

## Find Index

Given an unsorted array `Arr[]` of `N` integers and a `Key` which is present in this array. You need to write a program to find the **start index**( index where the element is first found from left in the array ) and **end index**( index where the element is first found from right in the array ).

### Input:

First line of input contains an integer `T` which denotes the number of test cases. First line of each test case contains a single integer `N` which denotes the number of elements in the array. Second line of each test case contains `N` space separated integers. Third line of each test case contains the key to be searched.

### Output:

For each test case print two space separated integers, first is the start index and second is the end index. If the key does not exist in the array then print -1 in this case.

### Constraints:

$$1 \leq T \leq 100$$

$$1 \leq N \leq 10^5$$

$$1 \leq \text{Arr}[i] \leq 10^4$$

### Example:

#### Input:

```
2
6
1 2 3 4 5 5
5
6
6 5 4 3 1 2
4
```

#### Output:

```
4 5
2 2
```