# Problem 1. Anonymous Downsite

The Anonymous informal group of activists have hacked a few commercial websites and the CIA has hired you to write a software which calculates the losses. Based on the given data, use the appropiate data types.

You will receive 2 input lines – each containing an integer.

* The first is N – the number of websites which are down.
* The second is the security key.

On the next N lines you will receive data about websites in the following format:  
{siteName} {siteVisits} {siteCommercialPricePerVisit}

You must calculate the site loss by the following formula: siteVisits \* siteCommercialPricePerVisit

When you finish reading all data, you must print the affected sites’ names – each on a new line.  
Then you must print the total money loss – sum of all site loss, on a new line.  
Finally you must print the security token, which is the security key, POWERED by the COUNT of affected sites.

### **Input**

* On the first input line you will get N – the count of affected websites.
* On the second input line you will get the security key.
* On the next N input lines you will get data about the websites.

### **Output**

* As output you must print all affected websites’ names – each on a new line.
* After the website names you must print the total loss of data, printed to the 20th digit after the decimal point. The format is “Total Loss: {totalLoss}”.
* Finally you must print the security token. The format is “Security Token: {securityToken}”.

### **Constrains**

* The integer N will be in range [0, 100].
* The security token will be in range [0, 10].
* The website name may contain any ASCII character except whitespace.
* The site visits will be an integer in range [0, 231].
* The price per visit will be a floating point number in range [0, 100] and will have up to 20 digits after the decimal point.
* Allowed working time/memory: 100ms / 16MB.

### **Examples**

|  |  |
| --- | --- |
| Input | Output |
| 3  8  www.google.com 122300 94.23233  www.abv.bg 2333 11  www.kefche.com 12322 23.3222 | www.google.com  www.abv.bg  www.kefche.com  Total Loss: 11837653.10740000000000000000  Security Token: 512 |
| 1  1  www.facebook.com 100000 10.45 | www.facebook.com  Total Loss: 1045000.00000000000000000000  Security Token: 1 |

*Remember, remember!*

*The fifth of November...*