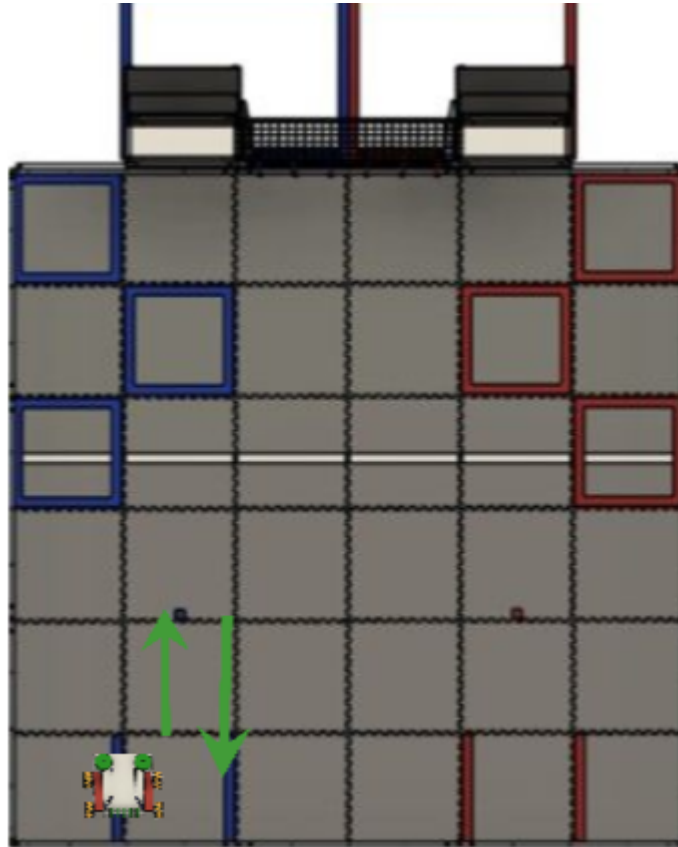


VRS Blocks Forward Backward-and adjust the # of motors

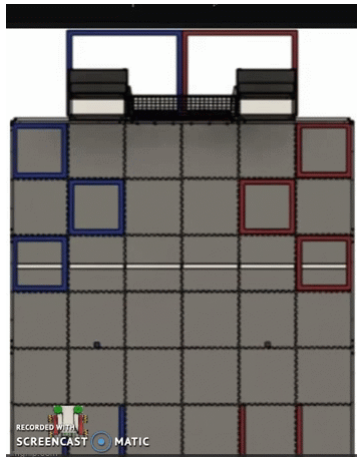
Goal: Autonomously drive the Robot Forward and Back
in a straight line



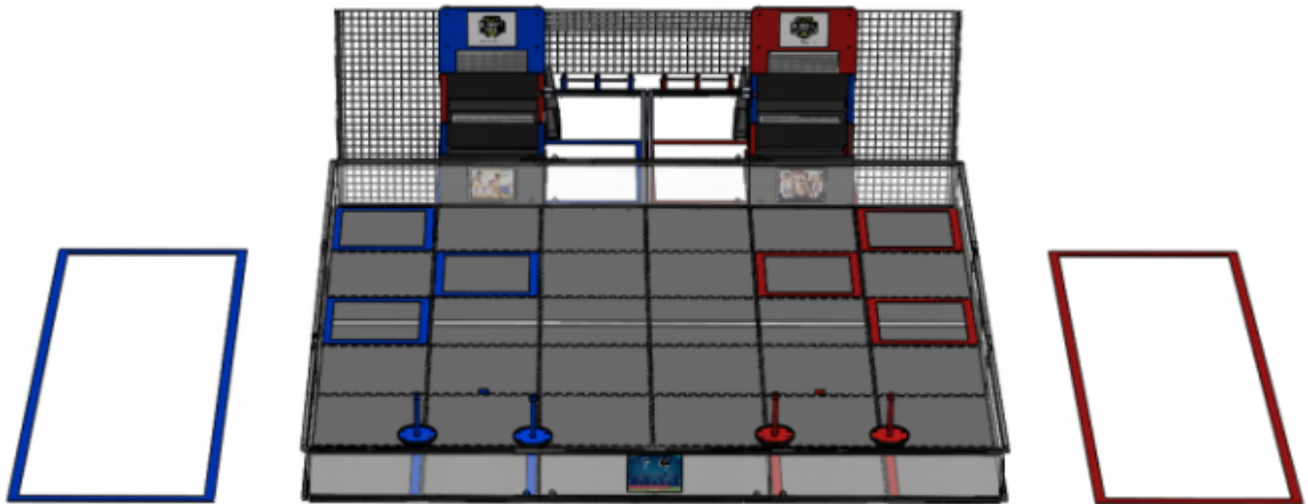
<https://www.moovly.com>

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

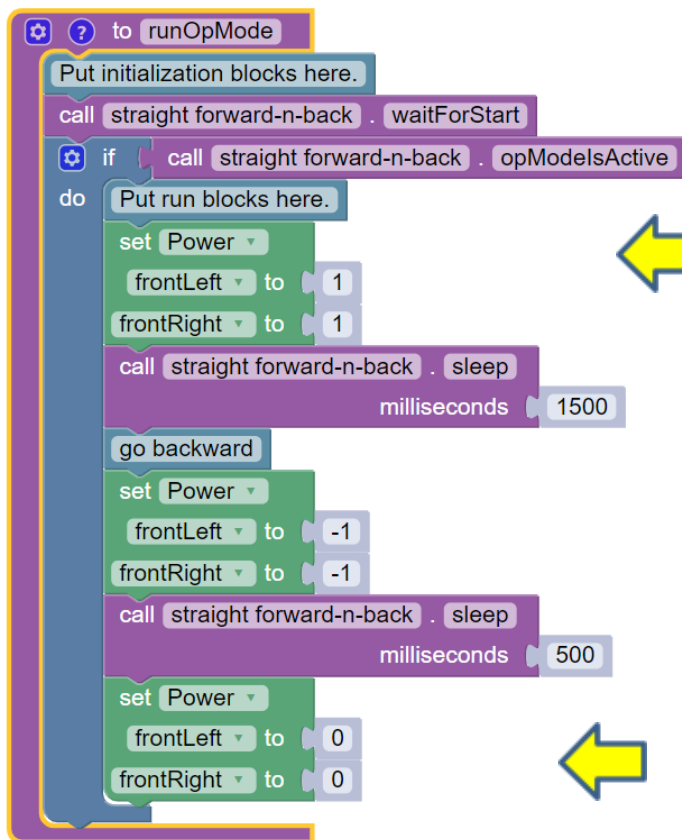
pseudocode-write the steps out



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



Step 1-Start with Forward Backward Code



Robot moves forward

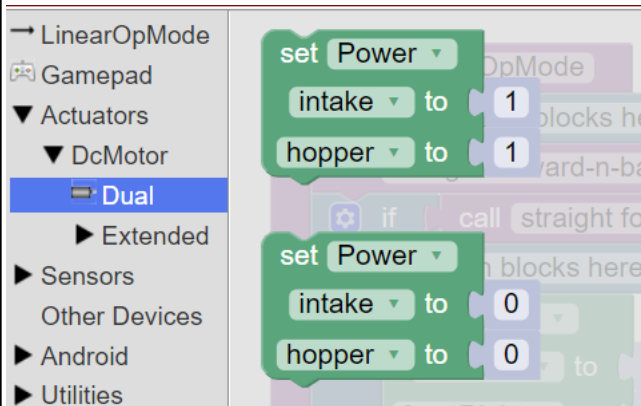
Robot pauses for 1.5 seconds

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

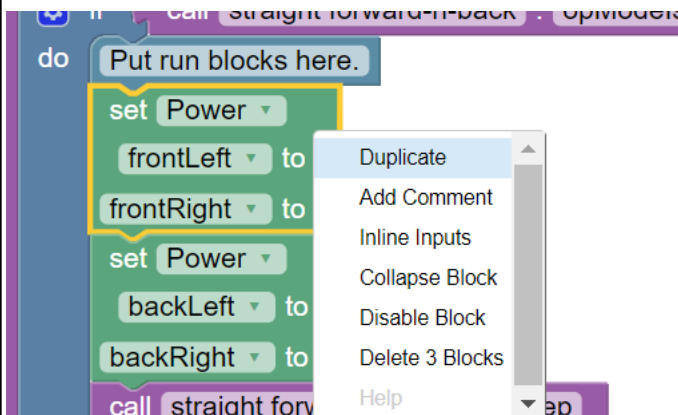
OR

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

```

call straight forward-n-back . wait-for-start
if call straight forward-n-back . opModelsActive
do
  Put run blocks here.
  set Power
  frontLeft to 1
  frontRight to 1
  set Power
  backLeft to 1
  backRight to 1
  call straight forward-n-back . sleep
  milliseconds 1500
  go backward
  set Power
  frontLeft to -1
  frontRight to -1
  set Power
  backLeft to -1
  backRight to -1
  call straight forward-n-back . sleep
  milliseconds 500
  set Power
  frontLeft to 0
  frontRight to 0
  set Power
  backLeft to 0
  backRight to 0
  
```

How have things changed?