Problem 1 - Bonus Scoring System

Create a program that calculates **bonus points** for each **student** enrolled in a course. On the **first** line, you are going to receive **the number of the students**. On the **second** line, you will receive **the total number of lectures** in the course. The course has **an additional bonus**, which you will receive **on the third line**. On the following 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 them, along with **his attendances,** in the following format:

```
"Max Bonus: {max bonus points}."
"The student has attended {student attendances} lectures."
```

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

Input / Constrains

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

Output

- Print the **maximum bonus points** and the **attendances** of the given student, **rounded** to the nearest **larger** 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 additional 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.

JS Input / Output

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 additional 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.