

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

STEP 1 STEP 2 STEP 3 | THEORY PRACTICE | SUBMIT SUBMISSIONS HACKS STANDINGS CUSTOM INVOCATION ITMO Academy: pilot course » Two Pointers Method » Step 2 » Practice

## 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]  $(1 \le l \le r \le n)$  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 ( $1 \le n \le 10^5$ ,  $0 \le k \le 10^{18}$ ). The second line contains integers  $a_i$  ( $1 \le a_i \le 10^{18}$ ).

## Example

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



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