STUDENT REPORT

DETAILS

Name

SAGIRAJU TARUNA SHREE

Roll Number

3BR23CD082

EXPERIMENT

Title

ELECTIONS

Description

You are the head of the election committee in your village. Each Political party is associated with a unique number and the votes are represented as an integer array A. where each element contains the party number voted for by the villagers. For a party to win, they must have a majority of votes. our task is to find and return an integer value denoting the winning party's number. Return -1 if there is no party with a majority.

Note: If only one vote is there he is the winner.

Input Format :

input1: An integer value representing the number the number of voters

input2: An integer array A representing the votes of the voters.

output Format:

Return an integer value denoting the winning party's number.Return -1 there is no party with a majority

Example 1:

Input:

6

1 1 2 2 2 3

Output:

2

Explanation:

As 2 got the most number of votes i.e 3.

Example 2:

Input:

6

1 2 1 1 2 2

Output:

-1

Explanation:

As both the contestants got same votes there is no majority.

Source Code:

```
n=int(input())
arr=list(map(int,input().split()))
d={ }
if n==1:
    print(arr[0])
else:
    for i in arr:
        if i not in d:
            d[i]=1
        else:
            d[i]+=1
    x=sorted(d.items(),key=lambda x:x[1], reverse =True)
    if x[0][1]==x[1][1]:
        print(-1)
    else:
        print(x[0][0])
```

RESULT

6 / 6 Test Cases Passed | 100 %