

```

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(-74)
13         self.drive.moveDist(550)
14         self.drive.moveLight(self.config.Llight, [0, 5])
15         self.drive.turnTo(-90)
16         self.drive.lineReset()
17         self.drive.setHead(-90)
18
19         self.drive.moveDist(70, heading=-90)
20         self.drive.spinTo(180)
21         self.drive.moveLight(self.config.Llight, [0, 5], heading=180)
22         self.drive.moveDist(-400, heading=180)
23
24         self.config.LMmotor.run_angle(800, 1000)
25
26         self.drive.moveDist(-60, heading=180)
27         self.drive.spinTo(-90)
28         self.drive.moveDist(100, heading=-90)
29
30         Thread(target=self.config.LMmotor.run_angle, args=[800, -1000]).start()
31         self.config.RMmotor.run_angle(10000, 3500)
32
33         self.drive.lineFollower(distance=300, mode=2,
34                                 speed=140, kp=0.3, ki=0, kd=0)
35
36         self.config.RMmotor.run_angle(10000, -2000)
37
38         self.drive.lineFollower(mode=2, speed=140, kp=0.3, ki=0, kd=0)
39         self.drive.setHead(-90)
40         self.drive.moveDist(20)
41
42         Thread(target=self.config.RMmotor.run_angle,
43               args=[10000, -1500]).start()
44
45         for _ in range(0, 3):
46             self.config.LMmotor.run_angle(800, 1000)
47             self.config.LMmotor.run_angle(800, -1000)
48
49         self.drive.moveDist(-40)
50
51         self.drive.turnTo(-140)
52         self.drive.moveDist(600, down=False, heading=-140)
53
54         self.config.state.setState(1)
55

```