

# Largest even number

Given an array of  $n$  integers. Find the largest even number in the array.

## Input

The first line contains the integer  $n$  ( $n \leq 10^5$ ).

The second line contains  $n$  integers  $a_i$  ( $|a_i| \leq 10^9$  - denoted by  $|N|$  is the absolute value of  $N$ ) are the numbers in the array.

## Output

Output the largest even number in the array. If no even number is found, output -1.

## Example

**Input:**

5  
1 2 -3 -4 6

**Output:**

6

**Input:**

3  
1 3 5

**Output:**

-1