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.*

* Add micro:bit radio to the line-following robot.
* When it detects a robot in front, it sends a “go” message.

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

   Description automatically generatedUse **Radio set group**, setting it to 1.

This is done once, at the start.

1. Add a variable that keeps the robot **stopped** once it has detected something with its ultrasonic sensor. It’s 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.

1. When it detects something, stop and set **stopped** to **true**. This keeps it stopped even when the obstacle goes away. Also send a “go” message, to pass on the relay.
2. Graphical user interface, application

   Description automatically generatedReceiving the “go” message is the signal to start moving again.
3. Clear the stopped variable (set it to **false**).

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