```
 1  /**********************************************
 2  *   TerminalBoard
 3  **********************************************/
 4 class TerminalBoard implements Runnable {
 5    private TerminalConnecor[] terminals;
 6   TerminalBoard(JSONArray jterminals) {
 7     terminals= new TerminalConnecor[jterminals.size()];
 8     for (int i=0; i<jterminals.size(); i++) {
 9       JSONObject jLink=jterminals.getJSONObject(i);
10       String providerActor=jLink.getJSONObject("provider").getString("actor");
11       String providerTerminal=jLink.getJSONObject("provider").getString("terminal");
12       String consumerActor=jLink.getJSONObject("consumer").getString("actor");
13       String consumerTerminal=jLink.getJSONObject("consumer").getString("terminal");
14       int providerIndex=actorsIndex.get(providerActor);
15       int consumerIndex=actorsIndex.get(consumerActor);
16       boolean normalyClosed=false;
17       boolean activeLow=false;
18       if (!jLink.getJSONObject("provider").isNull("normalyClosed"))
19         normalyClosed=jLink.getJSONObject("provider").getBoolean("normalyClosed");
20       if (!jLink.getJSONObject("consumer").isNull("activeLow"))
21         activeLow=jLink.getJSONObject("consumer").getBoolean("activeLow");
22       Actor provider=actorsContainer.get(providerIndex);
23       Actor consumer=actorsContainer.get(consumerIndex);
24       Terminal providerSignal=provider.getTerminal(providerTerminal);
```

```java
25        Terminal consumerSignal=consumer.getTerminal(consumerTerminal);
26        if (providerSignal.getType().equals("Boolean"))
27          terminals[i]=new TerminalConnecor(providerSignal, normalyClosed,
consumerSignal, activeLow);
28        else
29          terminals[i]=new TerminalConnecor(providerSignal, consumerSignal);
30      }
31    }
32
33  void run() {
34    for (;; ) {
35      for (int i=0; i<terminals.length; i++)   terminals[i].transmit();
36      try {
37        java.lang.Thread.sleep(samplingTime);
38      }
39      catch (Exception e) {
40        println(e);
41      }
42    }
43  }
44 }
```