

# 055. Jump Game

## 055 Jump Game

- Greedy+array

### Description

Given an array of non-negative integers, you are initially positioned at the first index of the array.

Each element in the array represents your maximum jump length at that position.

Determine if you are able to reach the last index.

For example:

A = [2,3,1,1,4] , return true .

A = [3,2,1,0,4] , return false .

### 1. Thought line

### 2. Greedy+array

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