Text

Description automatically generated with low confidence

**Turning**

https://makecode.microbit.org

A close-up of a computer chip

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Turning on the spot can be achieved by spinning the wheels in opposite directions at the same speed.

Look at the sequence of images to the left. The left motor is running forwards, while the right motor is running backwards.

This makes the robot turn clockwise.

A picture containing indoor, electronics

Description automatically generated

But How do we know when to finish turning?

Look at the sequence of the blue LEDS that show the status of the left & right line sensors.

They start at 0,1, then 1,1, then 1,0.

(They might also have started at 1,0 or 1,1)

A picture containing text, wall, indoor, electronics

Description automatically generatedThe steps are:

1) turn while left=0 **OR** right=0

2) keep turning while left=1 **AND** right=1

After step 2 it has found the line again and can continue.

*The code for this is over the page.*

*Graphical user interface, application

Description automatically generatedA picture containing timeline

Description automatically generated*The drive function is as before.