

HOME TOP CATALOG CONTESTS GYM PROBLEMSET GROUPS RATING EDU API CALENDAR HELP

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ITMO Academy: pilot course » Two Pointers Method » Step 3 » Practice

B. Total Length

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] $(1 \le l \le r \le n)$ is good if the sum of elements on this segment is at most s. Your task is to find sum of lengths of all good segments.

Input

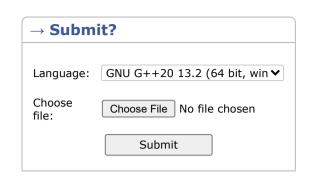
The first line contains integers n and s ($1 \le n \le 10^5$, $1 \le s \le 10^{18}$). The second line contains integers a_i ($1 \le a_i \le 10^9$).

Output

Print one integer, the sum of lengths of all good segments.

Example

input	Сору
7 20 2 6 4 3 6 8 9	
output	Сору
39	



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