

```
when started
  Velocity
  set ArmMotorGroup velocity to 500 %
  set drive velocity to 500 %
  set turn velocity to 500 %
  set IntakeMotorGroup velocity to 500 %
  Green Block 1/Knock Off Red
  spin IntakeMotorGroup Intake for 90 degrees
  turn right for 90 degrees
  drive forward for 500 mm
  turn left for 180 degrees
  drive forward for 505 mm
  spin ArmMotorGroup to position 300 degrees
  drive forward for 10 mm
  turn left for 15 degrees
  spin IntakeMotorGroup outtake for 90 degrees
  wait 0.5 seconds
  Green Block 2
  turn right for 105 degrees
  spin ArmMotorGroup to position 0 degrees
  drive forward for 200 mm
  spin IntakeMotorGroup Intake for 90 degrees
  drive reverse for 200 mm
  turn left for 100 degrees
  spin ArmMotorGroup to position 300 degrees
  drive forward for 10 mm
  spin IntakeMotorGroup outtake for 90 degrees
  wait 0.5 seconds
  Green Block 3/Knock Off Red
  turn right for 102 degrees
  spin ArmMotorGroup to position 0 degrees and don't wait
  drive forward for 400 mm
```

```
when started
  forever
    if FrontOptical detects red ? then
      spin IntakeMotorGroup to position 10 degrees
      spin IntakeMotorGroup outtake for 90 degrees
      spin IntakeMotorGroup to position 0 degrees
```

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```
spin IntakeMotorGroup Intake for 95 degrees
turn right for 90 degrees
drive forward for 200 mm
turn left for 90 degrees
drive forward for 550 mm
turn left for 90 degrees
drive forward for 400 mm
turn right for 90 degrees
spin ArmMotorGroup to position 310 degrees
drive forward for 380 mm
turn left for 45 degrees
spin IntakeMotorGroup outtake for 135 degrees
wait 0.5 seconds
Green Block 4/Knock Off Red
turn left for 145 degrees
spin ArmMotorGroup to position 0 degrees
drive forward for 300 mm
spin IntakeMotorGroup Intake for 90 degrees
turn right for 165 degrees
spin ArmMotorGroup to position 300 degrees
drive forward for 300 mm
spin IntakeMotorGroup outtake for 90 degrees
wait 0.5 seconds
Green Block 5
drive reverse for 210 mm
turn right for 115 degrees
spin ArmMotorGroup to position 0 degrees
drive forward for 500 mm
spin IntakeMotorGroup Intake for 90 degrees
drive forward for 350 mm
turn left for 25 degrees
turn right for 40 degrees
```

```
drive forward for 525 mm
turn right for 65 degrees
spin ArmMotorGroup to position 300 degrees
drive forward for 525 mm
turn left for 15 degrees
spin IntakeMotorGroup outtake for 90 degrees
wait 0.5 seconds
Green Block 6
turn right for 150 degrees
spin ArmMotorGroup to position 0 degrees
drive forward for 300 mm
spin IntakeMotorGroup intake for 90 degrees
turn right for 235 degrees
spin ArmMotorGroup to position 300 degrees
drive forward for 200 mm
turn left for 90 degrees
drive forward for 400 mm
turn right for 70 degrees
spin IntakeMotorGroup outtake for 90 degrees
wait 0.5 seconds
Park
turn left for 165 degrees
spin ArmMotorGroup to position 40 degrees
forever
drive forward for 300000 mm
spin IntakeMotorGroup intake for 460 degrees
```