STUDENT FIRST NAME / LAST NAME:	
CLASS:	

ALGORITHM EXAM #2 1h

SCORE	/ 100
COMMENT	

WARNING /!\

YOU NEED TO CHECK CAREFULLY STEP BY STEP THAT YOUR CODE WORKS

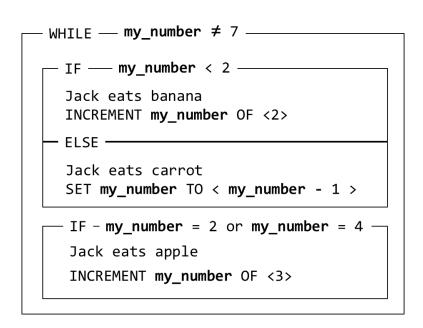
If you code does not work, you will get a 0 score

DO NOT USE INSTRUCTION OR CONDITION THAT ARE NOT ALLOWED

Exercise 1 (15 POINTS)

Complete the table. Use a new line every time my_number changes

SET <my_number> to < 0 >



my_number	What Jack eats?		
0			
2	banana		

Exercise 2 (15 POINTS)

Draw the path of Jack (with arrows \longrightarrow \downarrow)

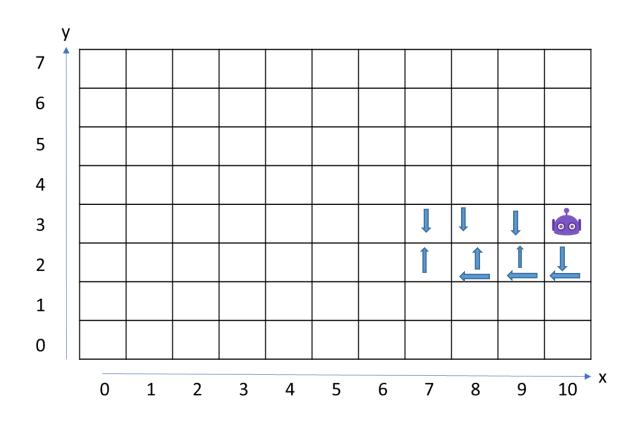
```
SET <my_variable > to < 0 >

WHILE — my_variable < 3

REPEAT <my_variable > times —
Go down

REPEAT <my_variable + 1 > times —
Go left
Go up

INCREMENT <my_variable > OF <1>
```



Exercise 3 (25 POINTS)

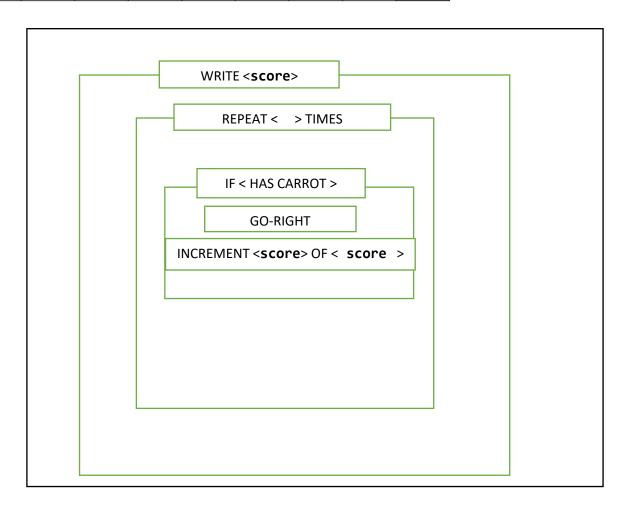
Objective	 Count the score: If has cell diamond: +2 points If has cell carrot: +3 points Write the score on the last cell 			
	Warning: your code must work for the 2 cases!!!!			
Maximum number of instructions	10			
Allowed instructions	GO-RIGHT	IF <condition></condition>		
	SET <score>TO < ></score>	IF <condition> ELSE</condition>		
	INCREMENT <score> OF < ></score>			
	REPEAT < > TIMES	WRITE < score >		
	<score></score>			
Allowed conditions	<has carrot=""></has>			
	<has diamond=""></has>			

CASE 1



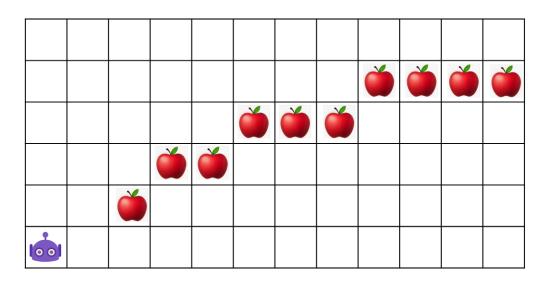
CASE 2

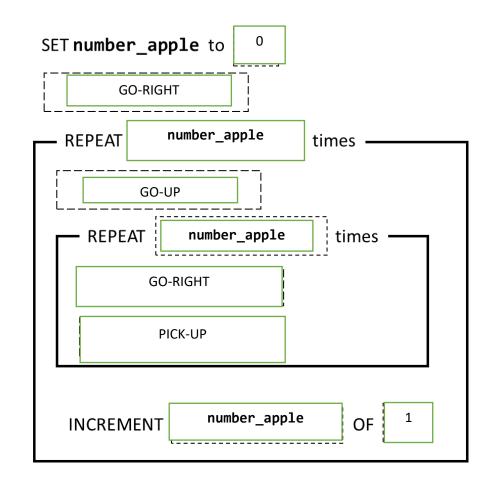




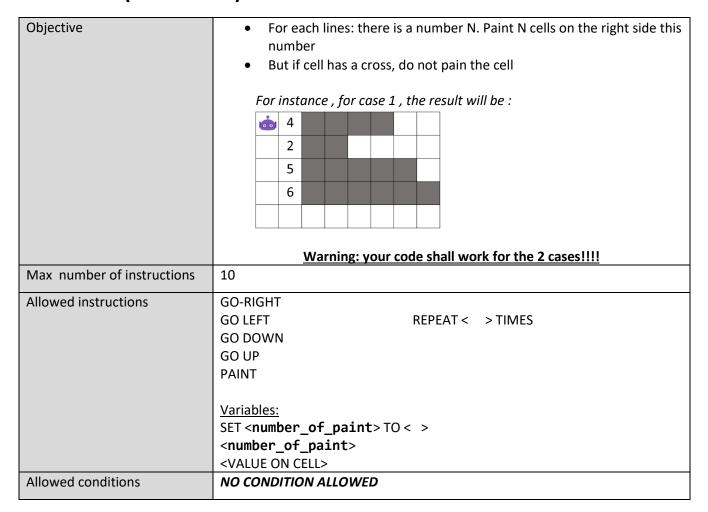
Exercise 4 (20 POINTS)

Objective	Pick up all apples				
Allowed instructions	GO-RIGHT GO-UP PICK-UP IF < CONDITION > SET < number_apple > TO < > IF < CONDITION > ELSE INCREMENT < number apple > OF < >				
	REPEAT < > TIMES WRITE < number_apple > < number_apple > WHILE < CONDITION >				
Allowed conditions	NO CONDITION ALLOWED				





Exercise 5 (25 POINTS)



CASE 1

4			
2			
5			
6			

CASE 2

