

## Week 3: Assignment 3 - Question 3

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### Find the $k^{\text{th}}$ Odd integer in sequence

Write a C function to find the  $k$ th occurrence of an odd integer in a sequence of non-negative integers.

Input

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You are given the input in two lines:

- The first line contains a positive integer  $k$ .
- In the second line, you will be given a sequence of numbers terminated with a -1.

You have to find the  $k$ th occurrence of an odd integer in the sequence.

Note: The -1 is not part of the sequence.

Output

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If there are  $k$  odd numbers in the sequence, then output the  $k$ th occurrence of an odd number in the sequence, if present. If there are less than  $k$  odd numbers in the sequence, output -1.

Sample Input

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```
2
1 4 8 3 6 5 2 3 4 1 -1
```

Sample Output

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```
3
```

Explanation

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The odd integers in the sequence in order are :

```
1 3 5 3 1
```

The second odd integer in the list is therefore 3.