

```
1  class AccountMonitor
2  {
3      private:
4          Condition insufficientFunds;
5          Mutex m;
6          double balance;
7      public:
8          void withdraw(double s) {
9              m.lock();
10             if(balance < s)
11                 {
12                     m.unlock();
13                     insufficientFunds.wait();
14                     m.lock();
15                 }
16
17             balance -= s;
18
19             m.unlock();
20         }
21
22         void deposit(double s) {
23             m.lock();
24             balance += s;
25             insufficientFunds.signal();
26             m.unlock();
27         }
28     };
```