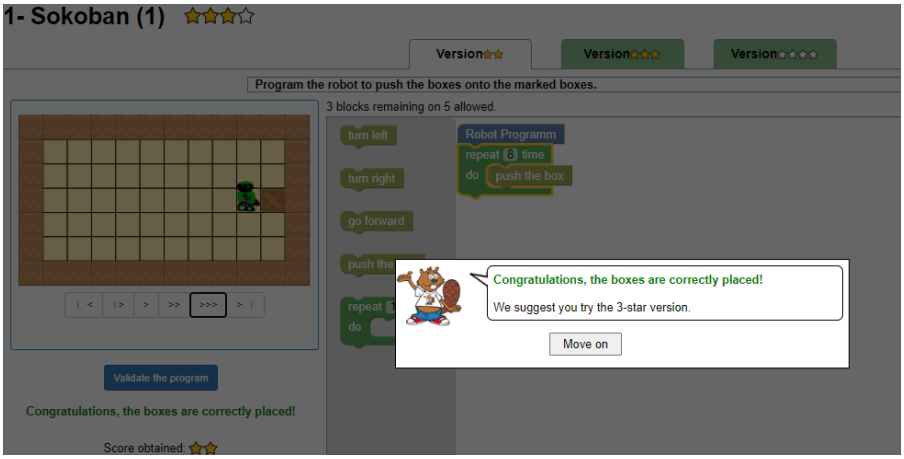
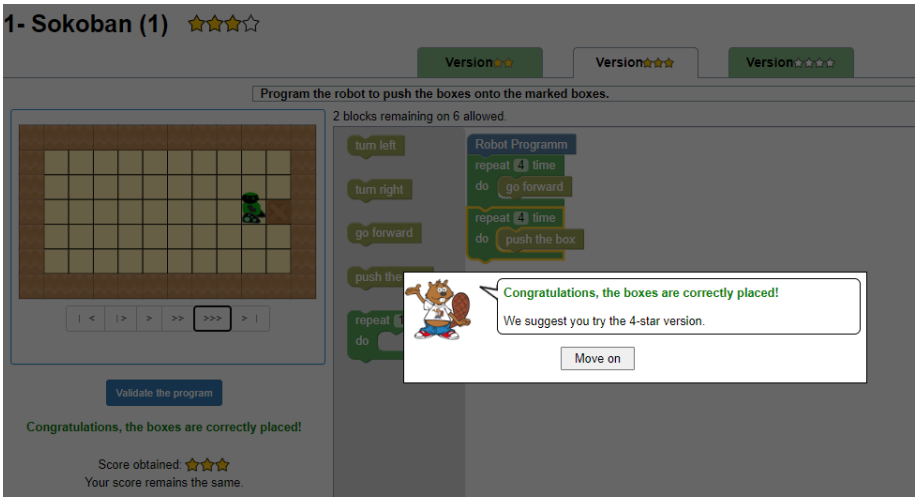
Homework

1

1/1

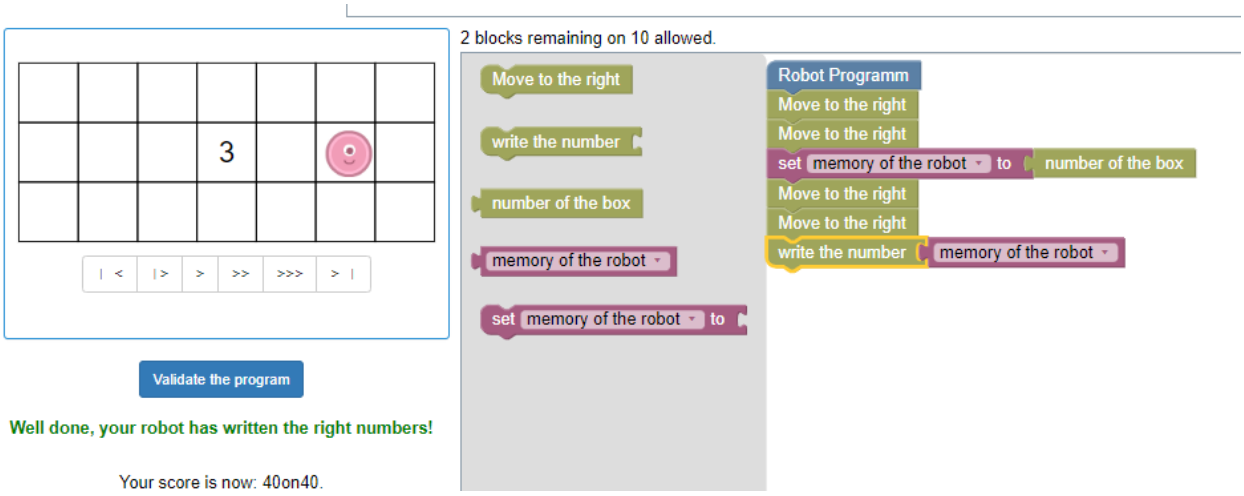


1/2



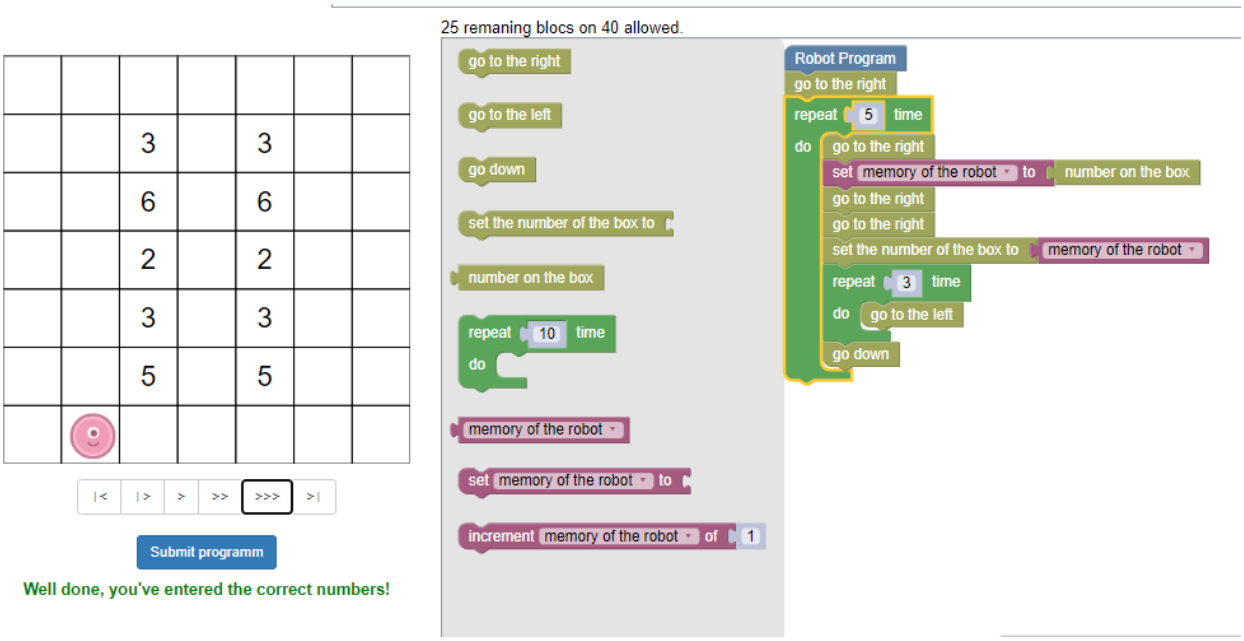
នៅខ្វះមួយទៀតសម្រាប់គឺចំណុចទីបី

2


3
Validate the program
Well done, your robot has written the right numbers!
Your score is now: 40on40.
2 blocks remaining on 10 allowed.
Move to the right
write the number
number of the box
memory of the robot
set memory of the robot to
Robot Programm
Move to the right
Move to the right
set memory of the robot to number of the box
Move to the right
Move to the right
write the number memory of the robot

3

3/1


3 3
6 6
2 2
3 3
5 5
Submit programm
Well done, you've entered the correct numbers!
25 remaning blocs on 40 allowed.
go to the right
go to the left
go down
set the number of the box to
number on the box
repeat 10 time
do
memory of the robot
set memory of the robot to
increment memory of the robot of 1
Robot Program
go to the right
repeat 5 time
do go to the right
set memory of the robot to number on the box
go to the right
go to the right
set the number of the box to memory of the robot
repeat 3 time
do go to the left
go down

3/2

After storing first number of the row in the variable "Robot memory", you will have to modify it to add the second number.

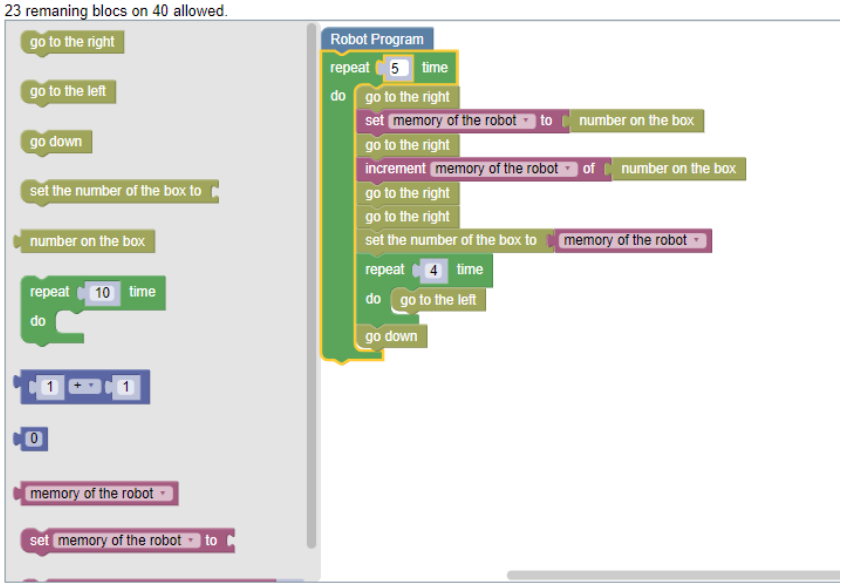
	4	3		7		
	3	6		9		
	5	2		7		
	6	3		9		
	2	5		7		

|< | < | > | >> | >>> | >|

Submit programm

Well done, you've entered the correct numbers!

23 remaning blocs on 40 allowed.



3/3

Program the robot to write instead of zeros to right of each line, the sum of the numbers in the left part of the line.

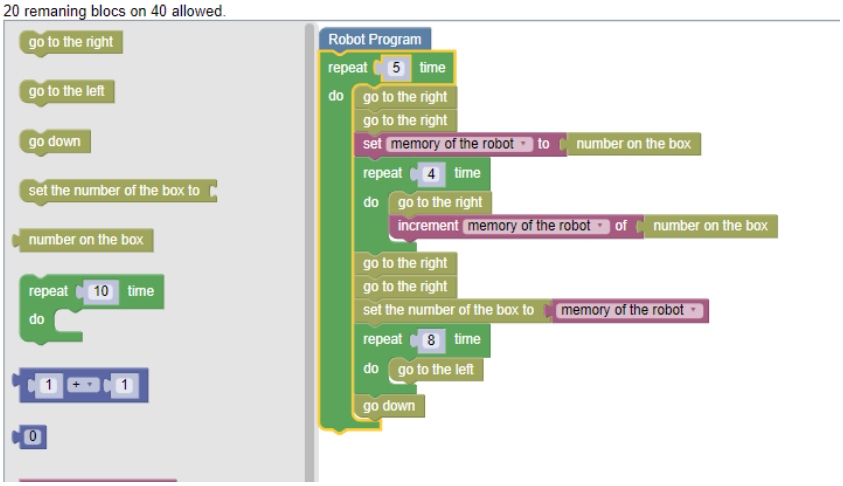
		2	3	4	3	2		14	
		3	5	3	2	2		15	
		4	6	2	4	2		18	
		5	5	1	1	2		14	
		6	4	2	3	1		16	

|< | < | > | >> | >>> | >|

Submit programm

Well done, you've entered the correct numbers!

20 remaning blocs on 40 allowed.

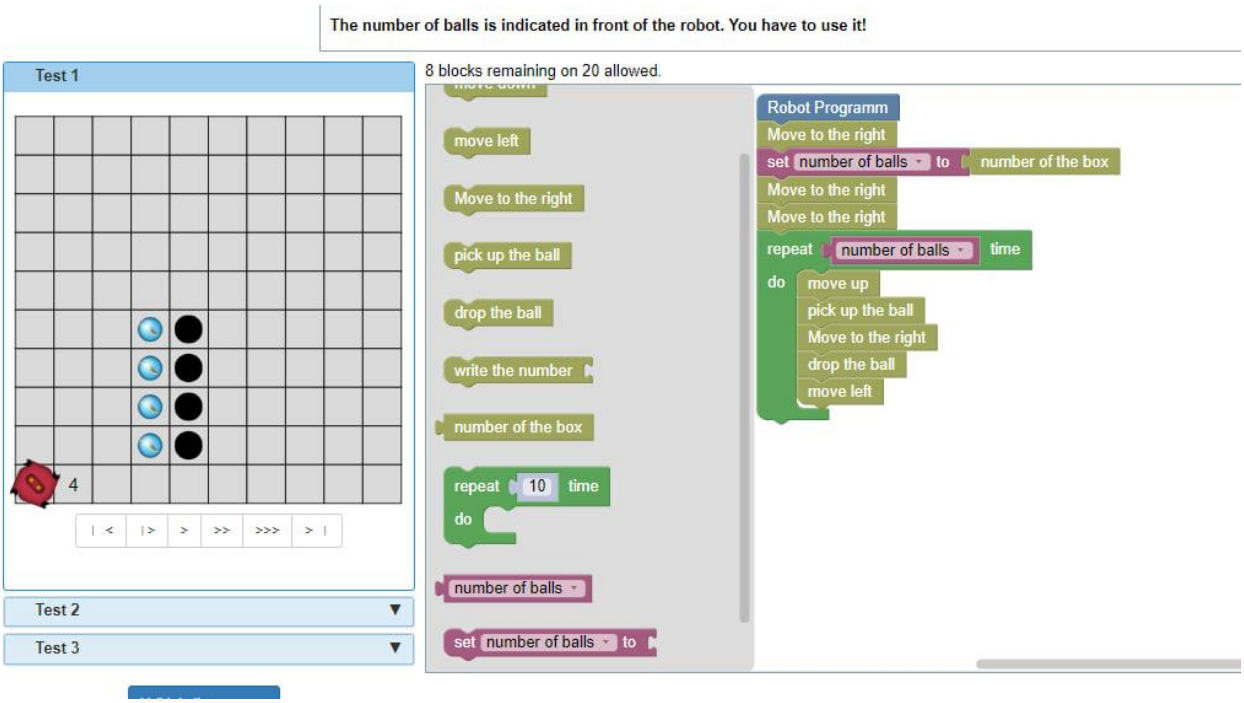


3-Paint using the number (1) ★★★★

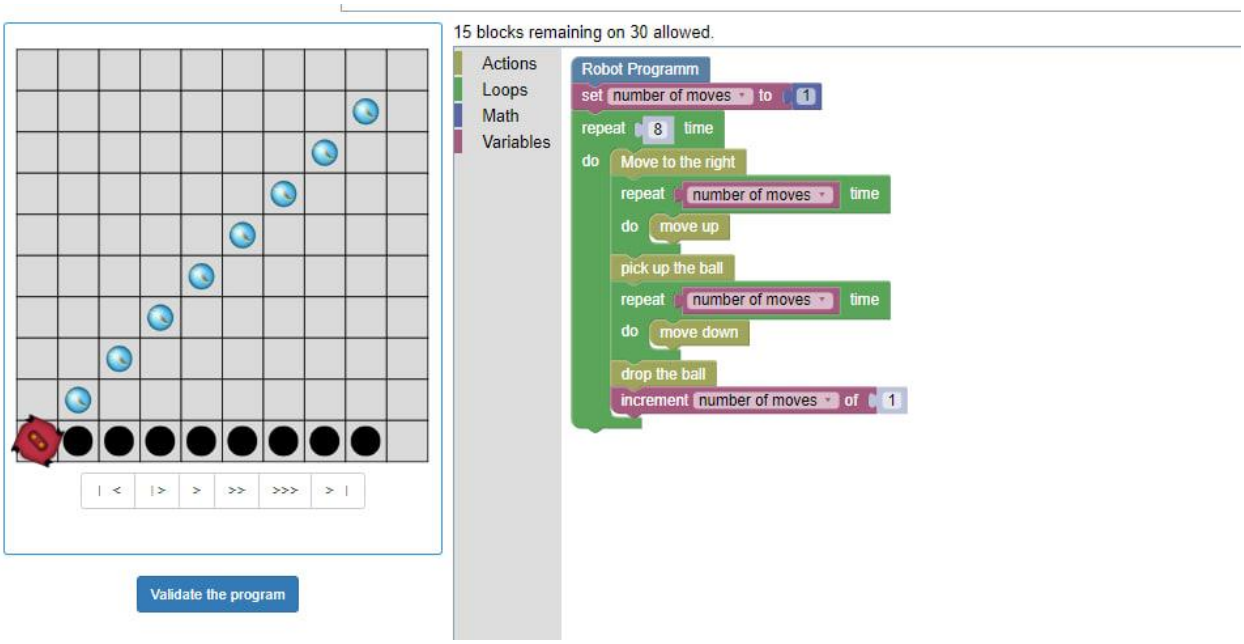
Version ★★ | Version ★★★ | Version ★★★★

4

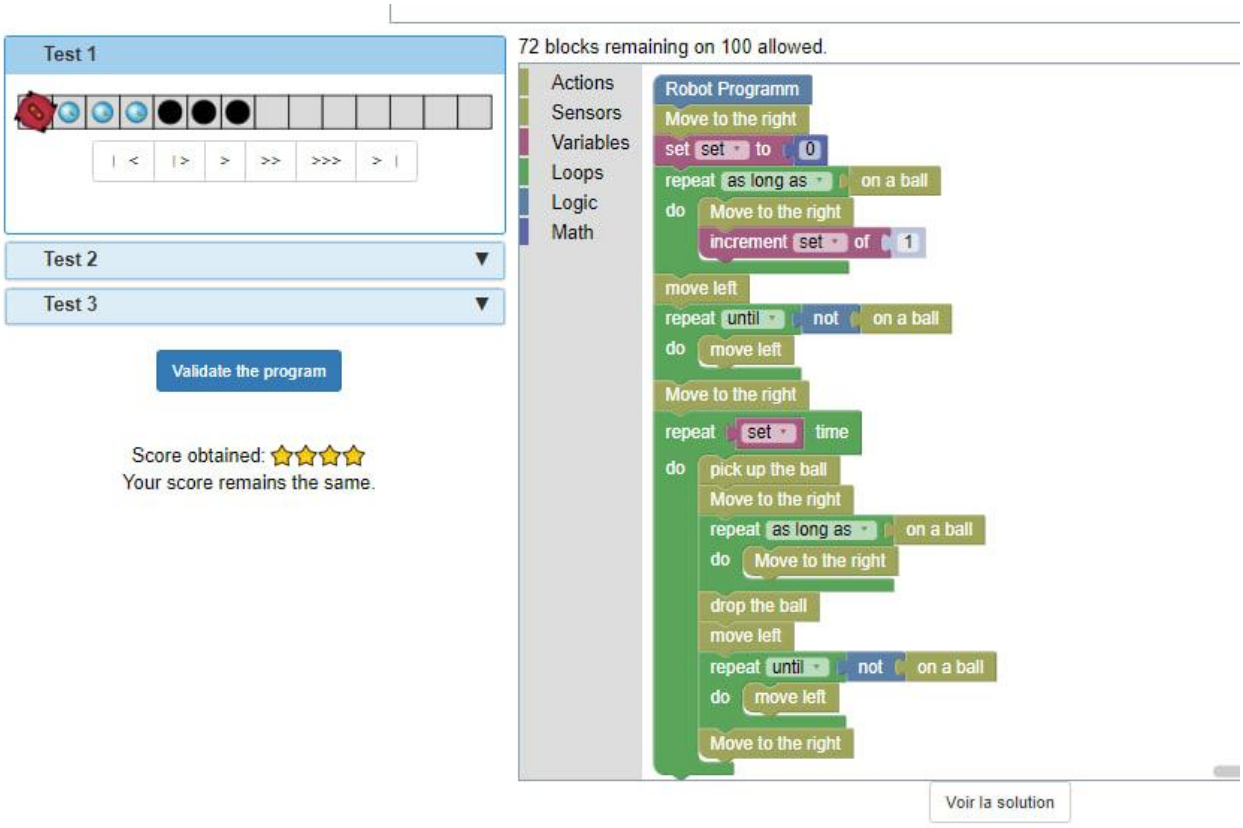
4/1


The number of balls is indicated in front of the robot. You have to use it!
Test 1
8 blocks remaining on 20 allowed.
move left
Move to the right
pick up the ball
drop the ball
write the number
number of the box
repeat 10 time
do
number of balls
set number of balls to
Robot Programm
Move to the right
set number of balls to number of the box
Move to the right
Move to the right
repeat number of balls time
do move up
pick up the ball
Move to the right
drop the ball
move left
4
Test 2
Test 3

4/2


15 blocks remaining on 30 allowed.
Actions
Loops
Math
Variables
Robot Programm
set number of moves to 1
repeat 8 time
do Move to the right
repeat number of moves time
do move up
pick up the ball
repeat number of moves time
do move down
drop the ball
increment number of moves of 1
Validate the program

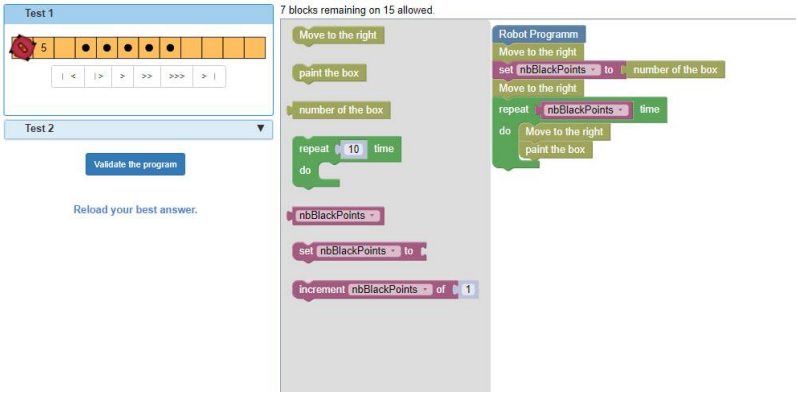
4/3


Test 1
Test 2
Test 3
Validate the program
Score obtained:
Your score remains the same.
72 blocks remaining on 100 allowed.
Actions
Sensors
Variables
Loops
Logic
Math
Robot Programm
Move to the right
set set to 0
repeat as long as on a ball
do Move to the right
increment set of 1
move left
repeat until not on a ball
do move left
Move to the right
repeat set time
do pick up the ball
Move to the right
repeat as long as on a ball
do Move to the right
drop the ball
move left
repeat until not on a ball
do move left
Move to the right
Voir la solution

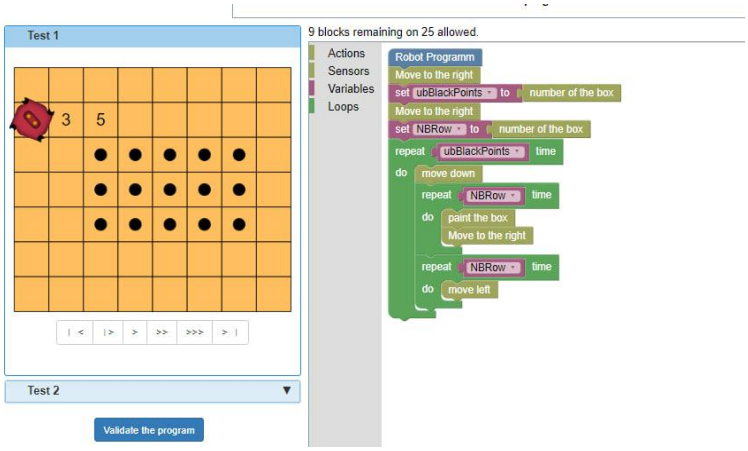
4-Paint using the number (2)
Version
Version
Version

5

5/1



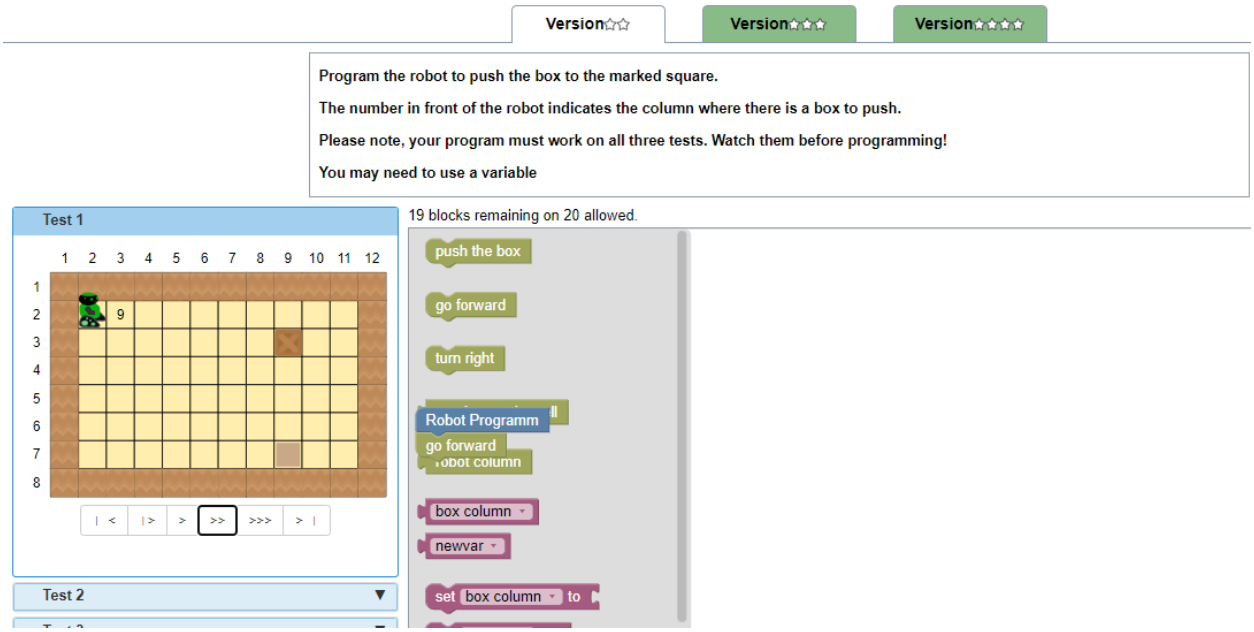
5/2



នៅខ្ះមួយទៀតសម្រាប់គឺចំណុចទីបី

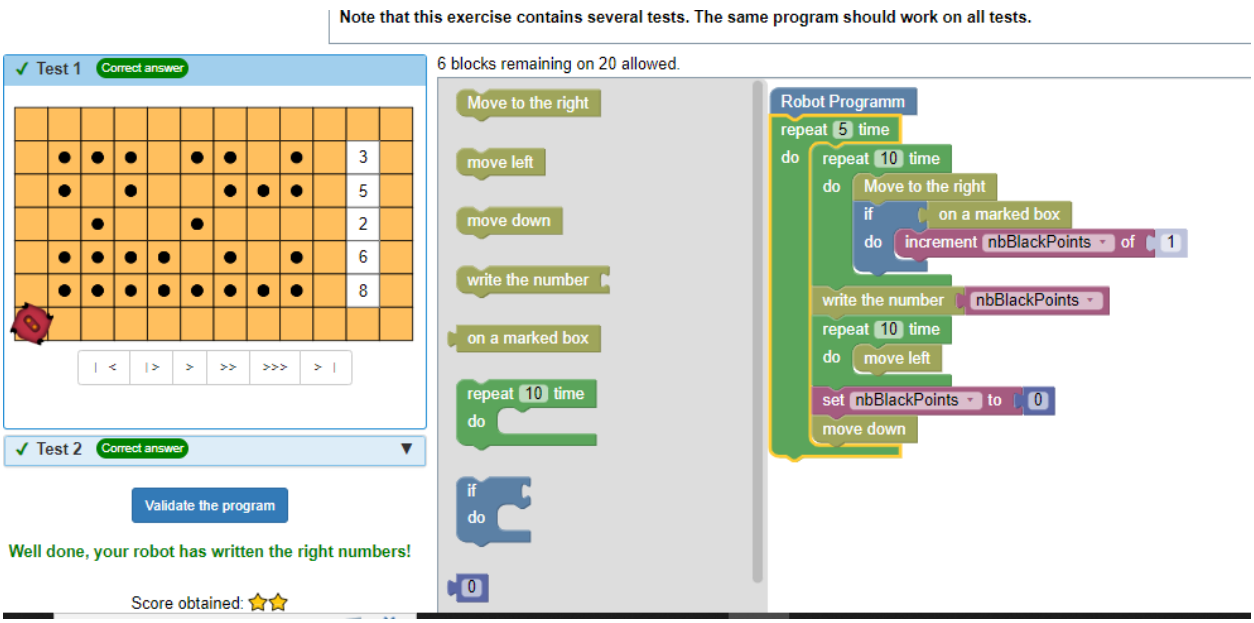
6

6- Sokoban (2) ☆☆☆☆



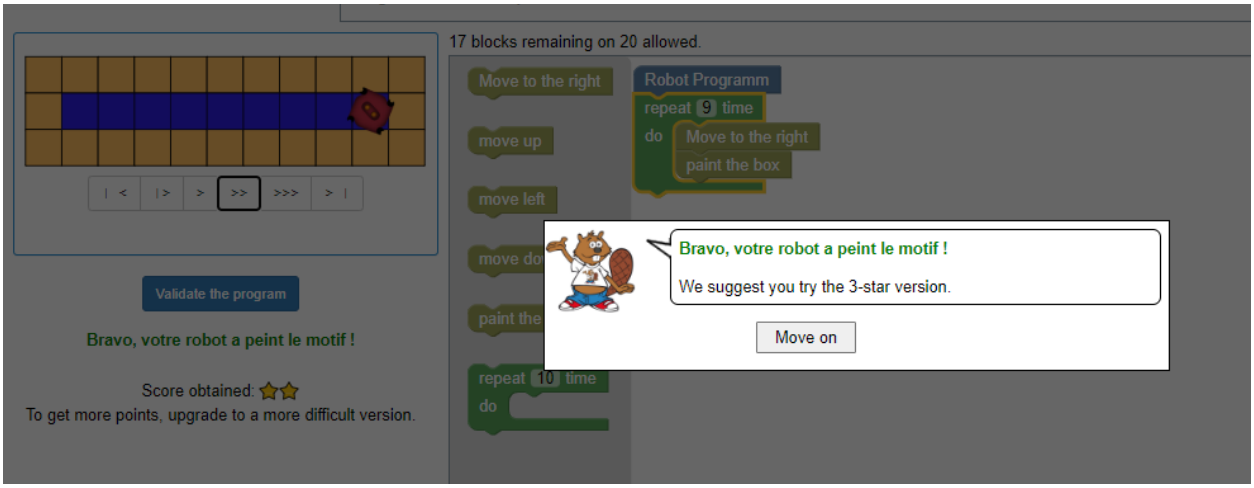
ខ្ញុំធ្វើអត់បាន ខ្ញុំព្យាយាមហើយខ្ញុំអត់ចេះបើប្រអប់ពណ៌ស្វាយ

7

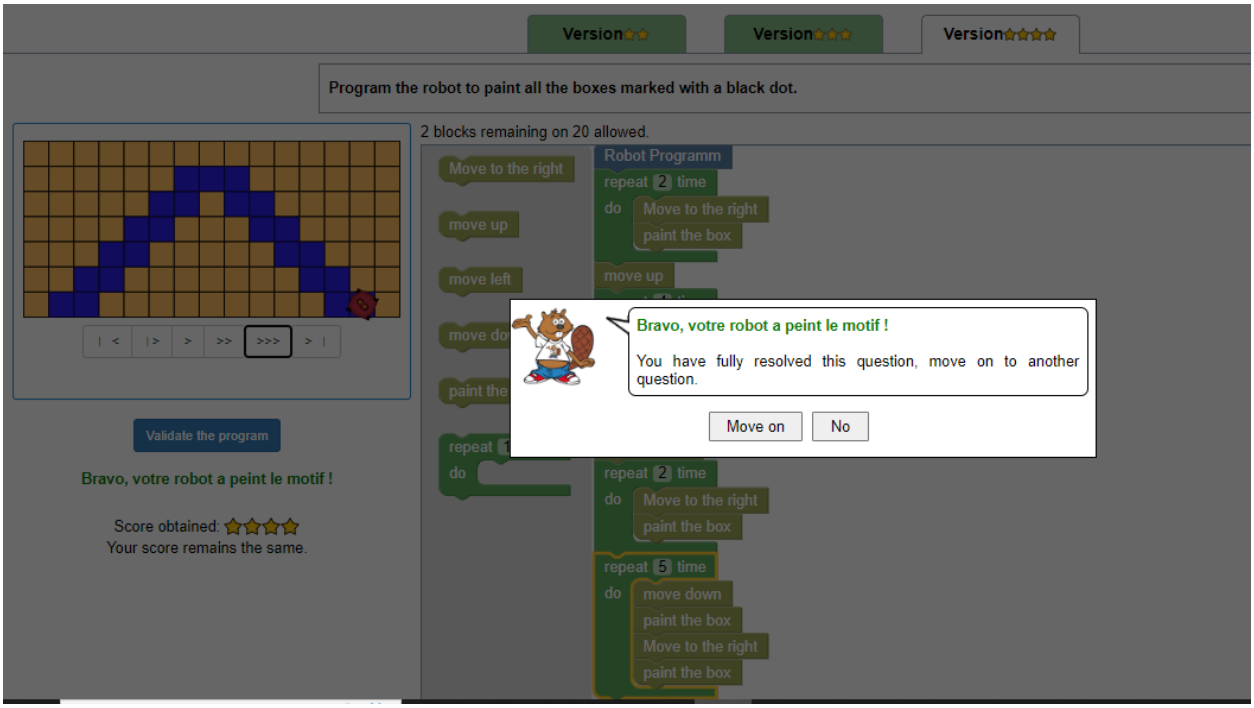

Note that this exercise contains several tests. The same program should work on all tests.
Test 1
Correct answer
3
5
2
6
8
Test 2
Correct answer
Validate the program
Well done, your robot has written the right numbers!
Score obtained:
6 blocks remaining on 20 allowed.
Move to the right
move left
move down
write the number
on a marked box
repeat 10 time
do
if
do
0
Robot Programm
repeat 5 time
do
repeat 10 time
do
Move to the right
if
on a marked box
do
increment nbBlackPoints of 1
write the number
nbBlackPoints
repeat 10 time
do
move left
set nbBlackPoints to 0
move down

8

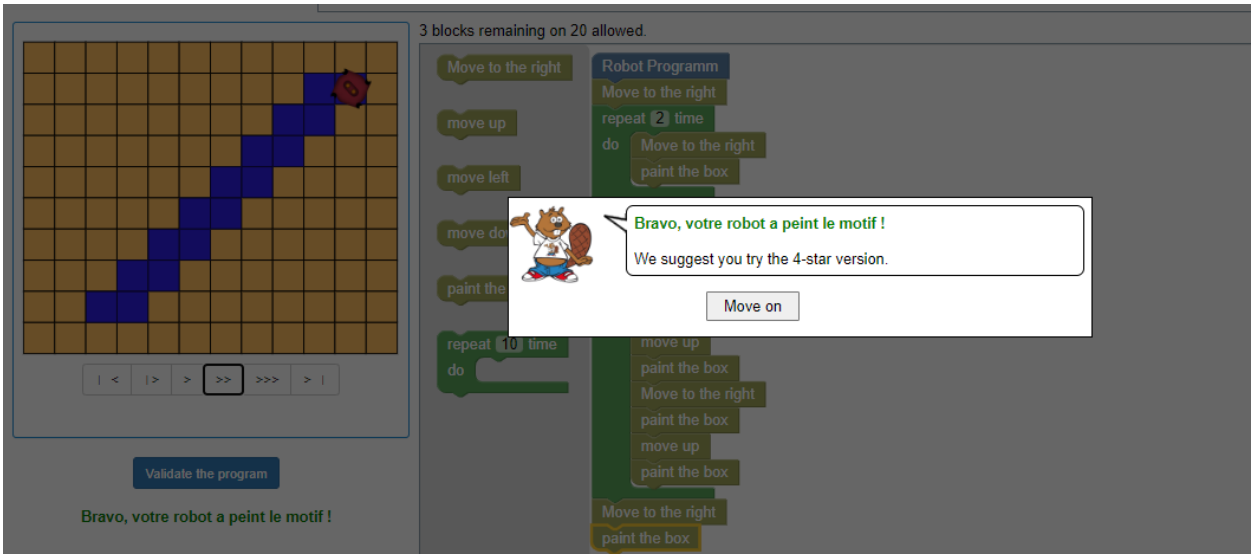
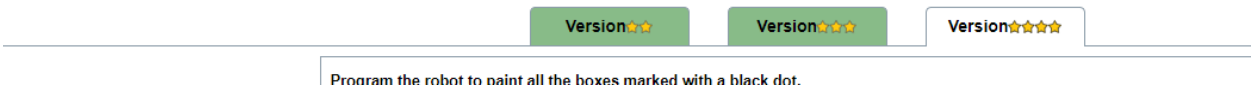
8/1


17 blocks remaining on 20 allowed.
Validate the program
Bravo, votre robot a peint le motif !
Score obtained:
To get more points, upgrade to a more difficult version.
Move to the right
move up
move left
repeat 10 time
do
Robot Programm
repeat 9 time
do
Move to the right
paint the box
Bravo, votre robot a peint le motif !
We suggest you try the 3-star version.
Move on

8/3



8/2



Paint the dots