Endurance Algorithm

1. Start robot
2. Align so it will move along allotted path
3. Change light to green
4. Have the robot say “Ready, Set, Go!”
5. Have the robot move at a speed of 40 for 15.6 seconds
6. Turn 90 degrees and roll at a speed of 38 for 9 seconds
7. Turn another 90 degrees and roll at a speed of 40 for 15.6 seconds
8. Turn a final 90 degrees and roll at a speed of 38 for 9 seconds
9. Stop
10. Change LED light to red
11. Have the robot say “I’m done and I need water”
12. Exit the program