

innoBot inb Code

1

2 TCRT5000

```
3 Sub main()  
4   Dim temp As Byte  
5   Do  
6     temp = In(0)  
7     Debug "Input Signal = ", Temp, CR  
8     Pause 100  
9   Loop  
10 End Sub
```

11 ServoRunner8

```
12 Peripheral mySer As servoRunner8 @ 15
```

13

14

```
15 Sub Main()  
16   mySer.SetPosOffset(1,0)  
17   mySer.SetPosAndRun(1,1600)  
18  
19   mySer.SetPosOffset(2,0)  
20   mySer.SetPosAndRun(2,1450)  
21 End Sub
```

22

23 FollowLine

```
24 Peripheral mySer As servoRunner8 @ 15
```

25

26

```
27 Sub Main()  
28   Dim TCRT_Right As Byte  
29   Dim TCRT_Center As Byte  
30   Dim TCRT_Left As Byte  
31  
32   mySer.SetPosOffset(1,0)  
33   mySer.SetPosOffset(2,0)  
34   Do  
35     TCRT_Right = In(0)  
36     TCRT_Center = In(1)  
37     TCRT_Left = In(2)
```

```
38     Debug "L,C,R: ", TCRT_Left, TCRT_Center, TCRT_Right, CR
39
40     If TCRT_Right=1 Then
41         mySer.SetPosAndRun(1,1500)
42         mySer.SetPosAndRun(2,1450)
43     ElseIf TCRT_Left=1 Then
44         mySer.SetPosAndRun(1,1600)
45         mySer.SetPosAndRun(2,1500)
46     Else
47         mySer.SetPosAndRun(1,1600)
48         mySer.SetPosAndRun(2,1450)
49     End If
50     Pause 100
51 Loop
52 End Sub
```