Gaming Array 1

Andy wants to play a game with his little brother, Bob. The game starts with an array of distinct integers and the rules are as follows:

- Bob always plays first.
- In a single move, a player chooses the maximum element in the array. He removes it and all elements to its right. For example, if the starting array $arr = [2, 3, 5, 4, 1]$, then it becomes $arr' = [2, 3]$ after removing $[5, 4, 1]$.
- The two players alternate turns.
- The last player who can make a move wins.

Andy and Bob play g games. Given the initial array for each game, find and print the name of the winner on a new line. If Andy wins, print `ANDY`; if Bob wins, print `BOB`.

To continue the example above, in the next move Andy will remove 3. Bob will then remove 2 and win because there are no more integers to remove.

Function Description

Complete the *gamingArray* function in the editor below.

gamingArray has the following parameter(s):

- *int arr[n]:* an array of integers

Returns
- *string:* either `ANDY` or `BOB`

Input Format

The first line contains a single integer g, the number of games.

Each of the next g pairs of lines is as follows:

- The first line contains a single integer, n, the number of elements in arr.
- The second line contains n distinct space-separated integers $arr[i]$ where $0 \leq i < n$.

Constraints

- Array arr contains n distinct integers.

For 35% of the maximum score:

- $1 \leq g \leq 10$
- $1 \leq n \leq 1000$
- $1 \leq arr[i] \leq 10^5$

- The sum of n over all games does not exceed 1000.

For 100% of the maximum score:

- $1 \le g \le 100$
- $1 \le n \le 10^5$
- $1 \le a_i \le 10^9$
- The sum of n over all games does not exceed 10^5.