Proposals for Rodrigo’s Culminating Task

By Snehan

1. There are several small boxes sitting in a row on a table. All of them are coloured white, except for one, which is coloured black. The task for the robot is to push the black box (not the white box) into a bag hanging off the edge of the table. A light sensor, an ultrasonic sensor, and possible a touch sensor would be used (the touch sensor could be in contact with the block being pushed. It would detect when the block is pushed over the table, signaling the robot to go back so that it doesn’t fall of the table).
2. There are several small boxes sitting in a row on the ground. Half of them are coloured white, and the rest are coloured black. The task for the robot is to organize the blocks by their colour by separating them into two groups. A light sensor and an ultrasonic sensor would be used.