CSES   anugoyal998 — ◐ ➥

CSES Problem Set

Subarray Sums I

TASK │ SUBMIT │ RESULTS │ STATISTICS

Time limit: 1.00 s   **Memory limit:** 512 MB

Given an array of n positive integers, your task is to count the number of subarrays having sum x.

Input

The first input line has two integers n and x: the size of the array and the target sum x.

The next line has n integers $a_1, a_2, \ldots, a_n$: the contents of the array.

Output

Print one integer: the required number of subarrays.

Constraints

- $1 \le n \le 2 \cdot 10^5$
- $1 \le x, a_i \le 10^9$

Example

Input:
```
5 7
2 4 1 2 7
```

Output:
```
3
```

Sorting and Searching

...

Sum of Three Values   [-]
Sum of Four Values   [-]
Nearest Smaller Values   [-]
Subarray Sums I   [-]
Subarray Sums II   [-]
Subarray Divisibility   [-]
Subarray Distinct Values   [-]
Array Division   [-]

...

Your submissions