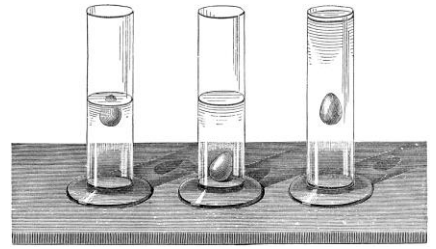


Problem 70: Manipulation for Mass

Difficulty: Easy

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Problem Background

Raphael is trying to find the mass of certain objects, but he doesn't have access to a scale. Oh no! Raphael, however, remembers his chemistry teacher once explaining how you can find the mass of an object using density and volume. Raphael has the density and volume of each of his objects, yet he can't seem to remember how to relate the two to find mass.

Problem Description

Using the formula: $\text{Density} = \text{Mass} / \text{Volume}$

Write a program to find the mass of each of Raphael's objects.

Sample Input

The first line of your program's input, received from the standard input channel, will contain a positive integer representing the number of test cases. Each test case will include:

- The object's density followed by the object's volume separated by a single space.

```
4
5.00 3.75
6.00 2.00
18.00 3.01
57.30 9.02
```

Sample Output

Your program should print out the mass of each object rounded to two decimal places. Each number should have two decimal places even if it consists of trailing zeros.

```
18.75
12.00
54.18
516.85
```