```
406410114    UVA10057 A mid-summer night's dream

// n num
// int
// output min_A inuptis_A_num diff_A
// 6 6 12 ->6
// 1 1 100 ->1
// 1 1 6 6 100
// 1 2 3 ->2

#include <bits/stdc++.h>
using namespace std;
int main(){
        int i,j,k,n;

        while ( cin >>n ){
                int arr[n];
                for ( i = 0 ; i <n;i++ )
                        cin >> arr[i];
                sort( arr,arr+n );
                if ( n %2 != 0 ){ //odd
                        int inuptis_A_num = 0;
                        int mid = arr[n/2];
                        for ( i = 0 ; i <n;i++ )
                                if ( arr[i] ==mid  )
                                        inuptis_A_num++;

                        cout << mid  << " " <<  inuptis_A_num << " 1\n" ;
                }//if
                else {// even
                        int inuptis_A_num = 0;
                        int mid1 = arr[n/2-1];
                        int mid2 = arr[n/2];
                        for ( i = 0 ; i <n;i++ ){
                                if ( arr[i] >=mid1 && arr[i] <=mid2 )
                                        inuptis_A_num++;
                        }//for
                        cout << mid1  << " " <<  inuptis_A_num << " " << mid2-mid1+1 <<"\n" ;

                }//else


        }//while
        return 0;
}//main
```