



Migratory Birds ★

Problem

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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**.

Author

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Difficulty

Easy

Max Score

100

Submitted By

11189

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Language

Python 3



```
1  #!/bin/python3
2
3  import math
4  import os
5  import random
6  import re
7  import sys
8
9  #
10 # Complete the 'migratoryBirds' function below.
11 #
12 # The function is expected to return an INTEGER.
13 # The function accepts INTEGER_ARRAY arr as parameter.
14 #
15
16 def migratoryBirds(arr):
17     # Write your code here
18
19 if __name__ == '__main__':
20     fptr = open(os.environ['OUTPUT_PATH'], 'w')
21
22     arr_count = int(input().strip())
23
24     arr = list(map(int, input().rstrip().split()))
25
26     result = migratoryBirds(arr)
27
28     fptr.write(str(result) + '\n')
29
```

Line: 31 Col: 1

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