

## B. Amr and The Large Array

time limit per test: 1 second

memory limit per test: 256 megabytes

input: standard input

output: standard output

Amr has got a large array of size  $n$ . Amr doesn't like large arrays so he intends to make it smaller.

Amr doesn't care about anything in the array except the beauty of it. The beauty of the array is defined to be the maximum number of times that some number occurs in this array. He wants to choose the smallest subsegment of this array such that the beauty of it will be the same as the original array.

Help Amr by choosing the smallest subsegment possible.

### Input

The first line contains one number  $n$  ( $1 \leq n \leq 10^5$ ), the size of the array.

The second line contains  $n$  integers  $a_i$  ( $1 \leq a_i \leq 10^6$ ), representing elements of the array.

### Output

Output two integers  $l, r$  ( $1 \leq l \leq r \leq n$ ), the beginning and the end of the subsegment chosen respectively.

If there are several possible answers you may output any of them.

### Examples

<b>input</b>
5 1 1 2 2 1
<b>output</b>
1 5
<b>input</b>
5 1 2 2 3 1
<b>output</b>
2 3
<b>input</b>
6 1 2 2 1 1 2
<b>output</b>
1 5

### Note

A subsegment  $B$  of an array  $A$  from  $l$  to  $r$  is an array of size  $r - l + 1$  where  $B_i = A_{l+i-1}$  for all  $1 \leq i \leq r - l + 1$

### Codeforces Round #312 (Div. 2)

Finished

#### → 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 ACM-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

#### → Problem tags

implementation

No tag edit access

#### → Contest materials

- Announcement 
- Tutorial 