2. Chef and kids

ALL

Chef wants to give ladoos to kids. All kids are standing in a line.

Chef wants ladoos to be distributed in the following manner:
- Each kid should get atleast 1 Ladoo.
- If a kid has higher performance than kids sitting adjacent to him than he should get more ladoos compare to them.

Given the kid count and their performance can you help chef to find the minimum Ladoos required.

Example:

example1:

Performance:
[1 3 6 1 5 2]

Distribution of Ladoos:
[1 2 3 1 2 1]

```c
#include <stdio.h>
#include <string.h>
#include <stdlib.h>
#include <assert.h>
#include <limits.h>
#include <stdbool.h>

int main() {
    /* Enter your code here. Read input from STDIN.
    return 0;
}
```

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example1:

Performance:
[1 3 6 1 5 2]

Distribution of Ladoos:
[1 2 3 1 2 1]

Minimum Ladoos required:
1 + 2 + 3 + 1 + 2 + 1 = 10 Ladoos

example2:

Performance:
[3 3 3 3 4]

Distribution of Ladoos:
[1 1 1 1 2]

Minimum Ladoos required:
1 + 1 + 1 + 1 + 2 = 6 Ladoos

Input format:
Number of kids
Performance array

Input example:
5
3 4 5 1 6

Constraints:
$1 < \text{kid count} < 10^6$
$1 < \text{performance}[i] < 10^5$

Language C

```c
#include <math.h>
#include <stdio.h>
#include <string.h>
#include <stdlib.h>
#include <assert.h>
#include <limits.h>
#include <stdbool.h>

int main() {
    /* Enter your code here. Read input from STDIN. Print output to STDOUT */
    return 0;
}
```

Test Results Custom Input