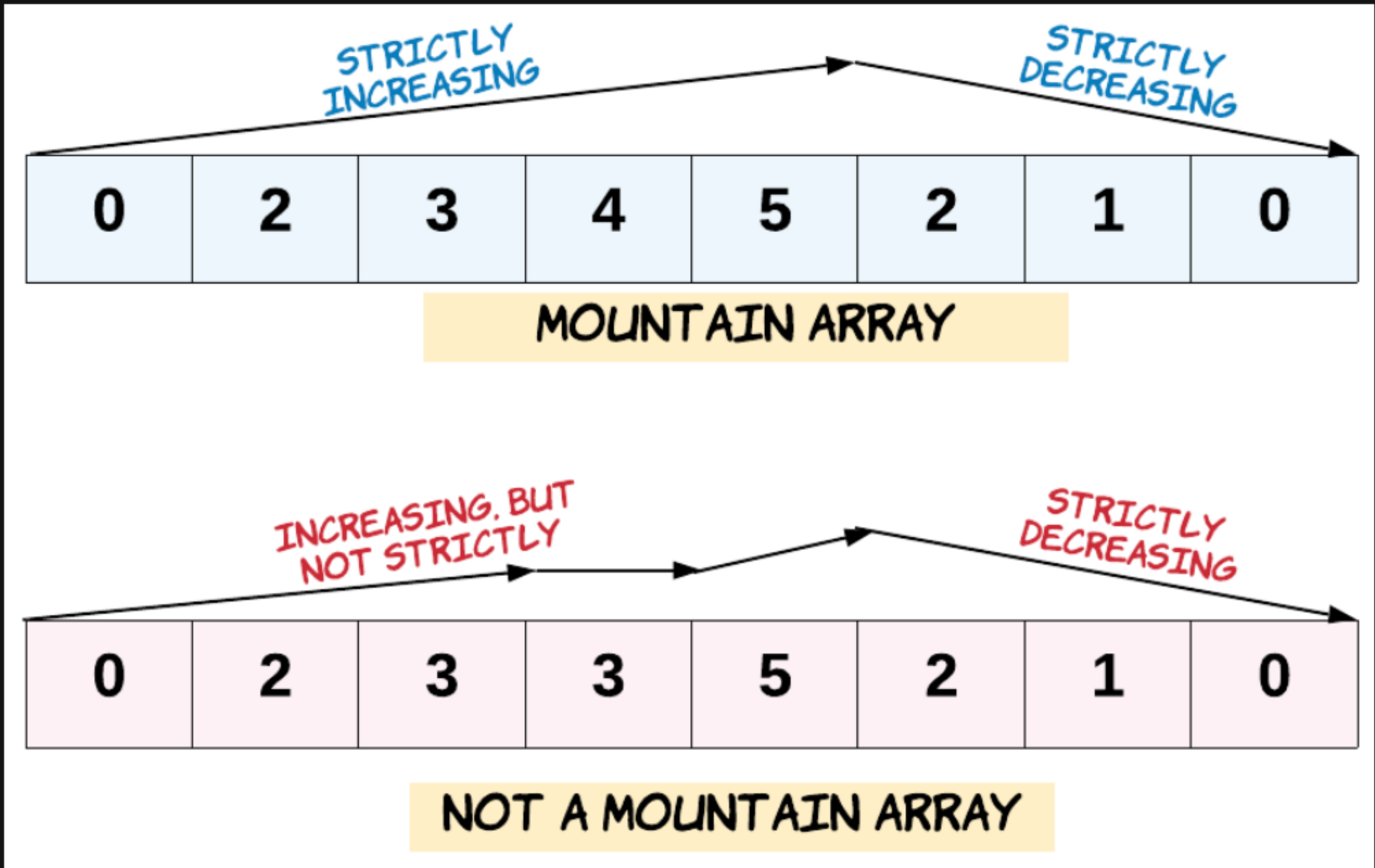# 941. Valid Mountain Array

Description

Given an array of integers `arr`, return `true` *if and only if it is a valid mountain array*.

Recall that arr is a mountain array if and only if:

- `arr.length >= 3`
- There exists some `i` with `0 < i < arr.length - 1` such that:
  - `arr[0] < arr[1] < ... < arr[i - 1] < arr[i]`
  - `arr[i] > arr[i + 1] > ... > arr[arr.length - 1]`

Example 1:

```
Input: arr = [2,1]
Output: false
```

Example 2:

```
Input: arr = [3,5,5]
Output: false
```

Example 3:

```
Input: arr = [0,3,2,1]
Output: true
```

Constraints:

- $1 <= arr.length <= 10^4$
- $0 <= arr[i] <= 10^4$