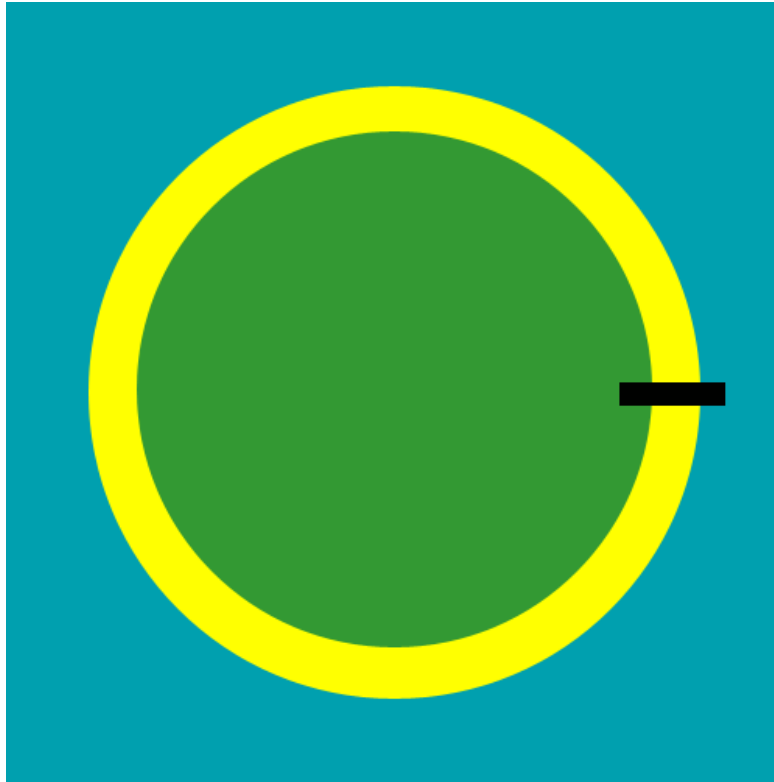# Robotics Mini Project

Aim: Create a robot which will move only on yellow path in given image.

<u>Code: moveOnYellowPath.java</u>

```
import ch.aplu.robotsim.*;

public class moveOnYellowPath {

    public moveOnYellowPath() {
        LegoRobot robot = new LegoRobot();
        Gear g = new Gear();
        LightSensor ls = new
LightSensor(SensorPort.S3);
```

```java
        robot.addPart(g);
        robot.addPart(ls);

        g.setSpeed(50);
        g.forward();

        while(true) {
            int value = ls.getValue();
            if(value >= 1000)
                g.forward();
            if(value < 1000)
                g.left();
            if(value < 100)
                g.stop();
        }
    }

    static {
        RobotContext.setStartPosition(430, 230);

RobotContext.useBackground("sprites/yellowpath.gif");
    }

    public static void main(String[] args) {

        moveOnYellowPath robo = new moveOnYellowPath();

    }
}
```

Output: