

Problem E. Salary

Time limit 1000 ms
Code length Limit 50000 B
OS Linux

A company follows the following salary structure for its employees:

- 1) If an employee's basic salary is less than Rs. 1500, then their House Rent Allowance (HRA) is 10% of the base salary, and their Dearness Allowance (DA) is 90% of the base salary.
- 2) If an employee's basic salary is Rs. 1500 or more, then their HRA is Rs. 500, and their DA is 98% of the base salary.

Write a program that takes an employee's salary as input and calculates their gross salary, which is the sum of their basic salary, HRA, and DA.

Input

The first line contains an integer **T**, total number of testcases. Then follow **T** lines, each line contains an integer **salary**.

Output

For each test case, output the gross salary of the employee in a new line. Your answer will be considered correct if the absolute error is less than 10^{-2} .

Constraints

- $1 \leq T \leq 1000$
- $1 \leq \text{salary} \leq 100000$

Sample 1

Input	Output
3	2406.00
1203	20383.16
10042	2624
1312	