

Video: <https://youtu.be/VoGSHKmmEBg>

when started  
Program starting  
code

define code  
goes to all the triballs code

First Triball  
second triball  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14

define First Triball

spin ArmMotor down

This will bring the Arm down

drive forward for 1400 mm

turn left for 90 degrees

spin IntakeMotor outtake

wait until not Optical found an object?

score triball

define second triball

spin IntakeMotor intake

turn right for 90 degrees

spin IntakeMotor intake

get triball

wait until Optical found an object?

turn left for 90 degrees

spin IntakeMotor outtake

wait until not Optical found an object?

score triball

```
define 3
  turn to heading 0 degrees
  drive forward for 1500 mm
  spin IntakeMotor intake
  turn right for 90 degrees
  drive forward for 2000 mm
  turn right for 60 degrees
  set Total_Distance to 500
  place triball
```

```
define 4
  turn left for 130 degrees
  spin IntakeMotor intake
  drive forward for 320 mm
  wait until Optical found an object?
  turn right for 160 degrees
  spin IntakeMotor outtake
  drive forward for 400 mm
  wait until not Optical found an object?
```

```
define 5
  turn to heading -80 degrees
  spin IntakeMotor intake
  drive forward for 1210 mm
  wait until Optical found an object?
  turn to heading 130 degrees
  set Total_Distance to 890
  place triball
```

```
define 6
  turn to heading -85 degrees
  spin IntakeMotor intake
  drive forward for 750 mm
  wait until Optical found an object?
  turn to heading 110 degrees
  set Total_Distance to 800
  place triball
```

```
define 7
  turn to heading -105 degrees
  spin IntakeMotor intake
  drive forward for 800 mm
  wait until Optical found an object?
  turn to heading 90 degrees
  set Total_Distance to 800
  place triball
```

```
define 8
  turn to heading -125 degrees
  spin IntakeMotor intake
  drive forward for 900 mm
  wait until Optical found an object?
  turn to heading 90 degrees
  set Total_Distance to 900
  place triball
```

```
define 9
  turn to heading -120 degrees
  spin IntakeMotor intake
  drive forward for 830 mm
  wait until Optical found an object?
  turn to heading 50 degrees
  set Total_Distance to 800
  place triball
```

```
define 10
  turn to heading 145 degrees
  spin IntakeMotor intake
  drive forward for 1200 mm
  wait until Optical found an object?
  turn to heading 5 degrees
  spin IntakeMotor outtake
  drive forward for 355 mm
  wait 0.4 seconds
  drive reverse for 80 mm
  wait until not Optical found an object?
  special
```

```
define 11
  turn to heading -110 degrees
  spin IntakeMotor intake
  drive forward for 1150 mm
  wait until Optical found an object?
  turn to heading 50 degrees
  set Total_Distance to 900
  place triball
```

```
define 12
  turn to heading -90 degrees
  spin IntakeMotor intake
  drive forward for 1700 mm
  turn to heading -130 degrees
  drive forward for 1000 mm
  wait until Optical found an object?
  turn to heading 45 degrees
  drive forward for 1500 mm
  turn to heading 90 degrees
  set Total_Distance to 800
  place triball
```

```
define 13
  turn to heading -68 degrees
  spin IntakeMotor intake
  drive forward for 730 mm
  wait until Optical found an object?
  turn to heading 100 degrees
  set Total_Distance to 1100
  place triball
  wait until not Optical found an object?
```

```
define 14
  turn to heading -100 degrees
  spin IntakeMotor intake
  drive forward for 950 mm
  turn to heading -132 degrees
  drive forward for 1700 mm
  wait until Optical found an object?
  turn to heading 45 degrees
  drive forward for 1500 mm
  turn to heading 90 degrees
  set Total_Distance to 1300
  place triball
  wait until not Optical found an object?
```