

## Merchant

Input File: merchant.txt

You are a merchant, planning on selling some very valuable goods, but you must sell your goods at the local price and pay the local tax. Given your amount of goods, the price at which you can sell them, and the tax rate, determine your revenue.

### Input:

The first line contains an integer  $N$ . The following  $N$  lines contain 2 space-separated integers and a double representing  $a$ ,  $p$ , and  $t$ , respectively.  $a$  represents the amount of goods you have.  $p$  represents the price per good that you can sell at.  $t$  represents the percentage of revenue that you must pay as tax.

### Output:

Output your revenue in each case. Your answer will be a double.

### Example Input:

```
3
1000 3 0.25
3 200 0.1
0 100 0.2
```

### Example Output:

```
2250.0
540.0
0.0
```