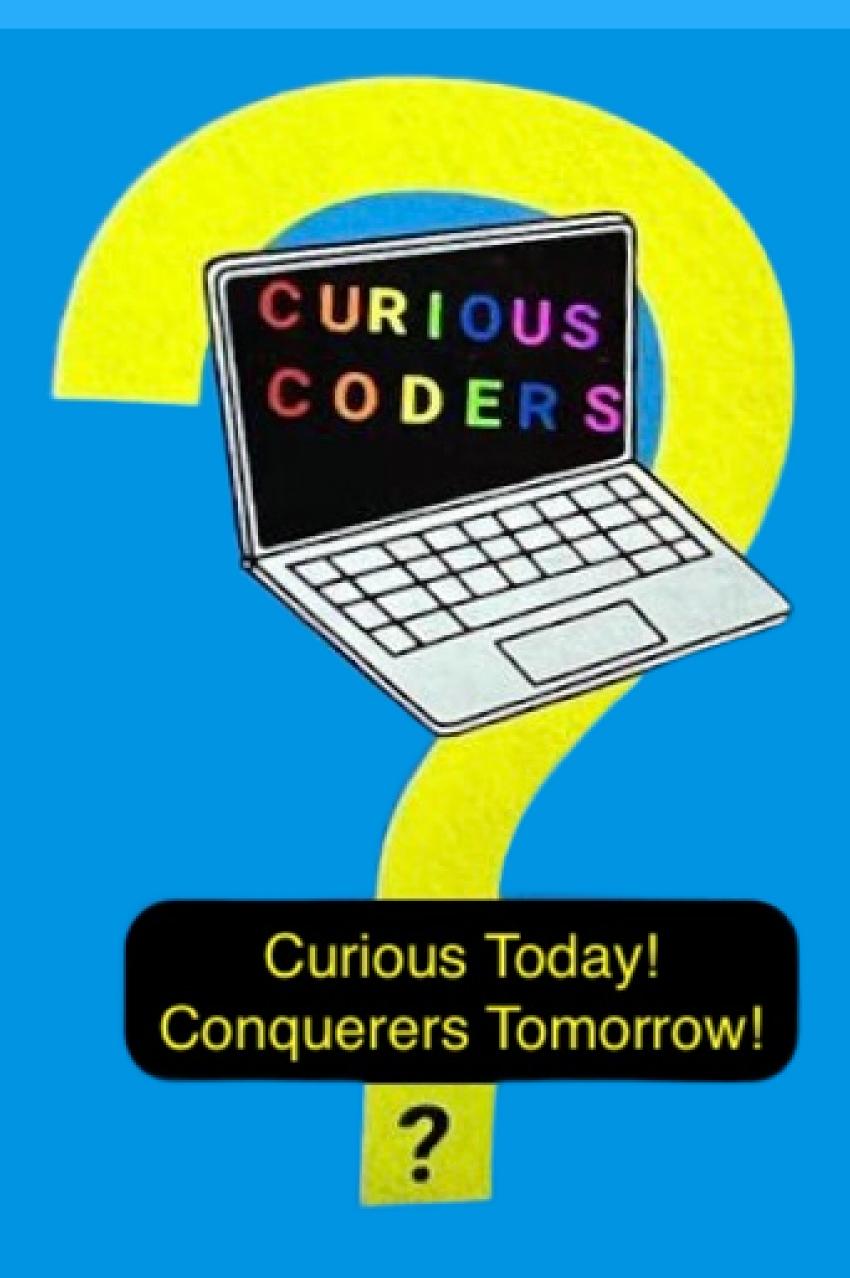
Curious Coders

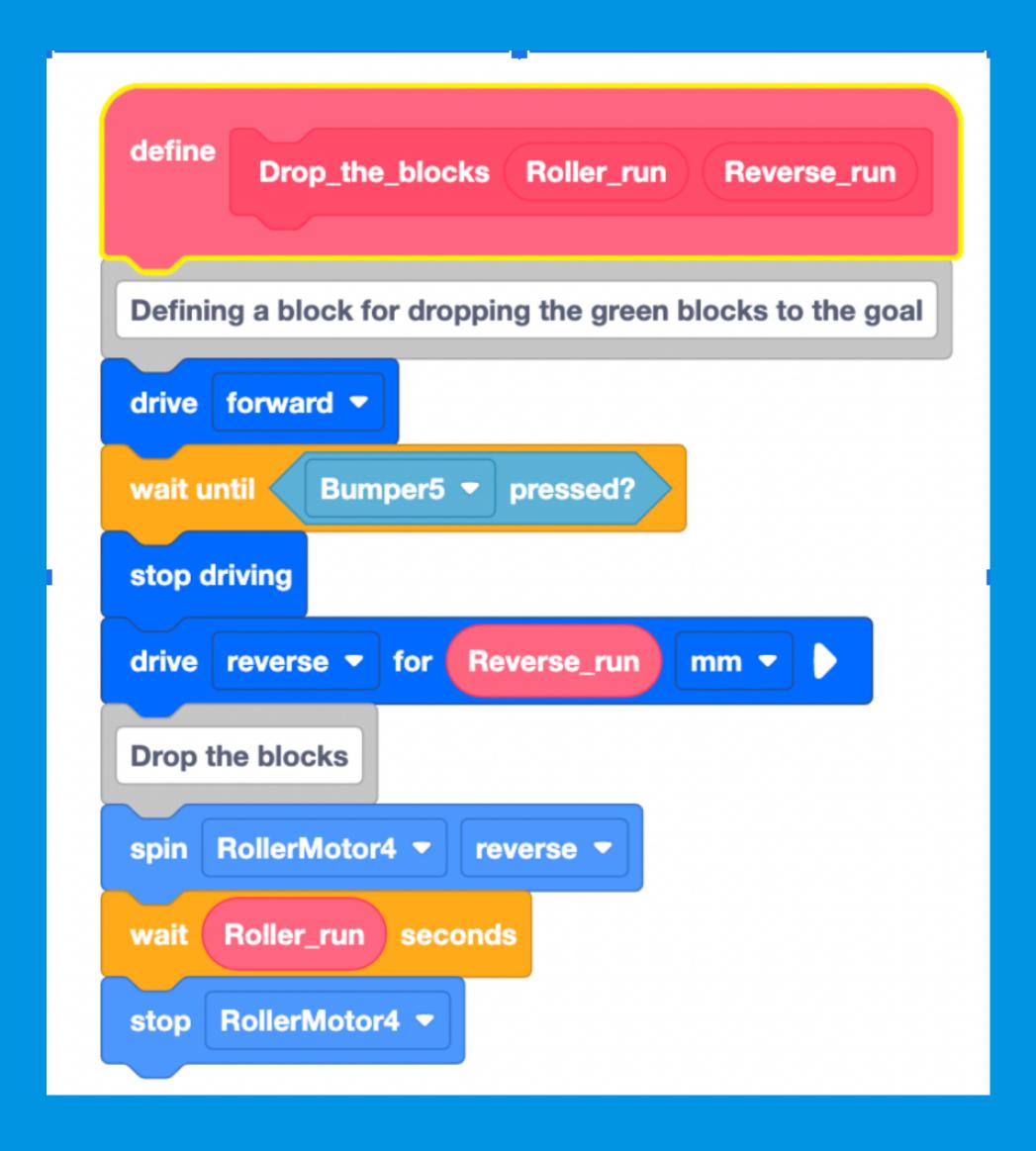
Team #46000A



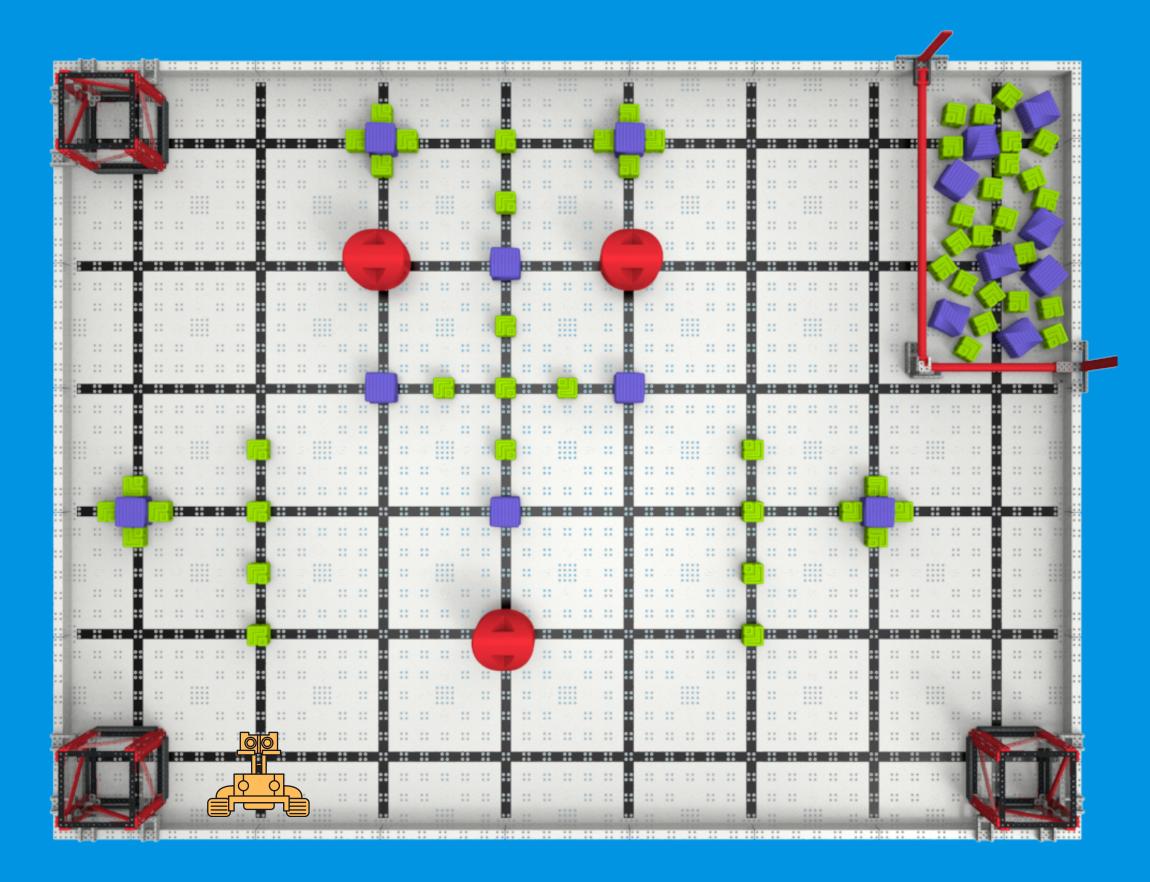
2023-2024 VEXIQ Robotics
ES VEXcode VR Skills Challenge Document

Mila Dayalu Veda Pruvenna

Shanaya Karamchandani Svarsa Kovvur

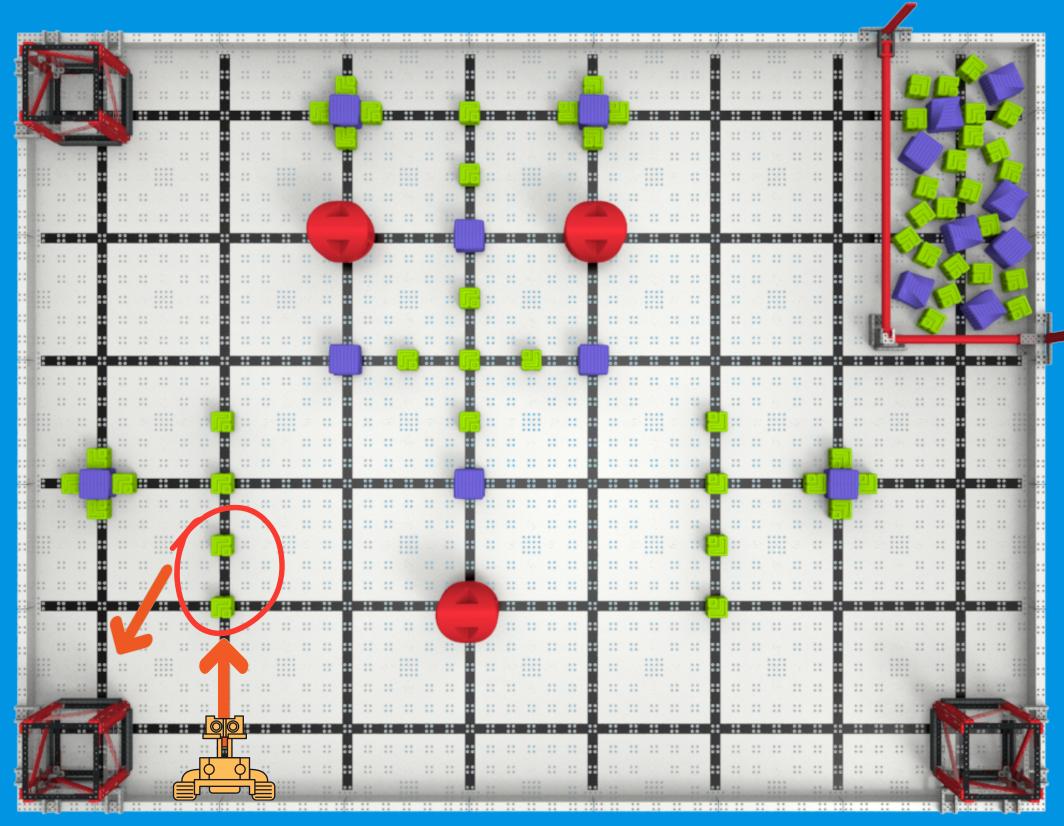


No movement on the field



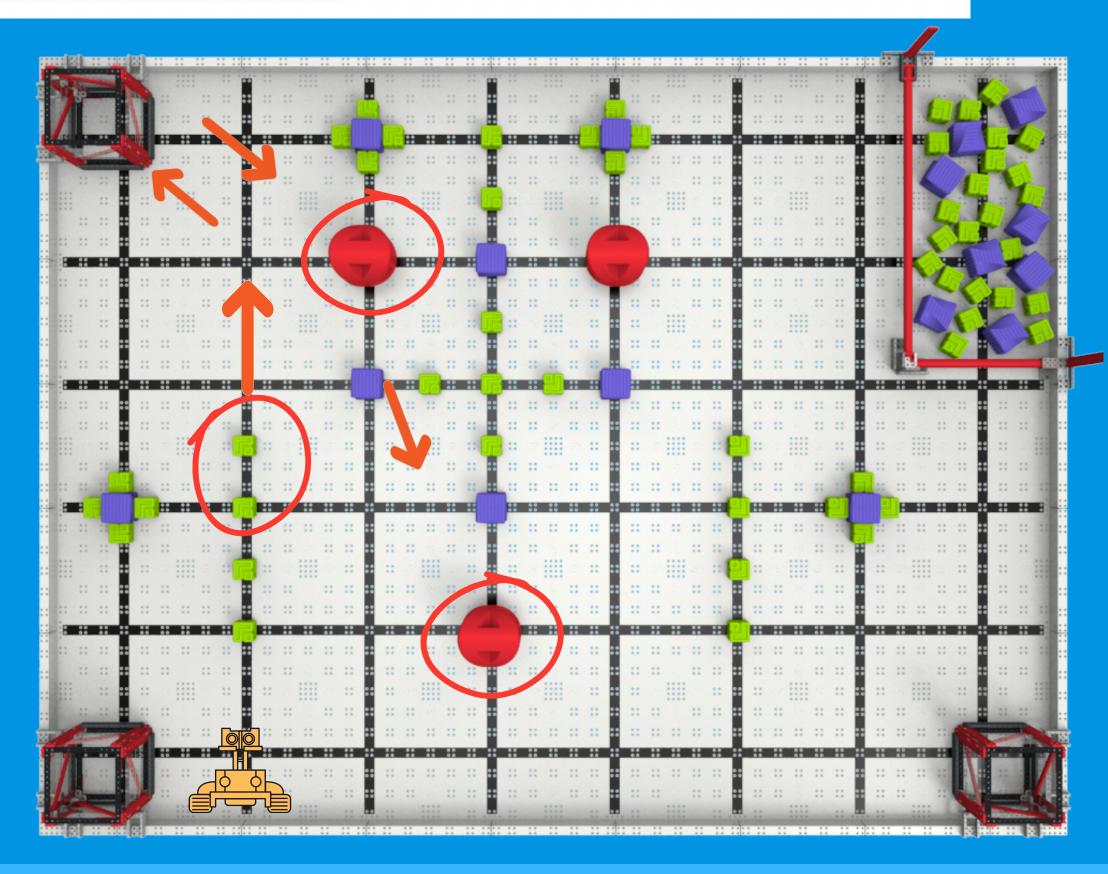


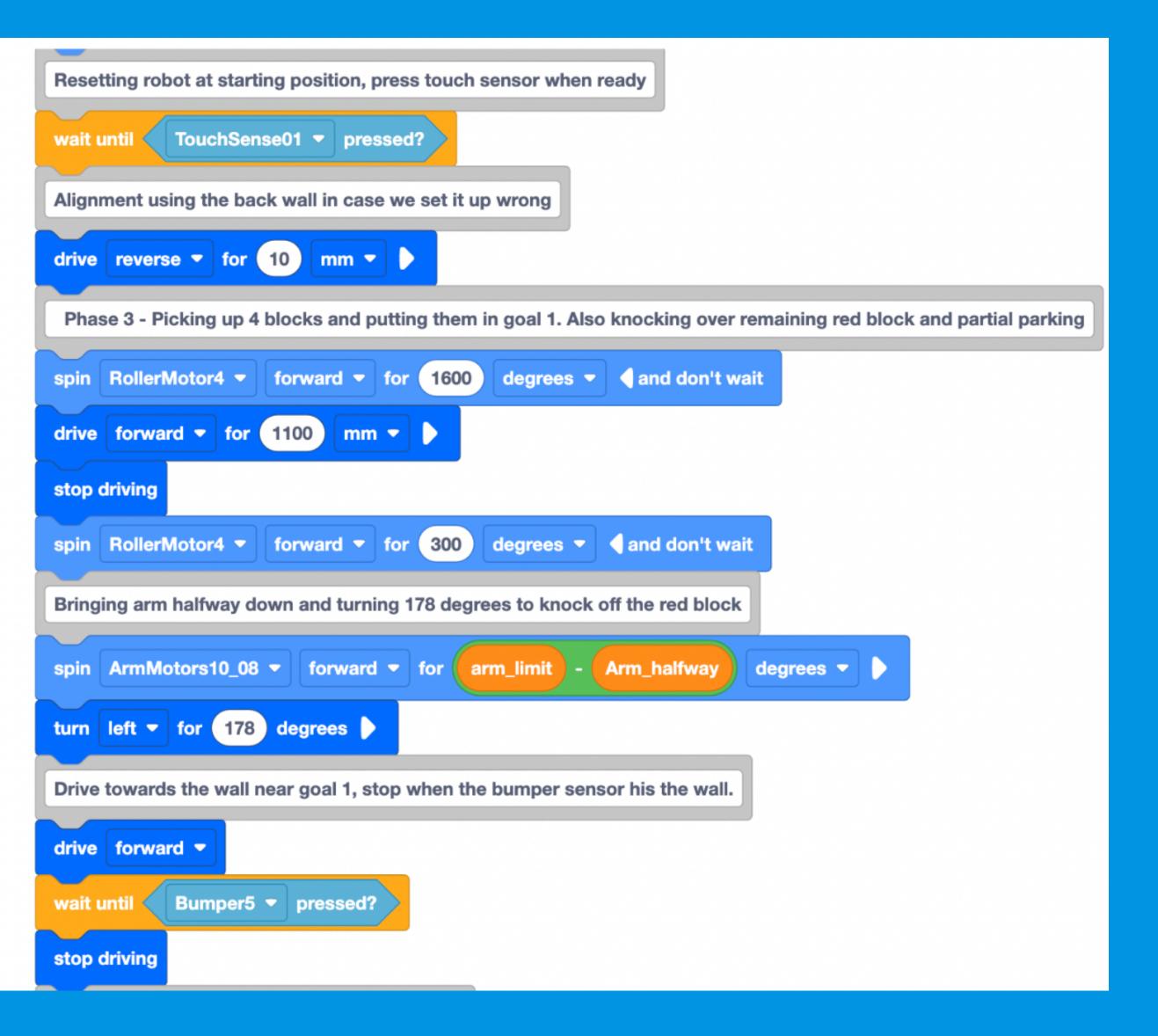
Phase 1



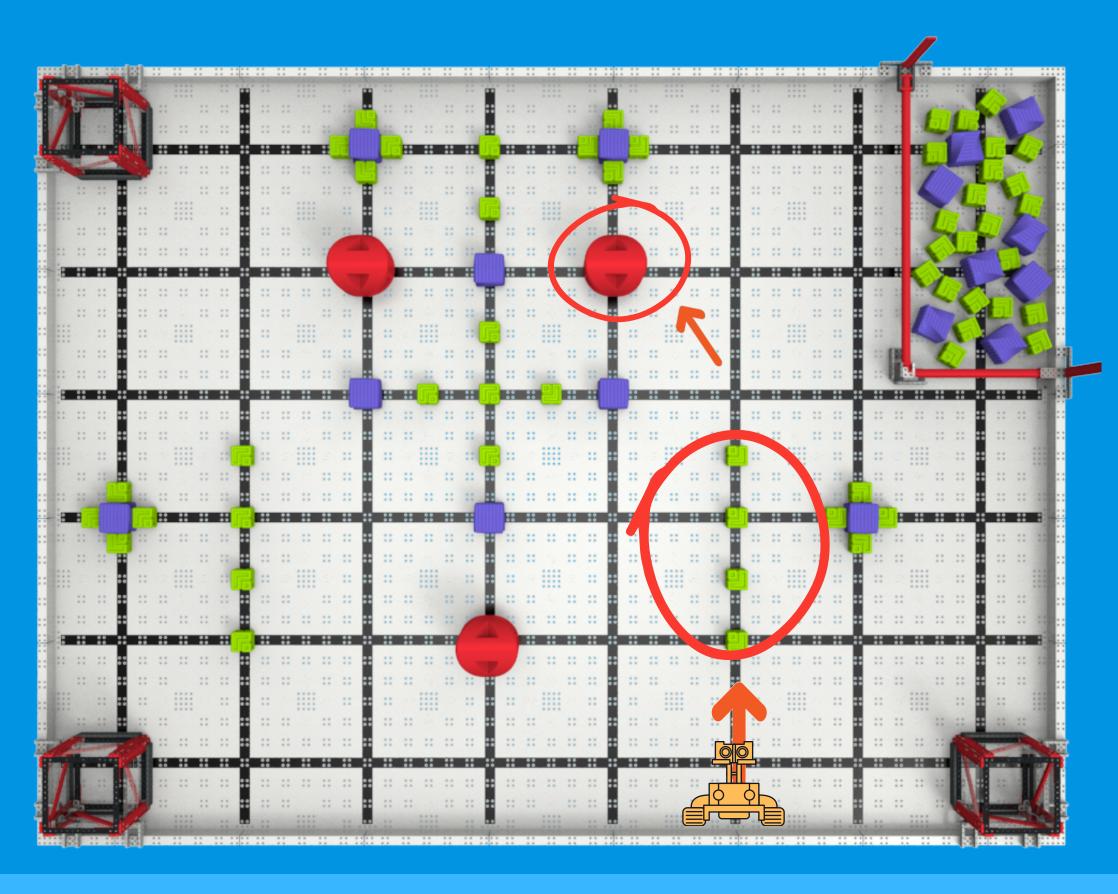
```
Resetting robot at starting position, press touch sensor when ready
           TouchSense01 ▼ pressed?
Alignment using the back wall in case we set it up wrong
drive reverse ▼ for (10)
                          mm 🔻 🕨
 Phase 2 - Picking remaining 2 blocks and putting them in goal 3. Minimum required to get uniform bonus of 10 pts. Also knocking over 2 red blocks
spin RollerMotor4 ▼
                     forward ▼ for (1400)
                                            drive forward ▼ for (1160)
                            mm 🔻
turn left ▼ for 33 degrees
spin ArmMotors10_08 ▼
                         forward ▼ for arm_limit
                                                    degrees ▼
Drive until bumper sensor in the front of the robot hits the goal. This is the position from where you can drop the blocks in the goal
Drop_the_blocks 1.5
Backing up from goal
drive reverse ▼ for 300
                           mm 🔻
turn left ▼ for (20) degrees
drive reverse ▼ for (150)
                           mm 🔻
Bringing arm halfway down and turning 220 degrees to knock off the red block
spin ArmMotors10_08 ▼
                         reverse ▼ for Arm_halfway
                                                       degrees ▼
turn right ▼ for (220) degrees ▶
Going toward second red block and turning 325 degrees to knock off the red block
drive forward ▼ for (830)
                           mm 🔻
                     degrees
                325
drive forward ▼ for (100)
                                    and don't wait
                           mm 🔻
Lowering the arm
                                                                     degrees ▼
spin ArmMotors10_08 ▼
                         reverse ▼ for
                                         arm_limit | -
                                                      Arm_halfway
```

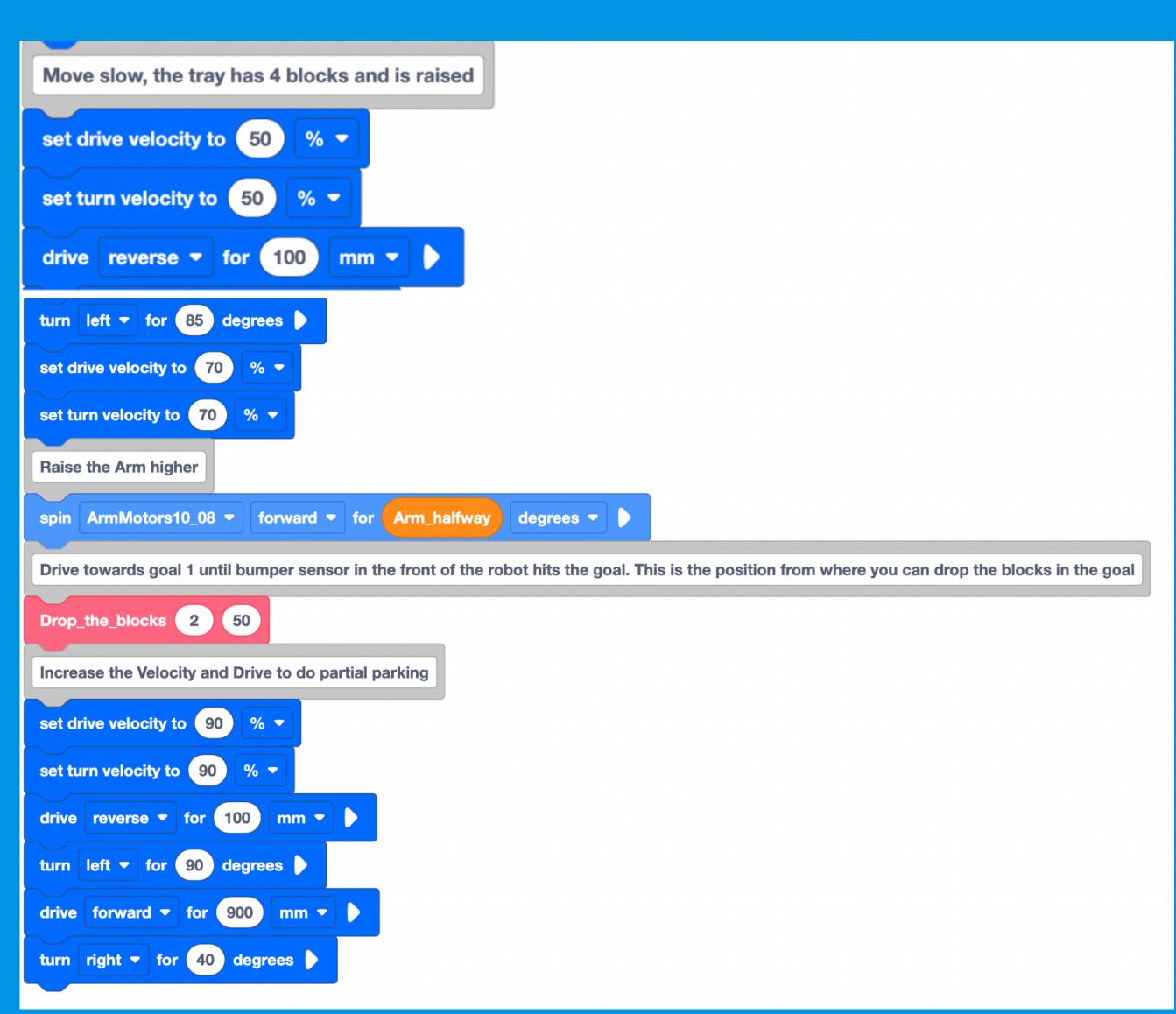
Phase 2





Phase 3





Phase 3 Cont.

