



ROBOTICS CHALLENGE

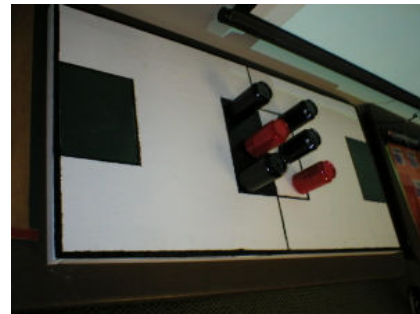
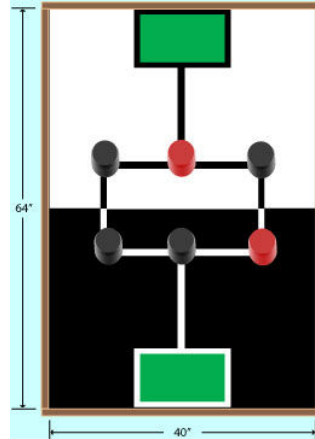
Challenge Description

“Woots and Snarks”

The objective of the contest is to move as many Woots (black objects) into your base while removing all Snarks (red objects) from your area to your opponents.

Specifications

- Challenge starts with robots in the home position.
 1. Robots must be made with LEGO Mindstorms Robotics Invention System and be programmed with the RIS 2.0 or Robolab programming environments.
 2. Robots can consist of a maximum 1 RCX, 8 Wires, and 3 motors.
 3. Robots can only be touched in base for the purposes of repositioning and changing programs.
 4. Players cannot touch Woots or Snarks anywhere on the game board, including your base, during the round.
 5. Nothing can be added or removed from the robot during a round.
 6. Snarks are placed by the judge randomly in any of the six positions with one Snark on each side prior to starting the round.
 7. If the two opponents become caught on one another the round will be paused while opponents are returned to their base before continuing the remainder of the round.
 8. A round is 3 minutes long.
 9. Players may attempt to use mail to disrupt their opponent, including malicious code.



Scoring

Maximum 480 point challenge

80 points for each of 4 black barrels returned to your base in 3 minutes.

80 points for each of 2 red barrels placed in your opponent's base in 3 minutes.

No points for red barrels in your own base.

Some of the Disqualifications: touch a woot or snark, add or remove anything from a robot (you may change programs on the field, though)

-10 points each time robot falls off the playing area

Up to 50 points will be deducted from the total score for the total amount of damage sustained by the robot, as determined by the judge.