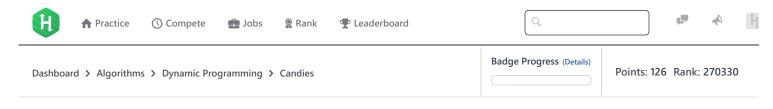
16/11/2017 HackerRank







Problem Submissions Leaderboard Discussions Editorial

Alice is a kindergarten teacher. She wants to give some candies to the children in her class. All the children sit in a line (their positions are fixed), and each of them has a rating score according to his or her performance in the class. Alice wants to give at least 1 candy to each child. If two children sit next to each other, then the one with the higher rating must get more candies. Alice wants to save money, so she needs to minimize the total number of candies given to the children.

Input Format

The first line of the input is an integer N, the number of children in Alice's class. Each of the following N lines contains an integer that indicates the rating of each child.

Constraints

- $1 \le N \le 10^5$
- $1 \le \text{rating}_i \le 10^5$

Output Format

Output a single line containing the minimum number of candies Alice must buy.

Sample Input 0

3

1 2

2

Sample Output 0

4

Explanation 0

Here 1, 2, 2 is the rating. Note that when two children have equal rating, they are allowed to have different number of candies. Hence optimal distribution will be 1, 2, 1.

Sample Input 1

10

2

4 2

6

1

7 8

9

2

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Sample Output 1

19

Explanation 1

Optimal distribution will be 1, 2, 1, 2, 1, 2, 3, 4, 2, 1

f y in Submissions:29319 Max Score:50 Difficulty: Medium Rate This Challenge: ☆☆☆☆☆

```
Current Buffer (saved locally, editable) & 49
                                                                                             Java 7
                                                                                                                               Ö
 1 ▼ import java.io.*;
 2 import java.util.*;
    import java.text.*;
 3
    import java.math.*;
    import java.util.regex.*;
 6
 7 ▼ public class Solution {
 8
 9 ▼
         static int candies(int n, int[] arr) {
10
             // Complete this function
11
12
13 ▼
         public static void main(String[] args) {
14
             Scanner in = new Scanner(System.in);
15
             int n = in.nextInt();
             int[] arr = new int[n];
16 ▼
17 ▼
             for(int arr_i = 0; arr_i < n; arr_i++){</pre>
18 ▼
                 arr[arr_i] = in.nextInt();
19
20
             int result = candies(n, arr);
             System.out.println(result);
21
22
             in.close();
23
         }
     }
24
25
                                                                                                                      Line: 1 Col: 1
                      Test against custom input
                                                                                                          Run Code
                                                                                                                       Submit Code
1 Upload Code as File
```

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