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# Ice Cream Parlor



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Sunny and Johnny together have  $M$  dollars they want to spend on ice cream. The parlor offers  $N$  flavors, and they want to choose two flavors so that they end up spending the whole amount.

You are given the cost of these flavors. The cost of the  $i^{th}$  flavor is denoted by  $c_i$ . You have to display the indices of the two flavors whose sum is  $M$ .

## Input Format

The first line of the input contains  $T$ ;  $T$  test cases follow.

Each test case follows the format detailed below: The first line contains  $M$ . The second line contains  $N$ . The third line contains  $N$  space-separated integers denoting the price of each flavor. Here, the  $i^{th}$  integer denotes  $c_i$ .

## Output Format

Output two integers, each of which is a valid index of a flavor. The lower index must be printed first. Indices are indexed from 1 to  $N$ .

## Constraints

$$1 \leq T \leq 50$$

$$2 \leq M \leq 10000$$

$$2 \leq N \leq 10000$$

$$1 \leq c_i \leq 10000, \text{ where } i \in [1, N]$$

The prices of any two items may be the same and each test case has a unique solution.

## Sample Input

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

## Sample Output

```
1 4
1 2
```

## Explanation



The sample input has two test cases.



For the 1<sup>st</sup>, the amount  $M = 4$  and there are 5 flavors at the store. The flavors indexed at 1 and 4 sum up to 4.

For the 2<sup>nd</sup> test case, the amount  $M = 4$  and the flavors indexed at 1 and 2 sum up to 4.

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Java 8  

```
1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6     public static void main(String[] args) {
7         /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named
       Solution. */
8     }
9 }
```

Line: 1 Col: 1

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