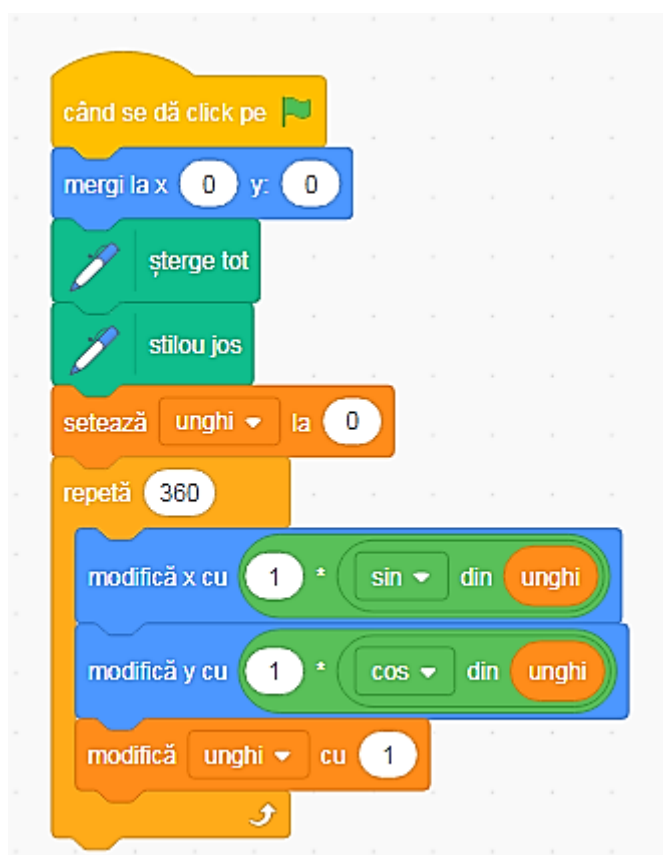


Sin, cos, cerc

#59

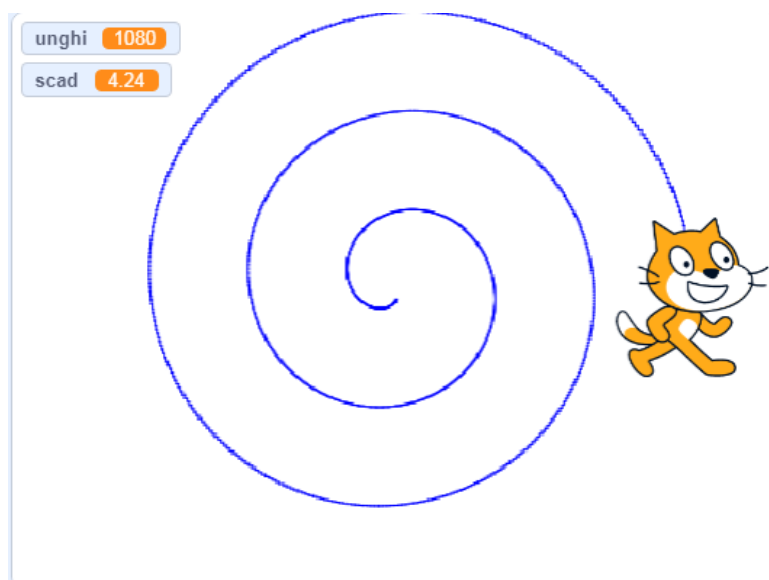
Nr de repetări = nr. de grade(cerc)



unghi 360

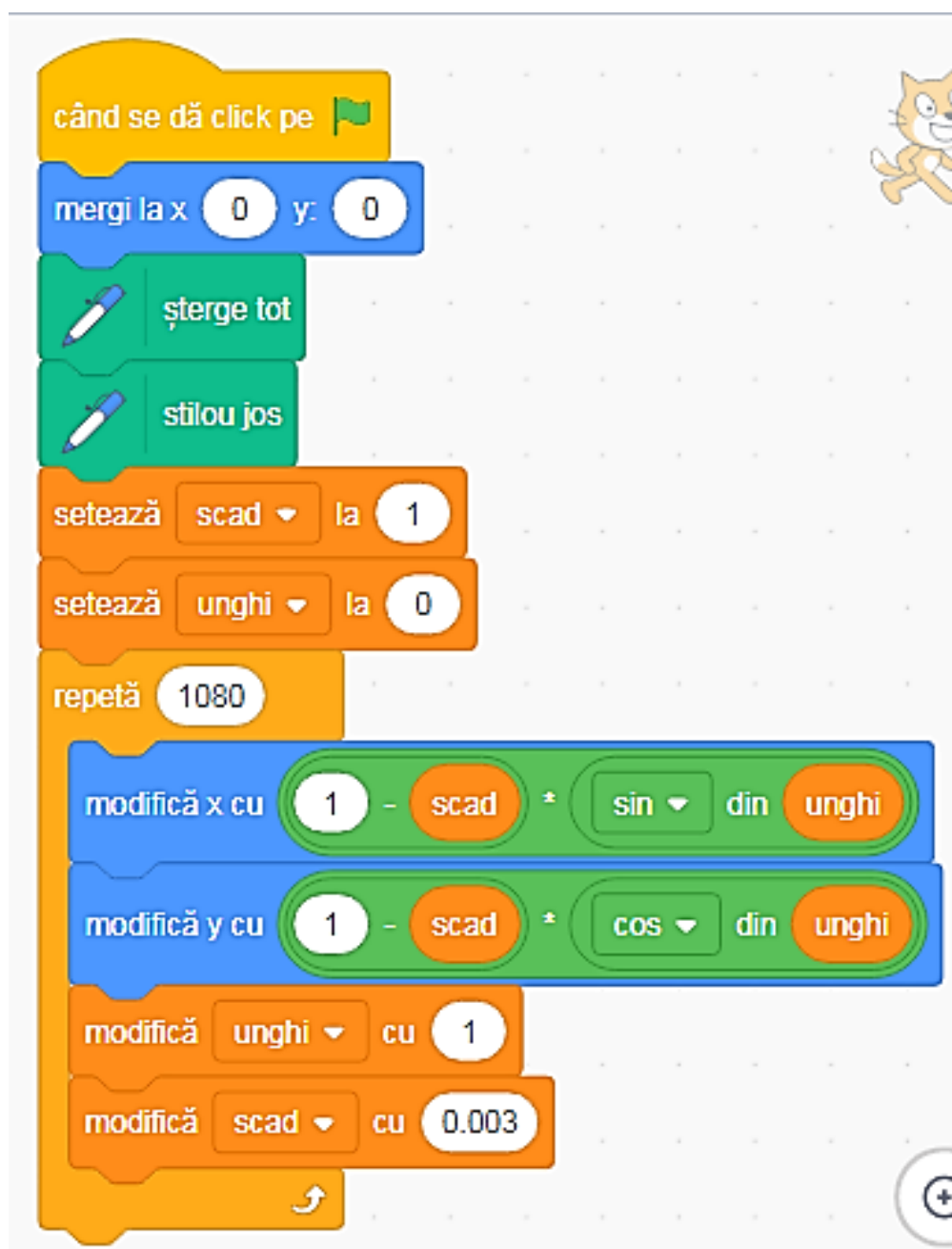


Spirala



Sin, cos, cerc

#59



The image shows a Scratch script for drawing a circle. The script starts with a yellow 'when clicked' block, followed by a blue 'go to x: 0 y: 0' block. Then, there are two green drawing blocks: 'erase all' and 'pen down'. This is followed by two orange 'set' blocks: 'set speed to 1' and 'set angle to 0'. A large orange 'repeat' block with a count of 1080 contains the following steps: a blue 'change x by' block with the formula $1 - \text{speed} * \sin(\text{angle})$; a blue 'change y by' block with the formula $1 - \text{speed} * \cos(\text{angle})$; an orange 'change angle by' block with the value 1; and an orange 'change speed by' block with the value 0.003. A small Scratch cat icon is visible in the top right corner of the workspace.

```
when clicked  
go to x: 0 y: 0  
erase all  
pen down  
set speed to 1  
set angle to 0  
repeat 1080  
  change x by 1 - speed * sin(angle)  
  change y by 1 - speed * cos(angle)  
  change angle by 1  
  change speed by 0.003
```