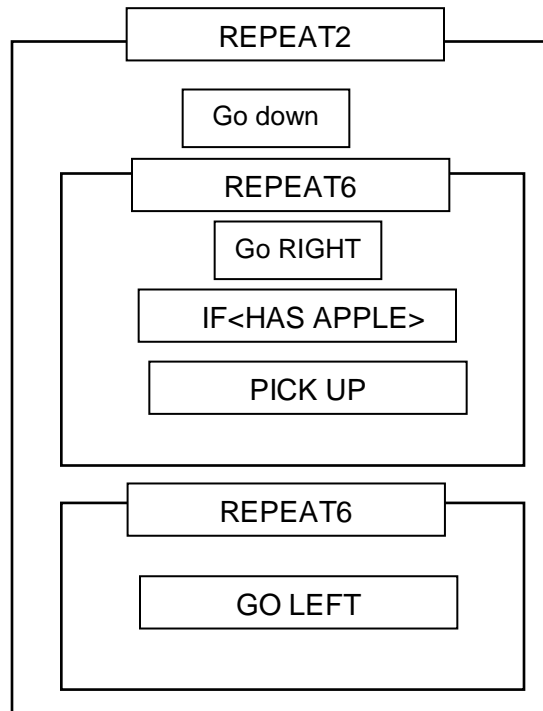
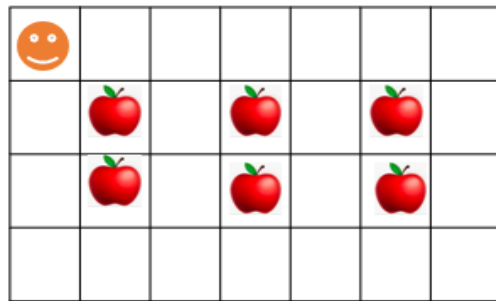


ACTIVITIES

EXERCICE 1:

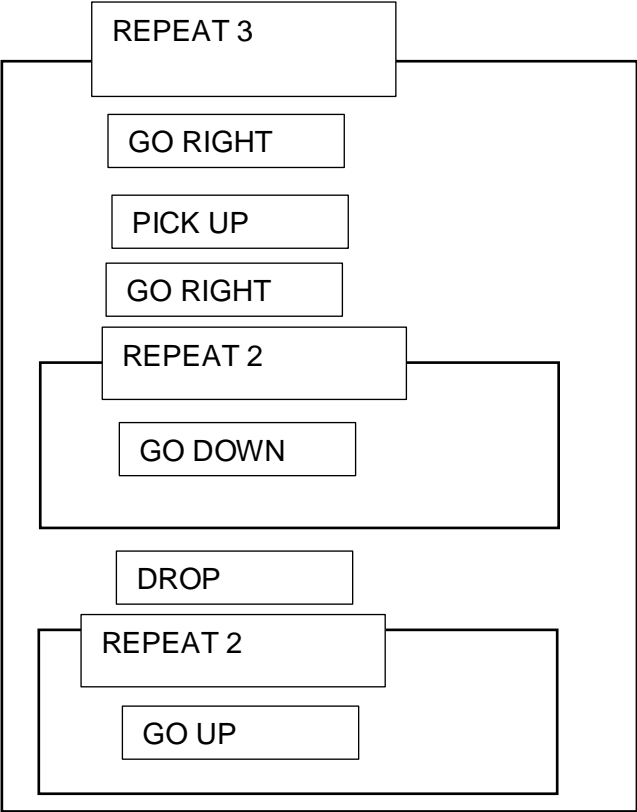
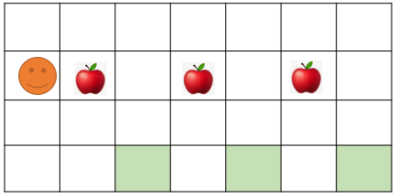
Objective	Take all the apples.
Maximum number of instructions	8
Allowed instructions	GO-UP GO-DOWN GO-LEFT GO-RIGHT PICK-UP REPEAT N-TIME WHILE IF
Allowed conditions	<HAS APPLE>



EXERCICE 2:

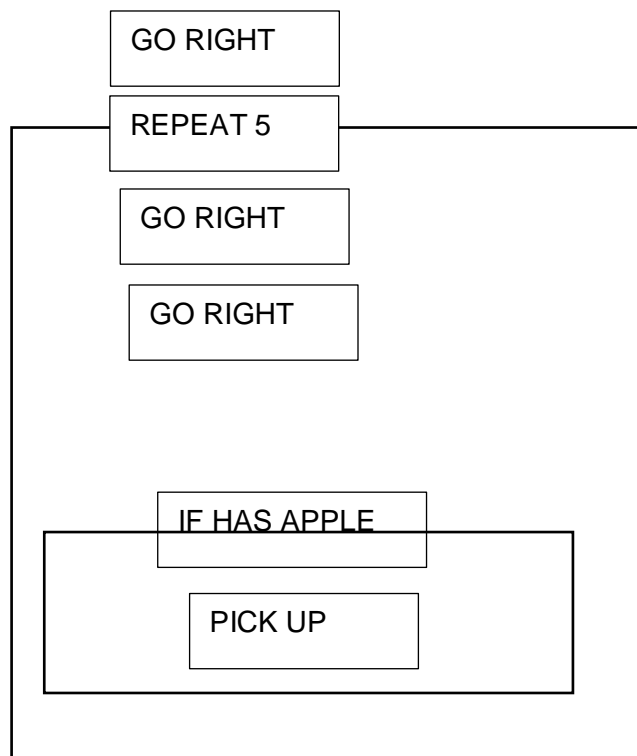
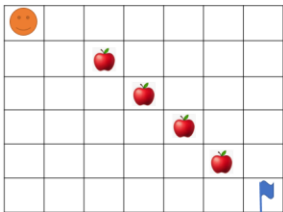
Objective	Bring all apples to their respective green box.
Maximum number of instructions	10
Allowed instructions	GO-UP GO-DOWN GO-LEFT GO-RIGHT PICK-UP DROP REPEAT N-TIME WHILE IF
Allowed conditions	<HAS APPLE>

Answer:



EXERCICE 3:

Objective	Pick up all apple and stop at the flag!!
Maximum number of instructions	6
Allowed instructions	GO-UP GO-DOWN GO-LEFT GO-RIGHT PICK-UP IF REPEAT N-TIME WHILE
Allowed conditions	<HAS APPLE> <HAS FLAG> <HAS NO FLAG>



EXERCICE 4:

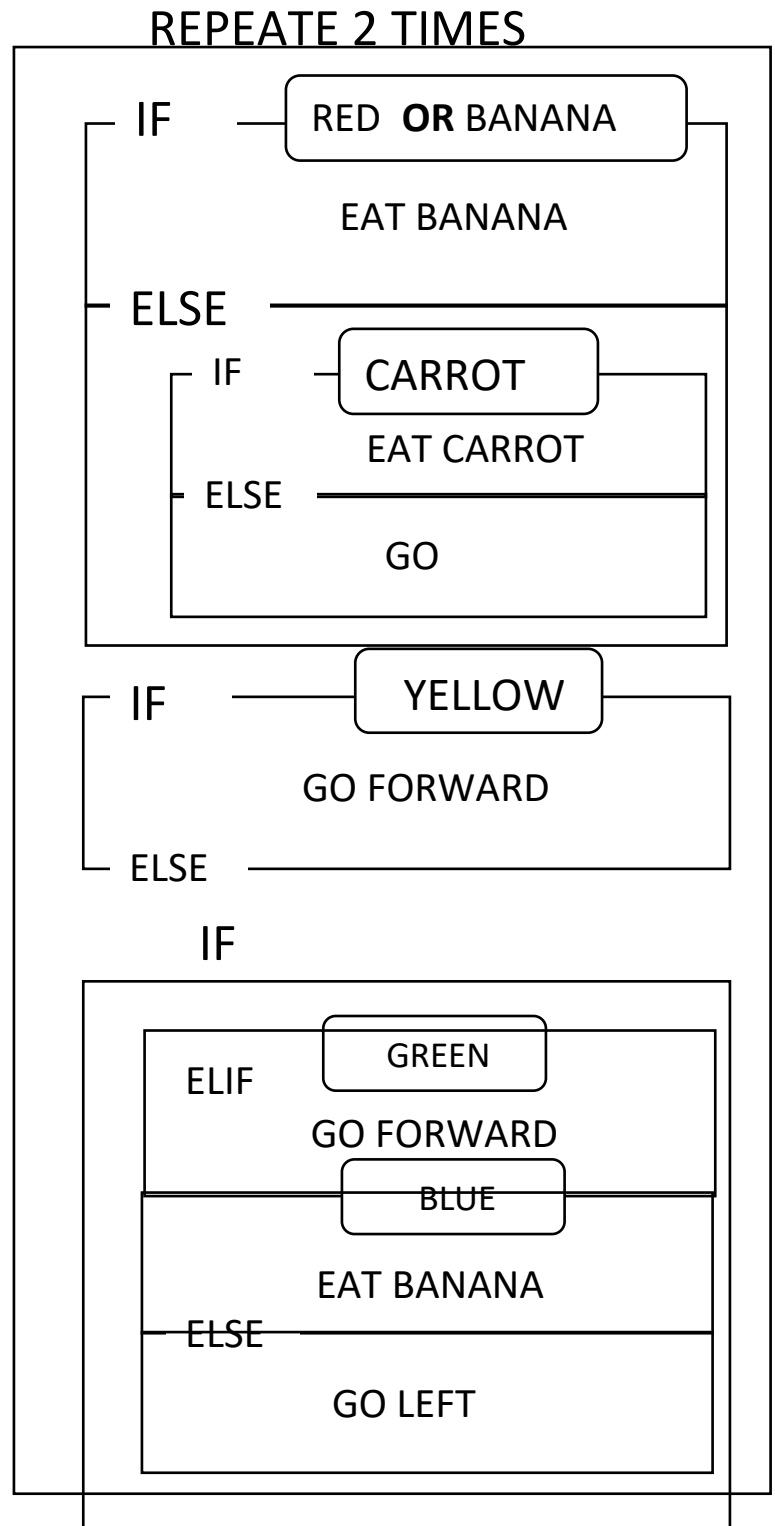
What happen at the end?

- How many carrots Jack eats ?
- How many bananas Jack eats?
- Where will be Jack at the end?

Answer: Jack eat carrot only 1.

Jack do not eat banana.

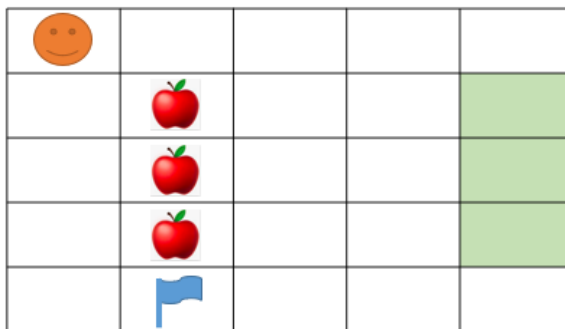
Jack will be end at yellow.



EXERCICE 5:

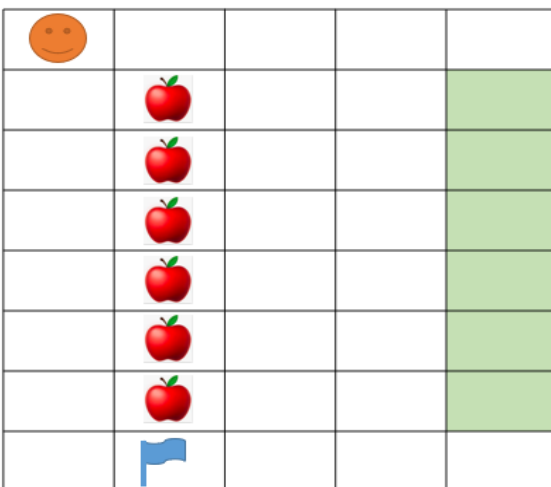
Objective	Bring all apple to green box <u>and stop at the flag!!</u>
	WARNING: you program must work for the 2 cases!
Maximum number of instructions	10
Allowed instructions	GO-UP GO-DOWN GO-LEFT GO-RIGHT PICK-UP DROP IF REPEAT N-TIME WHILE
Allowed conditions	<HAS APPLE> <HAS CELL DOWN> <HAS FLAG> <HAS NO FLAG>

Case1:

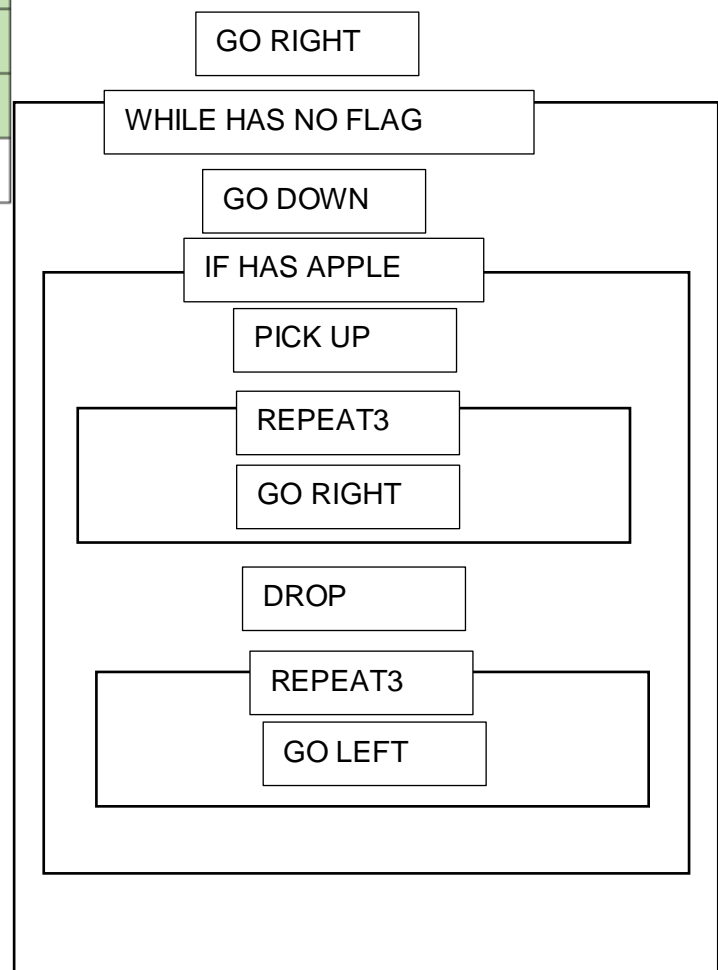


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Case 2:



Be careful NOT to pick up the flag

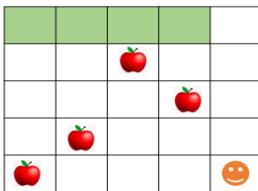


Answer:

EXERCICE 6:

Objective	Take all the apple to green box <u>WARNING:</u> you program must work for the 2 cases!!!
Maximum number of instructions	15
Allowed instructions	GO-UP GO-DOWN GO-LEFT GO-RIGHT PICK-UP DROP IF REPEAT N-TIME WHILE
Allowed conditions	<HAS APPLE> <HAS CELL ON RIGHT> <HAS CELL ON LEFT>

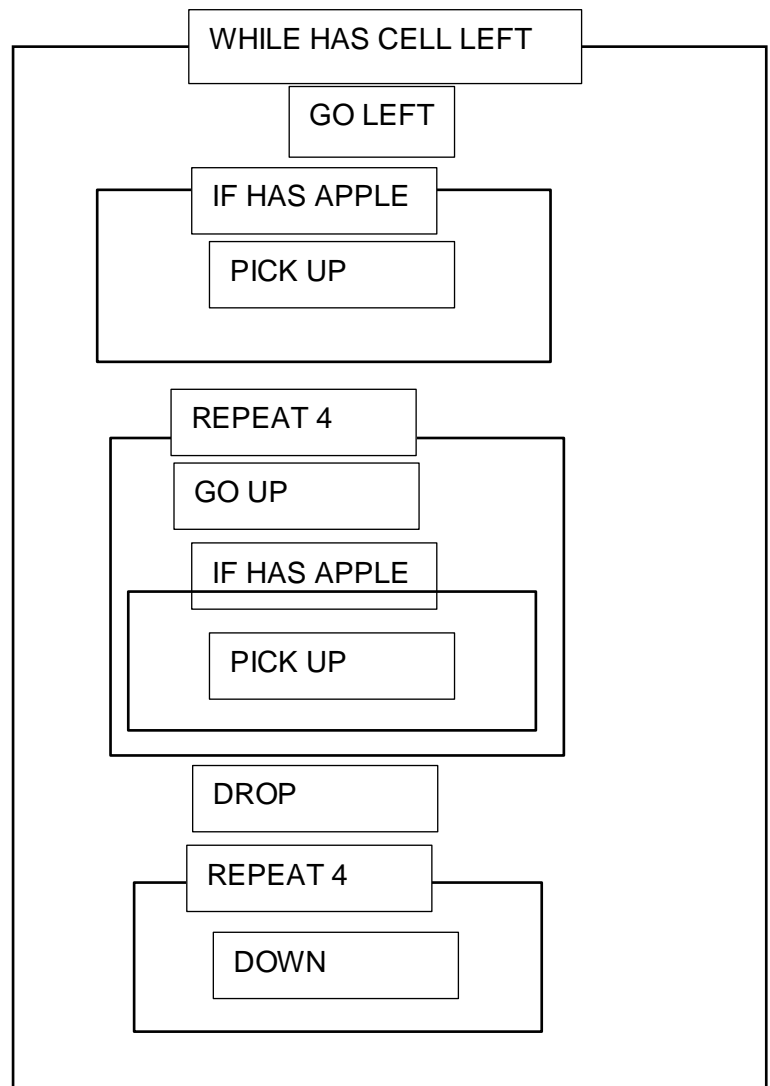
Case 1:



Case 2:

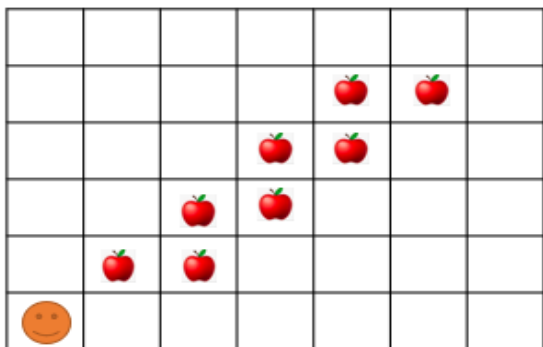


Answer:

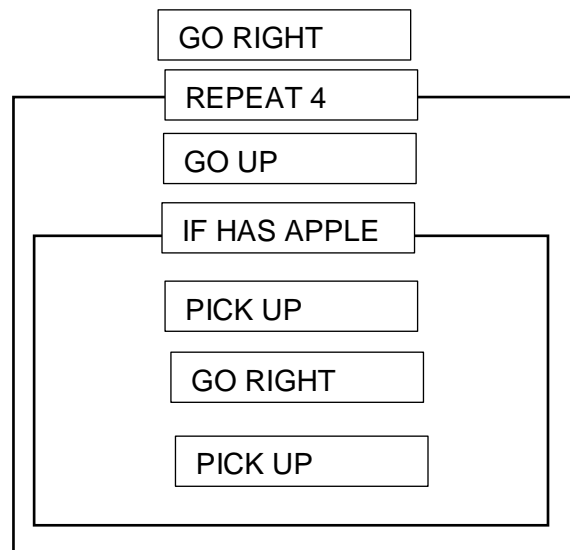


EXERCICE 7:

Objective	Take all the apple
Maximum number of instructions	8
Allowed instructions	GO-UP GO-DOWN GO-LEFT GO-RIGHT PICK-UP DROP IF REPEAT N-TIME WHILE

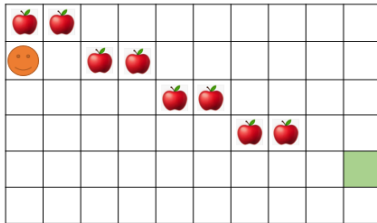


Answer:

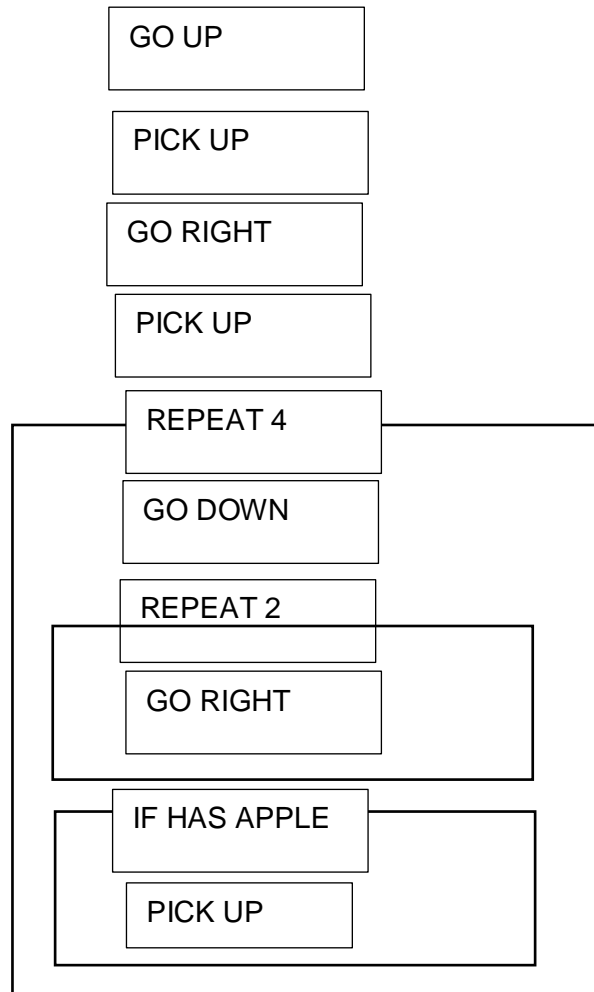


EXERCICE 8:

Objective	Take all the apple and go to the green cell
Maximum number of instructions	11
Allowed instructions	GO-UP GO-DOWN GO-RIGHT PICK-UP IF REPEAT N-TIME WHILE



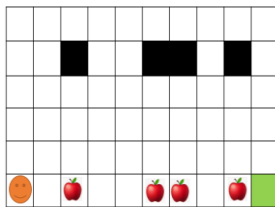
Answer:



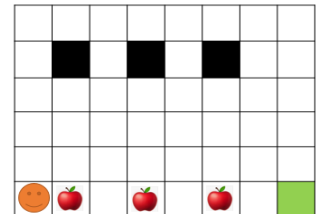
EXERCICE 9:

Objective	Bring all apples put in the black cell and go to the green cell. Note: your program must work for the 2 cases!!!
Maximum number of instructions	10
Allowed instructions	GO-UP GO-DOWN DROP GO-RIGHT PICK-UP IF REPEAT N-TIME WHILE
Allowed conditions	<HAS APPLE> <HAS CELL ON RIGHT> <HAS CELL ON LEFT> <HAS CELL ON UP>

Case 1



Case 2



Answer:

