
9. Savings

Program Name: Savings.java

Input File: savings.dat

South Star Bank has a debit card program that automatically deposits money from your checking account into your savings account. Each time you use your debit card, if the amount of your purchase is not a whole dollar amount, the bank charges your checking account the next highest dollar amount over the amount of your purchase and deposits the difference between the amount of your purchase and the next highest dollar amount to your saving account.

For example, your purchase is for \$8.15. The next highest dollar amount is \$9.00 and that amount will be deducted from your checking account. The difference between \$8.15 and \$9.00 is 85 cents so 85 cents will be deposited into your savings account. If your purchase is \$12.00, that is a whole dollar amount and no money would be deposited into your savings.

You are to determine the total amount of money that will be deposited into your savings account after a series of purchases.

Input

The input file contains an unknown number of lines. Each line in the input file will have the amount of a single purchase.

Output

Print the total amount of money that will be placed in your savings account. There must be a leading dollar sign and the amount rounded to the nearest penny. You may assume the amount will be more than one dollar.

Example Input File

```
12.34
34.78
8.01
```

Example Output to Screen

```
$1.87
```