

**STA Online Computer Programming Contest (DWITE)**  
**February 2004**

**Problem 1**

**Least Number of Bills and Coins**

Your job in this program is to calculate the least number of bills and coins that you would receive in change from a store clerk.

For this particular program the only valid bills and coins are as follows:

- \$20.00 bill
- \$10.00 bill
- \$5.00 bill
- \$2.00 coin (twoney)
- \$1.00 coin (looney)
- 25¢ coin (quarter)
- 10¢ coin (dime)
- 5¢ coin (nickle)
- 1¢ coin (penny)

Note: There are, of course, larger bills and also the 50¢ coin available in the Canadian monetary system, but they are not include in this problem, since they are not frequently returned as change.

The input file (DATA1) will contain five lines of data. Each line will contain a real amount,  $a$ , that represents the amount of change in dollars and cents that you would receive.  $0 \leq a < 1000$ .

The output file (OUT1) will contain five lines of data, corresponding to each line of the input file. Each line will contain the least number of bills and/or coins that would make up the amount of change.

**Sample Input (Only three lines given)**

2.25  
0.79  
5.23

**Sample Output**

2  
7  
6