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ITMO Academy: pilot course » Two Pointers Method » Step 2 » Practice

C. Number of Segments with Small Sum

time limit per test: 1 second❓
memory limit per test: 1024 megabytes

→ **Submit?**

Language: GNU G++20 13.2 (64 bit, win ✔)

Choose file: [Choose File] No file chosen

[Submit]

Given an array of n integers a_i. Let's say that the segment of this array $a[l..r]$ $(1 \le l \le r \le n)$ is good if the sum of elements on this segment is at most s. Your task is to find the number of good segments.
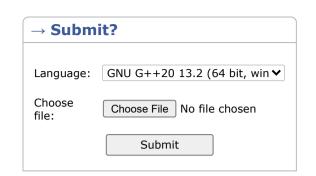
Input

The first line contains integers n and s $(1 \le n \le 10^5, 1 \le s \le 10^{18})$. The second line contains integers a_i ($1 \le a_i \le 10^9$).

Output

Print one integer, the number of good segments.

Example

input	Copy
7 20
2 6 4 3 6 8 9	
output	Copy
19	

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