## D. Longest k-Good Segment

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

output: standard output

The array a with n integers is given. Let's call the sequence of one or more consecutive elements in a segment. Also let's call the segment k-good if it contains no more than k different values.

Find any longest *k*-good segment.

As the input/output can reach huge size it is recommended to use fast input/output methods: for example, prefer to use scanf/printf instead of cin/cout in C++, prefer to use BufferedReader/PrintWriter instead of Scan ner/System.out in Java.

## Input

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

The second line contains n integers  $a_i$  ( $0 \le a_i \le 10^6$ ) — the elements of the array a.

## **Output**

Print two integers l, r ( $1 \le l \le r \le n$ ) — the index of the left and the index of the right ends of some k-good longest segment. If there are several longest segments you can print any of them. The elements in a are numbered from 1 to n from left to right.

## **Examples**

```
input
9 3
6 5 1 2 3 2 1 4 5
output
3 7
```

```
input
3 1
1 2 3

output
1 1
```