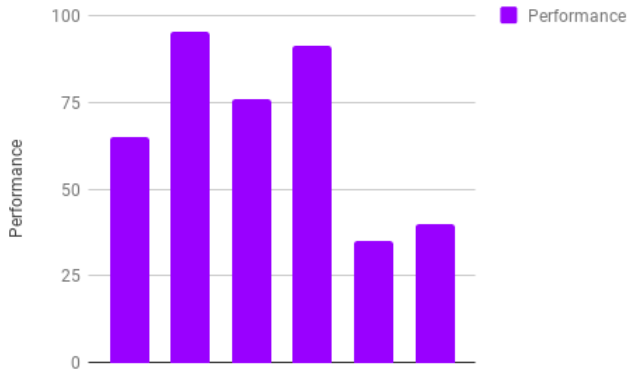
The Average Rating of Top Employees

The general manager of Byteland Company has decided to rate all of the employees for their performance during this year. The rating will be a score in the range of 90 - 100 (inclusive) points. The manager wants to compute the average rating of all employees whose rating is greater or equal to 90 since he wants to give them a bonus for their good performance.



Complete the function `averageOfTopEmployees` which takes in an integer array $rating$ denoting the ratings of the employees and prints the average rating of employees who will get a bonus, with exactly 2 digits after the decimal point, rounded up.

Input Format

The first line contains a single integer n denoting the number of employees in the Byteland Company. Then, n lines follow. The i^{th} of them contains a single integer $rating_i$ denoting the rating of the i^{th} employee.

Constraints

- $5 \leq n \leq 200$
- $0 \leq rating_i \leq 100$
- It's guaranteed that there is at least one employee with a rating ≥ 90

Output Format

Print a single line containing a real number denoting the average rating of employees who will get a bonus. This number has to have *exactly* 2 digits after the decimal point, rounded up. (For example, 95.345 should be rounded to 95.35.)

Sample Input 0

```
5
84
92
61
50
95
```

Sample Output 0

```
93.50
```

Explanation 0

There are only two employees whose rating is equal or greater to 90. They are the only ones who are getting a bonus. Computing the average, we get:

$$(92 + 95)/2 = 93.50$$