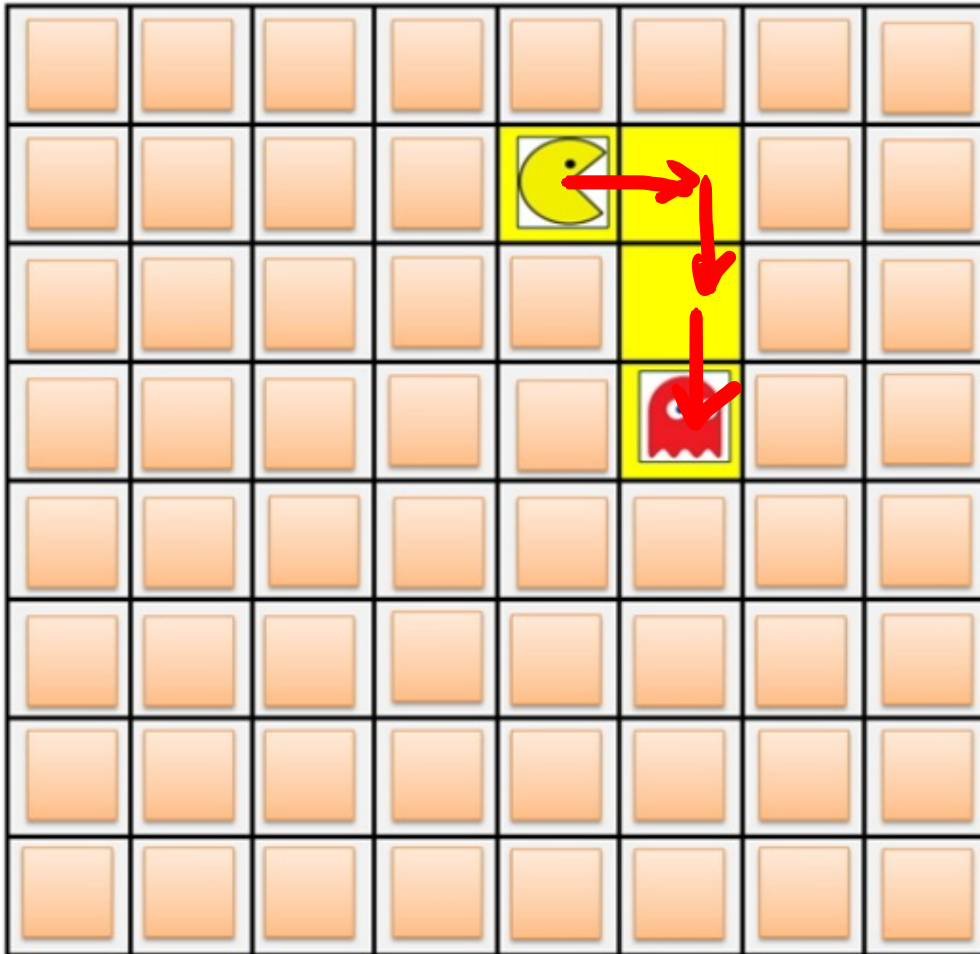


Question 1

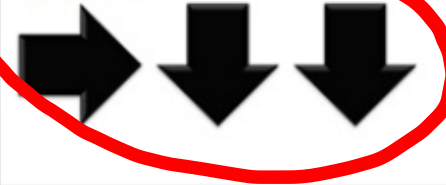
Which instructions take 'Pac-Man' to the ghost by the path marked out?



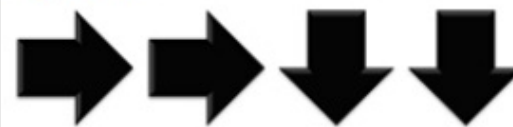
Option A



Option B



Option C

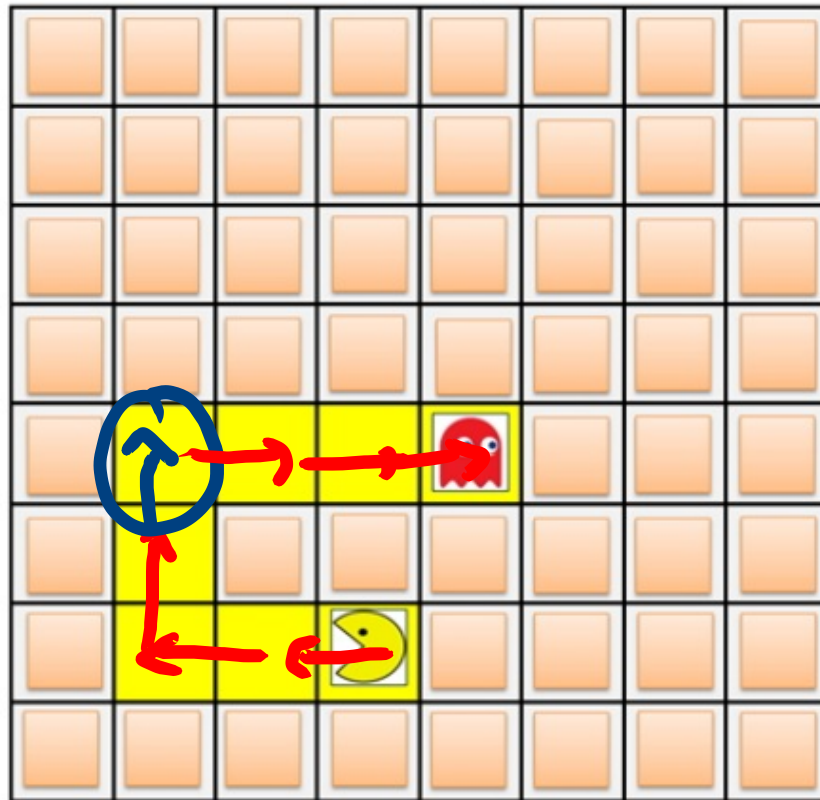
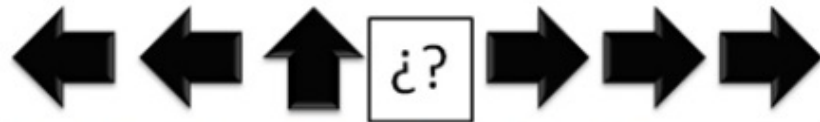


Option D



Question 2

Which step is missing in the instructions below to take 'Pac-Man' to the ghost by the path marked out?



Option A



Option B



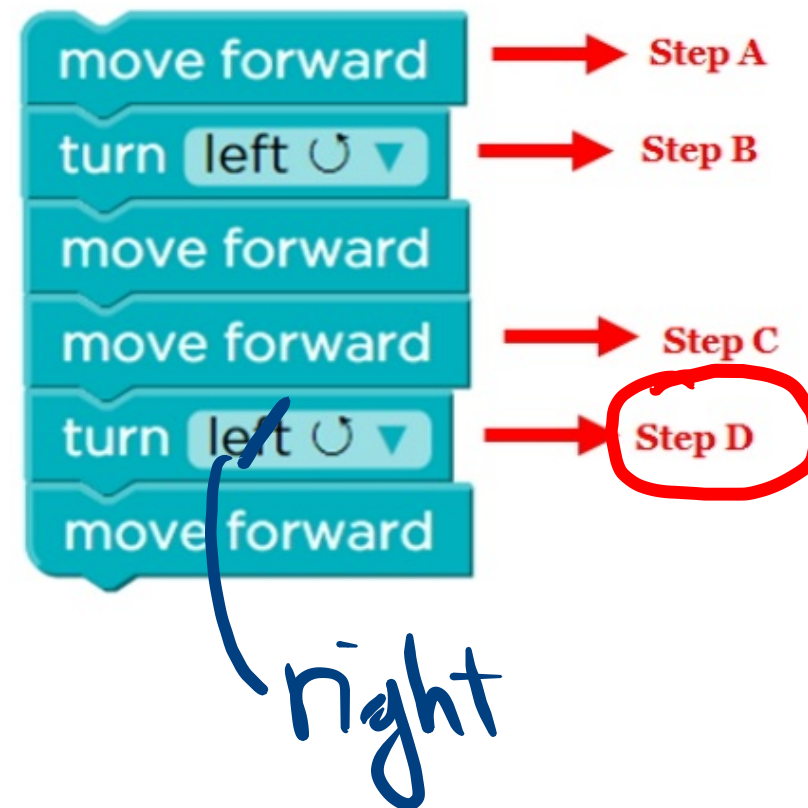
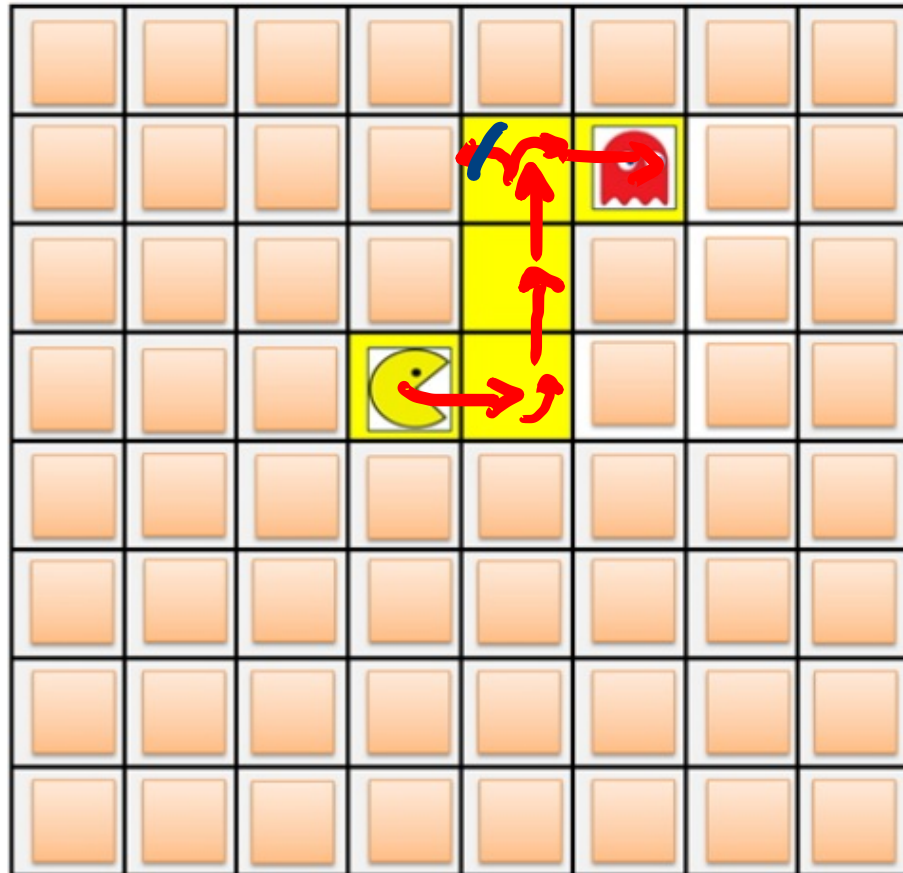
Option C



Option D

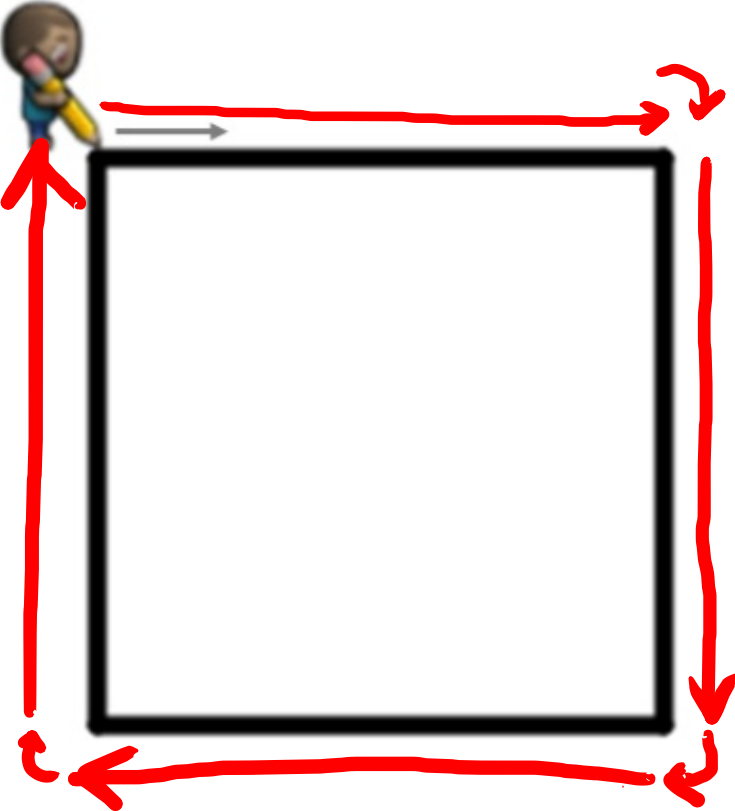


The instructions should take 'Pac-Man' to the ghost by the path marked out. In which step of the instructions is there a **mistake**?



Question 4

Which instructions should the artist follow to draw the square? Each of the sides of the square measures 100 pixels.



Option A

- move forward by 100 pixels
- turn right by 90 degrees
- move forward by 100 pixels
- turn left by 90 degrees
- move forward by 100 pixels
- turn right by 90 degrees
- move forward by 100 pixels

Option B

- move forward by 25 pixels
- turn right by 90 degrees
- move forward by 25 pixels
- turn left by 90 degrees
- move forward by 25 pixels
- turn right by 90 degrees
- move forward by 25 pixels

Option C

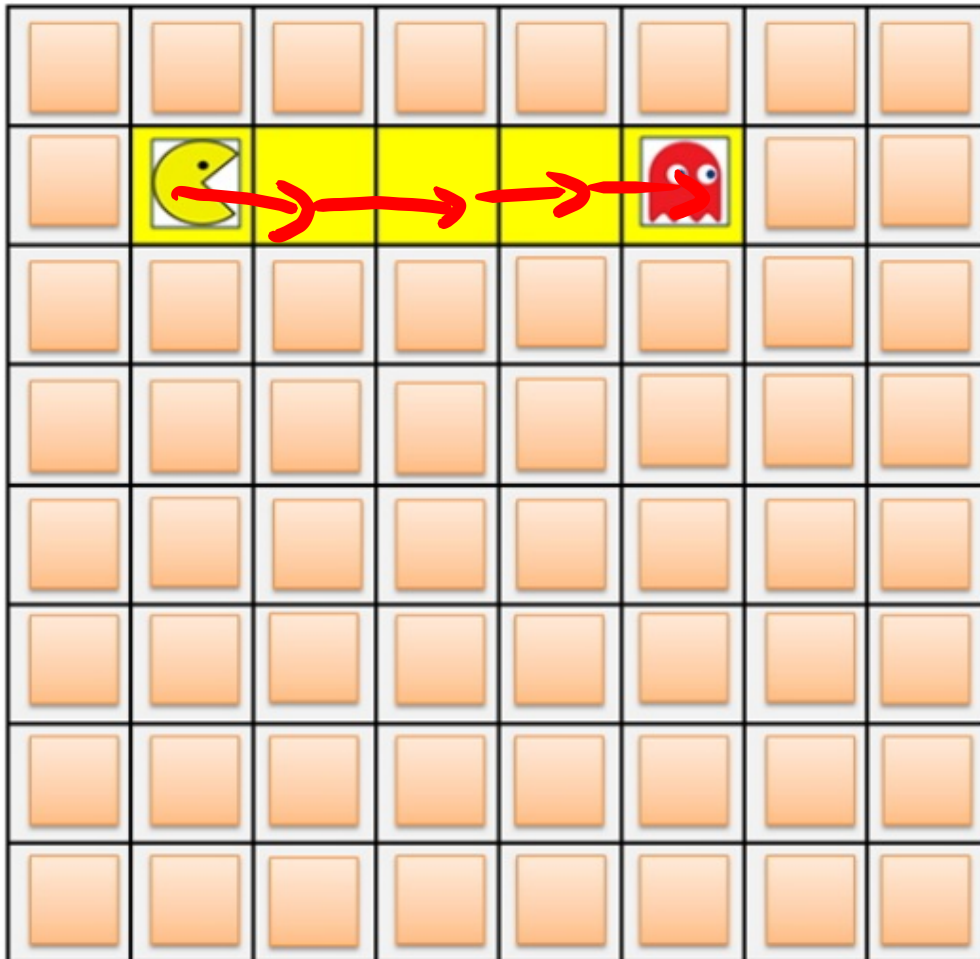
- move forward by 50 pixels
- turn right by 90 degrees
- move forward by 50 pixels
- turn right by 90 degrees
- move forward by 50 pixels
- turn right by 90 degrees
- move forward by 50 pixels

Option D

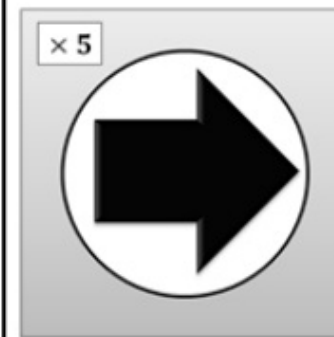
- move forward by 100 pixels ✓
- turn right by 90 degrees ✓
- move forward by 100 pixels ✓
- turn right by 90 degrees ✓
- move forward by 100 pixels ✓
- turn right by 90 degrees ✓
- move forward by 100 pixels ✓

Question 5

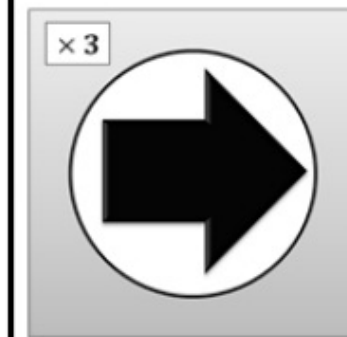
Which instructions take 'Pac-Man' to the ghost by the path marked out?



Option A



Option B



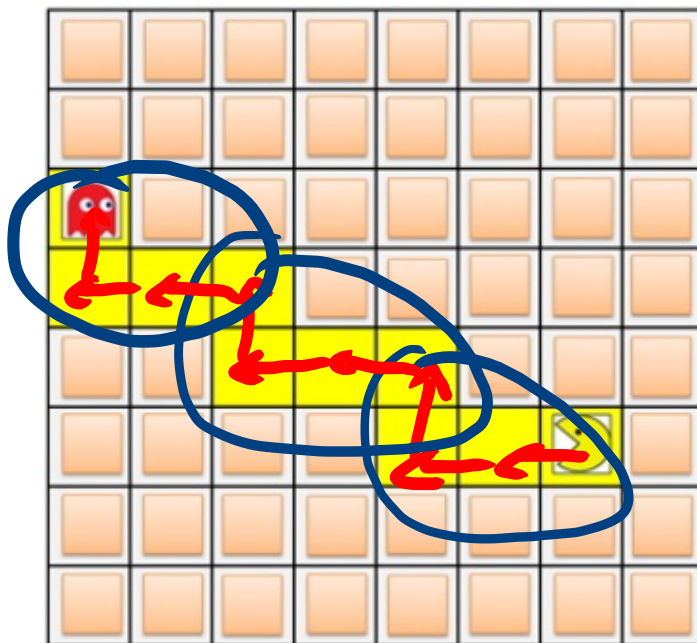
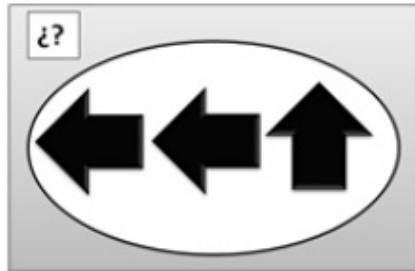
Option C



Option D



How many times must the sequence be repeated to take 'Pac-Man' to the ghost by the path marked out?



Option A

× 2

Option B

× 1

Option C

× 4

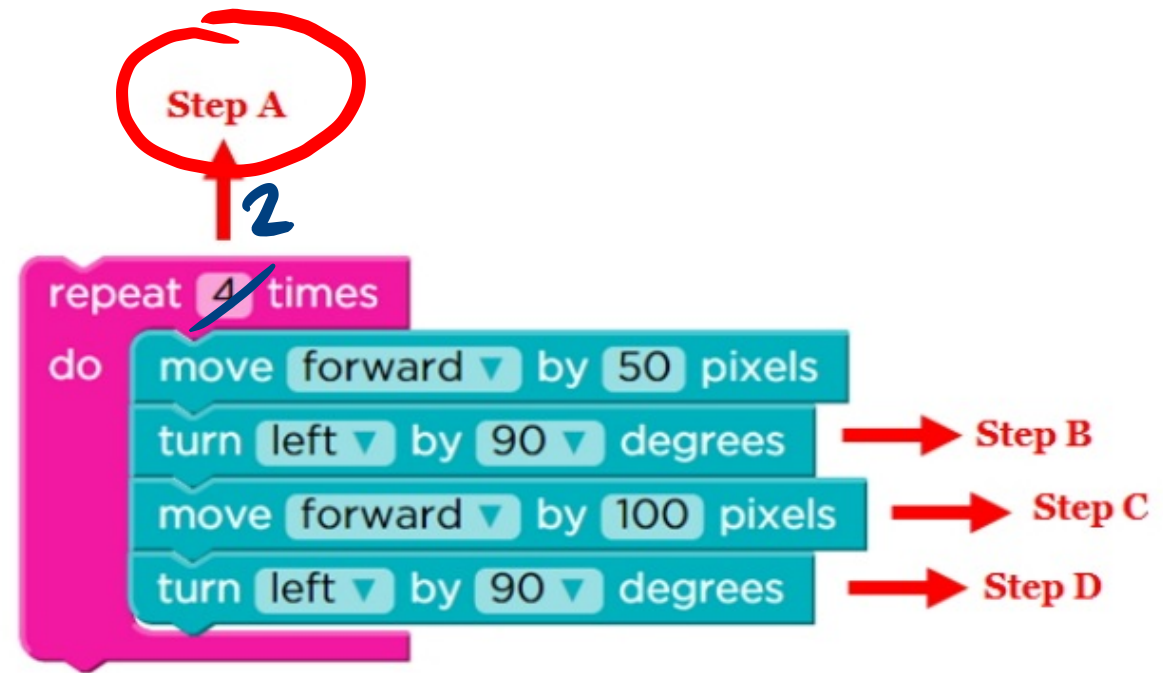
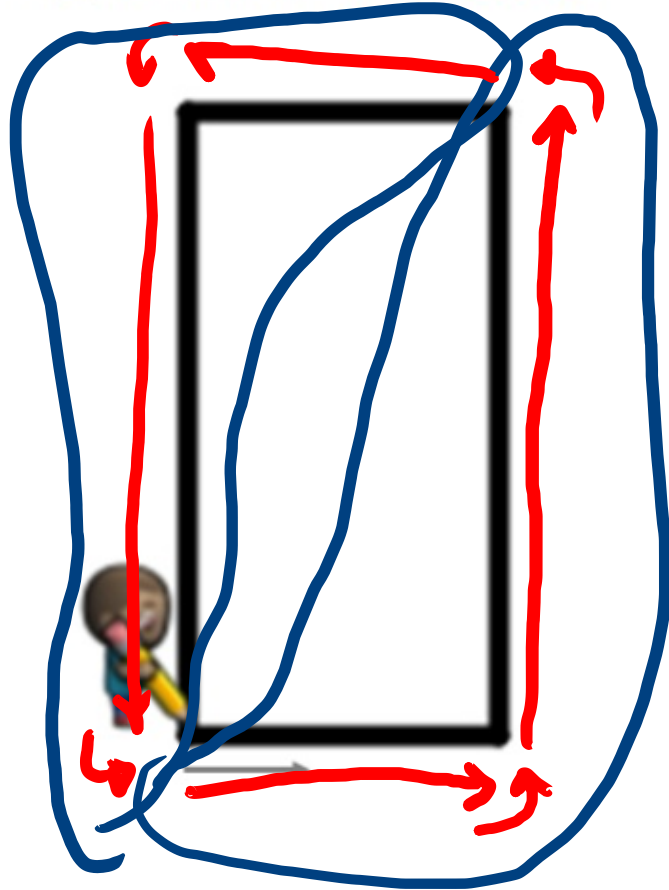
Option D

× 3

9. Question 6

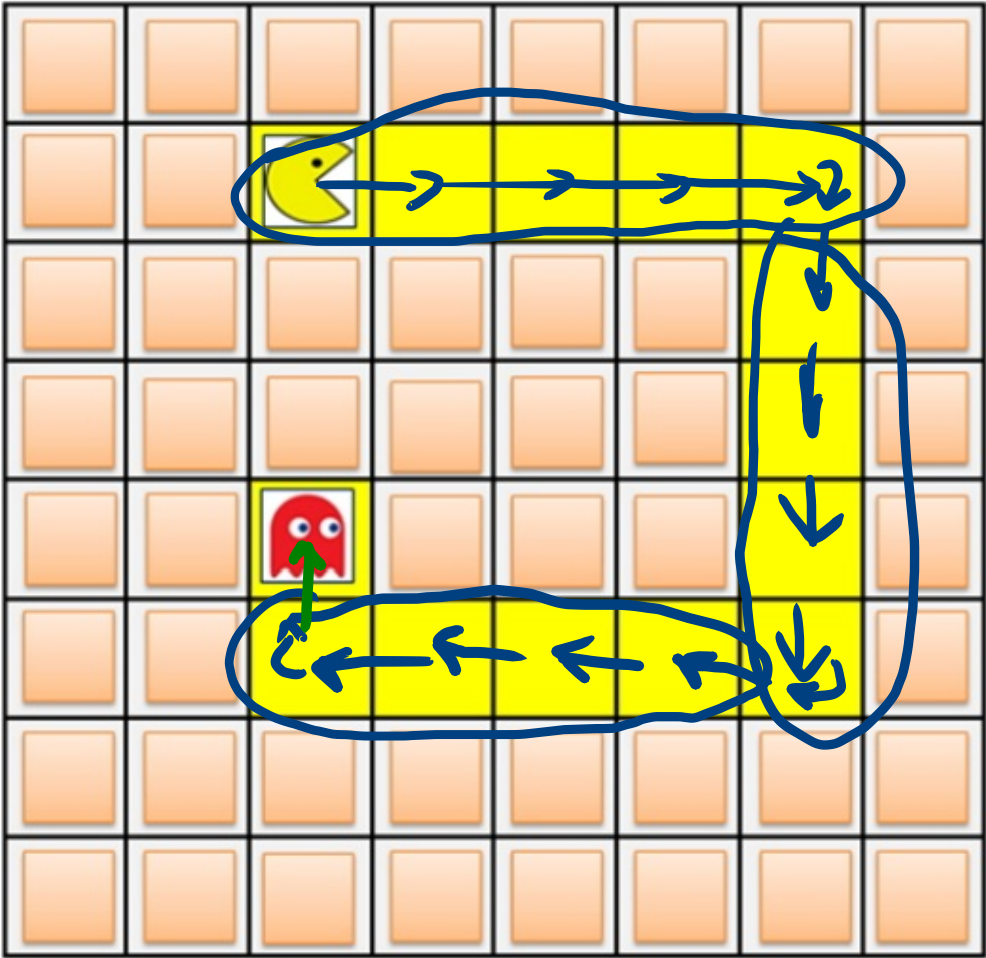
Question 7

The instructions should make the artist draw the following rectangle **once** (50 pixels wide and 100 pixels high). In which step of the instructions is there a **mistake**?



Question 8

Which instructions take 'Pac-Man' to the ghost by the path marked out?



Option A

```
repeat 4 times
do
  repeat 3 times
  do
    move forward
  turn right 90°
move forward
```

Option B

```
repeat 3 times
do
  repeat 4 times
  do
    move forward
  turn right 90°
move forward
```

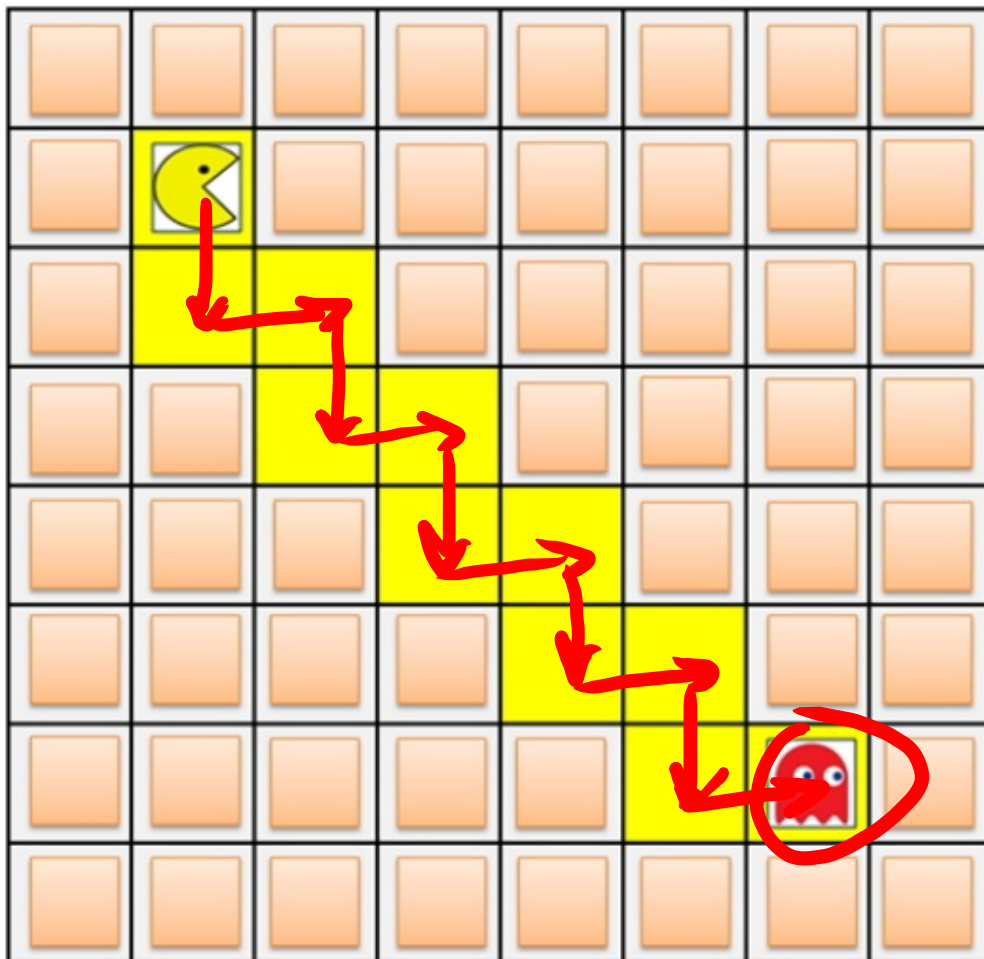
Option C

```
repeat 3 times
do
  repeat 4 times
  do
    move forward
  turn right 90°
move forward
```

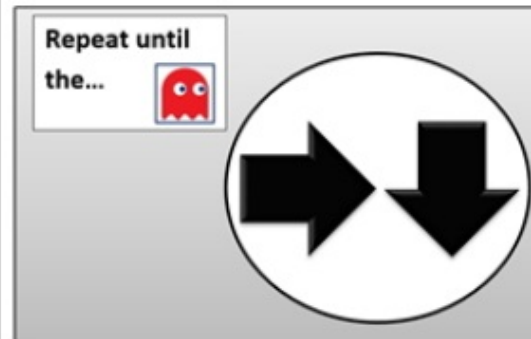
Option D

```
repeat 4 times
do
  move forward
repeat 3 times
do
  turn right 90°
move forward
```

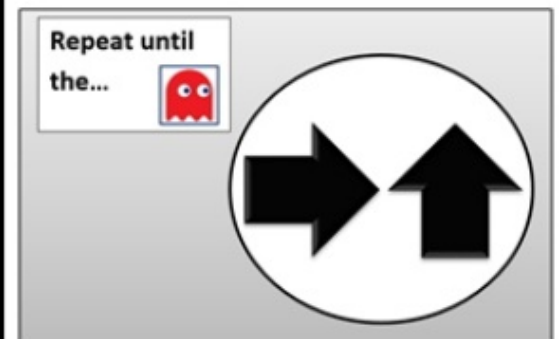
Which instructions take 'Pac-Man' to the ghost by the path marked out?



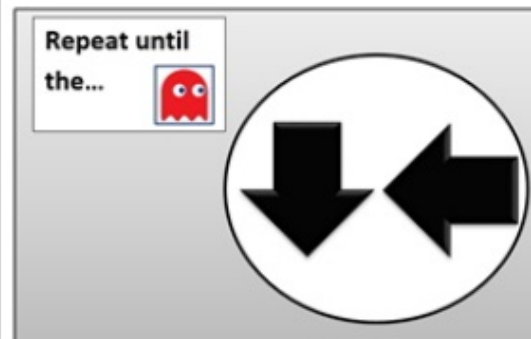
Option A



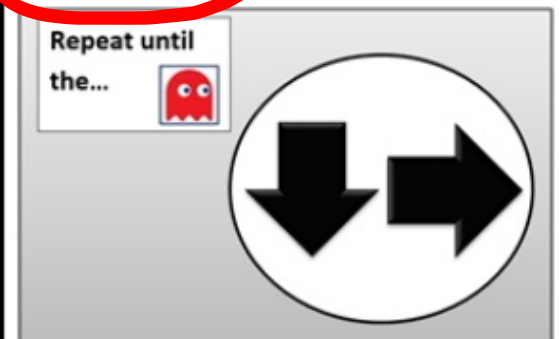
Option B



Option C

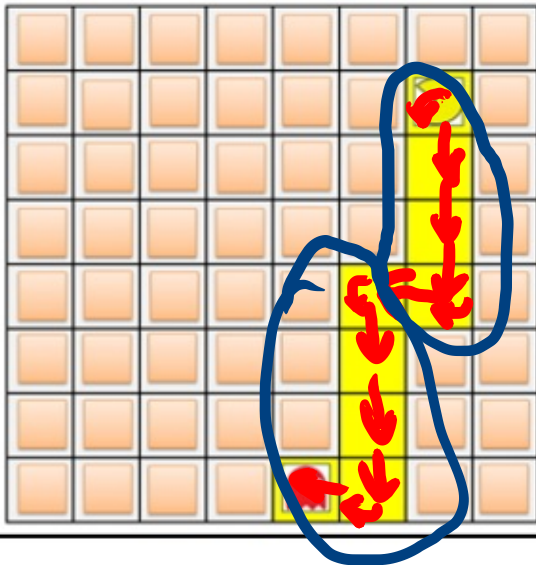
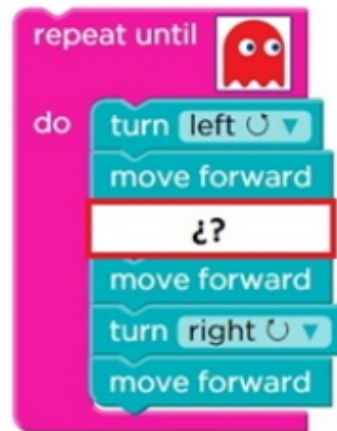


Option D



Question 10

Which step is missing in the instructions below to take 'Pac-Man' to the ghost by the path marked out?



Option A



Option B



Option C

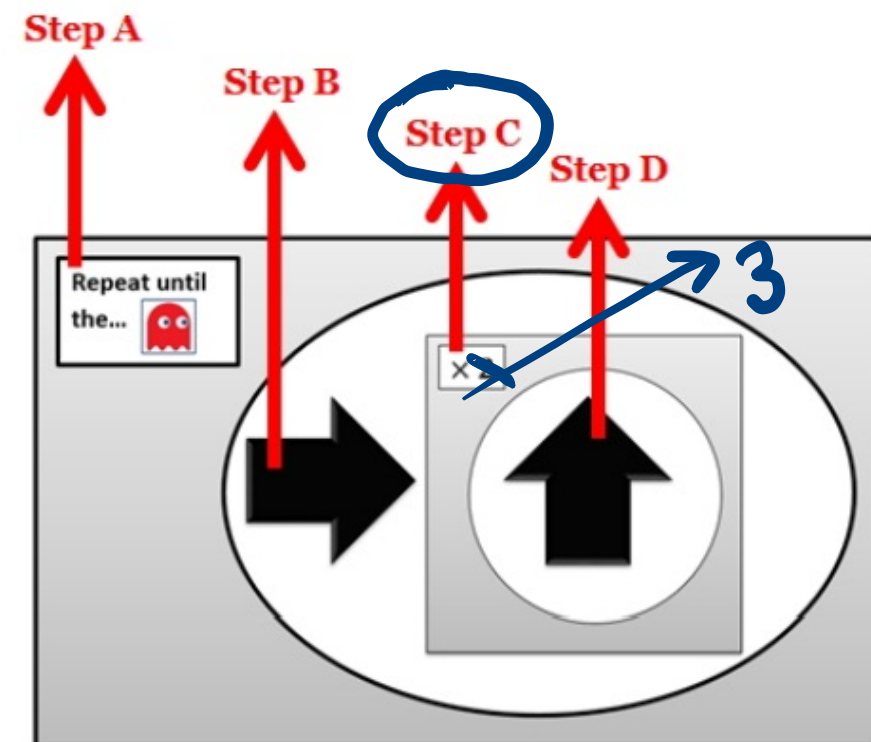
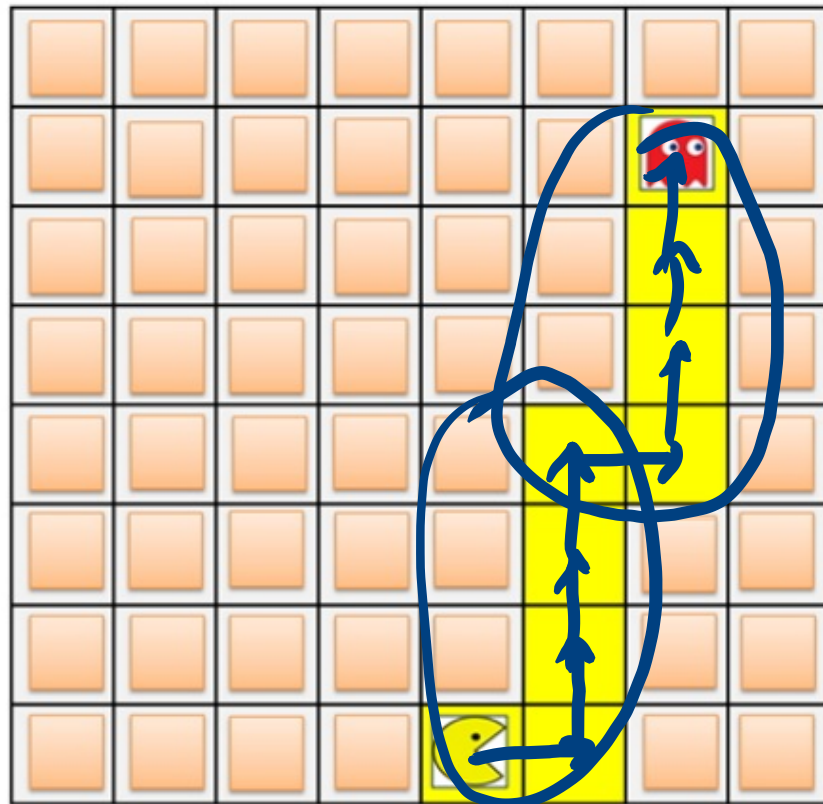


Option D

Not missing any step

Question 11

The instructions should take 'Pac-Man' to the ghost by the path marked out. In which step of the instructions is there a **mistake**?



Which instructions should the artist follow to draw the ladder that reaches the flower? There are 30 pixels between each rung.



Option A

```
Repeat until the flower
do
  repeat 4 times
  do
    move forward by 30 pixels
    turn right by 90 degrees
  jump forward by 30 pixels
```

Option B

```
Repeat until the flower
do
  repeat 4 times
  do
    move forward by 20 pixels
    turn right by 90 degrees
  jump forward by 30 pixels
```

Option C

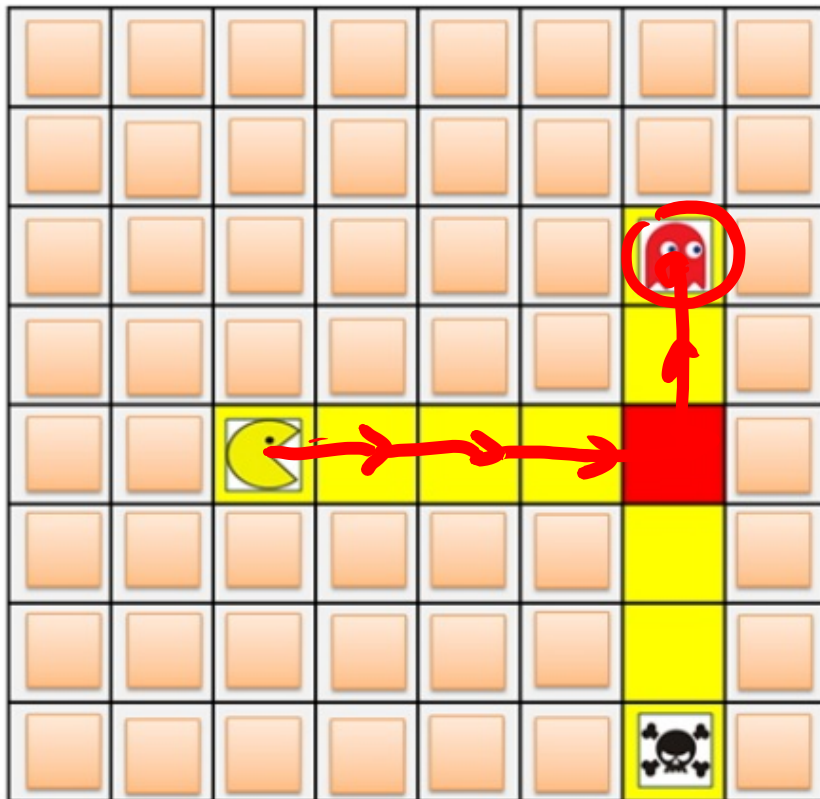
```
Repeat until the flower
do
  repeat 4 times
  do
    move forward by 30 pixels
    turn right by 90 degrees
  jump forward by 20 pixels
```

Option D

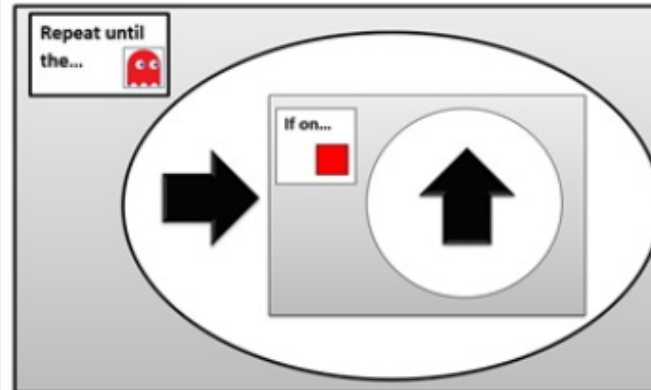
```
Repeat until the flower
do
  repeat 5 times
  do
    move forward by 30 pixels
    turn right by 90 degrees
  jump forward by 30 pixels
```

Question 13

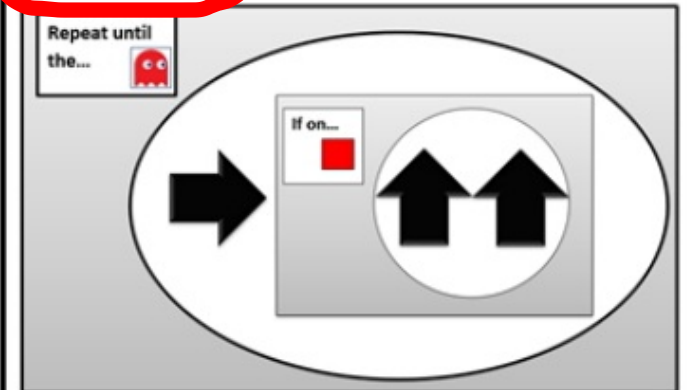
Which instructions take 'Pac-Man' to the ghost by the path marked out?



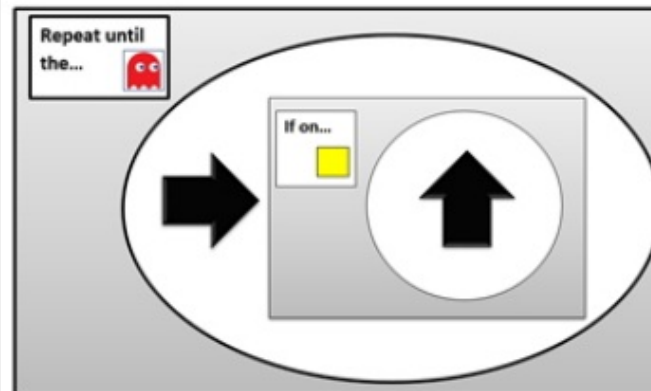
Option A



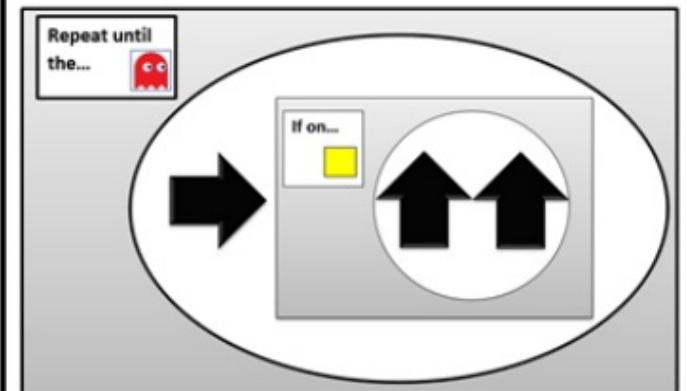
Option B



Option C

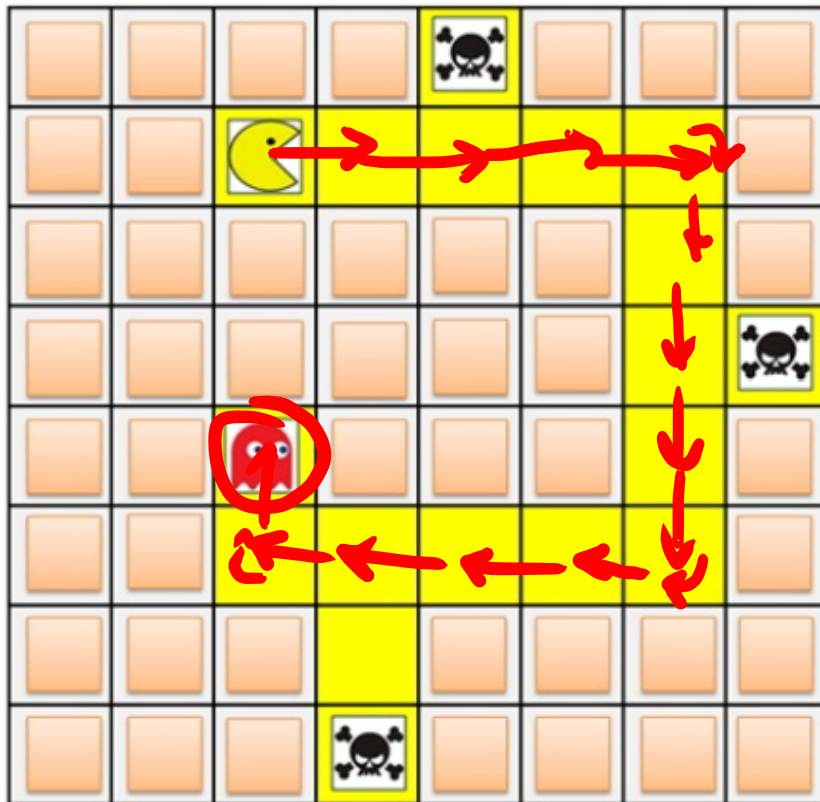


Option D



Question 14

Which instructions take 'Pac-Man' to the ghost by the path marked out?



Option A



Option B



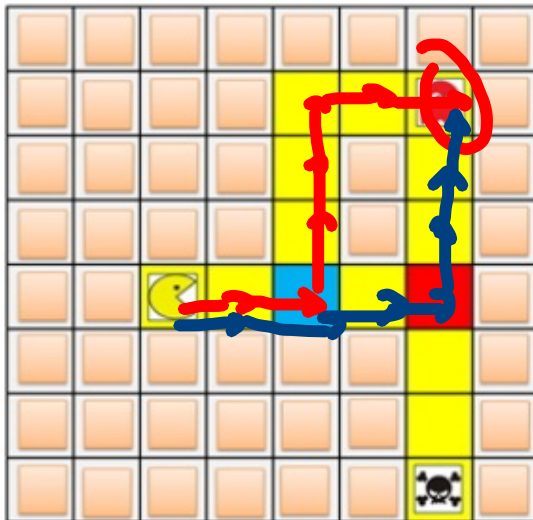
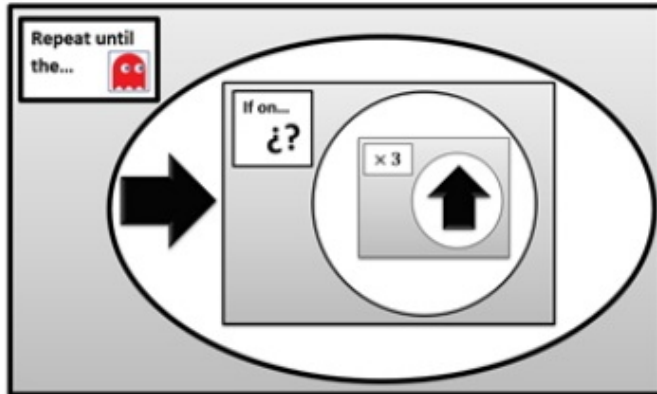
Option C



Option D



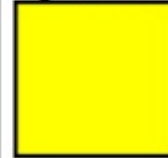
What is missing in the instructions below to take 'Pac-Man' to the ghost by the path marked out?



Option A



Option B



Option C

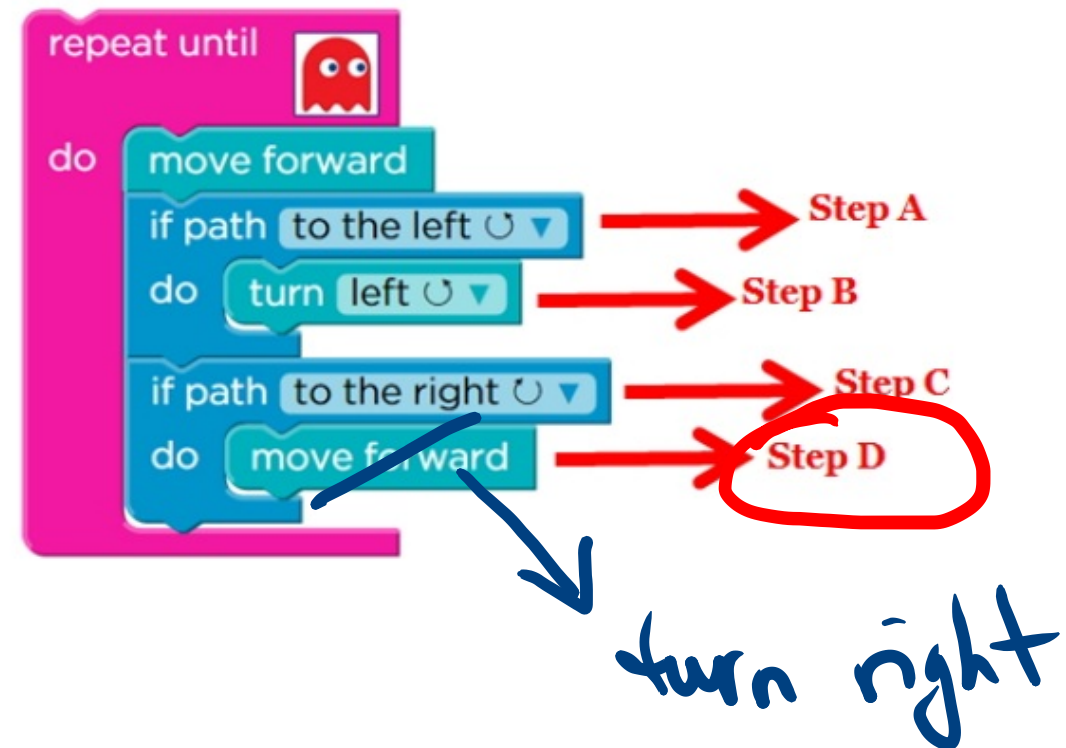
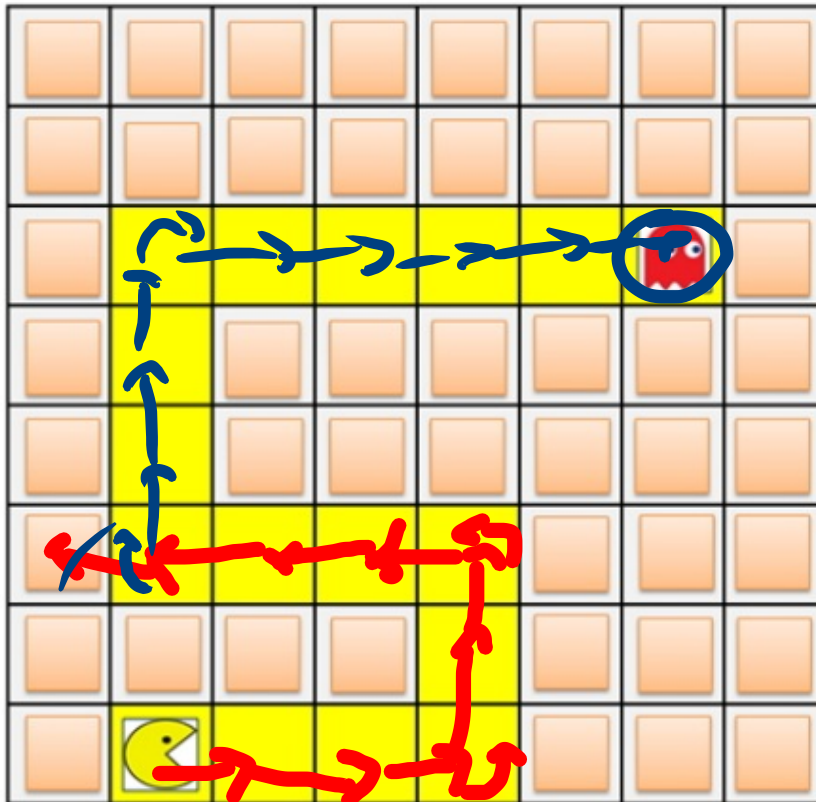


Option D

Both option A and option C are correct

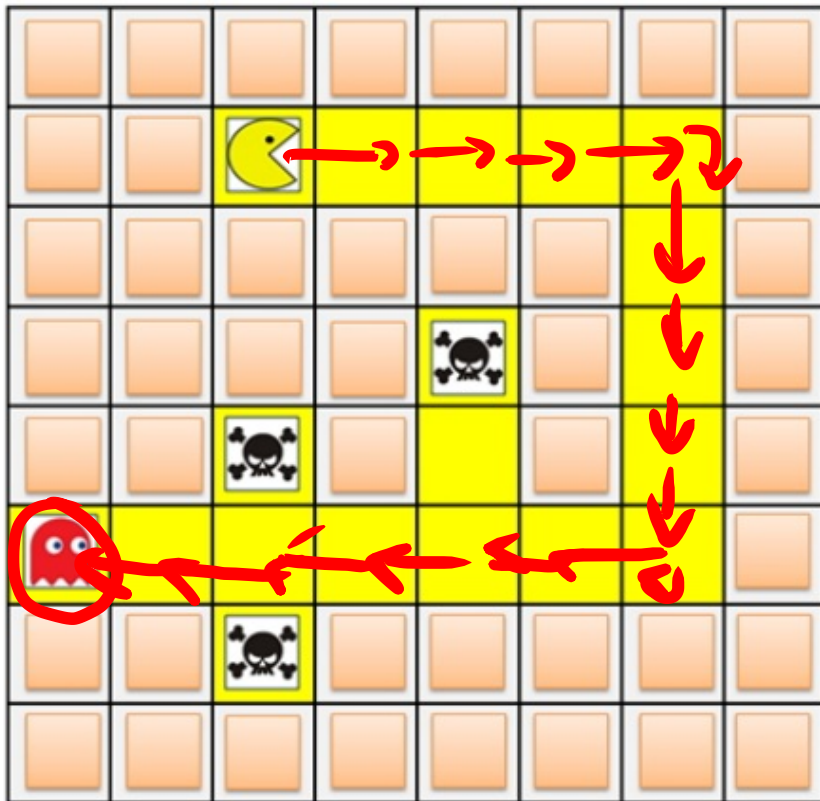
Question 16

The instructions should take 'Pac-Man' to the ghost by the path marked out.
In which step of the instructions is there a **mistake**?



Question 17

Which instructions take 'Pac-Man' to the ghost by the path marked out?



Option A



Option B



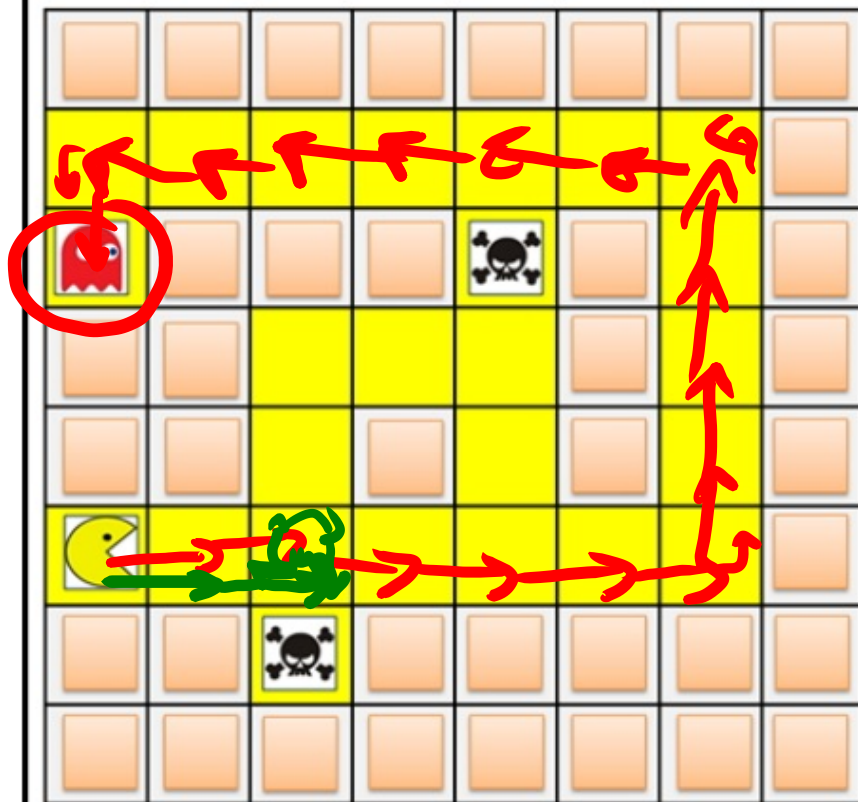
Option C



Option D



Which instructions take 'Pac-Man' to the ghost by the path marked out?



Option A



Option B



Option C

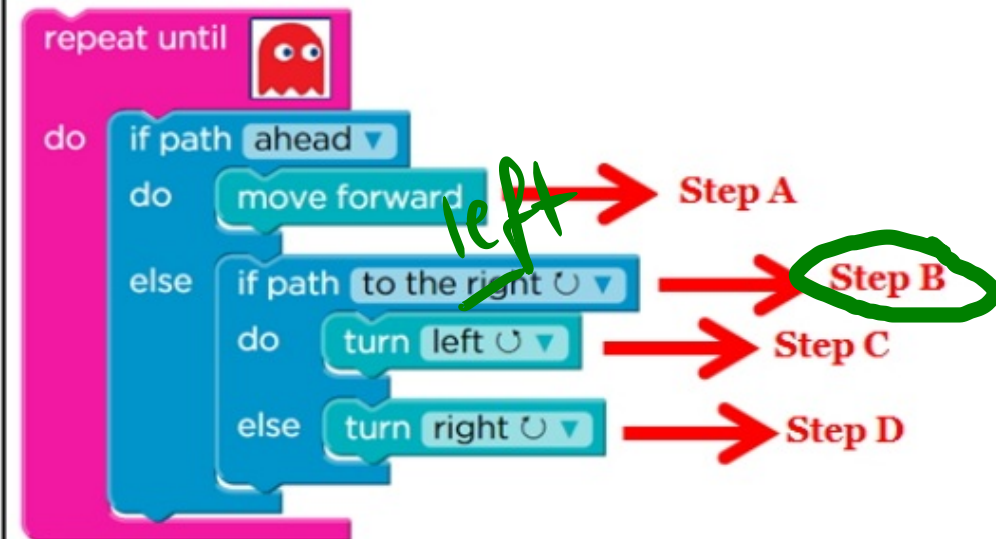
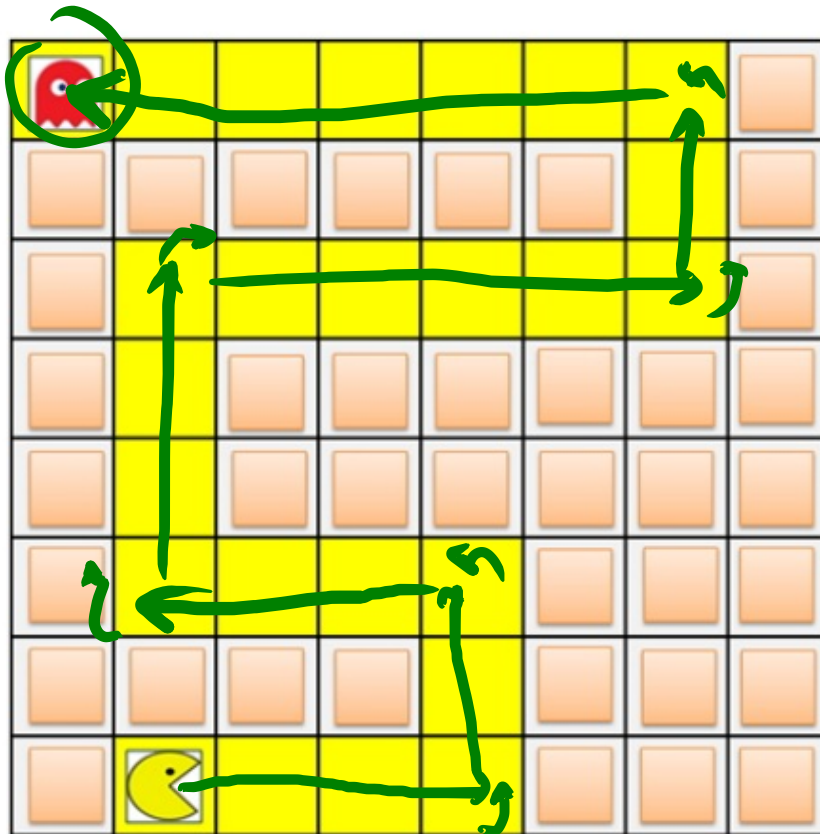


Option D



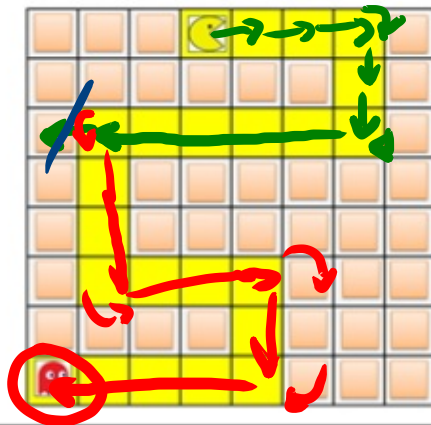
Question 19

The instructions should take 'Pac-Man' to the ghost by the path marked out. In which step of the instructions is there a **mistake**?



Question 20

Which step is missing in the instructions below to take 'Pac-Man' to the ghost by the path marked out?



~~Option A~~

move forward

Option B

turn right

Option C

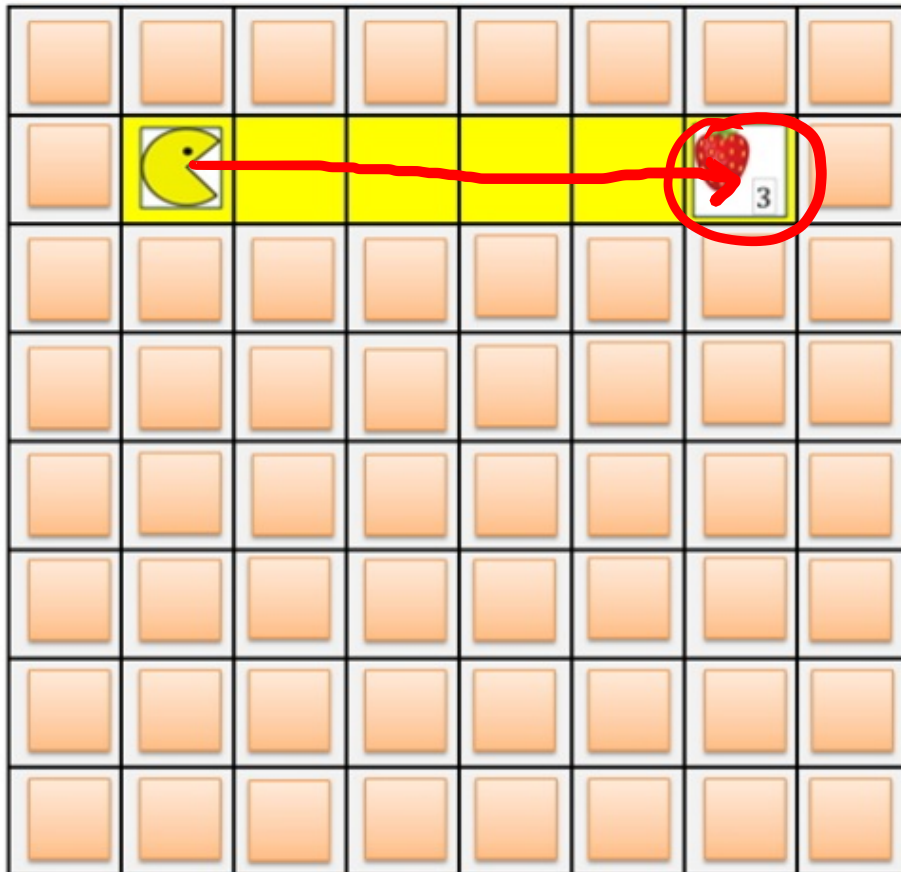
turn left

Option D

Not missing any step

Question 21

Which instructions take 'Pac-Man' to the strawberries by the path marked out and tell 'Pac-Man' to eat all the strawberries shown?



Option A

```
while path ahead
do move forward

repeat 3 times
do Eat 1 strawberry
```

Option B

```
while path ahead
do move forward

repeat 4 times
do Eat 1 strawberry
```

Option C

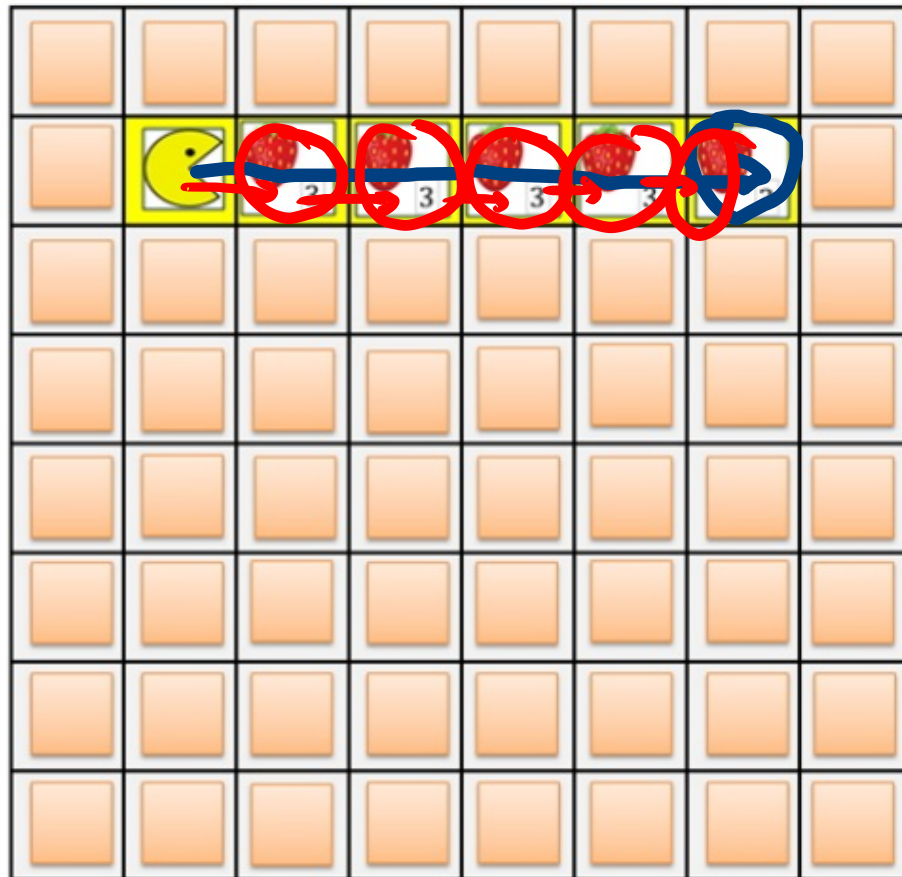
```
while path ahead
do move forward

repeat 5 times
do Eat 1 strawberry
```

Option D

```
while path ahead
do move forward
  repeat 3 times
  do Eat 1 strawberry
```

Which instructions take 'Pac-Man' to the strawberries by the path marked out and tell 'Pac-Man' to eat all the strawberries shown?



Option A

```

while path ahead
do
  repeat 5 times
  do
    move forward
  repeat 3 times
  do
    Eat 1 strawberry
  
```

Option B

```

while path ahead
do
  move forward
  repeat 3 times
  do
    Eat 1 strawberry
  
```

Option C

```

while path ahead
do
  repeat 3 times
  do
    move forward
  repeat 5 times
  do
    Eat 1 strawberry
  
```

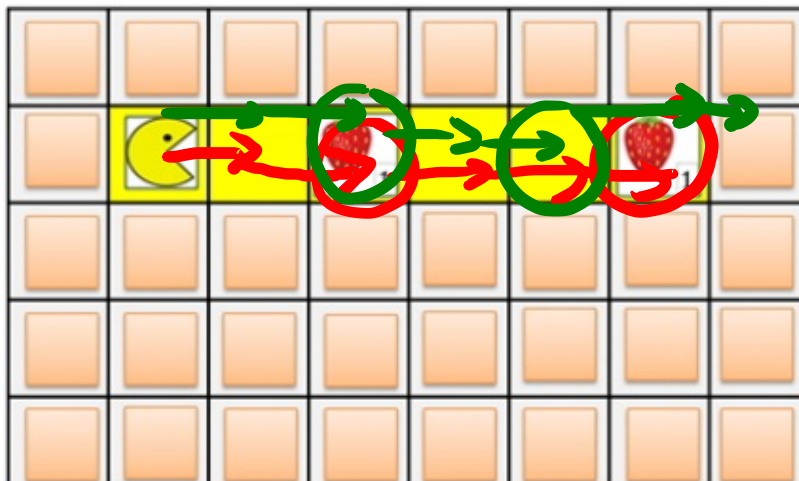
Option D

```

while path ahead
do
  move forward
repeat 3 times
do
  Eat 1 strawberry
  
```

Question 23

What is missing in the instructions below to take 'Pac-Man' to the strawberries by the path marked out and tell 'Pac-Man' to eat all the strawberries shown?



Option A

1 time

~~Option B~~

~~*2 times*~~

Option C

3 times

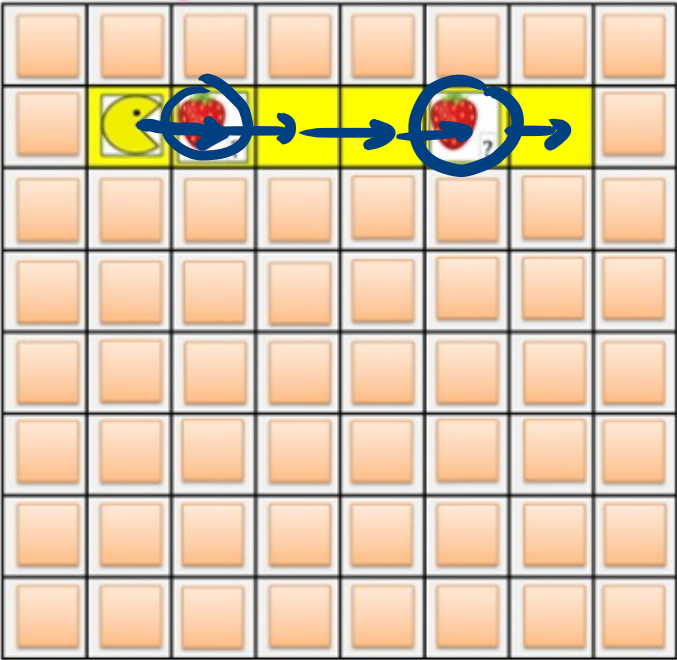
Option D

5 times

Question 24

Which step is missing in the instructions below to take 'Pac-Man' to the strawberries by the path marked out and tell 'Pac-Man' to eat all the strawberries (unknown number)?

```
while path ahead
do
  move forward
  if any strawberries
  do
    ??????????????????????
    do
      Eat 1 strawberry
```



Option A

While path ahead

Option B

While no path ahead

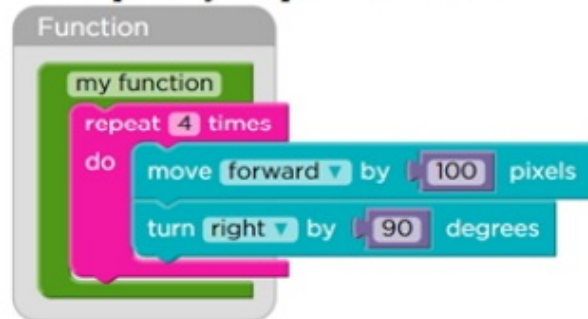
Option C

While any strawberries

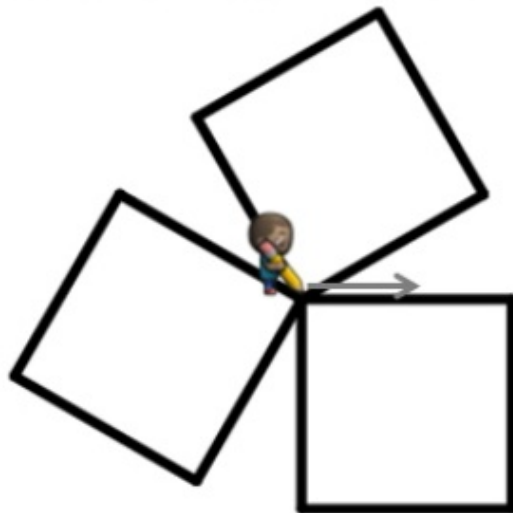
Option D

While no strawberries

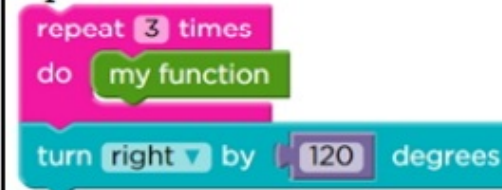
The following set of instructions is called '**my function**', and draws one square of 100 pixels each side:



Which instructions should the artist follow to draw the following design?
Each side of each square measures 100 pixels.



Option A



Option B



Option C

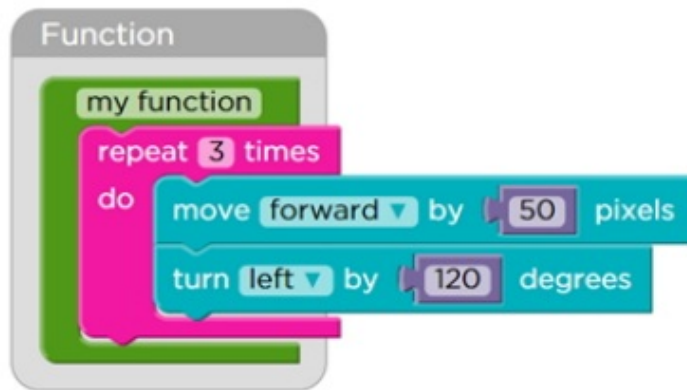


Option D

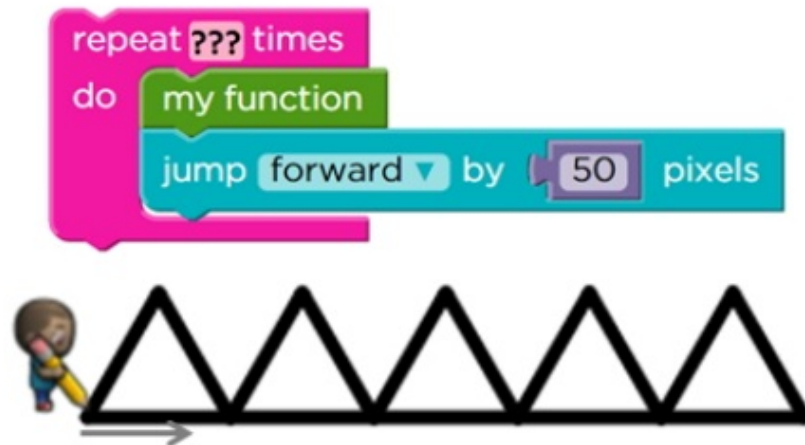


Question 26

The following set of instructions is called '**my function**', and draws one triangle of 50 pixels each side:



The instructions below should make the artist draw the following design. Each side of each triangle measures 50 pixels. What is missing in the instructions?



Option A

15

Option B

5

Option C

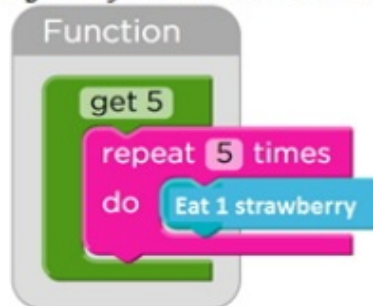
4

Option D

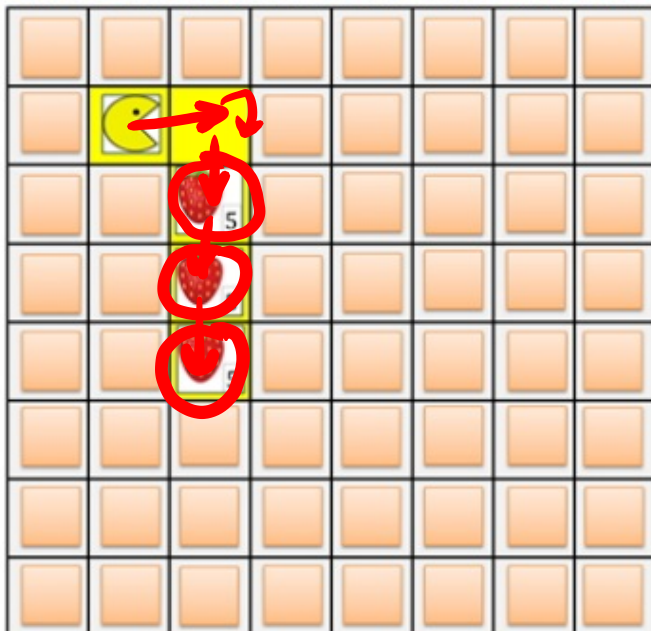
3

Question 27

The following set of instructions is called 'get 5':



Which instructions take 'Pac-Man' to the strawberries by the path marked out and tell 'Pac-Man' to eat all the strawberries shown?



Option A



Option B



Option C



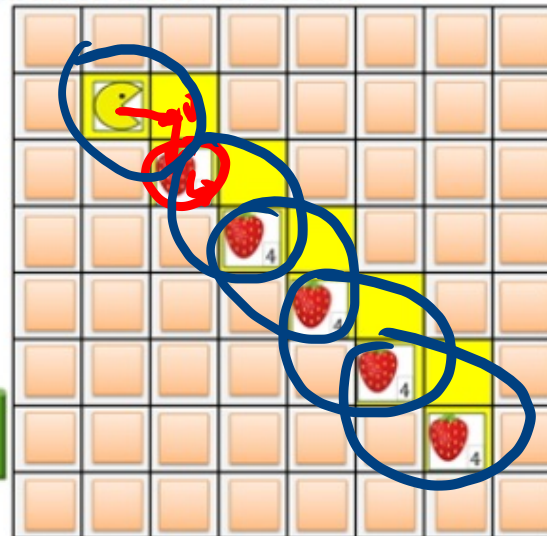
Option D



The following set of instructions is called 'move and get 4':



What is missing in the instructions below to take 'Pac-Man' to the strawberries by the path marked out and tell 'Pac-Man' to eat all the strawberries shown?



Option A

3

Option B

4

Option C

5 ✓

Option D

6