Given an array of bird sightings where every element represents a bird type id, determine the id of the most frequently sighted type. If more than 1 type has been spotted that maximum amount, return the smallest of their ids.

Example

$arr = [1, 1, 2, 2, 3]$

There are two each of types 1 and 2, and one sighting of type 3. Pick the lower of the two types seen twice: type 1.

Function Description

Complete the migratoryBirds function in the editor below.

migratoryBirds has the following parameter(s):

- int arr[n]: the types of birds sighted

Returns

- int: the lowest type id of the most frequently sighted birds

Input Format

The first line contains an integer, n, the size of arr.
The second line describes arr as n space-separated integers, each a type number of the bird sighted.

Constraints

- $5 \leq n \leq 2 \times 10^5$
- It is guaranteed that each type is 1, 2, 3, 4, or 5.