

Student Name: Ben

Assignment: 32 points vex code

Notes:

Playground: VIQC Virtual Skills - Full Volume

Project Name: 32 points vex code

Project Type: Blocks

Date: Wed Jan 31 2024

Playground Screenshot Not Found

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when started
  set ArmMotorGroup velocity to 100 %
  set IntakeMotorGroup velocity to 100 %
  when I receive message1
    spin IntakeMotorGroup intake for 180 degrees
  set drive velocity to 100 %
  set turn velocity to 100 %
  drive forward for 250 mm
  turn right for 90 degrees
  drive forward for 200 mm
  broadcast message1
  drive forward for 200 mm
  wait 0.5 seconds
  drive reverse for 200 mm
  turn right for 90 degrees
  drive forward for 275 mm
  turn right for 90 degrees
  drive forward for 100 mm
  spin ArmMotorGroup up for 180 degrees
  spin ArmMotorGroup up for 90 degrees
  drive forward for 75 mm
  spin IntakeMotorGroup outtake for 100 degrees
  spin ArmMotorGroup up for 45 degrees
  drive forward for 50 mm
  spin IntakeMotorGroup outtake for 90 degrees
  drive reverse for 36 inches
  turn right for 100 degrees
  drive forward for 25 inches
  spin ArmMotorGroup down for 180 degrees
  spin ArmMotorGroup down for 90 degrees
  drive forward for 100 mm
  broadcast message1
  drive forward for 5 inches
  drive reverse for 31 inches
  turn left for 105 degrees
  drive forward for 34 inches
  spin ArmMotorGroup up for 90 degrees
  spin ArmMotorGroup up for 90 degrees
  spin ArmMotorGroup up for 90 degrees
  drive forward for 50 mm
  spin IntakeMotorGroup outtake for 100 degrees
  spin ArmMotorGroup up for 45 degrees
  wait 1 seconds
  spin ArmMotorGroup down for 90 degrees
  spin ArmMotorGroup down for 90 degrees
  spin ArmMotorGroup down for 180 degrees
  turn right for 100 degrees
  drive forward for 100 mm
  broadcast message1
  drive forward for 200 mm
  drive forward for 28 inches
  turn left for 40 degrees
  drive forward for 200 mm
  spin ArmMotorGroup up for 90 degrees
  spin ArmMotorGroup up for 90 degrees
  spin ArmMotorGroup up for 90 degrees
  spin IntakeMotorGroup outtake for 180 degrees
  drive forward for 30 mm
  turn right for 120 degrees
  spin ArmMotorGroup down for 270 degrees
  turn right for 10 degrees
  drive forward for 300 mm
  drive reverse for 200 mm
  turn left for 90 degrees
  drive forward for 100 mm
  turn right for 90 degrees
  spin ArmMotorGroup up for 180 degrees
  drive forward for 59 inches

```

```

when started
set ArmMotorGroup velocity to 100 %
set IntakeMotorGroup velocity to 100 %
set drive velocity to 100 %
set turn velocity to 100 %
drive forward for 250 mm
turn right for 90 degrees
drive forward for 200 mm
broadcast message1
drive forward for 200 mm
wait 0.5 seconds
drive reverse for 200 mm
turn right for 80 degrees
drive forward for 275 mm
turn right for 90 degrees
drive forward for 100 mm
spin ArmMotorGroup up for 180 degrees
spin ArmMotorGroup up for 90 degrees
drive forward for 75 mm
spin IntakeMotorGroup outtake for 100 degrees
spin ArmMotorGroup up for 45 degrees
drive forward for 50 mm
spin IntakeMotorGroup outtake for 90 degrees
drive reverse for 36 inches
turn right for 100 degrees
drive forward for 25 inches
spin ArmMotorGroup down for 180 degrees
spin ArmMotorGroup down for 90 degrees
drive forward for 100 mm
broadcast message1
drive forward for 5 inches
drive reverse for 31 inches
turn left for 105 degrees
drive forward for 34 inches
spin ArmMotorGroup up for 90 degrees
spin ArmMotorGroup up for 90 degrees
spin ArmMotorGroup up for 90 degrees
drive forward for 50 mm
spin IntakeMotorGroup outtake for 100 degrees
spin ArmMotorGroup up for 45 degrees
wait 1 seconds
spin ArmMotorGroup down for 90 degrees
spin ArmMotorGroup down for 90 degrees
spin ArmMotorGroup down for 180 degrees
turn right for 100 degrees
drive forward for 100 mm
broadcast message1
drive forward for 200 mm
drive forward for 20 inches
turn left for 40 degrees
drive forward for 200 mm
spin ArmMotorGroup up for 90 degrees
spin ArmMotorGroup up for 90 degrees
spin ArmMotorGroup up for 90 degrees
spin IntakeMotorGroup outtake for 180 degrees
drive forward for 30 mm
turn right for 120 degrees
spin ArmMotorGroup down for 270 degrees
turn right for 10 degrees
drive forward for 300 mm
drive reverse for 200 mm
turn left for 90 degrees
drive forward for 100 mm
turn right for 90 degrees
spin ArmMotorGroup up for 180 degrees
drive forward for 59 inches

```

when I receive **message1** ▼

spin **IntakeMotorGroup** ▼ **intake** ▼ for **180** **degrees** ▼