Sprint 3 Algorithm

Joseph Colonna

1. Start in the square.
2. Robot rolls 90 degrees at 10 speed for 6 seconds before it encounters the first object. If completed/avoided move to step 3. If not return to step 1.
3. Robot rolls 24 degrees at 10 speed for 2 seconds.
4. Robot rolls 90 degrees at 10 speed for 3 seconds before it encounters the second object. If completed/avoided move to step 5. If not return to step 1.
5. Robot rolls 63 degrees at 10 speed for 4 seconds.
6. Robot rolls 90 degrees at 10 speed for 3.5 seconds before it encounters the third object. If completed/avoided move to step 7. If not return to step 1.
7. Robot rolls 180 degrees at 60 speed for 5 seconds
8. Robot rolls over the ramp.
9. Robot continues rolling forward into the pins
10. Robot stops.