Problem 1431: Kids With the Greatest Number of Candies

Problem Information

Difficulty: Easy
Acceptance Rate: 88.05%
Paid Only: No
Tags: Array

Problem Description

There are `n` kids with candies. You are given an integer array `candies`, where each `candies[i]` represents the number of candies the `ith` kid has, and an integer `extraCandies`, denoting the number of extra candies that you have.

Return _a boolean array_`result` _of length_`n` _, where_`result[i]`_is_`true` _if, after giving the_`ith` _kid all the_`extraCandies` _, they will have the**greatest** number of candies among all the kids_ _, or_`false` _otherwise_.

Note 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:** If you give all extraCandies to: - Kid 1, they will have 2 + 3 = 5 candies, which is the greatest among the kids. - Kid 2, they will have 3 + 3 = 6 candies, which is the greatest among the kids. - Kid 3, they will have 5 + 3 = 8 candies, which is the greatest among the kids. - Kid 4, they will have 1 + 3 = 4 candies, which is not the greatest among the kids. - Kid 5, they will have 3 + 3 = 6 candies, which is the greatest 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. Kid 1 will always have the greatest number of candies, even if a different kid is given the extra candy.

Example 3:

Input: candies = [12,1,12], extraCandies = 10 **Output:** [true,false,true]

Constraints:

* `n == candies.length` * `2 <= n <= 100` * `1 <= candies[i] <= 100` * `1 <= extraCandies <= 50`

Code Snippets

C++:

```
class Solution {
public:
vector<bool> kidsWithCandies(vector<int>& candies, int extraCandies) {

}
};
```

Java:

```
class Solution {
public List<Boolean> kidsWithCandies(int[] candies, int extraCandies) {

}
}
```

Python3:

```
class Solution:
def kidsWithCandies(self, candies: List[int], extraCandies: int) ->
List[bool]:
```