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Most Frequent Even number

locked

Problem

Submissions

Leaderboard

Discussions

Given an integer array `nums`, return the most frequent even element. If there is a tie, return the smallest one. If there is no such element, return -1

Input Format

line1: number of elements

line2: n integers (space separated)

Constraints

$1 \leq \text{nums.length} \leq 1000$

$0 \leq \text{nums}[i] \leq 999$

Output Format

An even integer appearing most frequently, else -1

Sample Input 0

```
6
4 4 4 9 2 4
```

Sample Output 0

```
4
```

Explanation 0

4 is the most occurring even number

[f](#) [t](#) [in](#)

Submissions: 59

Max Score: 10

Difficulty: Medium

Rate This Challenge:

☆☆☆☆☆

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C



```
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
5
6 int main() {
7     int n;
8     scanf("%d", &n);
9 }
```

```
10  int count[1000];
11  for(int i=0;i<1000;i++){
12      count[i]=0;
13  }
14  for(int i=0;i<n;i++){
15      int ele;
16      scanf("%d",&ele);
17      count[ele]++;
18  }
19
20  int max=0;
21  int found=0;
22
23  for(int i=0;i<1000;i++){
24      if(count[i]>max && i%2==0){
25          max=i;
26          found=1;
27      }
28  }
29  if(found){
30      printf("%d",max);
31  }
32  else{
33      printf("%d",-1);
34  }
35  return 0;
36  }
37
```

Line: 37 Col: 1

[Upload Code as File](#) ☐ Test against custom input

Run Code

Submit Code