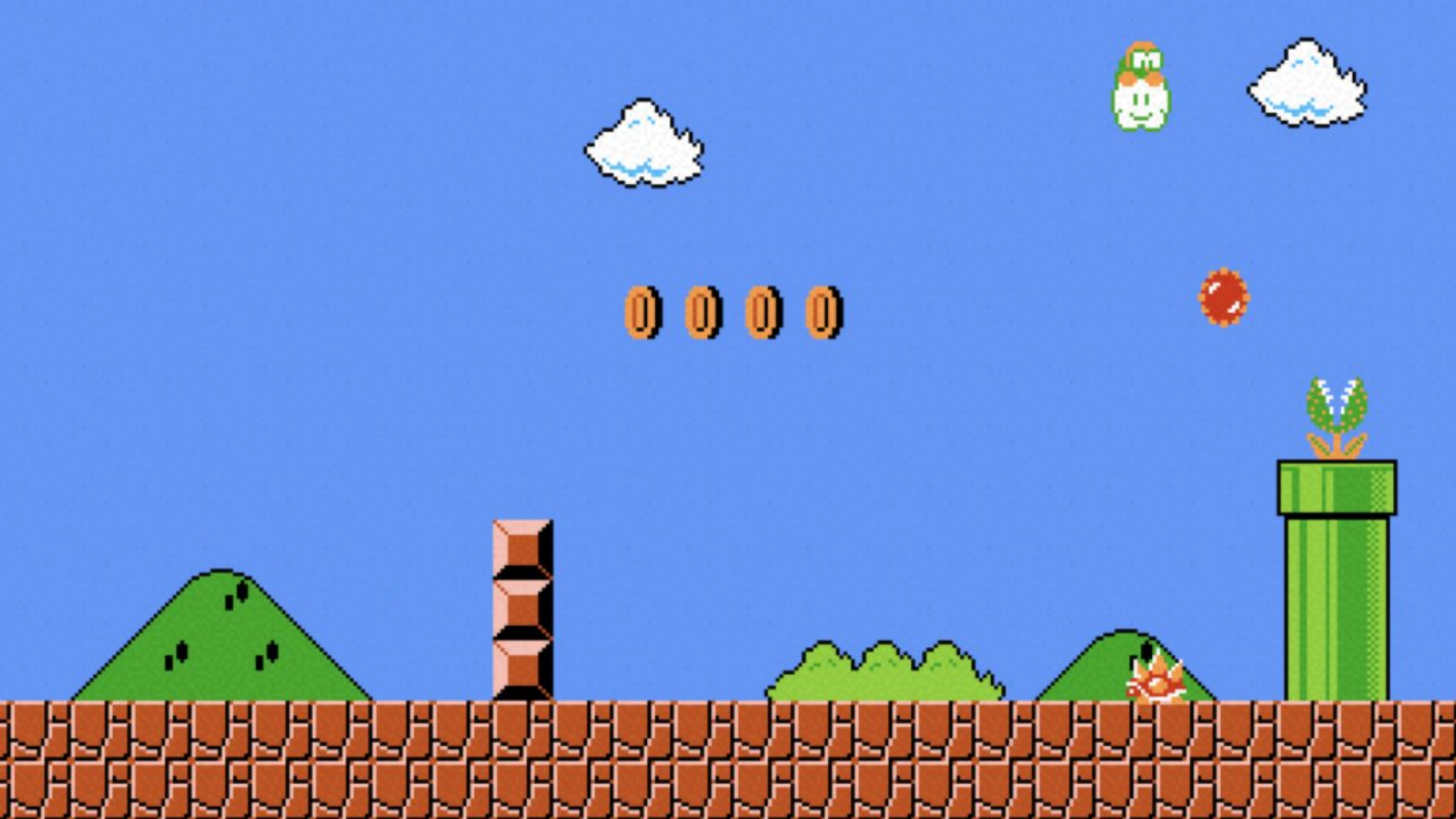
- keeping track of who is in what house

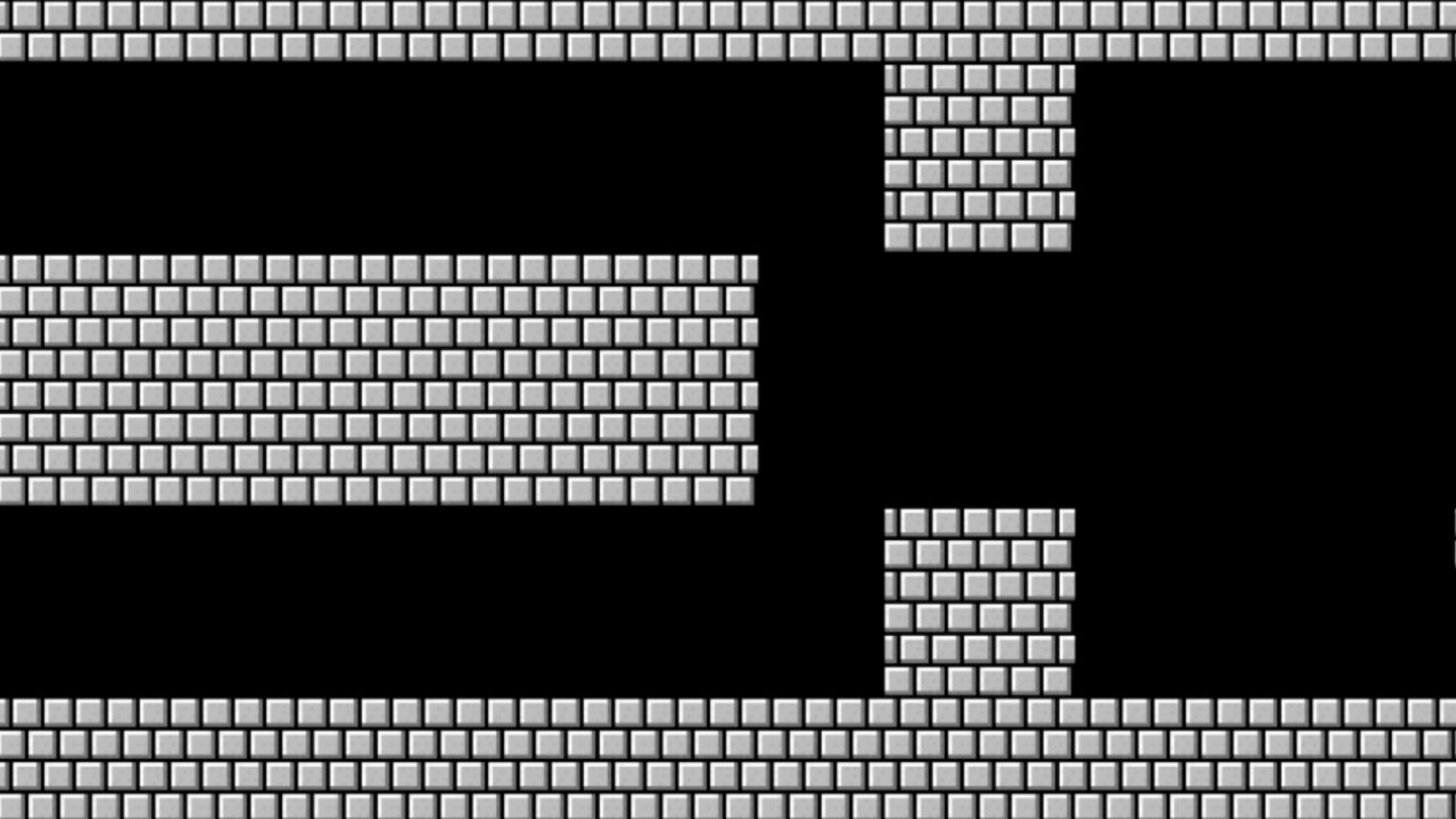
	name	house	patronus
0	Hermione	Gryffindor	Otter
1	Harry	Gryffindor	Stag
2	Ron	Gryffindor	Jack Russell terrier
3	Draco	Slytherin	

None

- Absence of a value


SUPER
MARIO BROS.





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