Stack Cars

Assignment 1
Data Structures
Due date: 10 January, 2019

Problem Statement: Ajay works at a scrapyard. He needs to stack cars in ascending order. He has n cars and k stacks. A section of his stack of size L between stack i and stack j is reversed. Ajay needs a crane to turn the stacks and rearrange them in ascending order. But he only wants to turn the stacks once. Help Ajay position his crane at start index i and end index j. Print the indexes i,j if there exists such a section. Else print NotPossible.

Input
First line contains the number of test cases T. Each of these T test cases have 1st line as the number of elements in array N, then in the next line there are N space separated numbers a_i.
Output
Output the positions i,j if possible. Else NotPossible.
Constraints
$1 \leq T \leq 15$
$1 \leq N \leq 100000$
$1 \leq a_i \leq 100000000$
Time Limit: 1 sec
Memory Limit: 256 MB

Sample Test Case

Input	Output
3 3 3 2 1 4 2 1 3 4 4 3 1 2 4	1 3 1 2 NotPossible