

Spreading

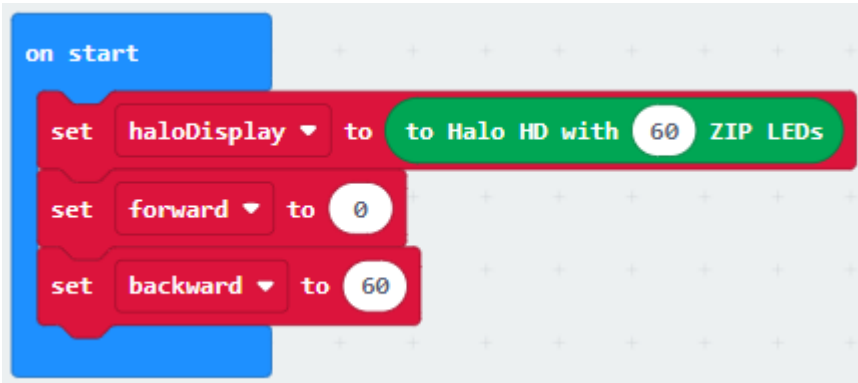
Spreading demo: <https://youtu.be/7DT4-Zfpum8>

Go to: <https://makecode.microbit.org/>

Make sure that you have added the Kitronik Halo LED extension (instructions are in Rainbow Rotate).

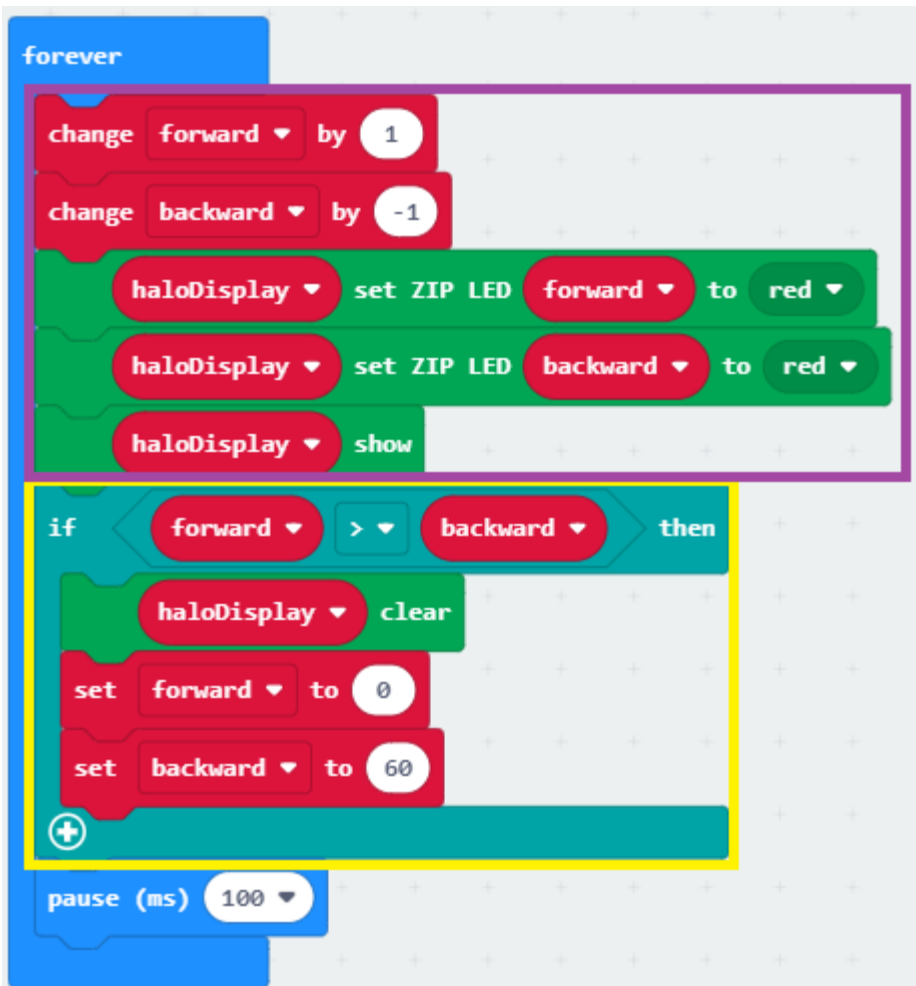
Make two variables – forward and backward.

Start off the variables at the 0 and 60.



```
on start
  set haloDisplay to to Halo HD with 60 ZIP LEDs
  set forward to 0
  set backward to 60
```

In the forever loop, move the lights out one space and show it.



```
forever
  change forward by 1
  change backward by -1
  haloDisplay set ZIP LED forward to red
  haloDisplay set ZIP LED backward to red
  haloDisplay show
  if forward > backward then
    haloDisplay clear
    set forward to 0
    set backward to 60
  pause (ms) 100
```

Purple Section

Move the variables for forward and backward.

Show the new LEDs on the screen.

Yellow Section

If they are done, clear the screen, reset the variables.

In all cases, pause.

