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| **Number of Odd and Even Numbers**  **Solved**  Problem code: ODDEVENX | * [SUBMIT](https://www.codechef.com/submit/ODDEVENX) * [MY SUBMISSIONS](https://www.codechef.com/status/ODDEVENX,nacho0monllor) * [ALL SUBMISSIONS](https://www.codechef.com/status/ODDEVENX) |

**All submissions for this problem are available.**

Given a sequence of numbers, find the absolute difference between the number of odd numbers and number of even numbers in a given sequence.

**Input**

The first line will contain the number of numbers in the sequence. And the second line will contain the sequence itself i.e. a series of integers separated by a space

**Output**

Print a single integer , giving the absolute difference between the number of even and number of odd numbers.

**Example**

**Input:**

5

72 33 76 514 985

**Output:**

1

<https://www.codechef.com/problems/ODDEVENX>

#include <iostream>

#include <stdio.h>

#include <math.h>

using namespace std;

int main() {

int n;

scanf("%d", &n);

int sec[n];

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

scanf("%d", &sec[i]);

}

int pares = 0, impares=0;

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

if (sec[i] % 2 == 0)

pares++;

else

impares++;

}

printf("%d\n", abs(pares - impares ));

// system("pause");

return 0;

}