Problems 3: For Fun Sequence

A "sequence A" with n element of integer is called "Fun Sequence" if all element in sequence is odd. Given a sequence, you must answer the question "Sequence is "Fun Sequence", isn't it?". If true print "Oh! Fun" else print"No".

Input

First line, integer n (n<=100)
Second line, n element of sequence A, (1<=A[i]<=100)

Output

Your answer.

Example

Input 1:
5

1 3 5 7 9

Output 1:
Oh! Fun

Input 2:

4

1 2 5 7

Output 2:

No