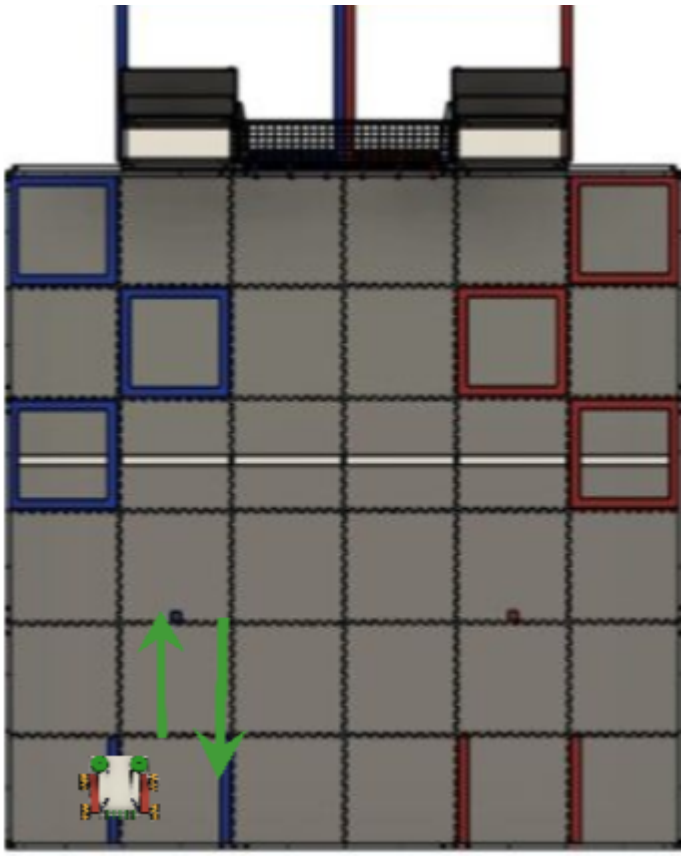
# VRS Blocks Forward Backward-and adjust the # of  motors

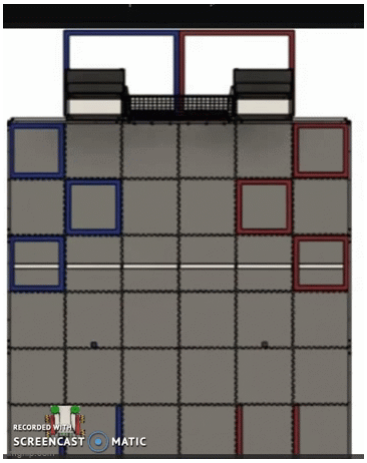
## Goal: Autonomously drive the Robot Forward and Back in a straight line



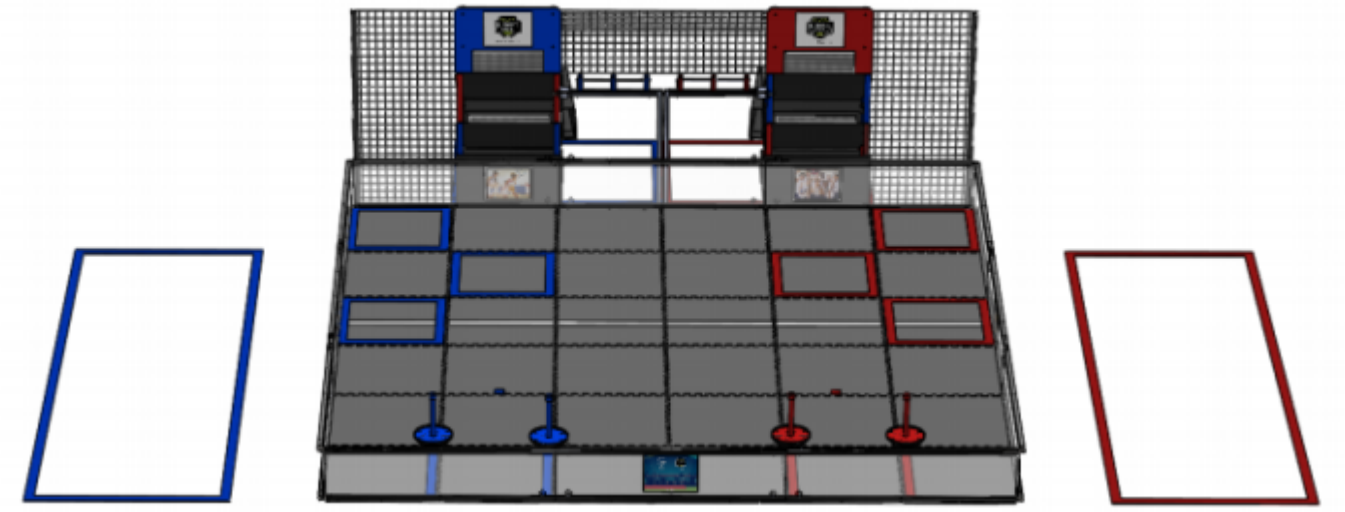
https://www.moovly.com

What your code will look like when you drive the robot
https://youtu.be/pT2M3yyGTpU

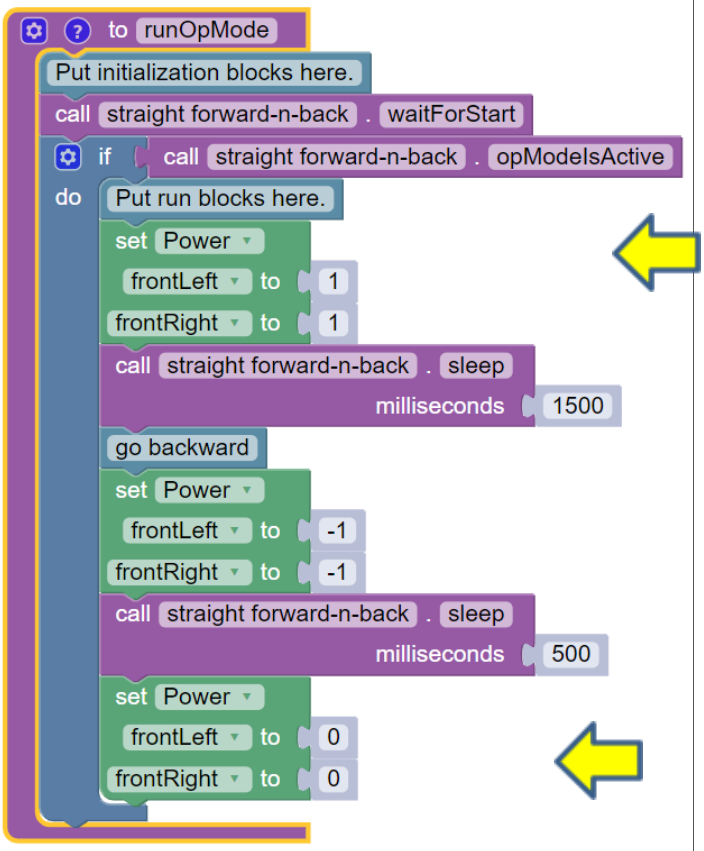
pseudocode-write the steps out




make into gif https://imgflip.com/gif-maker



# Step 1-Start with Forward Backward Code



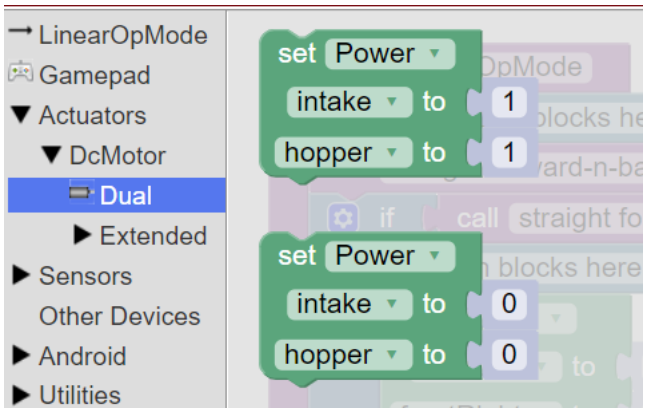

Robot moves forward

Robot pauses for 1.5 seconds

Robot goes backwards

Robot Stops-turn off Motors\

# Add 2 more Motors

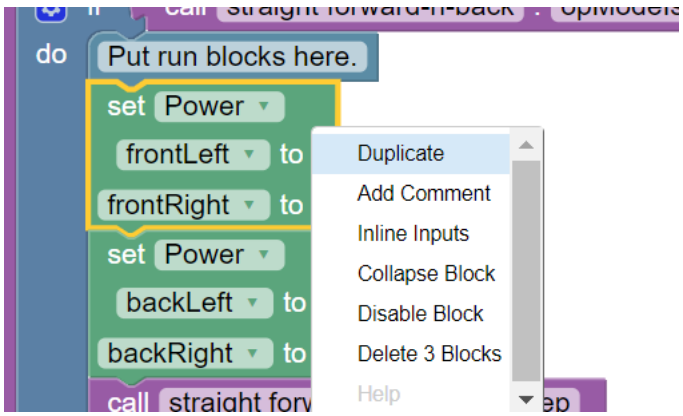



there are 2 ways to add the next Motors

Go to actuator,
DC motor,
Dual

Choose the set power block

OR



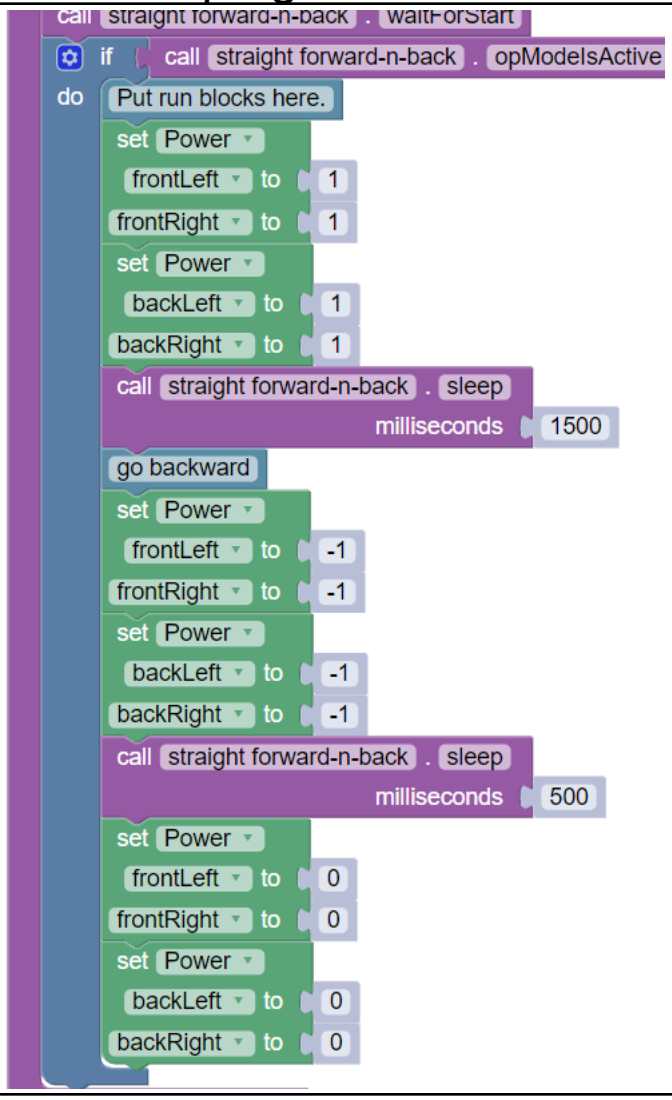

click on the set power front left front right and right click on duplicate.

then change the Motors to back left
back right

Set the power to one

Save the program -test program in the simulation.

## Test the program in the simulation ---make any adjustments




How have things changed?