



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

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS HACKS STANDINGS CUSTOM INVOCATION

### C. Hard Process

time limit per test: 1 second memory limit per test: 256 megabytes

You are given an array a with n elements. Each element of a is either 0 or 1.

Let's denote the length of the longest subsegment of consecutive elements in a, consisting of only numbers one, as f(a). You can change no more than k zeroes to ones to maximize f(a).

#### Input

The first line contains two integers n and k ( $1 \le n \le 3 \cdot 10^5$ ,  $0 \le k \le n$ ) — the number of elements in a and the parameter k.

The second line contains n integers  $a_i$  ( $0 \le a_i \le 1$ ) — the elements of a.

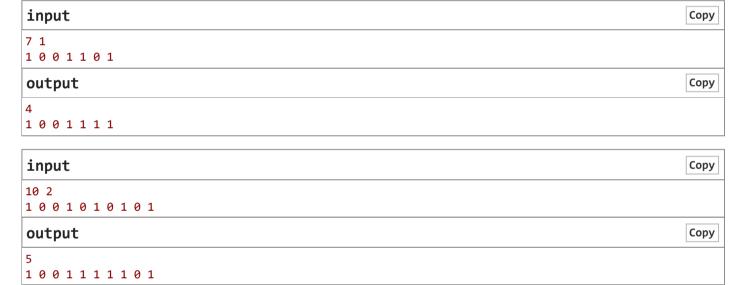
# **Output**

On the first line print a non-negative integer z — the maximal value of f(a) after no more than k changes of zeroes to ones.

On the second line print n integers  $a_i$  — the elements of the array a after the changes.

If there are multiple answers, you can print any one of them.

### **Examples**



# **Educational Codeforces Round 11**

### **Finished**

### Practice



# → Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

## → Clone Contest to Mashup

You can clone this contest to a mashup.

Clone Contest

#### → Submit?

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

Choose File No file chosen

Submit

# ightarrow Last submissions

	Submission	Time	Verdict
	309666648	Mar/09/2025 22:04	Accepted

# → **Problem tags**

binary search dp two pointers \*1600 No tag edit access

 $\times$ 

# → Contest materials

- Announcement (en)
- Tutorial (en)

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The only programming contests Web 2.0 platform
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