

12 Tracking student's progress

5 points

Introduction

Every quarter your teacher collects the student's notes of the every class where he teaches. He reviews the results and compare the different classes he is teaching. This way he can improve his lessons. To avoid doing this task manually with a pocket calculator you can help him by creating a program. This program should find out the number of students that is below the average grade. Beware that the student's notes can be written with decimal number, as in real life.

Input

The input consists of several lines containing the student's notes of the whole class expressed in decimal format.

Output

Print out the number of students below the average.

Example

Input

```
8
0
4.3
6.5
4.7
```

Output

```
2
```