

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

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## B. Segment 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]  $(1 \le l \le r \le n)$  is good if the sum of elements on this segment is at least s. Your task is to find the shortest good segment.

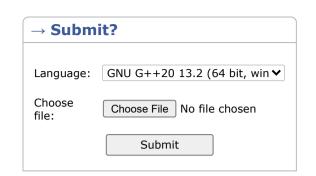
## Input

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 shortest good segment. If there are no such segments, print -1.

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



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