Text

Description automatically generated with low confidence**Radio Relay Race**

https://makecode.microbit.org

In a relay race, the person behind must pass on the baton to the next runner.

We will add micro:bit radio to the line-following robot.

When it detects a robot in front, it sends a “go” message.

Graphical user interface, text, application, chat or text message

Description automatically generatedUse **Radio set group**, to set the group to 1.

This is done once, at the start.

Add a variable that keeps the robot **stopped** once it has detected something with its ultrasonic sensor. This is initially **false**.

A screenshot of a computer

Description automatically generated with medium confidence**Radio** includes send and receive blocks. You should already have a **drive** function.

When it first detects something, it stops and sets **stopped** to **true**. This keeps it stopped even when the obstacle goes away.

It also sends a “go” message, to pass on the relay.

Graphical user interface, application

Description automatically generatedReceiving the “go” message is the signal to start moving again.

It clears the stopped variable (sets it to **false**).

*This works best for two robots, but what happens if we have three or more?*