55. Jump Game

You are given an integer array nums. You are initially positioned at the array's **first index**, and each element in the array represents your maximum jump length at that position.

Return true if you can reach the last index, or false otherwise.

Example 1:

```
Input: nums = [2,3,1,1,4]
Output: true
Explanation: Jump 1 step from index 0 to 1, then 3 steps to the last
```

index.

Example 2:

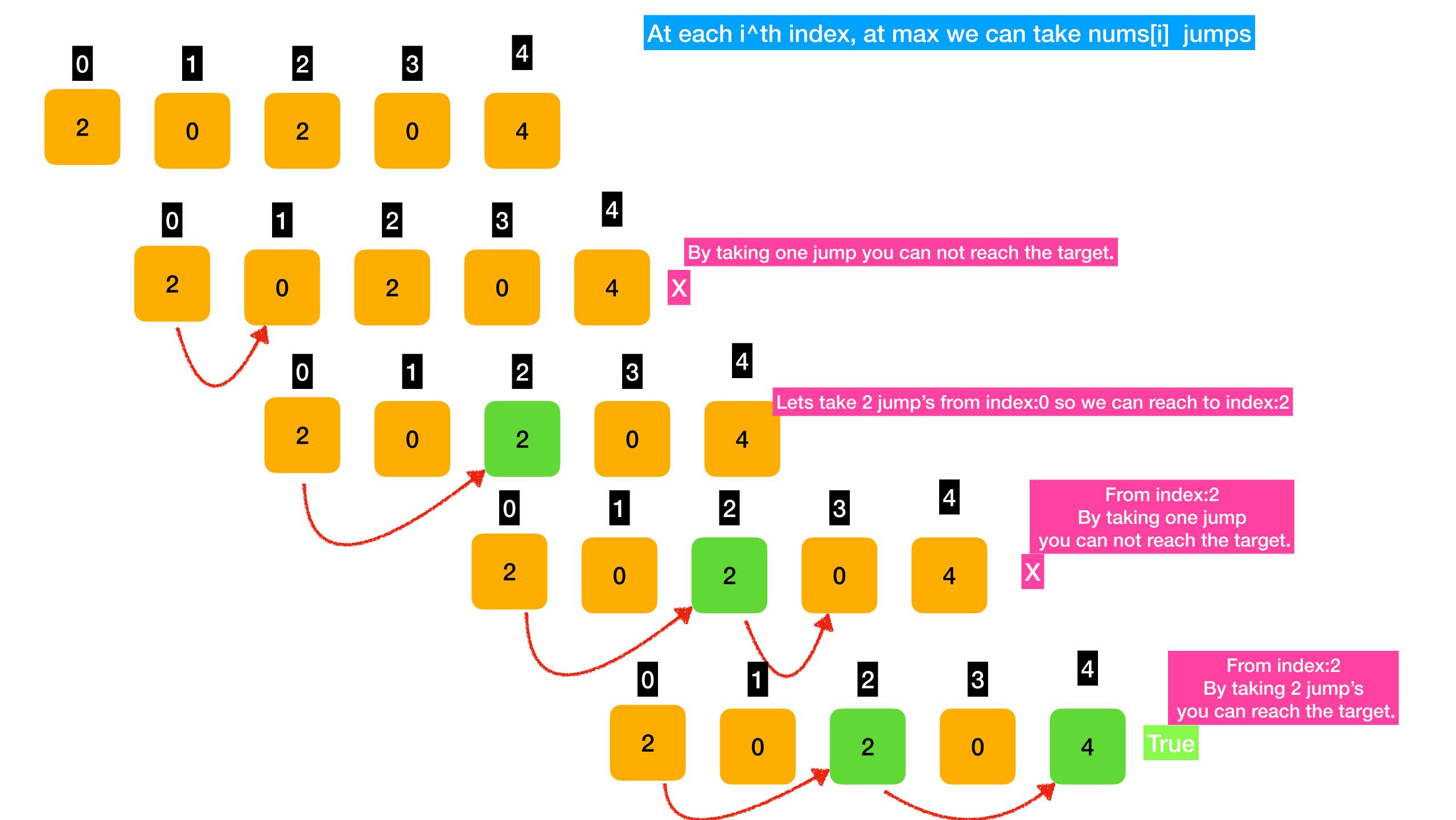
```
Input: nums = [3,2,1,0,4]
Output: false
```

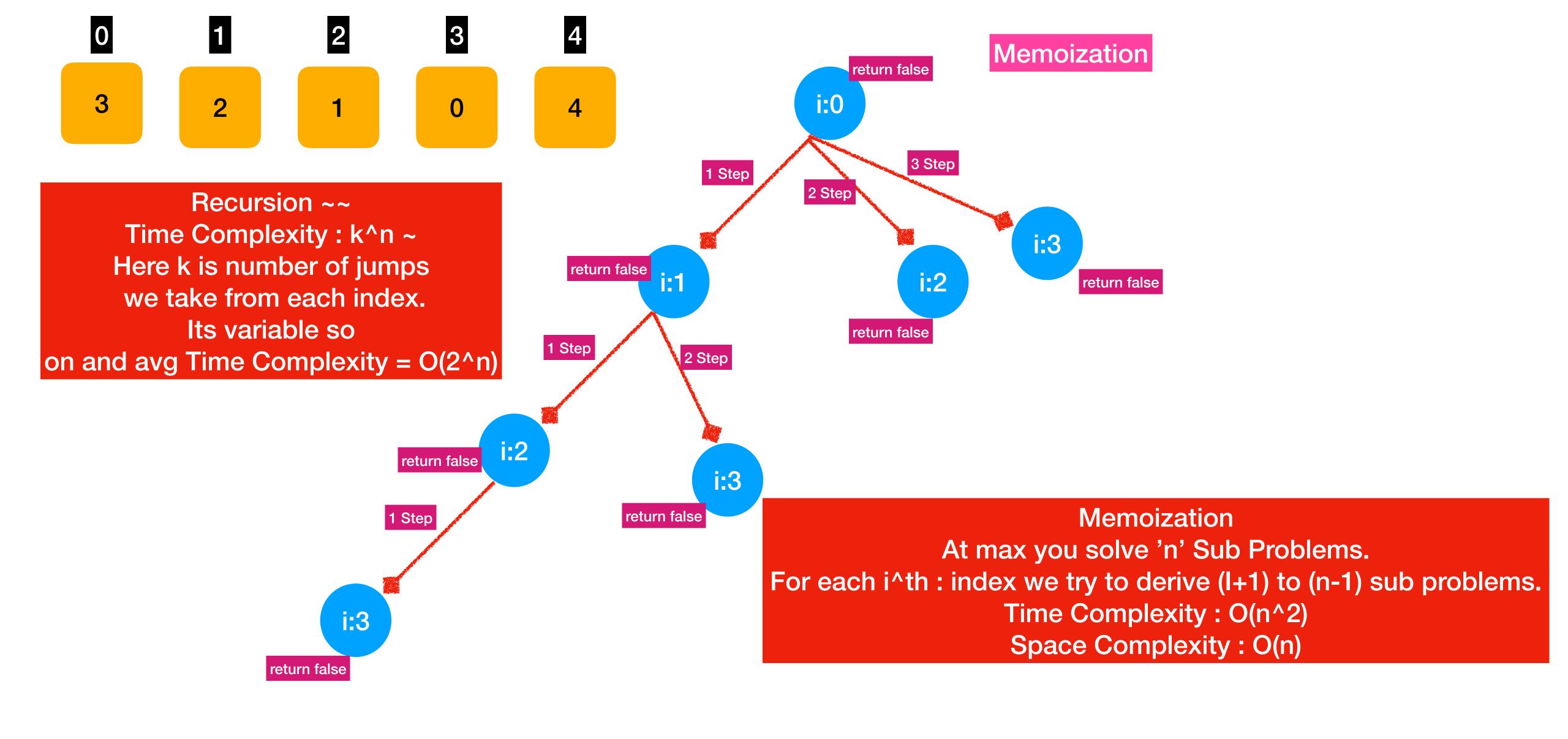
Explanation: You will always arrive at index 3 no matter what. Its maximum jump length is 0, which makes it impossible to reach the

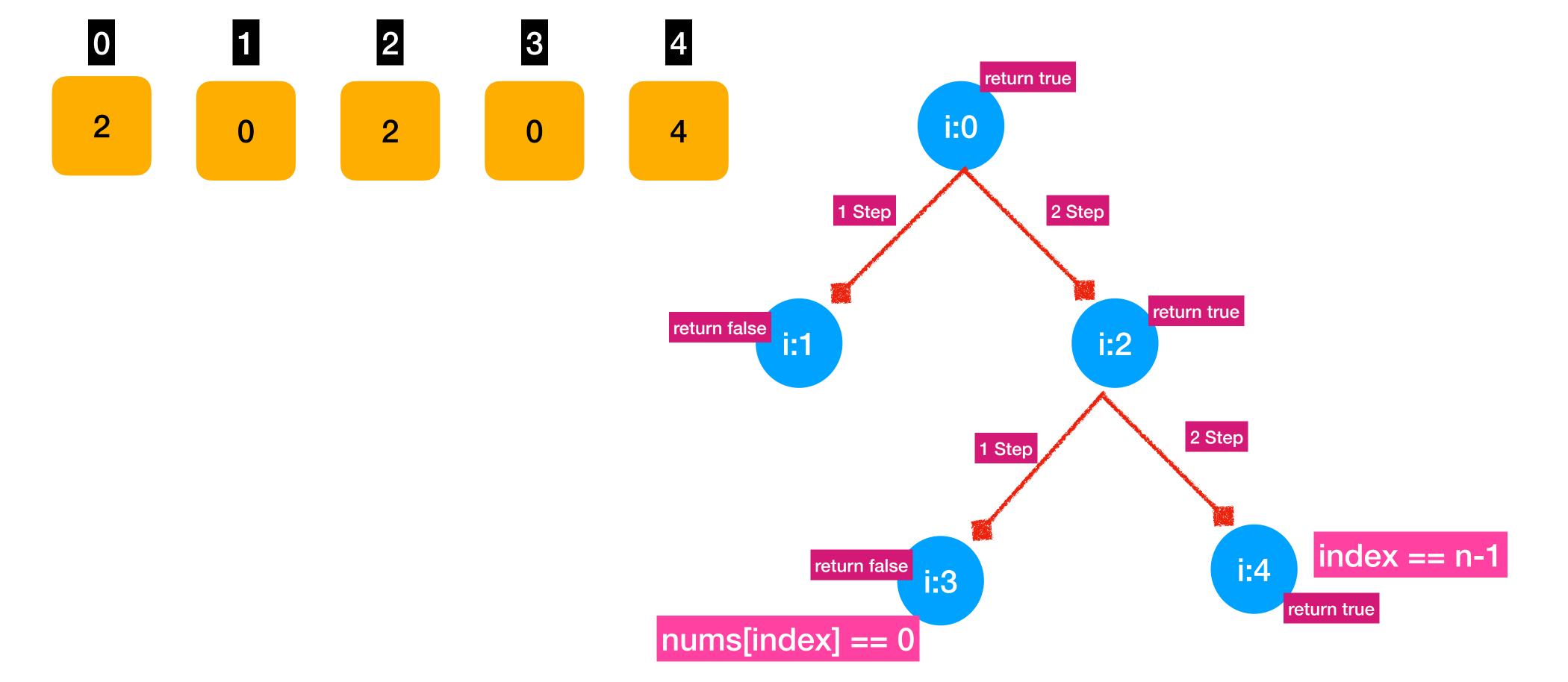
last index.

Constraints:

- 1 <= nums.length <= 10^4
- $0 \le nums[i] \le 10^5$







Memoization

At max you solve 'n' Sub Problems.

For each i^th: index we try to derive (I+1) to (n-1) sub problems.

Time Complexity: O(n^2)
Space Complexity: O(n)

