Easy Transform

locked

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You are given N numbers. You are allowed to perform a "drop" operation where you simply choose any one of the N given numbers and remove it. After dropping the i-th number: the number to left of it, and the number to right of it become adjacent numbers.

Your task is to minimize the number of drop operations to get a resulting set of numbers where the sum of every two adjacent numbers is even.

Input Format

First line has a single integer N.

Second line has N space-separated integers.

Constraints

$1 \leq N \leq 10^5$

$-10^4 \leq$ each element of the array $\leq 10^4$

Output Format

A single integer representing the minimum number of drop operations required.

Sample Input 0

```
3
1 2 3
```

Sample Output 0

```
1
```

Submissions: 98
Max Score: 100
Difficulty: Easy

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C++20

```cpp
#include <cmath>
#include <cstdio>
#include <vector>
#include <iostream>
#include <algorithm>
using namespace std;


int main() {
    /* Enter your code here. Read input from STDIN. Print output to STDOUT */
    return 0;
}
```

Line: 1 Col: 1

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