## **Shortest subarray**

Given an array of positive integers A where each element has value at most 10<sup>6</sup>. Find the shortest subarray of A such that the sum of elements is not less than k.

## Input

The first line contains the number of elements n and the integer k  $(0 < n \le 10^5, 0 < k \le 10^9)$ .

The second line is the elements in array A

## **Output**

The length of the shortest subarray

## **Sample**

Input	Output
5 6	1

12416