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A. Segment with Small 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] $(1 \le l \le r \le n)$ is good if the sum of elements on this segment is at most s. Your task is to find the longest good segment.

Input

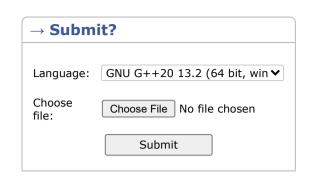
The first line contains integers n and s ($1 \le n \le 10^5$, $1 \le s \le 10^{18}$). The second line contains integers a_i ($1 \le a_i \le 10^9$).

Output

Print one integer, the length of the longest good segment. If there are no such segments, print 0.

Example

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



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