<https://softuni.bg/trainings/resources/video/51207/video-01-july-2020-ivaylo-papazov-js-fundamentals-may-2020/283>

<https://judge.softuni.bg/Contests/Practice/Index/2028#0>

**Problem 1. Bonus Scoring System**

Create a program that calculates **bonus points** for each **student**, for a certain **course**. On the first line, you are going to receive **the count of the students** for this course. **On the second line**, you will receive **the count of the lectures** in the course. Every course has **an additional bonus**. You are going to receive it **on the third line**. On the next lines, you will be receiving the **count of attendances** **for each student**.

The bonus is calculated with the following **formula**:

**{total bonus} = {student attendances} / {course lectures} \* (5 + {additional bonus})**

Find the student with the **maximum bonus** and print him/her, along with **his attendances** in the following format:

**"Max Bonus: {maxBonusPoints}."**

**"The student has attended {studentAttendances} lectures."**

Round the bonus points at the end to **the nearest bigger number**.

### Input / Constrains

* On the **first line** you are going to receive the count of the students – an integer number in the range [0…50]
* On the **second line** you are going to receive the count of the lectures – an integer number in the range [0...50].
* On the **third line** you are going to receive **the initial bonus** – an integer number in the range [0….100].
* **On the next lines**, you will be receiving the **attendances of each student**.
* There will **never** be **students with equal bonuses**.

### Output

* Print the maximum bonus points along with the attendances of the given student, **rounded** to the nearest **bigger** number, scored by a student in this course in the format described above.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| [  '5', '25', '30',  '12', '19', '24',  '16', '20'  ] | Max Bonus: 34.  The student has attended 24 lectures. |
| **Comments** | |
| First, we receive the **number of students** enrolled in the course – **5**. The total count of the lectures is **25** and the initial bonus is **30**. Then we calculate the bonus of the student with 12 attendances, which is **16.8**. We continue calculating **each of the student’s bonuses**. The one **with 24 attendances** has the **highest bonus – 33.6 (34 rounded)**, so we print the appropriate message on the console. | |
| [  '10', '30', '14', '8',  '23', '27', '28', '15',  '17', '25', '26', '5',  '18'  ] | Max Bonus: 18.  The student has attended 28 lectures. |