

### Description d'un système de transactions bancaires :

1           The Bank Accounts and Transactions (BAT for short) system is to be  
2 built for the Big Bank Corporation. It must handle clients' bank accounts and  
3 the (standard) services on these accounts : deposit, withdraw, transfer, get  
4 balance.

5           The transactions are recorded, because at the end of each month, the  
6 system sends out account statements to all clients showing all transactions  
7 performed for their accounts during the last period; the system sends the  
8 statements to the printer from where a junior clerk posts them.

9           The system is accessed by the bank's clients only indirectly, i.e., either via  
10 a teller, an ATM, or the Internet. All transactions and queries are possible via  
11 a teller ; all transactions and queries are possible except deposits via an ATM ;  
12 and all except deposits and withdrawals via the Internet.

13           Opening an account can be performed only via a teller and the Internet ;  
14 however, if clients open accounts via the Internet they must identify themselves  
15 with a teller to have their accounts activated (this is government policy to  
16 avoid money laundering, e.g.).

17           Closing an account can only be performed by a teller, and it requires a  
18 final statement to be sent out to the client. The Bank offers various account  
19 types, which fall into two categories : savings and checking. Savings accounts  
20 cannot be overdrawn. There can be a credit limit, subject to agreement by the  
21 bank, on checking accounts ; a checking account cannot be overdrawn beyond  
22 this limit.