Problem B

Subsequence

Input File: B.IN
Output File: standard output
Program Source File: B.C, B.CPP, B.JAVA

A sequence of *N* positive integers ($10 < N < 100\,000$), each of them less than or equal 10000, and a positive integer *S* ($S < 100\,000\,000$) are given. Write a program to find the minimal length of the subsequence of consecutive elements of the sequence, the sum of which is greater than or equal to *S*.

Many test cases will be given. For each test case the program has to read the numbers *N* and *S*, separated by an interval, from the first line. The numbers of the sequence are given in the second line of the test case, separated by intervals. The input will finish with the end of file.

For each the case the program has to print the result on separate line of the output file.

Input	Output
10 15 5 1 3 5 10 7 4 9 2 8 5 11 1 2 3 4 5	2 5