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.

Input

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

Output

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

Constraints

- $1 \le T \le 1000$
- $1 \le$ **quantity,price** ≤ 100000

Example

Input

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

Output

```
12000.000000
200.000000
21600.000000
```

All submissions for this problem are available.

Author:	vicky002
Tags:	vicky002
Date Added:	27-04-2015
Time Limit:	1 secs
Source Limit:	50000 Bytes
Languages:	CPP14, C, JAVA, PYTH 3.6, PYTH, CS2, ADA, PYPY, PYP3, TEXT, PAS fpc, RUBY, PHP, NODEJS, GO, TCL, HASK, PERL, SCALA, BASH, JS, PAS gpc, BF, LISP sbcl, CLOJ, LUA, D, CAML, ASM, FORT, FS, LISP clisp, SCM guile, PERL6, CLPS, WSPC, ERL, ICK, NICE, PRLG, ICON, PIKE, SCM chicken, SCM qobi, ST, NEM

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