Shubh has a box of N chocolates randomly numbered.It is his birthday and he distributes them as subsets such that students get varying number of chocolates. A subset is called Interesting if it contains only even numbered chocolates.Find the number of chocolates of the student who recieved the maximum number of chocolates of such an interesting subset.

(You have an array of length N. A subarray is called Interesting if it contains only even numbers. You have to find the maximum length of such Interesting subarray.)

Input

First line contains T , denoting number of test cases.

Each test case contains two lines:

- First line contains an integer N denoting the size of the array.

- Second line contains N space seperated integers denoting the value of array elements.

Ouput:

For each test case, print the maximum length of Interesting subarray. If no such subarray exist,print -1.

Input Constraints:

Input Constraints:

1=T=10

1=N=10^5

1=A[i]=10^6

Note:

The input and output is handled by the code itself. You are just supposed to correct the function.

SAMPLE INPUT

1

4

5 2 4 7

SAMPLE OUTPUT

2

Explanation

We can select 2nd and 3rd element as both are even numbers and form a subarray of length 2.