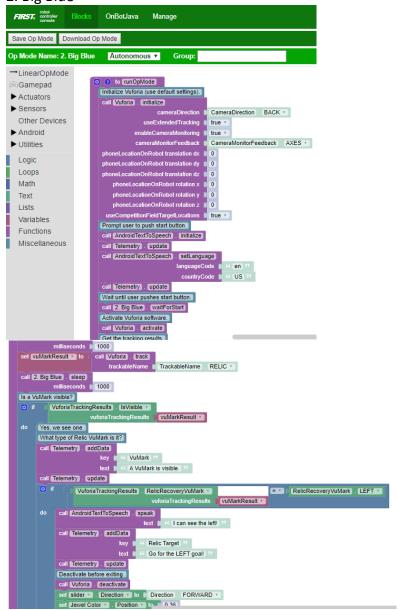
Robot X Games 6041

We have programs for 4 autonomous starting positions: small red, big red, small blue, big blue, and a driver-controlled program called Tele-Op. The Blocks programming does not have a print function, so we copied and pasted our code into a Word document the best we could.

2. Big Blue



```
call color sensor * . (enableLed enable false *
  call 2. Big Blue . sleep
milliseconds 500
call color sensor v . enable to true v set slider v . Power v to 0 0 set Jewel Color v . Position v to 0.81 call 2. Big Blue . sleep milliseconds 0 5000 set Color v to all Color . rgbToColor
                                                                                                                                            green | color sensor v . Green v | blue | color sensor v . Blue v
   © if Color . Saturation v
                                                                                                                                                                                      ≥ ▼ (0.5) and ▼
                   right_drive v to 0
                       call 2. Big Blue . Sleep
milliseconds 250
set Jewel Color . Position to 0.36
call 2. Big Blue . Sleep
milliseconds 800
                         go straight
                       set Power v
right_drive v to 0.3
left_drive v to 0.3
call 2. Big Blue . sleep
                         milliseconds 1000
                         right_drive v to 0
                                 call 2. Big Blue . sleep
                         turn and deposit glyphs
set left_drive * . Direction * to * Direction FORWARD *
set right_drive * . Direction * to * Direction REVERSE *
set left_drive * . Power * Inva* n
                     set left_drive bounds 1000
set Power inght_drive to 0.8
call 2. Big Blue | sleep milliseconds | 1600
set Power right_drive to 0 | left_drive to 0 | left_drive | | l
                         call 2. Big Blue . sleep milliseconds 1000 final forward to deposit glyphs
                      set Power *
right_drive * to | 0.2
left_drive * to | 0.2
call 2. Big Blue . sleep
                                            milliseconds 1 1000

Color Saturation color Color Color
                                                                                                                                                                                       ≥ ▼ 0.5 and ▼
                                                                                                                                                                                                                                                                                                                                                                                                                2 180 and Color . Hue v
                     Blue
```

```
go forward
             set Power v
right_drive v to -0.3
left_drive v to -0.3
call 2. Big Blue . sleep
                                                                        conds [ 1600
             right_drive to 0
left_drive to 0
call 2. Big Blue . sleep
milliseconds 1000
         set Power significance to 10.4 left_drive to 10.8 call 2. Big Blue | Sleep | milliseconds | 1650
           call 2. Big Blue sleep
miliscoonds 1650

set Power **
(right_drive ** to 0
left_drive ** to 0
call 2. Big Blue sleep
miliscoonds 1000

final forward to deposit glyphs
set light_drive **. Power ** to 0.18
set left_drive **. Power ** to 0.18
call 2. Big Blue sleep
miliscoonds 5
call 2. Big Blue sleep
miliscoonds 5
call 2. Big Blue sleep
miliscoonds 5
call 2. Big Blue sleep
else No Jewel
                No Jewel

call AndroidTextToSpeech speak

text to " I don't see a jewel " o 3.6

call 2. Big Blue . sleep

milliseconds 2000

set left_drive " . Direction " to " Direction REVERSE " set left_drive " . Direction " to " Direction FORWARD " set left_drive " . Power " to " 0 call 2. Big Blue . sleep

milliseconds 975

knock off red
                 set [eft_drive*. Power* to 0.25
set right_drive*. Power* to 0.25
call 2. Big Blue . sleep
                                                                              onds | 250
           set Power 

night_drive to 0

[eft_drive to 0

call 2. Big Blue . sleep

milliseconds 600
                set Power v
             go straight |
set | Power |
right_drive | to | 0.3
left_drive | to | 0.3
call | 2. Big Blue | Sleep
milliseconds | 1000
                  go straight
                set Power to 0
left_drive to 0
call 2. Big Blue . sleep
               call 2. Big Blue sleep
milliseconds 250

turn and deposit glyphs

set left_drive Direction to Direction FORWARD set light_drive Direction to Direction REVERSE set left_drive Power to 0

call 2. Big Blue sleep
milliseconds 1000
           call 2. Big Blue milliseconds 1000
set Power 10 10-0.4
left_drive 10 10-0.8
call 2. Big Blue | Sleep milliseconds 1650
                miliseconds 169
set Power *
right_drive * to 0
left_drive * to 0
call 2. Big Blue ... sleep
```

```
set Power v
right_drive v to 0
left_drive v to 0
                     call 2. Big Blue . sleep milliseconds 1000
                    final forward to deposit glyphs
                    right_drive v to 0.19
left_drive v to 0.19
call 2. Big Blue . sleep
milliseconds | 800
                                                                                                                                       RelicRecoveryVuMark CENTER
            VuforiaTrackingResults RelicRecoveryVuMark
                                                                  vuforiaTrackingResults (vuMarkResult v
        call AndroidTextToSpeech . speak
                                                                          ( I can see the center! >>
                                                               Relic Target
                                                           "Go for the CENTER goal!
        call Telemetry . update

Deactivate before exiting.
        Deactivate before exiting
carl Vutoria deactivate
set slider . Direction to Direction FORWARD 
set Jewel Color . Position to . 0.5
set Gripper . Position to . 0.5
set slider . Power to . 1
        set Jewel Color ... Position ... to ... 0.36
set Gripper ... Position ... to ... 0.5
set stider ... Power ... to ... 1
call 2. Big Blue ... step
milliseconds ... 500
call colorsensor ... enableted
enable ... false ...
call 2. Big Blue . Sleep
miliseconds | 500
call color sensor * . enableLed
enable | true *
set Silder * . Power * to | 0 | 0 81
call 2. Big Blue . sleep
miliseconds | 5000
set Color * to | call Color . rgbToColor
red
green
blue color sensor * . Red * color sensor * . Blue *
                                                                                                                                                                                            > v 260 or v Color . Hue v
        call color sensor . enableLed
                                                   enable ( false *
         call 2. Big Blue . sleep
milliseconds 500
call color sensor . enableLed
         enable true r
         set Jewel Color Position to 0.81
call 2. Big Blue | sleep | milliseconds | 5000
set Color to | call Color rgbToColor
                                                                         red | color sensor • Red •
                                                                        green | color sensor v . Green v blue | color sensor v . Blue v
         © if Color . Saturation Color Color
                                                                                           ≥ ▼ 0.5 and ▼
                                                                                                                                             Color . Hue v
                                                                                                                                                                                             > 260 or Color . Hue
                                                                                                                                                                                                                                                                                         < v ( 37.5
                   Red
call AndroidTextToSpeech | speak |
text | " | I can see Red| " |
set | Jewel Color | Position | to | 0.81 |
set | left_drive | Direction | to | Direction | REVERSE |
set | right_drive | Direction | to | Direction | FORWARD |
set | right_drive | Power | to | 0 |
set | right_drive | Power | to | 0 |
call | 2 | Big Blue | sleep
```

```
set right_anve . Power to call 2. Big Blue . sleep milliseconds $\) 975
                                                     set left_drive v . Power v to 0.3
set right_drive v . Power v to 0.3
                                                set right_drive * . Power * to 0.3

call 2. Big Blue sleep
milliseconds 250

set left_drive * . Power * to 0

set right_drive * . Power * to 0

call 2. Big Blue . sleep
milliseconds 250

set Jewel Cotor * . Position * to 0.36

call 2. Big Blue . sleep
                                                     call (2. Big Blue) . sleep
                                                                                                                                                      milliseconds | 800
                                                   go straight
                                                set Power *
right_drive * to * 0.25
left_drive * to * 0.25
call 2. Big Blue . sleep
                                          call 2. Big Blue . sleep milliseconds . 300
set Power injeht_drive . to . 0
left_drive . to . 0
call 2. Big Blue . sleep milliseconds . 250
turn and deposit glyphs milliseconds . 250
turn and deposit glyphs milliseconds . 250
                   final forward to deposit glyphs
nna torvaru to deposit glypne set Power "
night_drive to 0.2
left_drive to 0.2
call 2. Big Blue . sleep
milliseconds 650
else if Color . Saturation *
                                                                                                                                                                                                                                                                                                                                                                                                    and Color Hue Color Colo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ≥ ▼ 180
     do Blue
                                                        call AndroidTextToSpeech . speak
                                             text text to leave Color Position to Direction FORWARD set left_drive Direction to Direction REVERSE set left_drive Power to 0 set left_drive Power to 0 set light_drive Power Po
```

```
go forward, knock off red
               go forward, knock off red
set left_drive * . Power * to * 0.25
set right_drive * . Power * to * 0.25
call 2. Big Blue . sleep
milliseconds * 255
set left_drive * . Power * to * 0
set right_drive * . Power * to * 0
set right_drive * . Power * to * 0
call 2. Big Blue . sleep
              call 2. Big Blue | Sleep | milliseconds | 200 | set | Jewel Color | Position | 10 | 0.36 | call 2. Big Blue | Sleep | milliseconds | 500 |
             milliseconds 500
go backward to cryptobox
set Power **
right drive * to | -0.3
left_drive * to | -0.3
call 2. Big Blue . sleep
milliseconds 1500
             milliseconds
set Power v
right_drive v to 0
left_drive v to 0
                 call 2. Big Blue . sleep milliseconds 1000
             set Power v
right_drive v to 0.8
          call 2. Big Blue . sleep
milliseconds 1200
           call 2. Big Blue . sleep
milliseconds . 1200
set Power "
right_drive " to | 0
call 2. Big Blue | sleep
milliseconds | 700
set Power "
right_drive " to | 0.3
let_drive " to | 0.3
let_drive " to | 0.3
call 2. Big Blue | sleep
milliseconds | 800
set Power "
right_drive " to | 0
let_drive " to | 0
call 2. Big Blue | sleep
milliseconds | 700
second turn
          second turn
set Power right_drive to 0.4
left_drive to 0.8
call 2. Big Blue sleep
milliseconds 800
set Power right_drive to 0
left_drive to 0
call 2. Big Blue sleep
final forward to deposit glyphs
set right_drive Power to 0.19
call 2. Big Blue sleep
milliseconds 800
set Power to 0.19
set left_drive Power to 0.19
call 2. Big Blue sleep
milliseconds 850
             second turn
else No Jewel
                knock off red backward
```

```
left_drive v to 0.25 call 2. Big Blue . sleep
                                                                                                                             nds | 800
                                                  set Power v
right_drive v to 0
left_drive v to 0
                                                  call 2. Big Blue . sleep
milliseconds 500
turn and deposit glyphs
                                                  turn and deposit glyphs |
set left_drive * . Direction * to | Direction FORWARD *
set right_drive * . Direction * to | Direction REVERSE *
set left_drive * . Power * to | 0 |
set right_drive * . Power * to | 0 |
call 2. Big Blue | Sleep |
millseconds | 800
                                                 milliseconds
set Power -
right_drive to -0.4
left_drive to 0.8
call 2. Big Blue . sleep
                                                milliseconds
set Power *
right_drive * to 0
left_drive * to 0
                                                                                                                          onds | 1200
                                                      call 2. Big Blue . sleep
milliseconds . 500
                                             forward

icit Onwer to U.3

call 2. Big Blue . sleep

milliseconds 700
                                               right_drive to 0

left_drive to 0

call 2. Big Blue . sleep
milliseconds 500
                                               second turn
set Power *
right_drive * to | -0.4
left_drive * to | 0.8
                                                    call 2. Big Blue . sleep
milliseconds 800
                                             set Power * 
right_drive * to 0
left_drive * to 0
call 2. Big Blue . sleep
milliseconds 500
                                                 final forward to deposit glyphs
                                                set Power v
right_drive v to 0.19
left_drive v to 0.19
call 2. Big Blue . sleep
                                                                                   milliseconds | 850
   else if VuforiaTrackingResults . RelicRecoveryVuMark •
                                                                                                                                                                                                                                                                                                       RelicRecoveryVuMark RIGHT
else if VuforiaTrackingResults RelicRecoveryVuMark
                                                                                                                                                                                                                                                                                                       = v RelicRecoveryVuMark RIGHT v
 ( I can see the right! >>
                          call Telemetry . addData
                                                                                                                                          Relic Target
                                                                                                                                    Go for the RIGHT goal!
                     call Telemetry . update

Deactivate before exiting.
                Deactivate before exiting call Vuforia deactivate set slider . Direction to 0.36 set Gripper . Position to 0.36 set slider . Power to 1 call 2. Big Blue sleep milliseconds 500 call color sensor . enableted enable . Sleep s
                        call 2. Big Blue . sleep milliseconds 500
                      milliseconds | 500
call Color sensor · . enableLed
enable | true ·
set slider · . Power · ! to | 0
set Jewel Color · . Position · ! to | 0.81
call 2. Big Blue . sleep
milliseconds | 5000
```

```
set Color to call Color . rgbToColor
                                                                                                                                                red | color sensor v | Red v |
green | color sensor v | Green v |
blue | color sensor v | Blue v |
                               Color . Saturation color Color v
                                                                                                                                                                                             ≥ ▼ 0.5 and ▼
                                                                                                                                                                                                                                                                                                                                                                                                                                      > 260 Or V Color . Hue V
                                                                                                                                                                                                                                                                                                                     Color . Hue *
do Red
                     Red call AndroidTextToSpeech speak text speak text set Jewel Color * . Position * to 0.81

set Jewel Color * . Position * to 0.81

set left_drive * . Direction * to 0. Direction FORWARD * set left_drive * . Power * to 0.0

set
                     knock off red
                     set leff_drive * . Power * to 0 0.25
set leff_drive * . Power * to 0 0.25
call (2. Big Blue . sleep milliseconds 0 250
                   milliseconds
set Power to 0
inght_drive to 0
left_drive to 0
call 2. Big Blue sleep
              nds ( 250
              go straight
set Power *
right_drive * to | 0.3
left_drive * to | 0.3
call 2.Big Blue | sleep
miliseconds | 800
                      call 2. Big Blue | sleep
milliseconds | 800
set | Power | |
right_drive | to | 0
left_drive | to | 0
call 2. Big Blue | sleep
milliseconds | 500
                         turn and deposit glyphs
                        seconds 250
                          milliseconds 250
set Power 1
right_drive 1 to 1 0
left_drive 1 to 0 0
call 2. Big Blue | sleep
milliseconds | 250
set Jevel Color | Position 1 to 0.36
call 2. Big Blue | sleep
milliseconds | 700
costraight | 700
                        go straight
set | Power **
right_drive ** to | 0.3
left_drive ** to | 0.3
call 2. Big Blue : sleep
millseconds | 800
                               go straight
                               milliser
set Power
                             right_drive v to 0 left_drive v to 0
                                 call 2. Big Blue . sleep
                            milliseconds 500
                            set Power v
right_drive v to 0.8
left_drive v to -0.4
call 2. Big Blue . sleep
                                                                                                            onds ( 980
```

```
call 2. Big Blue . sleep
milliseconds 1 1200
              set Power
             right_drive to 0
left_drive to 0
call 2. Big Blue . sleep
             milliseconds 500
             call 2. sig blue : sieep | 760 | set | Power | right drive | to | 0 | left drive | to | 0 | call | 2. Big Blue : sleep | milliseconds | 1000 | Final forward to cryptobox
             set Power v
right_drive v to 0.19
left_drive v to 0.19
               call 2. Big Blue . sleep
                            Color Saturation Color Color U.S
                                                                                     ≥ ▼ 0.5 and ▼
                                                                                                                                                                                     ≥ ▼ (180) and ▼
                                                                                                                                     Color . Hue *
                                                                                                                                                                                                                                 Color . Hue *
                                                                                                                                                                                                                                                                                  ≤ ▼ 270
                                                                                                                                       Color . Hue v
                                                                                                                                                                                       ≥ v 180 and v Color Hue v
                                                                                                                                                                                                                                                                                    ≤ ▼ 270
knock off red
set left_drive Power to -0.26
set right_drive Power to -0.26
call 2. Big Blue sleep
milliseconds 5.
set left_drive Power to 0.
set right_drive Power to 0.
set right_drive Seep
milliseconds 5.
set Jewel Color Position to 0.36
call 2. Big Blue sleep
milliseconds 8.00
go to cryptobox
             go to cryptobox
             set Power viright_drive to 0.3 left_drive to 0.3 call 2. Big Blue sleep
                                              onds | 1500
             milliseconds
set Power *
right_drive * to 0
left_drive * to 0
            left_drive to 0 0
call 2. Big Blue sleep
milliseconds 250
set left_drive Direction to Direction FORWARD set light_drive Direction to Direction REVERSE set light_drive to 0 0
call 2. Big Blue sleep
milliseconds 500
tun
             turn
set Power v
right_drive v to 0.4
left_drive v to 0.8
call 2. Big Blue sleep
            milliseconds 1200
set Power *
right_drive * to 0
left_drive * to 0
```

```
right_drive v to 0.8

call 2. Big Blue . sleep
                                                  call 2. Big Blue | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200
                                                          forward to cryptobox
set Power "
right drive " to " 0.3
left_drive " to " 0.3
call 2. Big Blue . sleep
milliseconds | 1150
set Power "
right_drive " to " 0
left_drive " to " 0
left_drive " to " 0
left_drive " to " 0
                                                                call 2. Big Blue . sleep milliseconds 1000
                                            second turn
set Power *
right drive * to | .0.4
left_drive * to | 0.8
call 2. Big Blue | . sleep
milliseconds | 710
call 2. Big Blue | . sleep
milliseconds | 700
                                                                  second turn
else No Jewel
                                                  ( I don't see a jewel >>
                                       set Jewel Color Postlon 0 0.30
call [2. Big Blue .. sleep]
milliseconds 2000
set Jeff drive 2 Direction 10 Direction REVERSE 2
set Inght_drive 2 Direction 10 Direction FORWARD 3
set Inght_drive 3 Power 10 0
call 2 Big Blue .. sleep
milliseconds 975
Innock off red
                                               knock off red
                                               knock off red set left_drive*. Power* to 0 0.25 set fight_drive*. Power* to 0 0.25 call (2.8ig Blue . sleep milliseconds 0 250
                                         set Power | sieep | milliseconds | 250 | set Power | sieep | color | c
                                                  go straight
                                                          go straight
                                                       set Power viright_drive v to 0.3

[left_drive v to 0.3

call 2. Big Blue . sleep
                                                                                                                                                                                                                                          ds ( 800
                                                       milliseconds

set Power v
right_drive v to 0
left_drive v to 0
call 2. Big Blue . sleep
                                                       milliseconds
turn and deposit glyphs
                                                       set Power v
right_drive v to 0.8
left_drive v to -0.4
call 2. Big Blue v sleep
                                                                                                                                                                                                                               nds | 980
                                                                set Power *
                                                       right_drive to 0 left_drive to 0 call 2. Big Blue . sleep milliseconds 500
                                                       go toward

set | set_drive * | Direction * to | Direction | FORWARD * set | right_drive * | Direction * to | Direction | REVERSE * set | Power * | right_drive * to | 0 |
```

```
milliseconds 1000
                      set Power right drive to 0.3 left_drive to 0.3 call 2. Big Blue sleep milliseconds 1200
                       set Power v
right_drive v to 0
left_drive v to 0
call 2. Big Blue . sleep
milliseconds v 500
                        Second turn
                       call 2. Big Blue milliseconds 760
set Power fight drive to 0
left drive to 0
call 2. Big Blue sleep
milliseconds 1000
  set Power * ight drive * to * 0.19
ileft drive * to * 0.19
call 2. Big Blue . sleep
    call [Telemetry] . [addData]
                                                     VuMark 22
                                  key ( 44 VuMark 22 text ( 44 No VuMarks are visible. 22
  call Telemetry . update

Deactivate before exiting.
Deactivate before exiting.

call Vuforia deactivate
set slider " Direction to 0.36
set Gripper " Position to 0.36
set Slider " Power to 1
call 2 Big Bitte Sleep
miliseconds 500
call color sensor " enable deanable false "
   call 2. Big Blue . sleep
milliseconds 500
    call color sensor v . enableLed
   call color sensor * . enable ted
enable true *
set slider * . Power * to * 0
set Jewel Color * . Position * to * 0.81
call 2. Big Blue . sleep
milliseconds 2000
set Color * to | call Color . rgbToColor
                                                               red | color sensor v . Red v
 call 2. Big Blue . sleep
milliseconds 2000
 set Color v to call Color . rgbToColor
                                                        red | color sensor * . Red * green | color sensor * . Green * blue | color sensor * . Blue * |
                                                                            ≥ ▼ ( 0.5 and ▼
                  Color . Saturation color Color Color
                                                                                                                                                                       > v 260 or v Color Hue v
          call AndroidTextToSpeech . speak
                                                          text [ " [I see nothing] >>
       call 2. Big Blue . sleep
milliseconds 1000
          set left_drive v . Power v to 0-0.26 set right_drive v . Power v to 0.26
```

```
left_drive to 0 0
call 2. Big Blue . sleep
milliseconds 1000
knock off red backward
set left_drive Power to 0 0.26
set right_drive Sleep
milliseconds 250
set left_drive Power to 0 0
set right_drive Power to 0 0
set left_drive Sleep
milliseconds 250
set Jewel Color Position to 0.36
call 2. Big Blue sleep
milliseconds 1500
go straight
              go straight set Power stripht drive to -0.25 left drive to -0.25 call [2. Big Blue sleep milliseconds 1050 set Power stripht drive to 0 left drive to 0 left drive to 0 left drive sleep sleep left by the sleep l
                         call (2. Big Blue) . (sleep)
                                                                                                                                      conds 1000
            turn to deposit divinis Ingin_anve 10 U.19
left_drive 10 0.19
call 2. Big Blue | sleep
milliseconds | 1500
                                                                                                                                                                                                                                                                             ≥ ▼ (0.5) and ▼ (
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Color . Hue v
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ≥ v 180 and v (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Color . Hue 🔻
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ≤ ▼ (270)
          call (2. Big Blue) . (sleep milliseconds ) 1200
call 2 Big Blue sleep
milliseconds 1200
call AndroidTextToSpeech speak

text 1 see blue 2

set Jewel Color Position to 0.81
set left_drive Direction to 0.81
set left_drive Direction to 0.81
set left_drive Direction to 0.81
set power 1 prection REVERSE 180

call 2.8 lig Blue sleep
milliseconds 1000
go back, knock off red
set left_drive Power to 0.26
set right_drive Power to 0.26
set right_drive Seep
milliseconds 250
set Jewel Color Position to 0.36
call 2.8 lig Blue sleep
milliseconds 250
set Jewel Color Position to 0.36
call 2.8 lig Blue sleep
milliseconds 600
                     go backward
                   set Power v
right_drive v to 0 -0.25
left_drive v to 0 -0.25
                           call 2. Big Blue . sleep
                 call 2. Big Blue . Sieep milliseconds 1780

set Power * right_drive * to 0 0 left_drive * to 0 0 call 2. Big Blue . Sleep milliseconds 1000
                 set Power *
right_drive * to | -0.4
left_drive * to | 0.8
call 2. Big Blue | sleep
```

```
right_drive v to 0

left_drive v to 0

call 2. Big Blue . sleep
                                                                                          onds ( 800
                                 second turn
set Power 
ight_drive to to -0.4
left_drive to 0.8
call 2. Big Blue | sleep | milliseconds | 730
                                     second turn
                                 call 2. Big Blue sleep
milliseconds 730
set Power*
right_drive* to 0
left_drive* to 0
call 2. Big Blue sleep
milliseconds 700
final forward to deposit glyphs
set left_drive* Power* to 0.19
set light_drive* Power* to 0.19
call 2. Big Blue sleep
milliseconds 900
                   else call AndroidTextToSpeech . speak
                                                                                                                     text [ 44 [I see nothing] >>
                                     call (2. Big Blue) . (sleep)
                                   No Jewel
set right_drive Power to -0.26
call 2. Big Blue I sleep
milliseconds 250
set left_drive Power to 0
call 2. Big Blue I sleep
milliseconds 250
                                  go straight
set | Power |
right drive | to | -0.25
left drive | to | -0.25
call 2 Big Blue | Sleep |
milliseconds | 1050
                                     go straight
                                 milliseconds 1050
milliseconds 1050
set Power 1
night_drive 10 0
Left_drive 10 0
call 2 Big Blue Sleep
milliseconds 1000
                                      set [eff_drive*]. Power* to $\ 0.8 set [right_drive*]. Power* to $\ 0.4 call [2. Big Blue . sleep milliseconds $\ \] 1600
                                  call 2. Big Blue | sleep | milliseconds | 1600 | set | Power | to | 0 | left_drive | Power | to | 0.8 | set | right_drive | Power | to | -0.4 | call 2. Big Blue | sleep | milliseconds | 1600 |
                                                                                         onds | 1600
                                  right_drive v to 0
left_drive v to 0
                                    call 2. Big Blue . sleep
milliseconds 1 1000
final forward to deposit glyphs
                                 set Power sight drive so to 0.2
left drive so 0.2
call 2. Big Blue sleep
milliseconds 1 1500
call Telemetry . update
set Power * 
ight_drive * to * 0
left_drive * to * 0
call 2. Big Blue . sleep
milliseconds * 500
drop
set Jewel Color * . Position * to * 0.36
set Sider * . Direction * to * Direction REVENSE * .
```

```
set slider Power to 1
call 2. Big Blue sleep
miliseconds 1000
set slider Power to 0
call 2. Big Blue sleep
miliseconds 500
set slider Power to 1
call 2. Big Blue sleep
miliseconds 500
set slider Power to 1
call 2. Big Blue sleep
miliseconds 500
set slider Power to 0
beck up
set left_drive Direction to Direction REVERSE set left_drive Power to 0
set fight_drive Power to 0
set fight_drive Power to 0
set fight_drive Power to 0.3
set fight_drive Power
```