

Migratory Birds

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**.