

PIPELINE EXPLORER

Warehouse Challenge

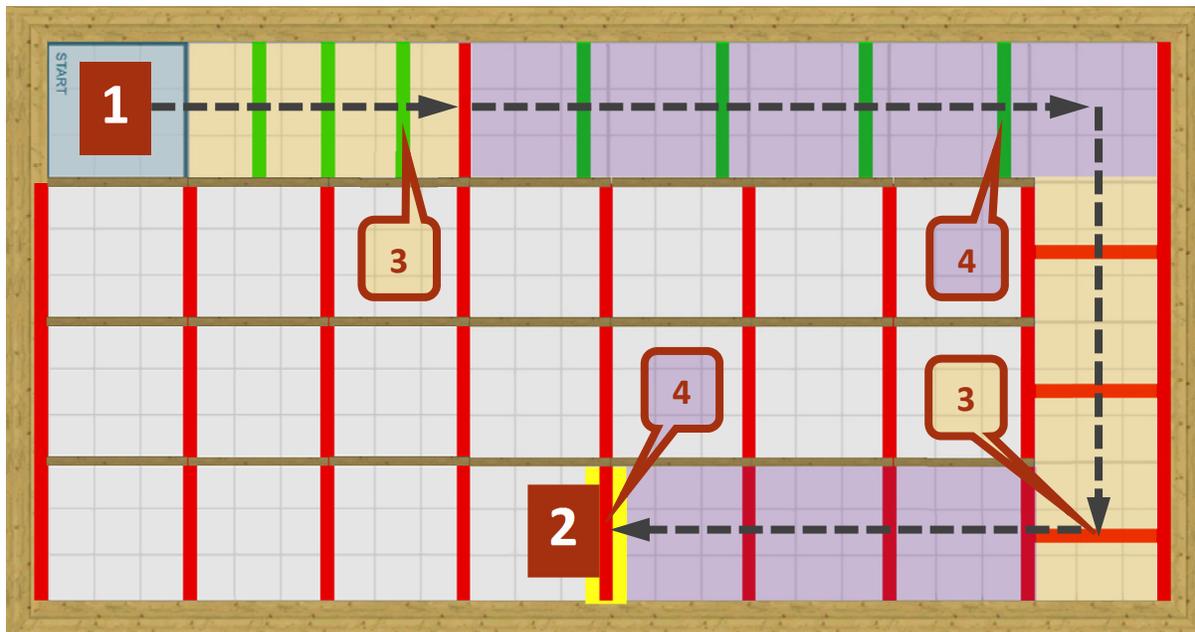
Challenge Description

The robot must be able to navigate through the warehouse by counting lines. By using the line as markers, the robot should be able to avoid the obstacles in the warehouse. The robot will first count a series of lines and store the value. The robot will next count another series of lines and also store those values. The first value that the robot has stored will tell the robot how many lines to travel after it makes its first 90 degree right turn. After it travels those lines, the robot should make another 90 degree right turn. To determine how many lines the robot should then travel forward, the robot should refer to the second value it stored.

Materials Needed

- Black electrical tape
- Ruler (or straight edge)
- Scissors (or cutting tool)
- Books or some other tall objects to serve as “obstacles”

Board Specifications



1 Robot must begin here

2 Robot should end here