Today's Topics

- **ROBOLAB**
  - Control structures
  - Data & containers
- Line following
- Getting unstuck
Questions

- For each of the following, describe what the sequence of ROBOLAB commands should do?
Control structures

- **Forks**

- **Loops**

- **Tasks**
Sharing resources

- **Sensors**

- **Motors**

Both tasks are trying to control Motor A!
Line following 1

- **Setup**
  - Start on right side of line
  - Use Loops and Wait Fors

- **Program**
  Repeat
  - Pivot left until dark
  - Pivot right until light

- **Problems?**
Line following 2

● **Setup**
  ➢ Start on right side of line
  ➢ Use Loops and forks

● **Program**
  Repeat
    If light, pivot left
    If dark, pivot right

● **Problems?**
Line following 3

- **Setup**
  - 2 light sensors
  - Start straddling line
  - Use Loops and Forks

- **Program?**
Problem

- Getting stuck in a corner
- How to detect a corner and get out?