**ENGR 4020 Milestone 4 Homework[[1]](#footnote-1) [25 pts]**

**Due by 3/20/2020**

Write and submit a flowchart that you believe will execute the following program:

Cubes will be organized in alternating color patterns in the object collection area. The robot must acquire at least one of each color cube and correctly recognize their colors, sorting the objects in different diretions. The robot should also collect and correctly sort the bonus ball.

Your robot can be placed near the objects but must collect the objects under its own power.

1. Adapted from ENGR 450: Mechatronics by Matthew Stein, Roger Williams University [↑](#footnote-ref-1)