#include<iostream>

using namespace std;

int main()

{

//code

int t;

cin>>t;

while(t--){

int n;

cin>>n;

int \*arr = new int[n];

for(int i = 0; i < n ; i++){

cin>>arr[i];

}

int counter = 1;

int temp = arr[0];

for(int i = 1; i < n; i++){

if(arr[i] == temp){

counter++;}

else counter--;

if(counter == 0){

temp = arr[i];

counter = 1;

}

}

int count = 0;

for(int i = 0; i < n; i++){

if(arr[i] == temp){

count++;

}

}

if(count>n/2){

cout<<temp;

}

else cout<<"-1";

cout<<endl;

}

return 0;

}