

Description

Solution

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Submissions

C++

Aut

1431. Kids With the Greatest Number of Candies

Easy

386

96

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Given the array `candies` and the integer `extraCandies`, where `candies[i]` represents the number of candies that the *i*th kid has.

For each kid check if there is a way to distribute `extraCandies` among the kids such that he or she can have the **greatest** number of candies among them. Notice that multiple kids can have the **greatest** number of candies.

Example 1:

Input: `candies = [2,3,5,1,3]`, `extraCandies = 3`

Output: `[true,true,true,false,true]`

Explanation:

Kid 1 has 2 candies and if he or she receives all extra candies (3) will have 5 candies --- the greatest number of candies among the kids.

Kid 2 has 3 candies and if he or she receives at least 2 extra candies will have the greatest number of candies among the kids.

Kid 3 has 5 candies and this is already the greatest number of candies among the kids.

Kid 4 has 1 candy and even if he or she receives all extra candies will only have 4 candies.

Kid 5 has 3 candies and if he or she receives at least 2 extra candies will have the greatest number of candies among the kids.

Example 2:

Input: `candies = [4,2,1,1,2]`, `extraCandies = 1`

Output: `[true,false,false,false,false]`

Explanation: There is only 1 extra candy, therefore only kid 1 will have the greatest number of candies among the kids regardless of who takes the extra candy.

Example 3:

Input: `candies = [12,1,12]`, `extraCandies = 10`

```

1  class Solution
2  public:
3      vector<bool>
        kidsWithCandies(
            vector<int> candies, int extraCandies) {
4          int maxCandies = 0;
5          for (int i = 0; i < candies.size(); i++)
6              maxCandies = max(maxCandies, candies[i]);
7          // Precompute the maximum number of candies
8          // among the kids.
9          int maxCandies = *max_element(candies.begin(), candies.end());
10
11
12         // GET THE ARRAY
13         for (int i = 0; i < candies.size(); i++)
14             if (candies[i] + extraCandies >= maxCandies)
15                 kidsWithCandies[i] = true;
16         return kidsWithCandies;
17     }
18
19     // GET THE MAXIMUM ELEMENT FOR EACH ELEMENT
20     for (int i = 0; i < candies.size(); i++)
21         if (candies[i] + extraCandies >= maxCandies)
22             kidsWithCandies[i] = true;

```

Your previous code was res

Testcase

Run Code Result

Accepted

Runtime:

Your input

[2,3,5,1,3]

Output

[true,1]

Expected

[true,1]

Co...

How to create a testcase

Problems

Pick One

< Prev

245/282

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