Problem A - Bagels

Time limit: 1 second

Jack has recently become obsessed with bagels, and wants to buy all the bagels in his neighbourhood. The cheapest bagel is free, since he found it was leftover from his meals, and the most expensive bagel is $100.99, since it comes with a few pounds of extra cheese on top.

Jack has determined that there are exactly n bagels in his neighbourhood, each labelled from 1 to n, and he plans to purchase all of them. The ith bagel has price a_i. Jack is interested in the average price of the bagels he will purchase.

Input

The first line contains an integer $1 \leq T \leq 1000$, denoting the number of test cases.

Each test case consists of a single line that begins with an integer $1 \leq n \leq 100$, the number of bagels Jack will order.

This is followed by n floating point numbers specified to **two** decimal places, $0.00 \leq a_1, \ldots, a_n \leq 100.99$, representing the cost for each bagel.

Output

For each test case, output the average of the prices rounded to **two** decimal places in a separate line. Round up if the 3rd decimal place of the average is 5-9, and round down otherwise.

Sample Input

```
2
1 1.00
8 96.01 75.73 54.88 49.12 44.20 76.87 45.32 14.00
```

Sample Output

```
1.00
57.02
```