Water

locked

Problem | Submissions | Leaderboard | Discussions

Problem Statement

You are given an array **H** representing the heights of **N** vertical lines positioned at equally spaced intervals along a two-dimensional plane. The i-th line's height is represented by the integer **H[i]** where 0 <= **i** < N and the height will be **unique**.

You need to find the two lines, such that together with the x-axis forms a container that can hold the most water in term of height.

Note: Print the left index first, then the right index.

Input Format

- First line will contain **T**, the number of test cases.
- First line of each test case will contain **N**.
- Second line of each test case will contain the array **H**.

Constraints

1. 1 <= **T** <= 1000
2. 2 <= **N** <= 10^5
3. 0 <= **H[i]** <= 10^9

Output Format

- Ouptut two integers, the index of those two lines that can contain the most water in term of height.

Sample Input 0

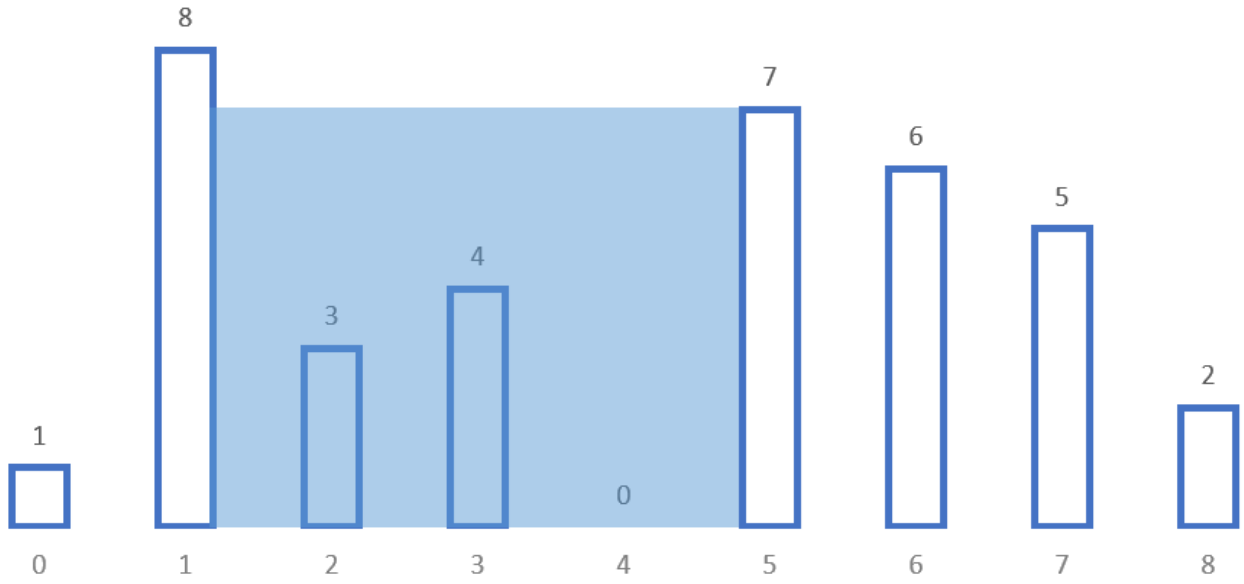
```
2
9
1 8 3 4 5 7 6 5 2
5
5 2 1 6 3
```

Sample Output 0

```
1 5
0 3
```

Explanation 0

```
In the first test case, you can choose index 1 and 5 that can hold the most water in height which is 7.
```



Submissions: 178
Max Score: 20
Difficulty: Easy

Rate This Challenge:

More

C++20

```cpp
#include <cmath>
#include <cstdio>
#include <vector>
#include <iostream>
#include <algorithm>
using namespace std;


int main() {
    /* Enter your code here. Read input from STDIN. Print output to STDOUT */
    return 0;
}
```

Line: 1 Col: 1

Upload Code as File Test against custom input Run Code Submit Code