

## D. Number of Segments with Big Sum

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

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

### Input

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

### Output

Print one integer, the number of good segments.

### Example

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

### → Submit?

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

Choose file: Choose File No file chosen

Submit

