Let's call an array A a *mountain* if the following properties hold:

* A.length >= 3
* There exists some 0 < i < A.length - 1 such that A[0] < A[1] < ... A[i-1] < A[i] > A[i+1] > ... > A[A.length - 1]

Given an array that is definitely a mountain, return any i such that A[0] < A[1] < ... A[i-1] < A[i] > A[i+1] > ... > A[A.length - 1].

**Example 1:**

**Input:** [0,1,0]

**Output:** 1

**Example 2:**

**Input:** [0,2,1,0]

**Output:** 1

**Note:**

1. 3 <= A.length <= 10000
2. 0 <= A[i] <= 10^6
3. A is a mountain, as defined above.