Description
Solution
Discuss (999+)
Submissions

55. Jump Game

Medium

8802 520 Add to List Share

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 <= nums[i] <= 10^5`

Accepted
819,580
Submissions
2,220,631

Seen this question in a real interview before? Yes No

Companies

Related Topics

Array Dynamic Programming Greedy

C++ Autocomplete

```cpp
class Solution {
public:
    bool canJump(vector<int>& nums) {
        int n = nums.size();
        int possible = n-1;
        for(int i=n-1; i>=0; i--)
        {
            if(i+nums[i]>=possible)
            {
                possible=i;
            }
        }
        return possible==0;
    }
};
```

Your previous code was restored from your local storage. Reset to default

Console Contribute

Run Code Submit