

F. Segments with Small Spread

time limit per test: 1 second

memory limit per test: 1024 megabytes

Given an array of n integers a_i . Let's say that a segment of this array $a[l..r]$ ($1 \leq l \leq r \leq n$) is good if the difference between the maximum and minimum elements on this segment is at most k . Your task is to find the number of different good segments.

Input

The first line contains integers n and k ($1 \leq n \leq 10^5$, $0 \leq k \leq 10^{18}$). The second line contains integers a_i ($1 \leq a_i \leq 10^{18}$).

Example

input	Copy
7 3 2 6 4 3 6 8 9	
output	Copy
16	

→ Submit?

Language: GNU G++20 13.2 (64 bit, win

Choose file: Choose File No file chosen

Submit

