
Problem A. Even digits

Input file: **standard input**
Output file: **standard output**
Time limit: 1 second
Memory limit: 256 megabytes

You are given a list of n numbers, Count the number of distinct even numbers in the list.

Input

The first line contains one integer n , $1 \leq n \leq 10^5$.

The second line contains n integers a_1, a_2, \dots, a_n , $1 \leq a_i \leq 10^9$.

Output

Output the number of distinct even numbers in the list.

Examples

standard input	standard output
5 1 2 1 2 3	1
3 1 3 5	0