# Problem 1. Charity Marathon

Every year a charity marathon takes place in your town in which all major companies are obliged to **make donations depending on the total kilometers ran by runners in a number of days**. And this year you have been chosen to create the software for it.

The **marathon can last for variable number days** and a **variable number of runners can participate** in it on a **track that can have a variable length**. However, the **track that can take only a limited number of runners per day**. If the runners that want to take part are more than the capacity, then the number of runners that will run will be **equal to the maximum capacity of the track**.

The **amount of money raised per kilometer is voted** in advance by all companies and the final money per kilometer is **calculated by an average of all votes**.

The goal is simple, create a program that calculates the total money raised through the marathon.

## Input

* On the first line of input you will get the **length of the marathon in days**
* On the second line of input you will get **the number of runners that will participate**
* On the third line you will get the **average number of laps every runner** makes
* On the fourth line you will get the **length of the track**
* On the fifth line you will get the **capacity of the track**
* On the sixth line you will get **the amount of money donated per kilometer**

## Output

* Print the money raised, **rounded by the second digit after the decimal point** from the charity marathon in the format: "**Money raised: {money}**"

## Constraints

* Marathon day count will be an integer in the range [0 … 365]
* Runner count will be an integer in the range [0 … 2,147,483,647]
* Average number of laps will be an integer in the range [0 … 100]
* Track length will be an integer in the range [0 … 2,147,483,647]
* Track capacity will be an integer in the range [0 … 1000]
* Money per kilometer will all be a floating point number

## Examples

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comments** |
| 2  50  2  400  30  3 | Money raised: 120.00 | The marathon runs for 2 days, with 50 runners that will make an average of 2 laps on a track that is long 400 meters.  The capacity of the track is 30 runners per day. So a total of 30 \* 2 = 60 maximum runners. But only 50 runners are listed, so 50 will run.  Total meters = 50 runners \* 2 laps \* 400 m = 40,000 m  Total kilometers = 40,000 m / 1,000 = 40 km  Money raised by kilometer = 3  Money raised for the marathon = 40 \* 3 = 120 |
| 1  50  10  400  1  2.5 | Money raised: 10.00 | The listed runners are 50, but the maximum capacity of the track is 1 runner per day and the marathon will last for 1 day. So 1 runner will run in total. |

365

2147483647

100

2147483647

1000

10