## 1082 - Array Queries

Given an array with N elements, indexed from 1 to N. Now you will be given some queries in the form I J, your task is to find the minimum value from index I to J.

## Input

Input starts with an integer  $T (\leq 5)$ , denoting the number of test cases.

The first line of a case is a blank line. The next line contains two integers N ( $1 \le N \le 10^5$ ), q ( $1 \le q \le 50000$ ). The next line contains N space separated integers forming the array. There integers range in  $[0, 10^5]$ .

The next q lines will contain a query which is in the form I J ( $1 \le I \le J \le N$ ).

## Output

For each test case, print the case number in a single line. Then for each query you have to print a line containing the minimum value between index I and J.

Sample Input	Output for Sample Input
2	Case 1:
	1
5 3	3
78 1 22 12 3	12
1 2	Case 2:
3 5	10
4 4	
1 1	
10	
1 1	

## **Note**

Dataset is huge. Use faster I/O methods.