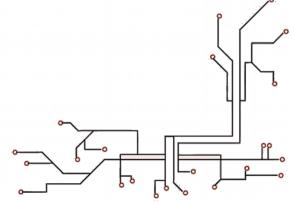
Synchronized Traffic Lights

- Running Out of Pins
- Radio Control
- Synchronizing Lights

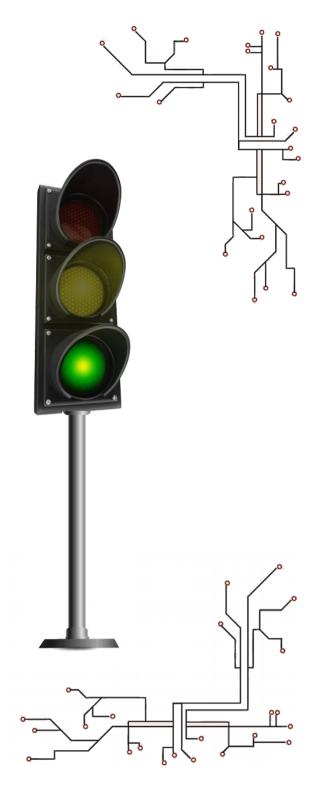






Single Traffic Light

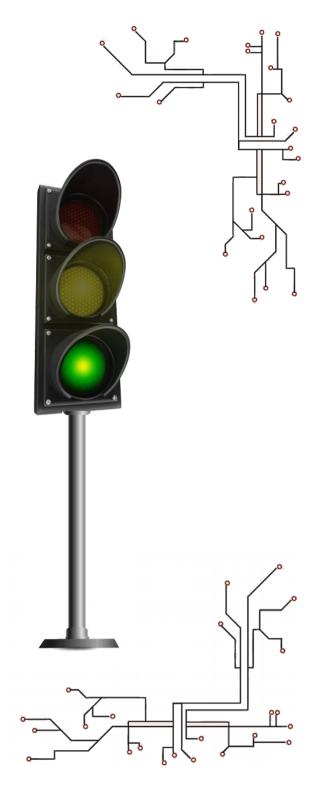
- **Red** STOP (10 sec)
- **Green** GO (10 sec)
- Yellow SLOW DOWN (3 sec)
- Back to Red...



Crossing Traffic Light

- **Red** STOP (10 sec)
 - Crossing: Show Walking Man
- **Green** GO (10 sec)
 - Crossing: Show Standing Man
- Yellow SLOW DOWN (3 sec)
 - Crossing: Still Red Standing Man
- Back to Red...

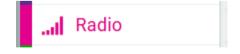


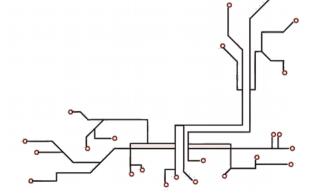


Running Out of *Pins*

 We will need to use multiple micro:bits to control a more complicated traffic crossing

 We can synchronize their behaviors through Radio functions

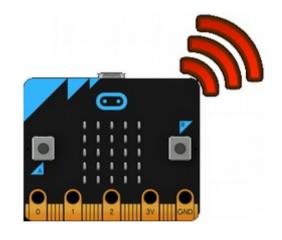






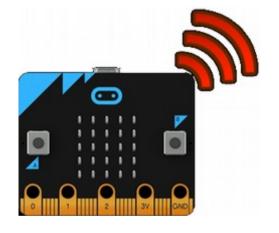
Radio

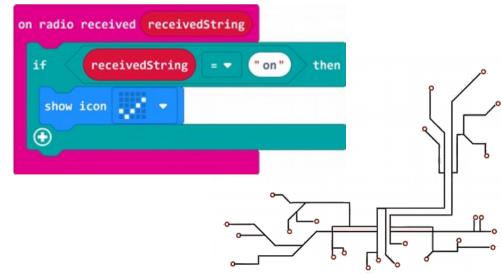
• Test Simple Walkie Talkie



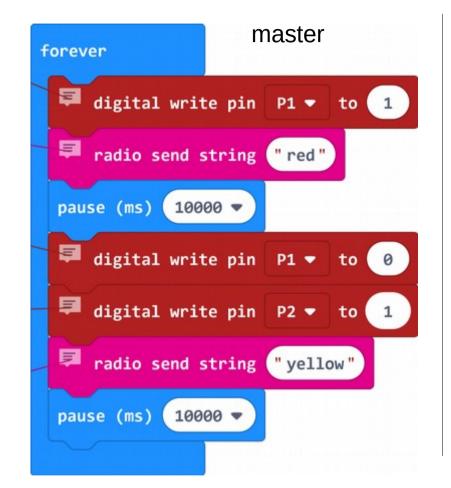


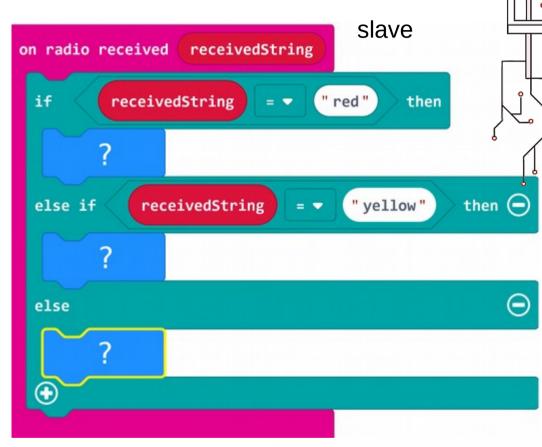






Synchronizing Lights





PARTIAL ANSWER – Fill In Missing Bits:

- · Green Light...
- Always need to shut 2 lights, turn 1 on
- Correct pedestrian icon for each case



