

PNC Algorithm

17. The IF bloc

The screenshot shows a game level with a robot on a platform. The code blocks are as follows:

```
repeat (10) time
do
  if
  do
    Robot Program
    repeat (10) time
    do
      forward
      if
      do
        the cell has a key
        do
          pick up object
```

Submit programm
Congratulation !

Congratulation !

Restart

Your score is now: 40 out of 40.

18. The keys on 2 stairs

The screenshot shows a game level with a robot on a platform. The code blocks are as follows:

```
turn around
jump
pick up object
the cell has a key
the cell has a diamond
repeat (10) time
do
  if
  do
    Robot Program
    forward
    forward
    repeat (2) time
    do
      repeat (6) time
      do
        forward
        if
        do
          the cell has a diamond
          do
            pick up object
        if
        do
          the cell has a key
          do
            pick up object
      turn around
      jump
    forward
```

Submit programm
Congratulations !

Congratulations !

Restart

Your score is now: 40 out of 40.

19. The square of diamonds V2

go down

go to the right

go to the left

pick up object

the cell has a diamond

repeat 10 time

do

if

do

Robot Program

repeat 5 time

do

repeat 5 time

do

go down

if the cell has a diamond

do

pick up object

go to the right

repeat 5 time

do

go up

Submit program

Congrats, Bozok has taken all diamonds !

Restart

Your score is now: 40 out of 40

20. The 4 stairs of diamonds

1 remaining blocs on 24 allowed.

forward

turn around

jump

pick up object

the cell has a key

the cell has a diamond

repeat 10 time

do

if

do

Robot Program

repeat 2 time

do

forward

if the cell has a key

do

pick up object

forward

repeat 4 time

do

repeat 7 time

do

forward

if the cell has a key

do

pick up object

if the cell has a diamond

do

pick up object

turn around

repeat 7 time

do

forward

jump

turn around

turn around

forward

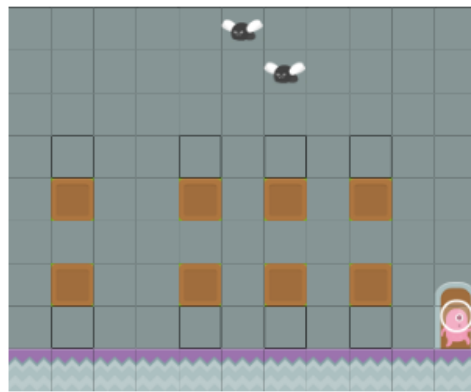
Submit program

Congratulations !

Restart

Your score is now: 40 out of 40

21. The lockers anywhere !



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

Submit programm

Well done !

1 remaining blocs on 10 allowed.

Robot Program

```
repeat 10 time
do
  forward
  if the cell has a key
  do
    pick up object
    jump
    jump
    open locker
  the cell has a key
repeat 10 time
do
  if
  do
```

Well done !

Restart

Your score is now: 40 out of 40.