

# Total Expenses

Problem Code: **FLOW009**

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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.

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## Input

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

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## Output

Output the total expenses while purchasing items.

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## Constraints

- $1 \leq T \leq 1000$
  - $1 \leq \text{quantity}, \text{price} \leq 100000$
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## Example

### Input

```
3
100 120
10 20
1200 20
```

### Output

```
12000.000000
200.000000
21600.000000
```