

Description

My Submissions

Hints/Editorial

AC Submissions

My Notes (0)

Buy Maximum Objects II

? Ask Doubt

Time-Limit: 1 sec

Score: 100.00/100

Difficulty :

Memory: 256 MB

Accepted Submissions: 100

Relevant For:

AZ-201

Description

There are N objects, and each object has some price. The price of i th object is A_i .
You have been asked Q queries. In each query, you have been given total money M , and find the maximum number of objects that you can buy.

Input Format

The first line of each test case contains N , the number of objects, and Q , total queries.
The second line of each test case contains N space-separated integers A_1, A_2, \dots, A_N .
Next, Q lines contain a number M , the total money.

Output Format

For each query, print a single number in a new line representing the maximum objects that you can buy.

Constraints

$1 \leq N, Q \leq 10^5$
 $1 \leq A_i \leq 10^8$
 $1 \leq M \leq 10^8$

Sample Input 1

Copy

```
5 4
1 4 2 9 6
1
5
10
25
```

Sample Output 1

Copy

```
1
2
3
5
```

C++14[GCC] ▾

Submit

1

Typesetting math: 100%