

```
1  from threading import Thread
2
3
4  class solarRun(Thread):
5      def __init__(self, config):
6          self.config = config
7          self.drive = config.drive
8          # self.xlift = config.xlift
9          self.wait = config.timer.wait
10
11     def run(self):
12         self.drive.setHead(-90)
13         self.drive.moveDist(350)
14         self.drive.turnTo(-67)
15         self.drive.moveDist(300, heading=-67)
16
17         self.drive.moveLight(self.config.Llight, [0, 5])
18         self.drive.turnTo(-90)
19         self.drive.lineReset()
20         self.drive.setHead(-90)
21
22         self.drive.moveDist(70, heading=-90)
23         self.drive.spinTo(180)
24         self.drive.moveLight(self.config.Llight, [0, 5], heading=180)
25         self.drive.moveDist(-360, heading=180)
26
27         self.config.LMmotor.run_angle(800, 1000)
28
29         self.drive.moveDist(-90, heading=180)
30         self.drive.spinTo(-90)
31         self.drive.moveDist(120, heading=-90)
32
33         Thread(target=self.config.LMmotor.run_angle, args=[800, -1000]).start()
34         self.config.RMmotor.run_angle(10000, 3400)
35
36         self.drive.lineFollower(distance=300, mode=2,
37                                 speed=140, kp=0.3, ki=0, kd=0)
38
39         self.config.RMmotor.run_angle(10000, -2000)
40
41         self.drive.lineFollower(mode=2, speed=140, kp=0.3, ki=0, kd=0)
42         self.drive.setHead(-90)
43         self.drive.moveDist(20)
44
45         Thread(target=self.config.RMmotor.run_angle,
46               args=[10000, -1500]).start()
47
48         for _ in range(0, 3):
49             self.config.LMmotor.run_angle(800, 700)
50             self.config.LMmotor.run_angle(800, -700)
51
52         self.drive.moveDist(-40)
53
54         self.drive.turnTo(-140)
55         self.drive.moveDist(600, down=False, turn=False, heading=-155)
56
57         self.config.state.setState(1)
58
```