55. Jump Game

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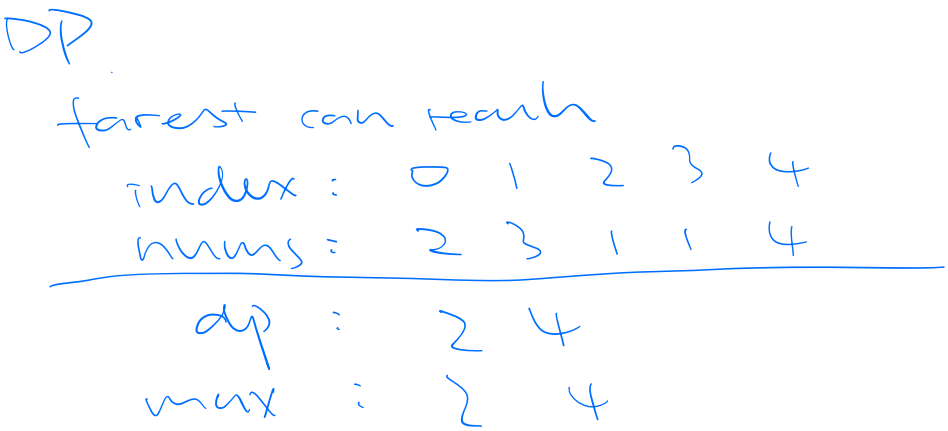
You are given an integer array `nums`. You are initially positioned at the array's **first index**, and each element in the array represents your maximum jump length at that position.

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.




```python
class Solution:
    def canJump(self, nums: List[int]) -> bool:
        if not nums:
            return False
        dp = [0] * len(nums)
        max_can = 0
        l = len(nums)

        for i in range(l):
            if max_can >= l-1:
                return True

            if i <= max_can:
                dp[i] = i + nums[i]
                max_can = max(max_can, dp[i])

            #print(dp, max_can)

        return False
```

13 min