**XX. Creating Money**

# Program Name: Money.java Input File: money.dat

It’s another early morning in Mr. Schrollman’s Macroeconomics class, and today he has tasked Willy to determine the change in direct deposits and the money supply. He has given Willy a formula sheet to solve the problems correctly. However, Willy isn’t good at math, and he needs a program to take the data and find the solutions.

The following formulas are what Willy was given to solve the problems:

# Input

The first line will contain an integer N which represents the number of test cases to follow.

The following N test cases will each be one line containing an integer D and decimal R, where 0<R<=1, representing the deposit or withdrawal (D) and the reserve requirement (RR), respectively.

**Output**

First, calculate and print the net change in direct deposits on the economy.

If the amount of direct deposits increases, print: “DD INCREASE: $X” where X represents the change.

If the amount of direct deposits decreases, print: “DD DECREASE: $X” where X represents the change.

On a separate line, print the net change in the money supply on the economy.

If the money supply increases, print: “MONEY INCREASE: $X” where X represents the change.

If the money supply decreases, print: “MONEY DECREASE: $X” where X represents the change.

Round all outputs to two decimal places. All increases or decreases will be less than 2^32-1.

**Example Input File**

4

100 .1

200 .5

400 .2

-600 .25

**Example Output to Screen**

DD INCREASE: $1000.00

MONEY INCREASE: $900.00

DD INCREASE: $400.00

MONEY INCREASE: $200.00

DD INCREASE: $2000.00

MONEY INCREASE: $1600.00

DD DECREASE: $2400.00

MONEY DECREASE: $1800.00