

Blocklyで遊ぼう

迷路

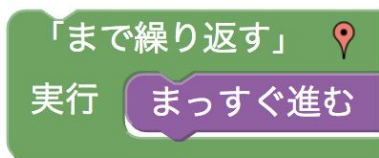
1.



2.



3.



4.



5.



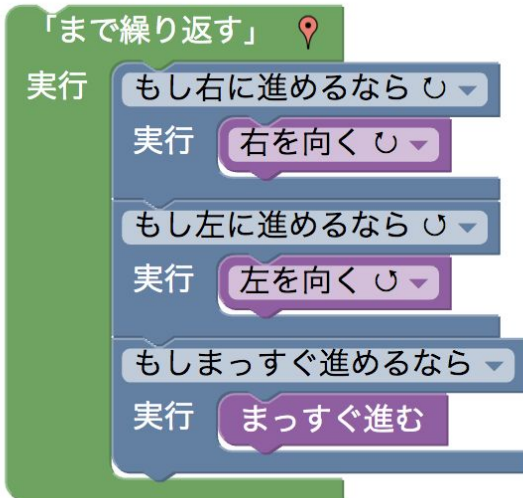
6.



7.



8.



9.



10.



鳥

1.



2.



3.



4.



5.



6.



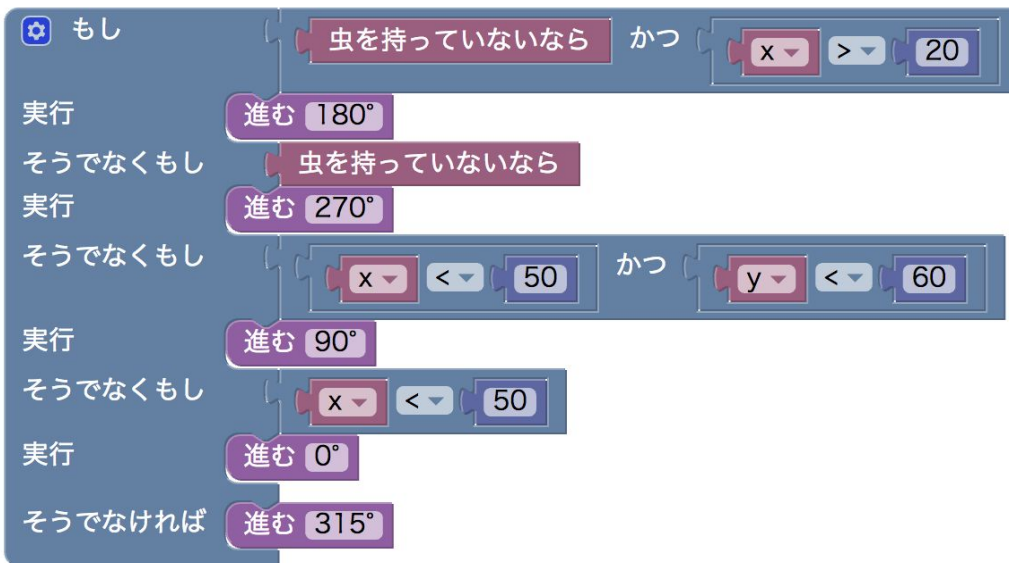
7.



8.



9.



10.



タートル

1.



2.



3.



4.

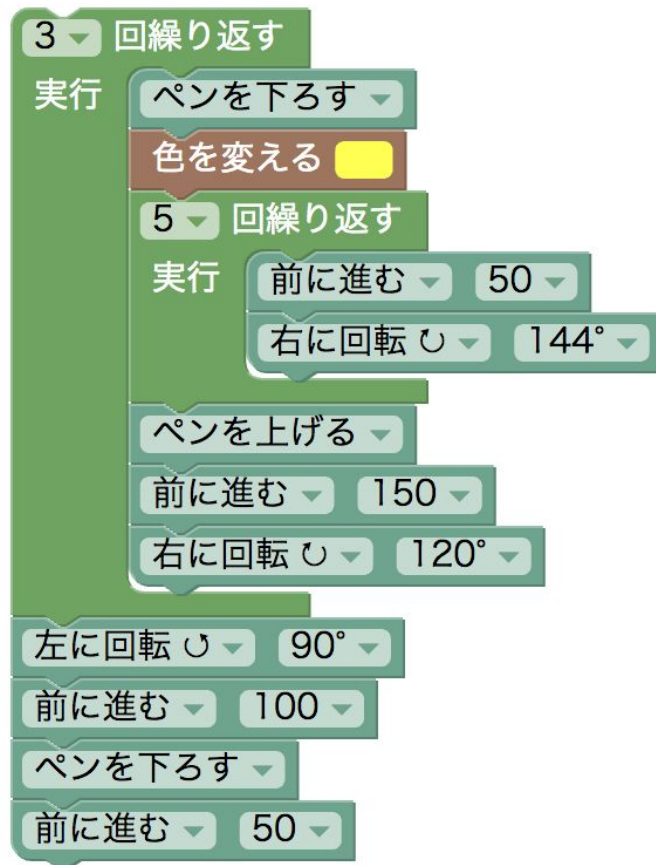


5.



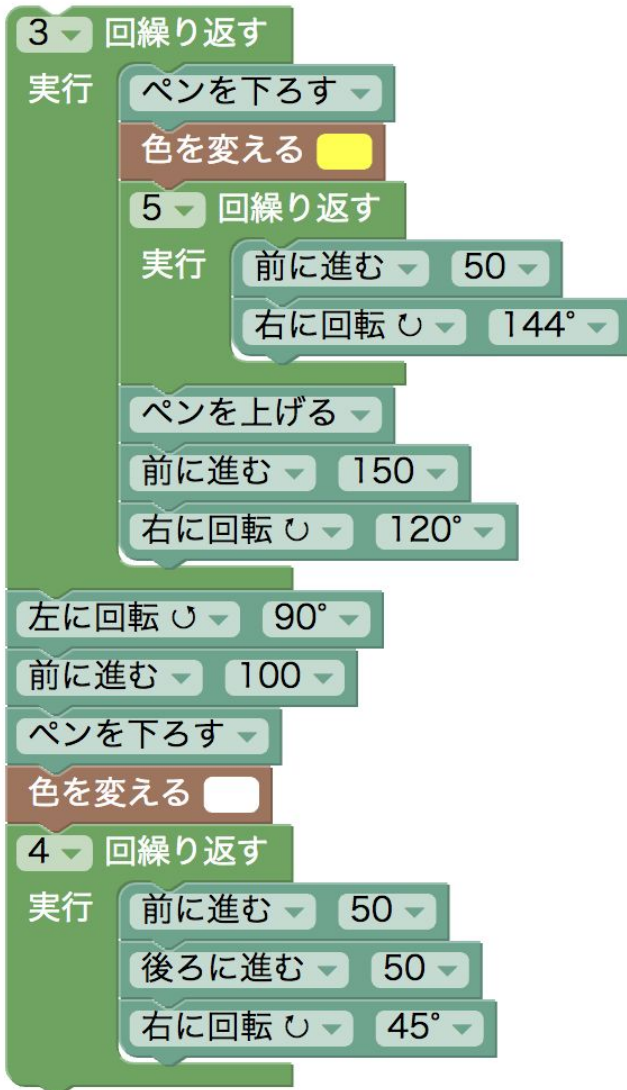
```
4 回繰り返す
  実行
    ペンを下ろす
    色を変える [黄色]
    5 回繰り返す
      実行
        前に進む [50]
        右に回転 [144°]
    ペンを上げる
    前に進む [150]
    右に回転 [90°]
```

6.



```
3 回繰り返す
  実行
    ペンを下ろす
    色を変える [黄色]
    5 回繰り返す
      実行
        前に進む [50]
        右に回転 [144°]
    ペンを上げる
    前に進む [150]
    右に回転 [120°]
  左に回転 [90°]
  前に進む [100]
  ペンを下ろす
  前に進む [50]
```

7.



8.

```
3 回繰り返す
  実行
    ペンを下ろす
    色を変える [黄色]
    5 回繰り返す
      実行
        前に進む 50
        右に回転 144
    ペンを上げる
    前に進む 150
    右に回転 120
  左に回転 90
  前に進む 100
  ペンを下ろす
  色を変える [白色]
360 回繰り返す
  実行
    前に進む 50
    後ろに進む 50
    右に回転 1
```

The image shows a Scratch script with the following blocks:

- 3 回繰り返す (Repeat 3 times)
- 実行 (Execute)
- ペンを下ろす (Put pen down)
- 色を変える [黄色] (Change color to yellow)
- 5 回繰り返す (Repeat 5 times)
- 実行 (Execute)
- 前に進む 50 (Move forward 50)
- 右に回転 144 (Turn right 144)
- ペンを上げる (Put pen up)
- 前に進む 150 (Move forward 150)
- 右に回転 120 (Turn right 120)
- 左に回転 90 (Turn left 90)
- 前に進む 100 (Move forward 100)
- ペンを下ろす (Put pen down)
- 色を変える [白色] (Change color to white)
- 360 回繰り返す (Repeat 360 times)
- 実行 (Execute)
- 前に進む 50 (Move forward 50)
- 後ろに進む 50 (Move backward 50)
- 右に回転 1 (Turn right 1)

9.

3 回繰り返す

- 実行
 - ペンを下ろす
 - 色を変える
 - 5 回繰り返す
 - 実行
 - 前に進む 50
 - 右に回転 144°
 - ペンを上げる
 - 前に進む 150
 - 右に回転 120°
 - 左に回転 90°
 - 前に進む 100
 - ペンを下ろす
 - 色を変える
- 360 回繰り返す
 - 実行
 - 前に進む 50
 - 後ろに進む 50
 - 右に回転 1°
 - ペンを上げる
 - 右に回転 120°
 - 前に進む 20
 - 色を変える
 - ペンを下ろす
- 360 回繰り返す
 - 実行
 - 前に進む 50
 - 後ろに進む 50
 - 右に回転 1°

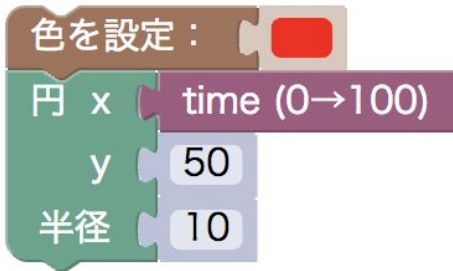
動画

1.

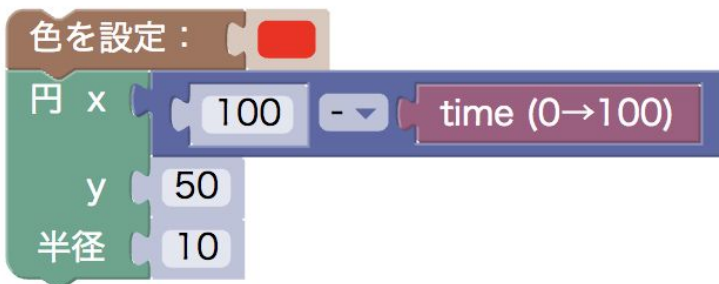
The image shows a Scratch script with the following blocks:

- 色を設定 :** (Set color to) Red
- 円 x** (Circle) with parameters: x=50, y=80, 半径 (radius)=10
- 色を設定 :** (Set color to) Black
- 線 xを開始** (Line) with parameters: xを開始 (x start)=50, yを開始 (y start)=50, xを終了 (x end)=80, yを終了 (y end)=70, 幅 (width)=5
- 線 xを開始** (Line) with parameters: xを開始 (x start)=50, yを開始 (y start)=50, xを終了 (x end)=20, yを終了 (y end)=70, 幅 (width)=5
- 色を設定 :** (Set color to) Blue
- 長方形 x** (Rectangle) with parameters: x=50, y=40, 幅 (width)=20, 高さ (height)=60

2.



3.



4.



5.

色を設定 :

円 x 30
y 20 + time (0→100)
半径 10

円 x 70
y 20 + time (0→100)
半径 10

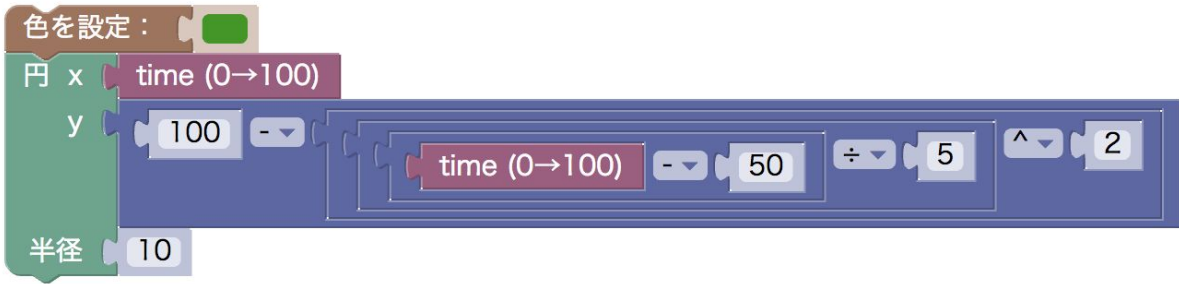
円 x 50
y time (0→100)
半径 20

6.

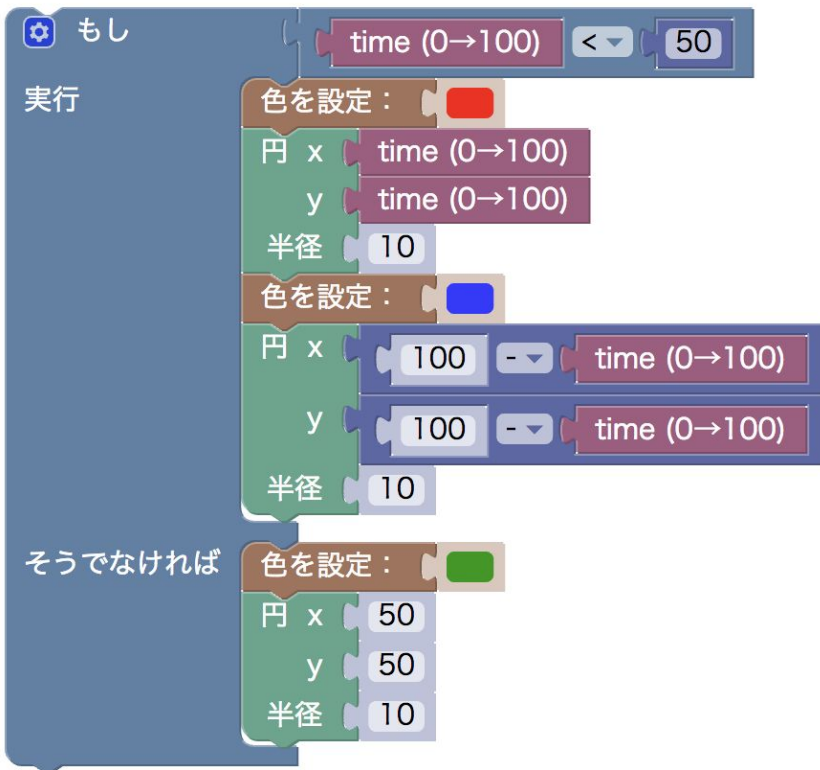
線 xを開始 time (0→100)
yを開始 time (0→100)
xを終了 100 - time (0→100)
yを終了 100
幅 1

線 xを開始 time (0→100)
yを開始 time (0→100)
xを終了 100 - time (0→100)
yを終了 0
幅 1

7.



8.



9.

The image shows a Scratch script for drawing a square with rounded corners. The script is organized into three main sections: drawing the top and bottom edges, drawing the left and right edges, and drawing the four rounded corners.

Section 1: Drawing the top and bottom edges.

- Top edge:** A "color set" block (grey), followed by three "line" blocks. The first line block has x-start: 0, y-start: 40, x-end: 20, y-end: 40, width: 1. The second line block has x-start: 20, y-start: 40, x-end: 20, y-end: 80, width: 1. The third line block has x-start: 20, y-start: 80, x-end: 80, y-end: 80, width: 1.
- Bottom edge:** A "color set" block (green), followed by three "line" blocks. The first line block has x-start: 20, y-start: 80, x-end: 80, y-end: 80, width: 1. The second line block has x-start: 80, y-start: 80, x-end: 80, y-end: 40, width: 1. The third line block has x-start: 80, y-start: 40, x-end: 20, y-end: 40, width: 1.

Section 2: Drawing the left and right edges.

- Left edge:** A "when green flag clicked" block, followed by a "wait 20 seconds" block, then an "execute" block with x: 20, y: 40, radius: 10.
- Right edge:** A "when green flag clicked" block, followed by a "wait 40 seconds" block, then an "execute" block with x: 20, y: 80, radius: 10, and a "multiply y by 2" block.

Section 3: Drawing the four rounded corners.

- Top-left corner:** A "when green flag clicked" block, followed by a "wait 20 seconds" block, then an "execute" block with x: 120, y: 120, radius: 10.
- Top-right corner:** A "when green flag clicked" block, followed by a "wait 20 seconds" block, then an "execute" block with x: 120, y: 120, radius: 10.
- Bottom-left corner:** A "when green flag clicked" block, followed by a "wait 20 seconds" block, then an "execute" block with x: 120, y: 120, radius: 10.
- Bottom-right corner:** A "when green flag clicked" block, followed by a "wait 20 seconds" block, then an "execute" block with x: 120, y: 120, radius: 10.