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A. Maximum Average Segment

time limit per test: 2 seconds memory limit per test: 512 megabytes input: standard input output: standard output

Given an array of n and a number d. Your task is to find a segment of length at least d, on which the arithmetic mean of the elements is maximum possible.

Input

The first line contains two integers n and d ($1 \le d \le n \le 10^5$). The next line contains n integers a_i , the elements of array ($0 \le a_i \le 100$).

Output

Print two integers, indices of the first and last elements of the required segment (elements are numbered starting from 1).

Example

input	Сору
6 2 3 1 8 5 7 2	
3 1 8 5 7 2	
output	Сору
3 5	

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