‹ Basic Programming Challenges

Migratory Birds 🔖

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Problem	Submissions	Leaderboard	Discussions	Editorial

A flock of n birds is flying across the continent. Each bird has a *type*, and the different types are designated by the ID numbers 1, 2, 3, 4, and 5.

Given an array of n integers where each integer describes the type of a bird in the flock, find and print the type number of the most common bird. If two or more types of birds are equally common, choose the type with the smallest ID number.

Input Format

The first line contains an integer denoting n (the number of birds).
The second line contains n space-separated integers describing the respective type numbers of each bird in the flock.

Constraints

- $5 \leq n \leq 2 \times 10^5$

- It is guaranteed that each type is 1, 2, 3, 4, or 5.

Output Format

Print the type number of the most common bird; if two or more types of birds are equally common, choose the type with the smallest ID number.

Sample Input 0

```
6
1 4 4 4 5 3
```

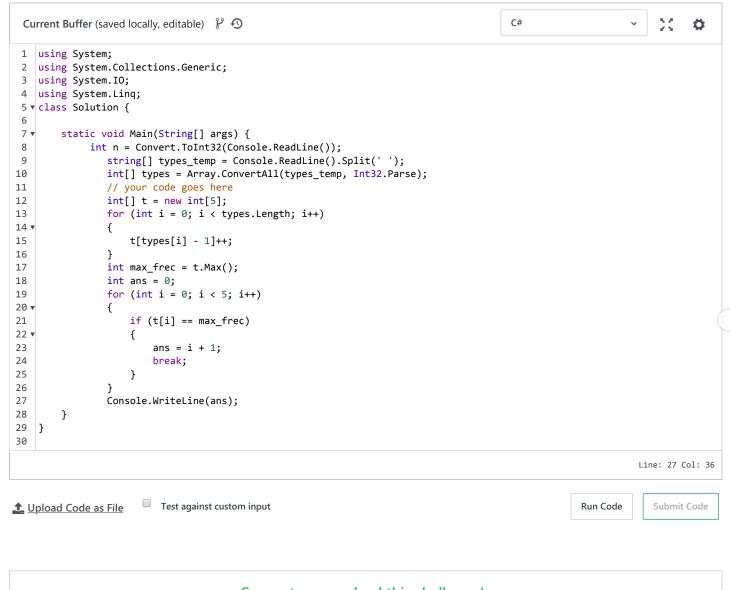### Sample Output 0

```
4
```

Explanation 0

The different types of birds occur in the following frequencies:

- Type 1: 1 bird

- Type 2: 0 birds

- Type 3: 1 bird

- Type 4: 3 birds

- Type 5: 1 bird

The type number that occurs at the highest frequency is type 4, so we print 4 as our answer.

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Submissions: 6829
Max Score: 10

Difficulty: Easy

Rate This Challenge:

★★★★★

More

Current Buffer (saved locally, editable)

C#

```csharp
1  using System;
2  using System.Collections.Generic;
3  using System.IO;
4  using System.Linq;
5  class Solution {
6
7      static void Main(String[] args) {
8          int n = Convert.ToInt32(Console.ReadLine());
9              string[] types_temp = Console.ReadLine().Split(' ');
10             int[] types = Array.ConvertAll(types_temp, Int32.Parse);
11             // your code goes here
12             int[] t = new int[5];
13             for (int i = 0; i < types.Length; i++)
14             {
15                 t[types[i] - 1]++;
16             }
17             int max_frec = t.Max();
18             int ans = 0;
19             for (int i = 0; i < 5; i++)
20             {
21                 if (t[i] == max_frec)
22                 {
23                     ans = i + 1;
24                     break;
25                 }
26             }
27             Console.WriteLine(ans);
28      }
29  }
30
```

Line: 27 Col: 36

⬆ Upload Code as File　　　☐ Test against custom input　　　Run Code　　Submit Code

Congrats, you solved this challenge!

✔ Test Case #0　　　　✔ Test Case #1　　　　✔ Test Case #2
✔ Test Case #3　　　　✔ Test Case #4

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