

Flip Your Friend's Coin!

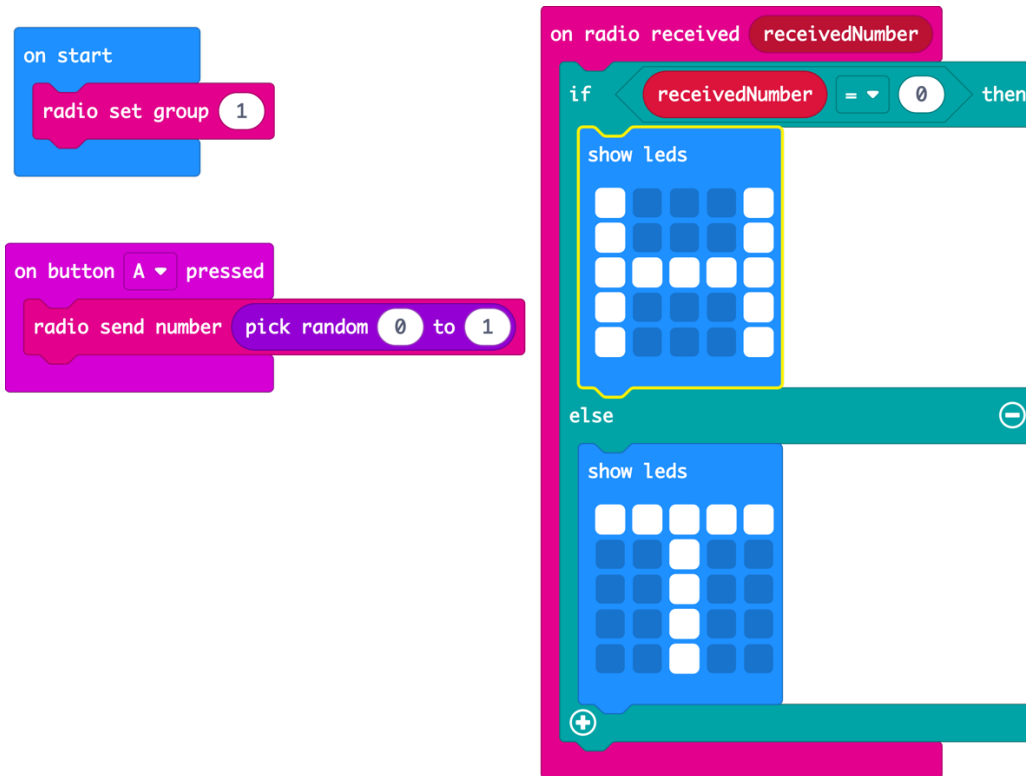
Goal

Write a program that flips a coin and displays the result on a friend's micro:bit.

MakeCode Program

Create a new project in MakeCode, give it a name such as *coin flip*.

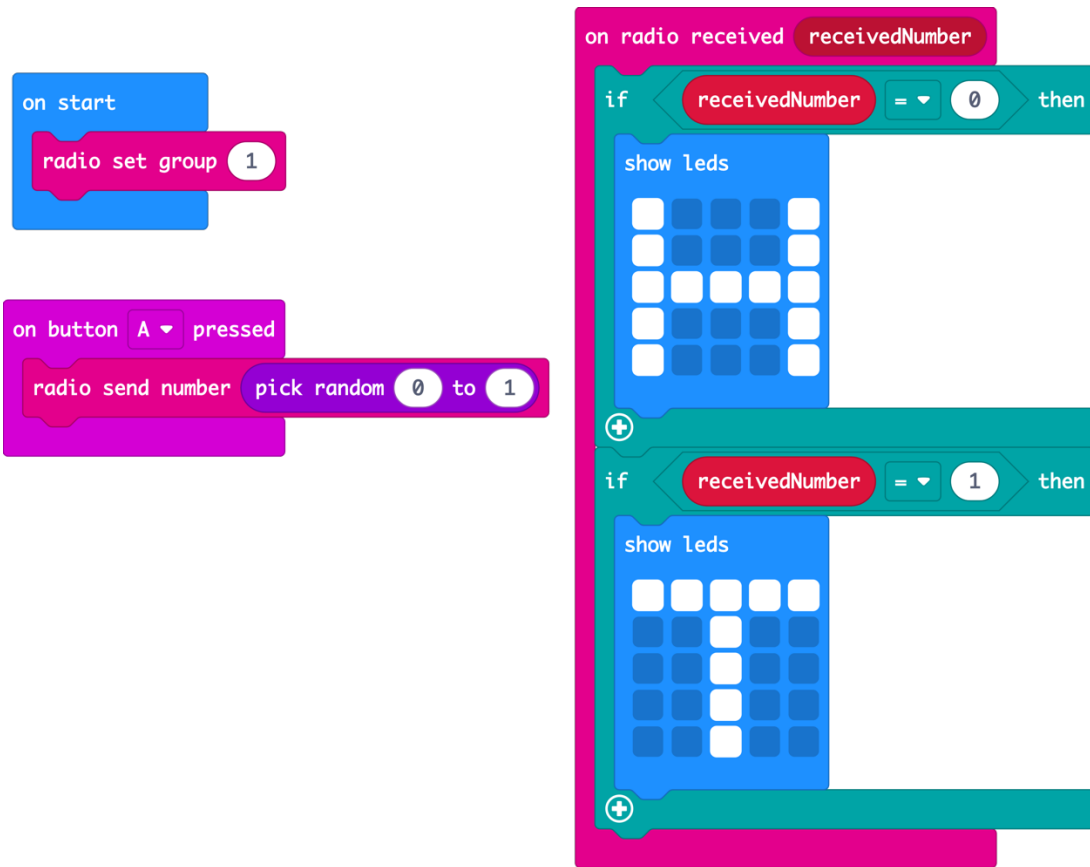
The program should look like this.



Understanding the code

- Set your “channel” to the number agreed upon with your friend in the `on start` block
- When the A button is pressed broadcast a random number between 0 and 1 with the `radio send number` and `pick random` blocks.
- Create an `on radio received receivednumber` block in which you check the random number received and using `IF` statements displays a head or tails.
- Pair up and try the program with a partner and their micro:bit
- Debug as necessary.
- Your icons can surely be better or prettier than mine. They don't look like a coin!

How is this program different from the version above?



Challenge

Instead of flipping a coin, choose a random number, send it to another micro:bit, and have the second micro:bit look like a die was rolled.

What is the range of random numbers you should use?

How many IF statements will you need in the “listening” block?