DMOPC '16 Contest 1 P1 - A New Chapter

Time limit: 2.0s **Memory limit:** 64M

Xyene is going through a stressful week; It is yet another week of midterms, this time at university.

Unable to invest any more time into writing problems for the DMOPC, **Xyene** has offered you a position among the problemsetters of this DMCI-based contest, provided that you correctly answer the following skill-testing question:

> Given an array A of integers, count the number of elements which share the parity of its index (0-based).

More colloquially, find the number of array elements which have the same remainder when divided by 2 (odd / even-ness) as its index.

Input Specification

The first line of the input contains the integer N ($1 \leq N \leq 30$), denoting the number of elements in the array A.

The next line of the input contains N space-separated integers A_i ($0 \leq A_i \leq 100$), denoting the elements of the array A.

Output Specification

Your program should output the number of array elements which have the same parity as its index on a single line by itself.

Sample Input

```
5
0 1 2 3 4
```

Sample Output

```
5
```

Explanation

$$A_0 = 0 \quad A_1 = 1 \quad A_2 = 2 \quad A_3 = 3 \quad A_4 = 4$$

All of the array elements are the same as their indices, so the answer is 5.