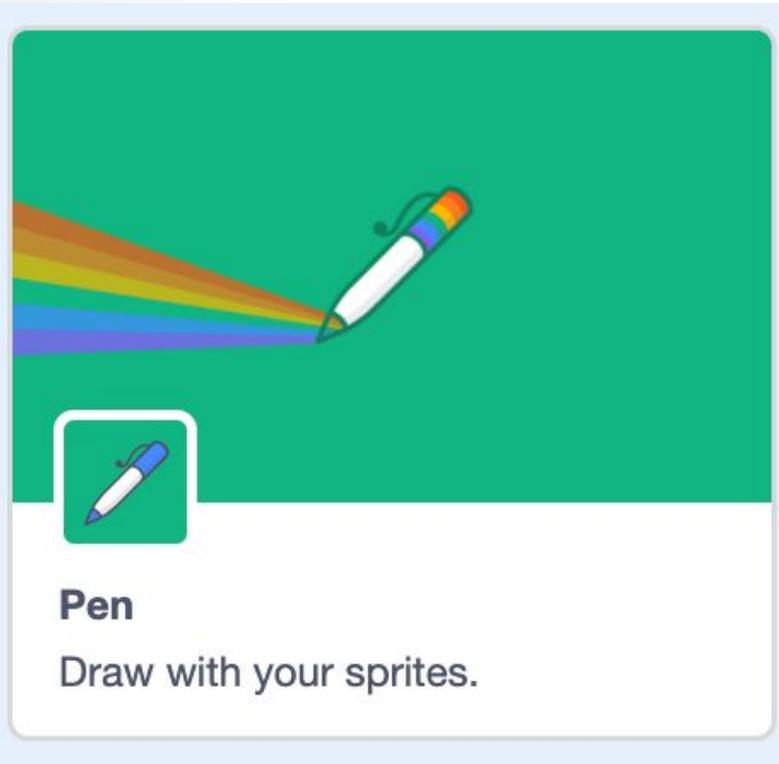


Project 2: **Maze**

Blocks Needed

Pen : Importing

- Get new Pen functions



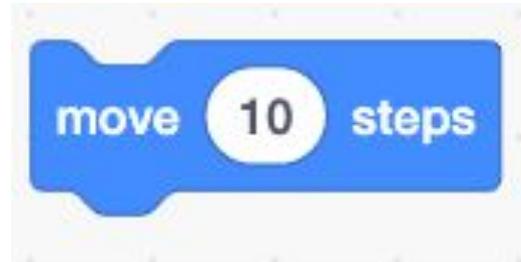
The image shows the Scratch Pen block interface. It features a green background with a white pen icon and a rainbow-colored trail. Below the green area is a white box containing a smaller pen icon, the text "Pen", and the description "Draw with your sprites." The entire block is framed by a light blue border.

- Control
- Sensing
- Operators
- Variables
- My Blocks



Pen : Basic Functions

- Move

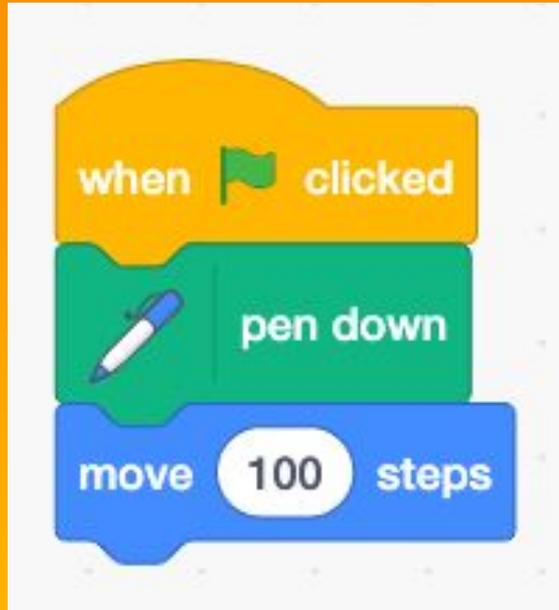


- With pen down



Question:
Can you draw
a line 100
pixels?
(Hint: Steps)

Answer:



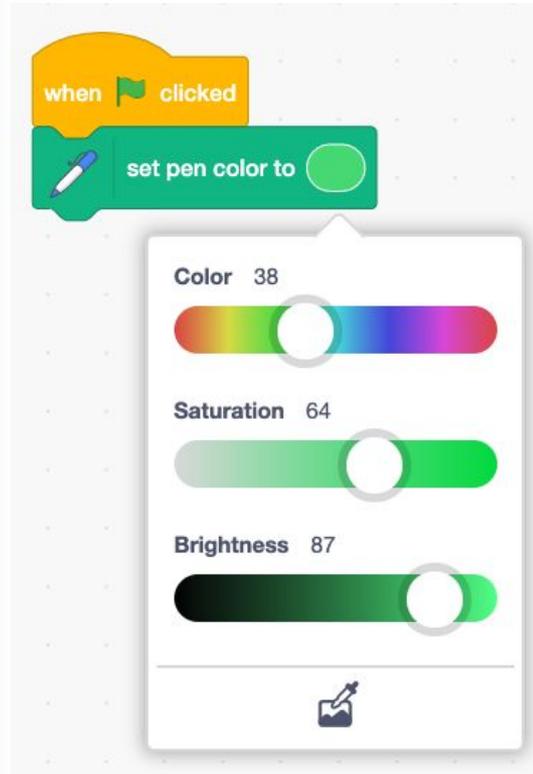
Pen : Clear

- Clear the entire screen!



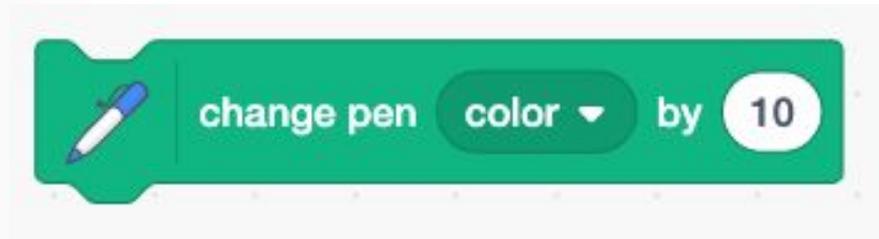
Pen : Color

- Change once



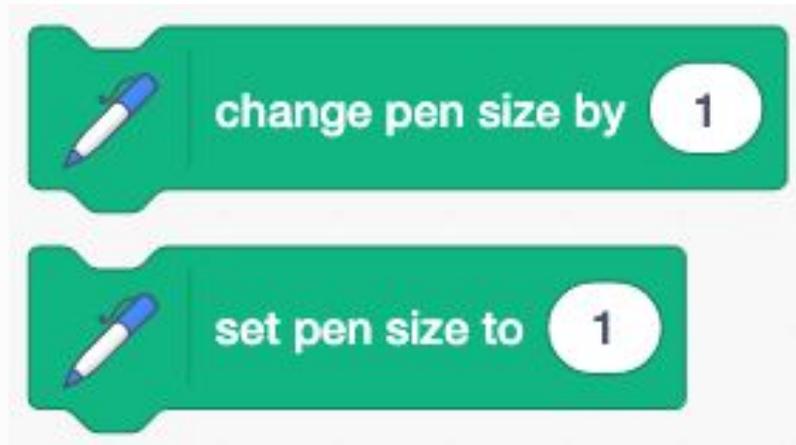
Pen : Color

- Change by 10



Pen : Size

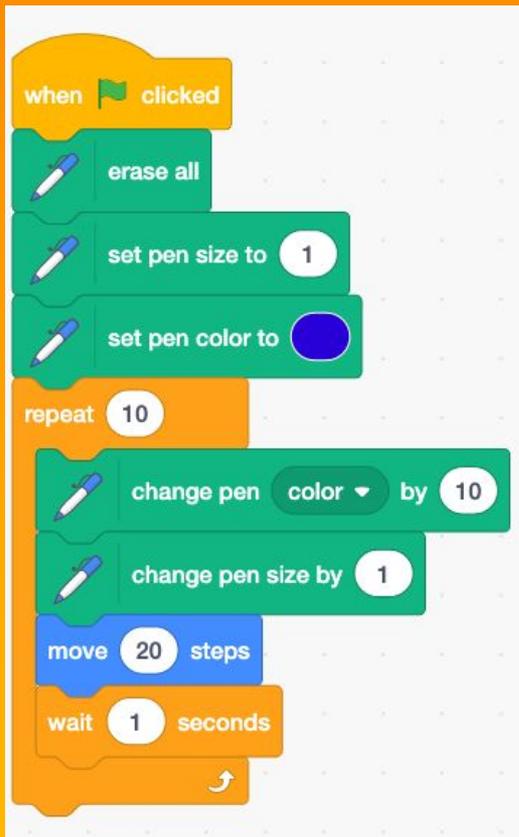
- Changing by amount
- Setting directly



Question:
Can you draw a
line with
increasing size
and color?

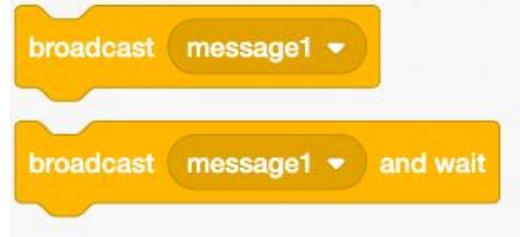


Answer:



Events : Messages

- Send from Location



- Receive from Other Location



Looks : Appearance

- Hide



- Show

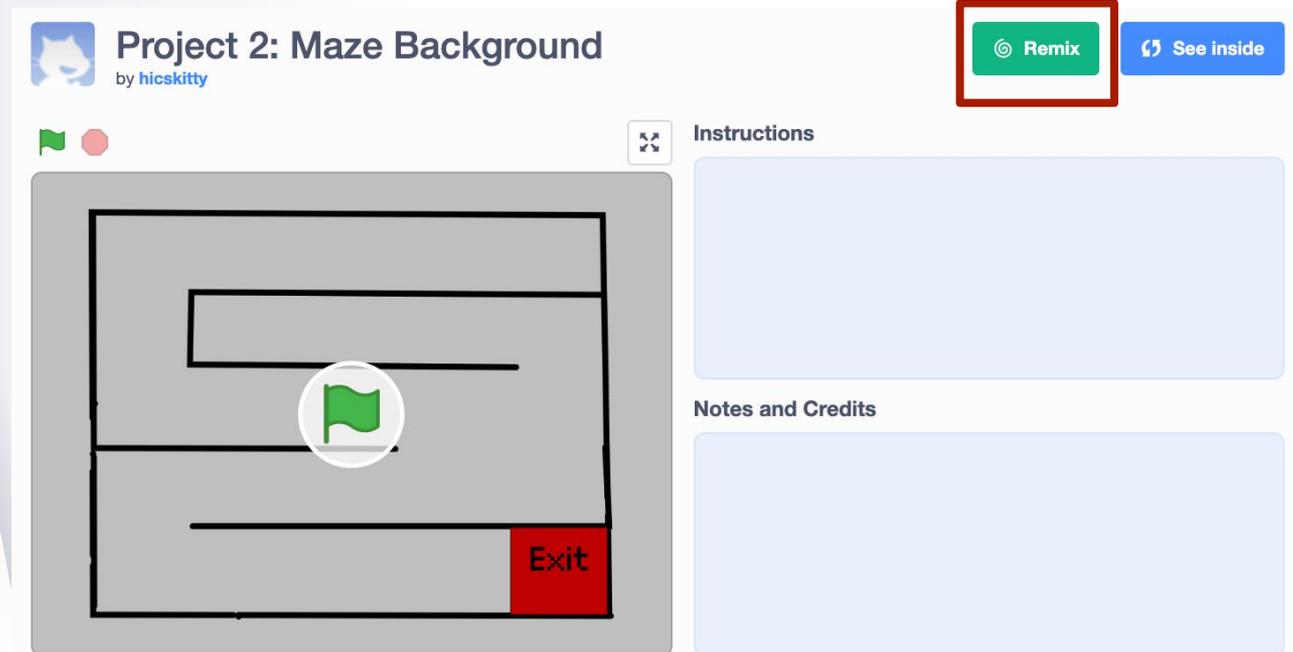


Project 2: **Maze**

Actual Project

Importing Maze

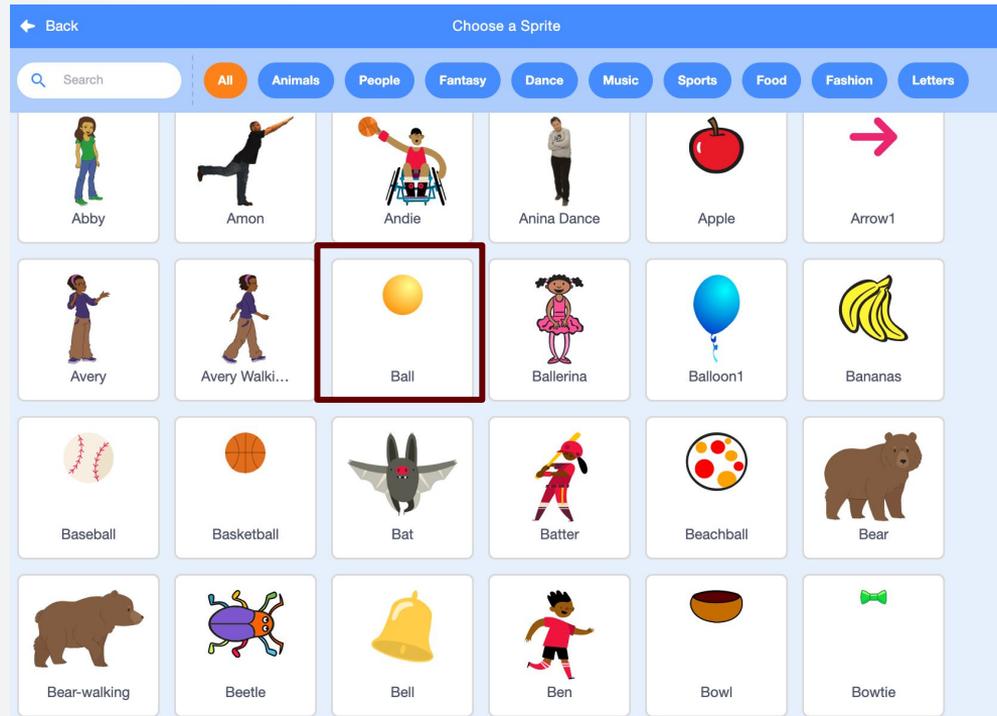
- Remix from hicskitty!
 - <https://scratch.mit.edu/projects/411645835>



The screenshot shows a Scratch project page for "Project 2: Maze Background" by hicskitty. The project is displayed in a window with a grey background. A green flag is positioned in the center of a maze, and a red button labeled "Exit" is located at the bottom right of the maze. To the right of the project window, there are two buttons: a green "Remix" button and a blue "See inside" button. The "Remix" button is highlighted with a red border. Below the project window, there are sections for "Instructions" and "Notes and Credits", both of which are currently empty.

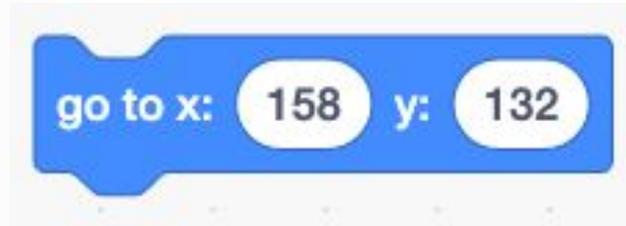
Add Sprite!

- Ball Sprite



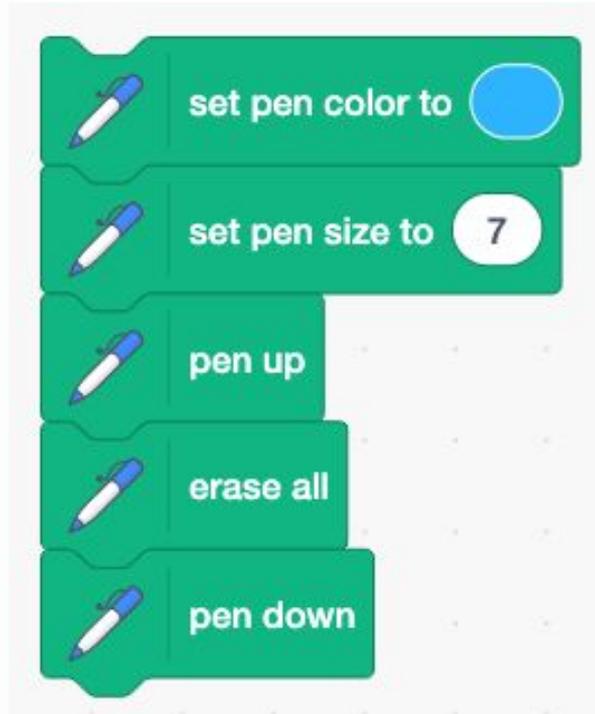
Going to Starting Location

- First Location



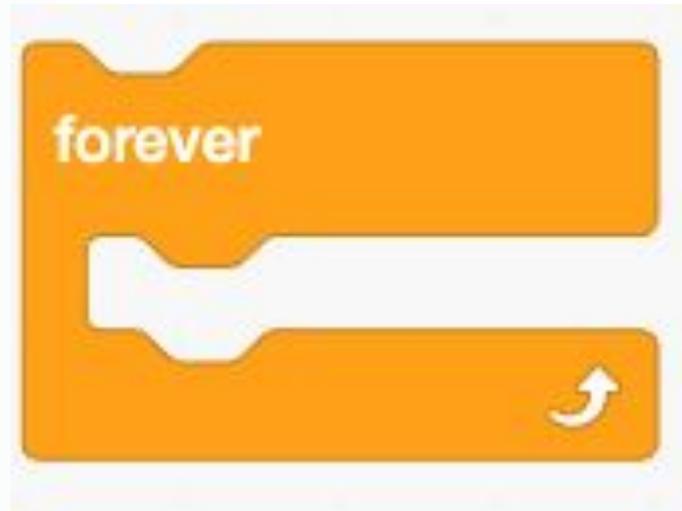
Set Up

- Setting up pen, pen size, resetting



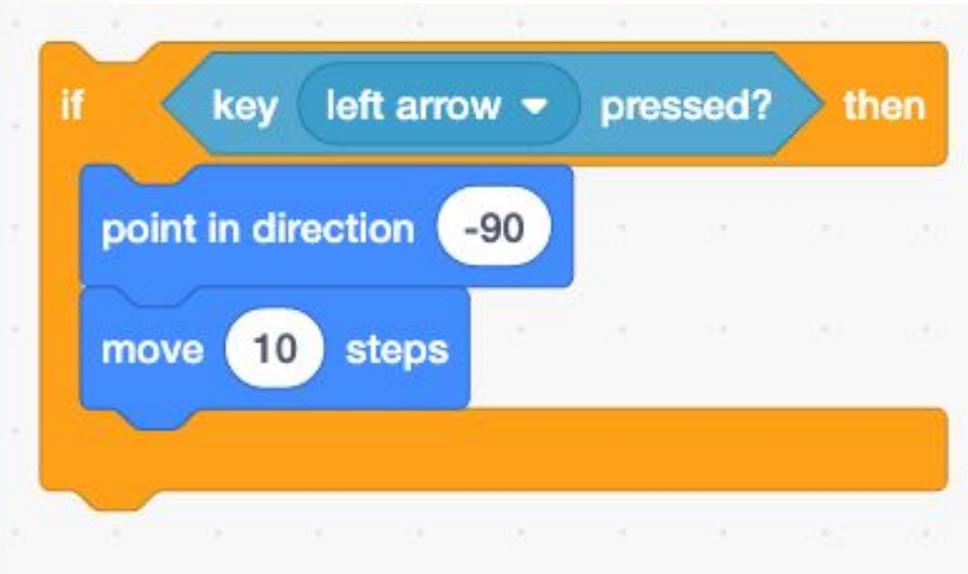
Forever Loop

- All the next code will be inside!



Keys For Moving

- Left



Keys For Moving

- Right



Keys For Moving

- Up



Keys For Moving

- Down



Break:
Try Playing
Around!

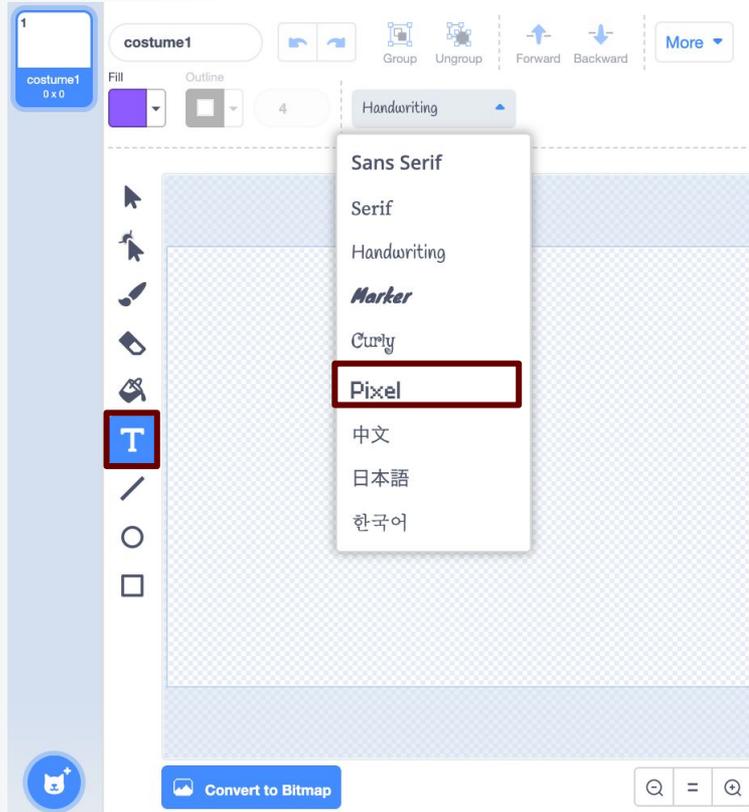
Broadcasting: Winning

- From ball



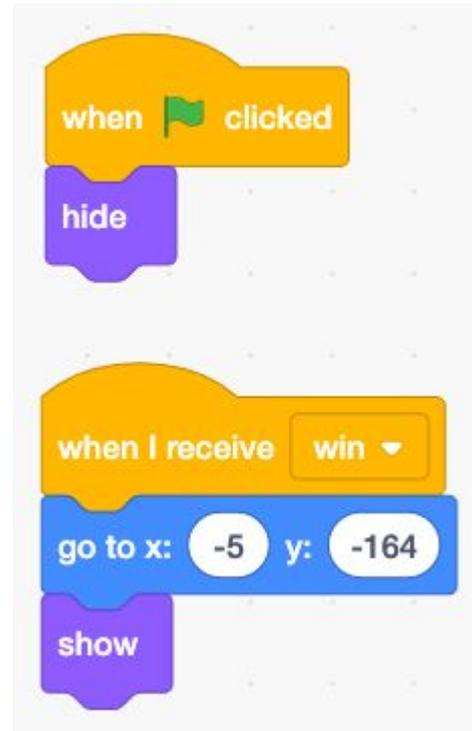
Add Sprite!

- Paint → “You Win” Text



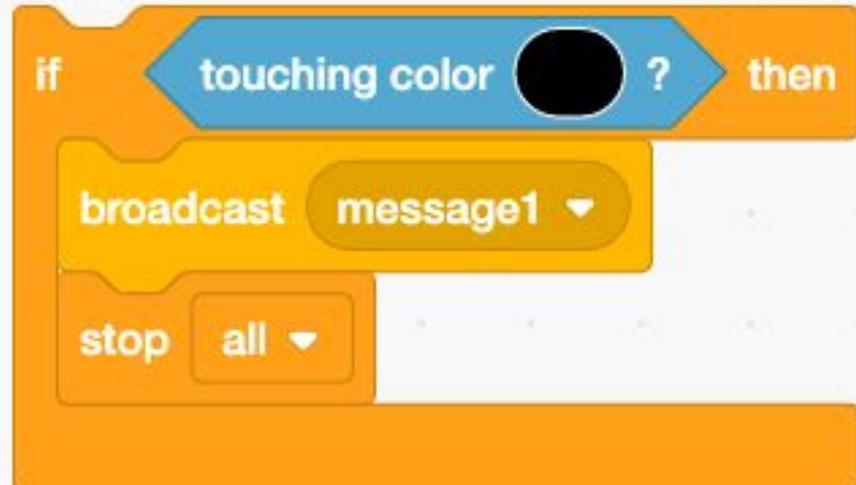
Code for “You Win”

- Hide, Get Messages



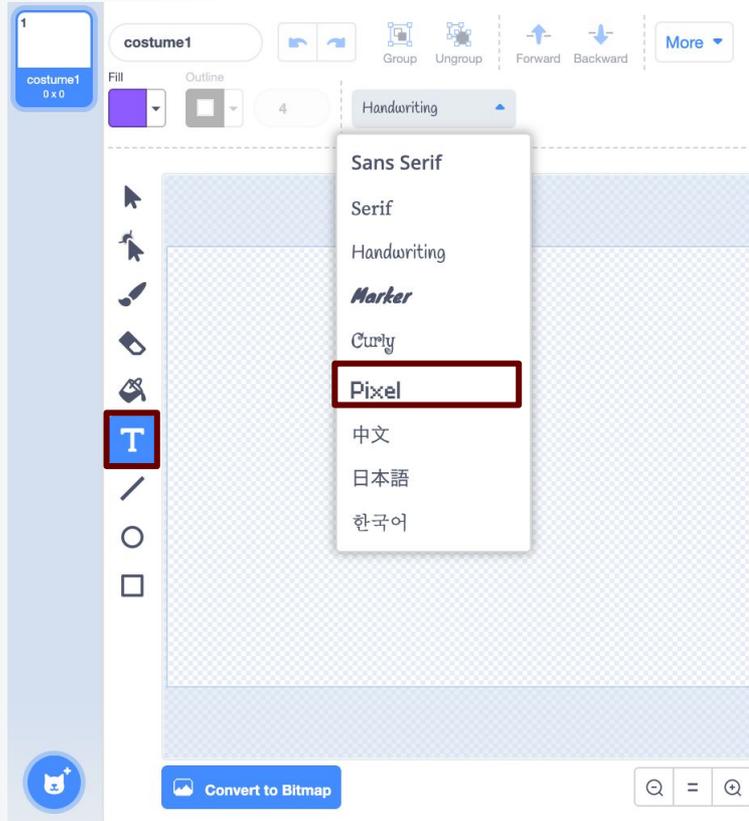
Broadcasting : Losing

- From ball



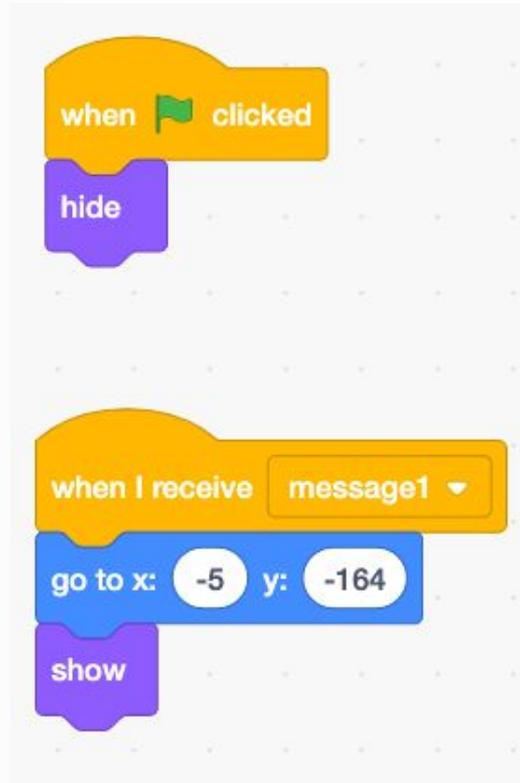
Add Sprite!

- Paint → “You Lose” Text



Code for “You Lose”

- Hide, Get Messages



**Time
to Play!**