# Ice Cream Parlor

HackerRank

**Problem Statement**

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**

$1 \le T \le 50$
$2 \le M \le 10000$
$2 \le N \le 10000$
$1 \le c$_{$i$} $\le 10000, where\ i \in [1, N]$
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$^{st}$, 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$^{nd}$ test case, the amount M = 4 and the flavors indexed at 1 and 2 sum up to 4.