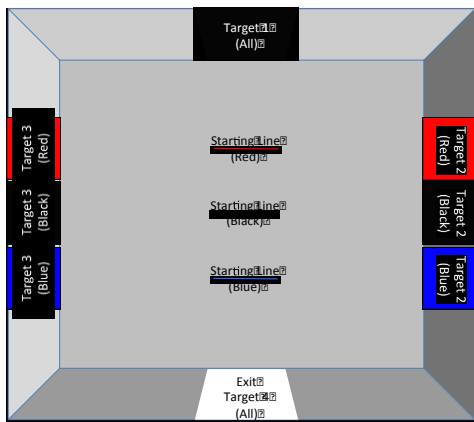


Challenge: The Box

75 points (25-point bonus)

Remote control may NOT be used



This competition features a four sided, enclosed box, with one opening as the robot exit. The challenge is for the robot use "whiskers" to "feel" around the box and exit through the exit opening.

Robots are placed at one of the three start points. The starting points are marked in three different colors: black, red, and blue. You will be told ahead of time where you will start. All robots must proceed straight ahead and touch the black box on

the wall first. Then the robots should touch each of the boxes on the sides (left and right) that are marked in the same color as their starting point, using the "whiskers". Finally, the robot should exit through the opening. Color sensors may be used.

For this challenge, points are awarded for four tasks:

1. The robot touches the black box using whisker sensors to detect the wall. (25 points)
2. The robot touches one of the side boxes with the same color as the start point. This box is located directly to the right or left (your choice) of the starting line. (15 points)
3. The robot touches the other side box with the same color as the start. (15 points)
4. The robot leaves the maze through the opening. (20 points)

Bonus: The team with the fastest time completing ALL tasks successfully is awarded 25 bonus points.