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[All Contests](#) > [Projector Algo Base 7 HW #2](#) > [Raskin Bobbins](#)

Raskin Bobbins

Problem

Submissions

Each time Sunny and Johnny take a trip to the Raskin Bobbins, they pool together m dollars for ice cream. On any given day, the Raskin Bobbins offers a line of n flavors. Each flavor, i , is numbered sequentially with a unique ID number from 1 to n and has a cost, c_i , associated with it.

Given the value of m and the cost of each flavor for t trips to the Raskin Bobbins, help Sunny and Johnny choose two flavors such that they spend their entire pool of money (m) during each visit. For each trip to the Raskin Bobbins, print the ID numbers for the two types of ice cream that Sunny and Johnny purchase as two space-separated integers on a new line. You must print the smaller ID first and the larger ID second.

Note: Two ice creams having unique IDs i and j may have the same cost (i.e., $c_i \equiv c_j$).

Input Format

The first line contains an integer, t , denoting the number of trips to the Raskin Bobbins. The $3t$ subsequent lines describe all of Sunny and Johnny's trips to the Raskin Bobbins; each trip is described as follows:

The first line contains m .

The second line contains n .

The third line contains n space-separated integers denoting the cost of each respective flavor. The i^{th} integer corresponding to the cost, c_i , for the ice cream with ID number i (where $1 \leq i \leq n$).

Constraints

$$1 \leq t \leq 50$$

$$2 \leq m \leq 2 \cdot 10^5$$

$$2 \leq n \leq 10^5$$

$$1 \leq c_i \leq 2 \cdot 10^5, \text{ where } i \in [1, n]$$

It is guaranteed that there will always be a unique solution. The sum of all n -s in the input file will not exceed $5 \cdot 10^5$.

Output Format

Print two space-separated integers denoting the respective ID numbers for the flavors they choose to purchase, where the smaller ID is printed first and the larger ID is printed second. Recall that each ice cream flavor has a unique ID number in the inclusive range from 1 to n .

Sample Input 0

```
2
4
```

```
5
1 4 5 3 2
4
4
2 2 4 3
```

Sample Output 0

```
1 4
1 2
```

[f](#) [t](#) [in](#)

Contest ends in 7 days 6 hours 30 minutes 58 seconds

Submissions: 68

Max Score: 20

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[More](#)

C++

```
1 #include <cmath>
2 #include <cstdio>
3 #include <vector>
4 #include <iostream>
5 #include <algorithm>
6 using namespace std;
7
8
9 int main() {
10     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
11     return 0;
12 }
13
```

Line: 1 Col: 1

[Upload Code as File](#)

☐ Test against custom input

Run Code

Submit Code