# 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 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...*