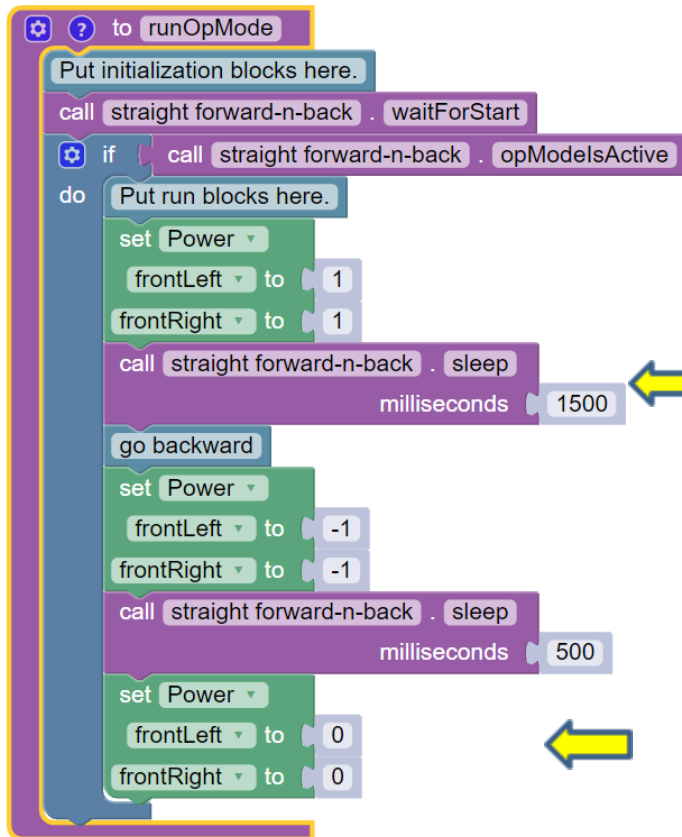


VRS Blocks 2 motors Forward Turn angle

#3 forward turn 90 angle experiment

Step 1-Start with Forward Backward Code



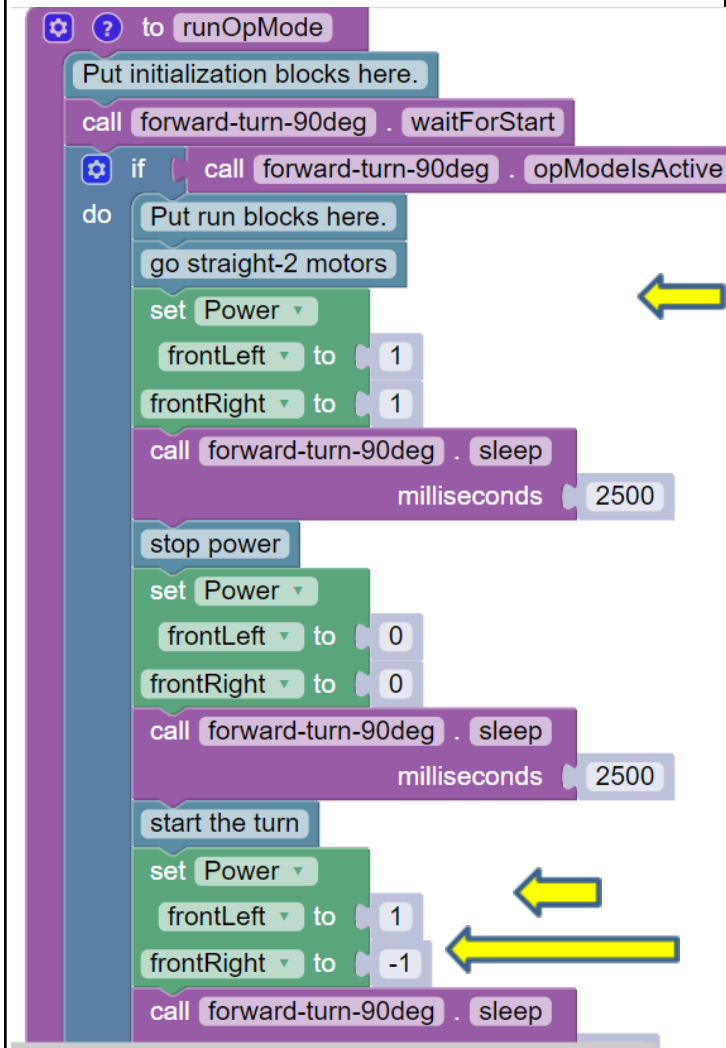
Robot moves forward

Robot pauses for 1.5 seconds

Robot goes backwards

Robot Stops-turn off Motors

Step 2-Turn angle 90° Start the Experiment



Robot moves forward

Note both wheels move forward

Robot turns ??? degree angle

Left wheel rotates forward
Right wheel rotates in reverse

Step 3-Run some experiments

```

milliseconds 2500
turn right
set Power
  frontLeft to 1
  frontRight to -1
call forward-turn-90deg . sleep
  milliseconds 1000
  
```

What happened? when time increased?



```

turn right
set Power
  frontLeft to 1
  frontRight to 0
call forward-turn-90deg . sleep
  milliseconds 1000
  
```

What happened?



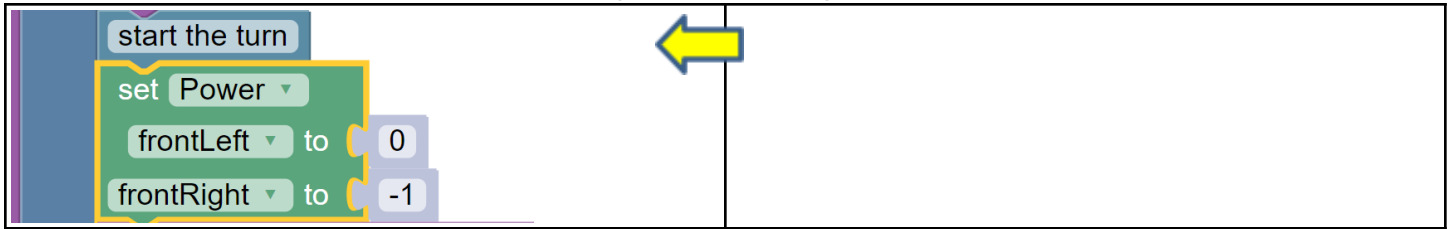
```

milliseconds 2000
turn right
set Power
  frontLeft to 1
  frontRight to 0.5
call forward-turn-90deg . sleep
  milliseconds 1000
  
```

What happened?



What happened?

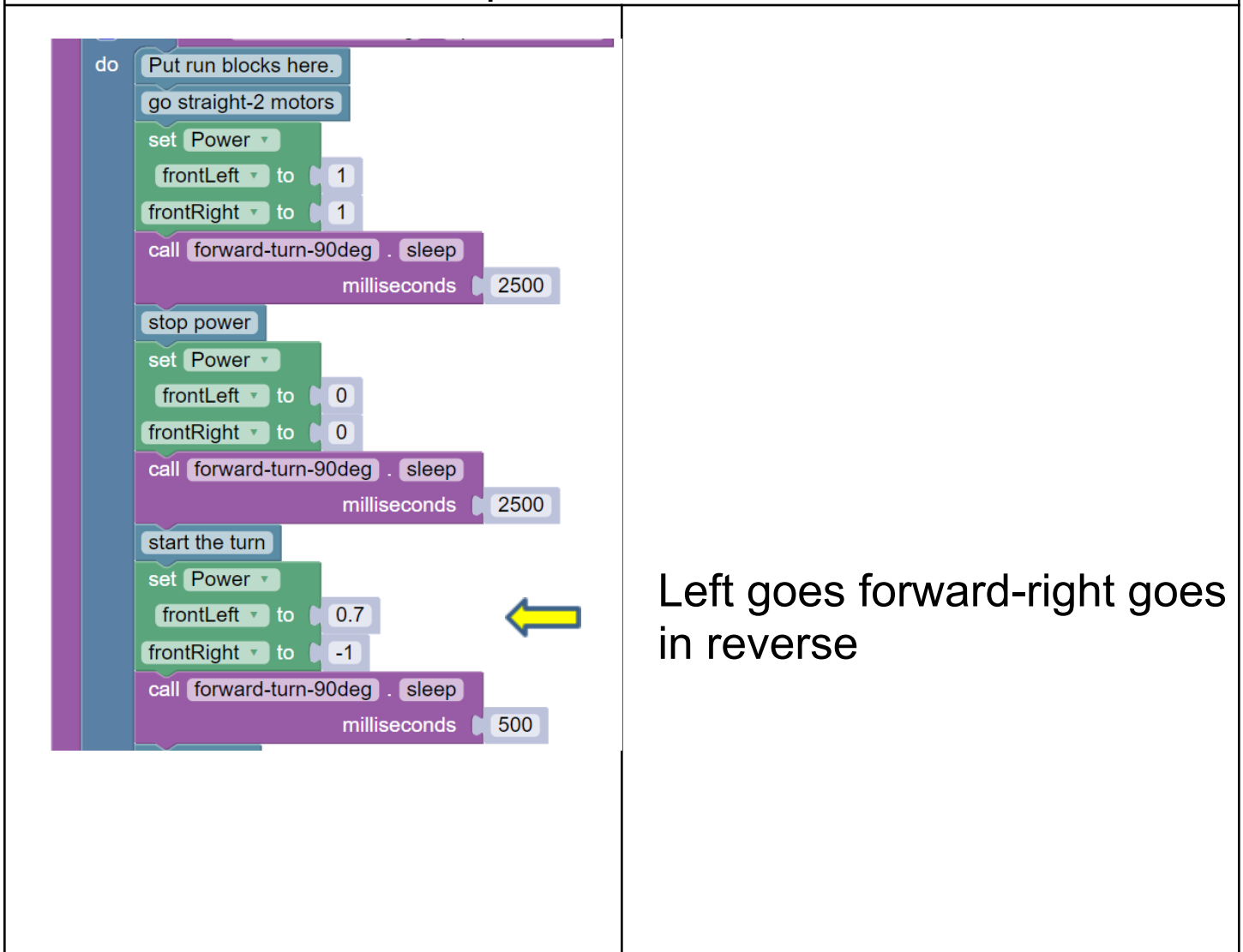


start the turn

set Power to frontLeft to 0

frontRight to -1

Step 3-One Solution



do

Put run blocks here.

go straight-2 motors

set Power to frontLeft to 1

frontRight to 1

call forward-turn-90deg . sleep milliseconds 2500

stop power

set Power to frontLeft to 0

frontRight to 0

call forward-turn-90deg . sleep milliseconds 2500

start the turn

set Power to frontLeft to 0.7

frontRight to -1

call forward-turn-90deg . sleep milliseconds 500

Left goes forward-right goes in reverse