

```
1 public class HorizontalMovingActor extends Actor implements Runnable {
2     protected Terminal<Boolean> left=new Terminal<Boolean>(false);
3     protected Terminal<Boolean> right=new Terminal<Boolean>(false);
4     protected int leftSpeed=1;
5     protected int rightSpeed=1;
6
7     public HorizontalMovingActor(JSONObject src) {
8         super(src);
9         if (!src.isNull("leftSpeed"))
10             leftSpeed=src.getInt("leftSpeed");
11         if (!src.isNull("rightSpeed"))
12             rightSpeed=src.getInt("rightSpeed");
13     }
14
15     public Terminal getTerminal(String terminalName) {
16         if (terminalName.equals("left"))
17             return left;
18         else
19             if (terminalName.equals("right"))
20                 return right;
21             else
22                 return super.getTerminal(terminalName);
23     }
24
```

C:/nqCbtp/JavaApplication8/src/Terminal.java

```
25 void run() {
26     for (;;) {
27         if (left.read() && !right.read()) {
28             x=x-leftSpeed;
29         } else
30             if (!left.read() && right.read()) {
31                 x=x+rightSpeed;
32             }
33         try {
34             java.lang.Thread.sleep(samplingTime);
35         }
36         catch (Exception e) {
37             println(e);
38         }
39     }
40 }
41 }
```