

Problem AR. Total Expenses

Time limit 1000 ms
Code length Limit 50000 B
OS Linux

While purchasing certain items, a discount of 10% is offered if the quantity purchased is more than 1000.

If the quantity and price per item are input, write a program to calculate the total expenses.

Input Format

The first line contains an integer **T**, total number of test cases. Then follow **T** lines, each line contains integers **quantity** and **price**.

Output Format

For each test case, output the total expenses while purchasing items, in a new line.

Constraints

$$1 \leq T \leq 1000$$

$$1 \leq \text{quantity, price} \leq 100000$$

Sample 1

Input	Output
3 100 120 10 20 1200 20	12000.000000 200.000000 21600.000000