

Lương trước thuế

ABC Company pays seasonal salary for employees. However, the company must help the employee to pay income tax, so the salary the employee receives is the after-tax income. Know that the tax rate is 10%. Calculate the tax of each employee.

Input

The first line is the number of people n

Each line in the next n lines contains an integer which is after-tax income

Output

n lines, each line is the amount of tax the company has to pay its employees

Example

Input:

3
9
99.9
18.0

Output:

1.0
11.1
2.0