

ACTIVITIES

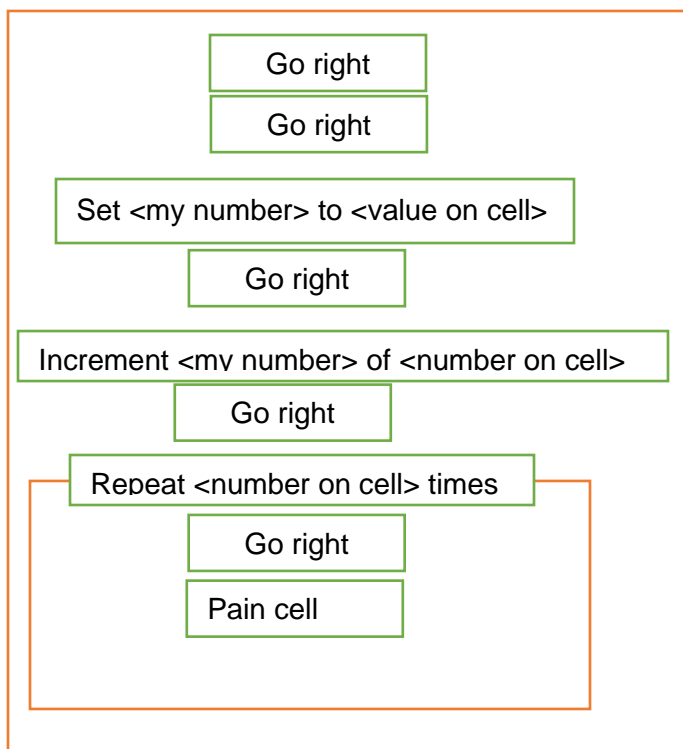
EXERCISE 1:

Objective	Jack must sum the number on cell and paint on the dots cell. <u>Your code shall work for the 2 cases!!!!</u>
Maximum number of instructions	10
Allowed instructions	IF <CONDITION> WHILE <CONDITION> GO-RIGHT REPEAT <N TIMES> PICK-UP PAINT-CELL SET <MY-NUMBER>TO<> INCREMENT<MY-NUMBER> OF <> <MY-NUMBER> <value on cell>
Allowed conditions	<HAS DOT> <HAS CELL ON RIGHT>

Case 1:



Case 2:



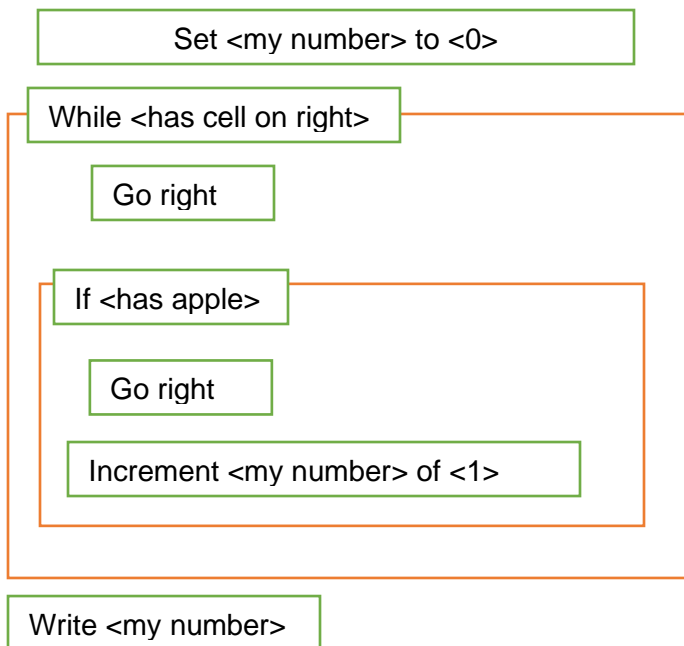
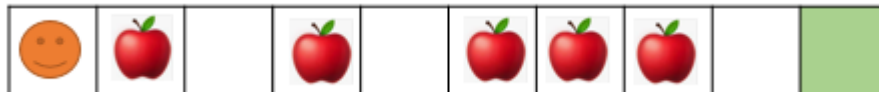
EXERCISE 2:

Objective	<ul style="list-style-type: none"> - Pick up all apples - Print the number of apples on the green cell. <p><u>Your code shall work for the 2 cases!!!!</u></p>
Maximum number of instructions	7
Allowed instructions	IF <CONDITION> WHILE <CONDITION> GO-RIGHT REPEAT <N TIMES> PICK-UP PAINT-CELL WRITE<value> SET <MY-NUMBER>TO<> INCREMENT<MY-NUMBER> OF <> <MY-NUMBER>
Allowed conditions	<HAS CELL ON LEFT> <HAS APPLE> <HAS CELL ON RIGHT>

Case 1:



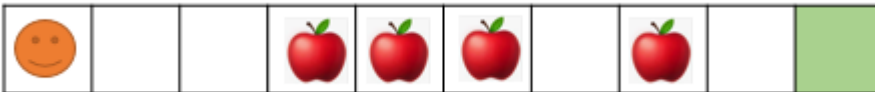
Case 2:



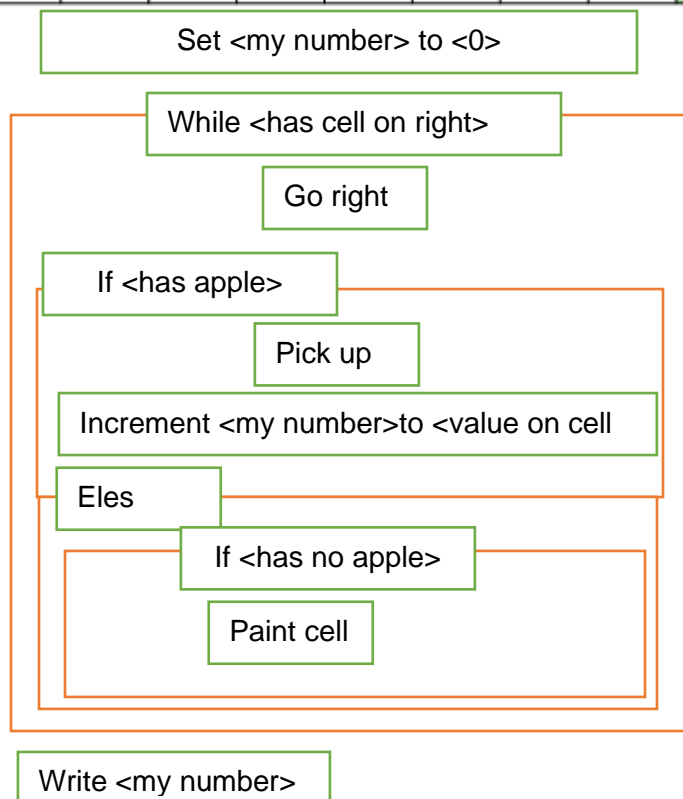
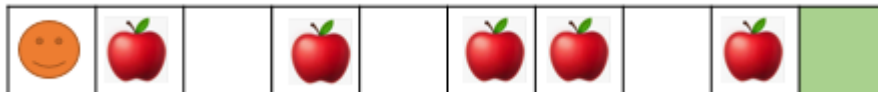
EXERCISE 3:

Objective	<ul style="list-style-type: none"> - Paint on cell that has not apple from first cell - Print the number of apples on the green cell - លាបពណ៌នៅលើក្រណាដែលគ្មានផ្លែប៉ោមចាប់ពីក្រណាដំបូង ហើយសរសេរចំនួនផ្លែប៉ោមនៅក្នុងប្រអប់ពណ៌បៃតង <p><u>Your code shall work for the 2 cases!!!!</u></p>
Maximum number of instructions	8
Allowed instructions	GO-RIGHT PICK-UP GO-DOWN WHILE <CONDITION> IF<CONDITION> IF<CONDITION> ELSE PAINT-CELL WRITE<value> SET<my_number>TO<> INCREMENT<my_number> OF <> <my_number >
Allowed conditions	<HAS APPLE> <HAS CELL ON RIGHT>

Case 1:

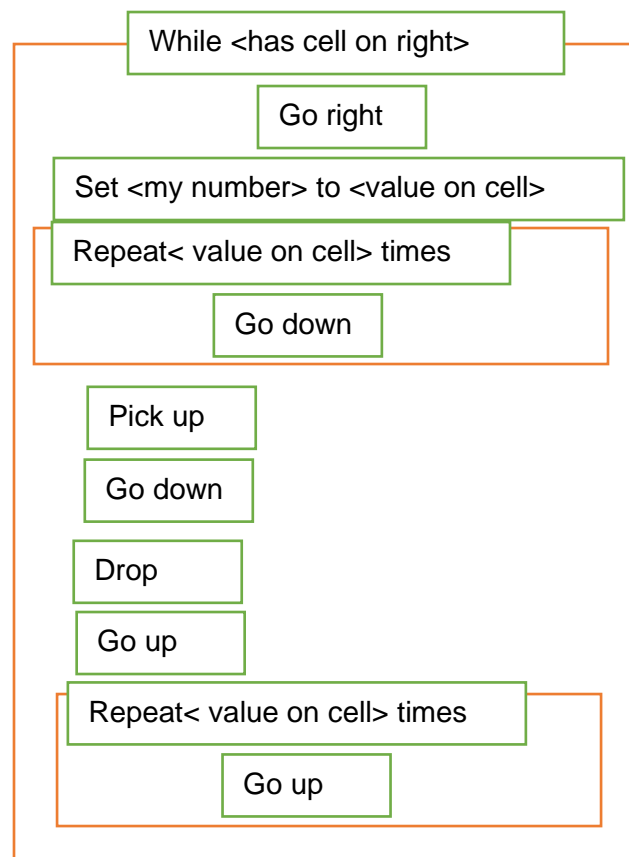
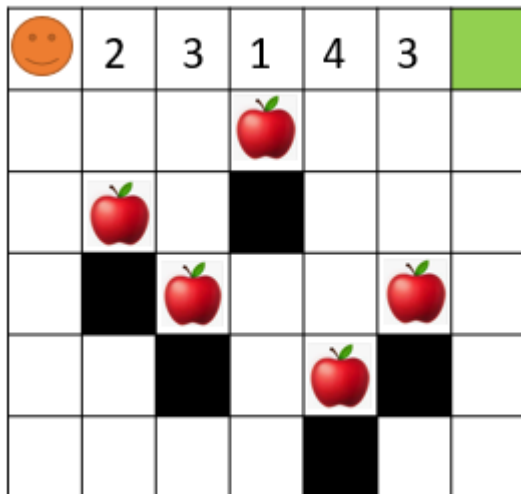


Case 2:



EXERCISE 4:

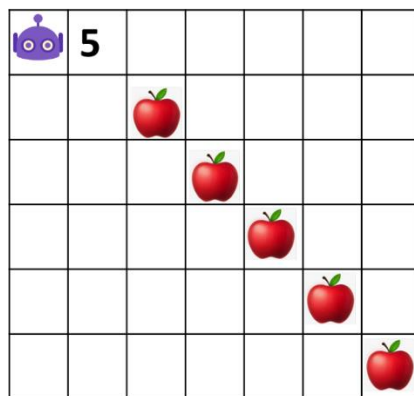
Objective	Bring apple into the black box
Maximum number of instructions	10
Allowed instructions	GO-RIGHT GO-LEFT PICK-UP GO-DOWN DROP WHILE <CONDITION> REPEAT<N TIME> IF<CONDITION> WRITE<value> SET<my_number>TO<> GO-UP INCREMENT<my_number> OF <> <my_number > <value on cell>
Allowed conditions	<HAS APPLE> <HAS GREEN CELL> <HAS CELL ON RIGHT> <HAS NOT GREEN CELL>



EXERCISE 5:

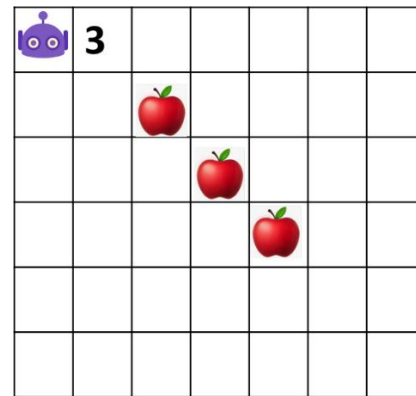
Objective	Pick up all apples!!! <u>Warning: your code shall work for the 2 cases!!!!</u>
Maximum number of instructions	12
Allowed instructions	IF <CONDITION> GO-RIGHT PICK-UP GO-DOWN GO-UP REPEAT < > TIMES WHILE <CONDITION> WRITE < > SET <MY-NUMBER>TO< > INCREMENT<MY-NUMBER> OF < > <MY-NUMBER>
Allowed conditions	<HAS CELL ON LEFT> <HAS APPLE> <HAS CELL ON RIGHT>

CASE 1 :



Go right

CASE 2:



Set <my number> to the <value on cell>

Repeat <value on cell> times

Go down

Go right

Pick up