

PROBLEMS SUBMIT STATUS STANDINGS CUSTOM TEST

A. Parity

time limit per test: 1 second
memory limit per test: 256 megabytes
input: standard input
output: standard output

You are given an integer n ($n \geq 0$) represented with k digits in base (radix) b . So,

$$n = a_1 \cdot b^{k-1} + a_2 \cdot b^{k-2} + \dots a_{k-1} \cdot b + a_k.$$

For example, if $b = 17$, $k = 3$ and $a = [11, 15, 7]$ then
 $n = 11 \cdot 17^2 + 15 \cdot 17 + 7 = 3179 + 255 + 7 = 3441$.

Determine whether n is even or odd.

Input

The first line contains two integers b and k ($2 \leq b \leq 100$, $1 \leq k \leq 10^5$) — the base of the number and the number of digits.

The second line contains k integers a_1, a_2, \dots, a_k ($0 \leq a_i < b$) — the digits of n .

The representation of n contains no unnecessary leading zero. That is, a_1 can be equal to 0 only if $k = 1$.

Output

Print "even" if n is even, otherwise print "odd".

You can print each letter in any case (upper or lower).

Examples

input	Copy
13 3 3 2 7	
output	Copy
even	
input	Copy
10 9 1 2 3 4 5 6 7 8 9	
output	Copy
odd	
input	Copy
99 5 32 92 85 74 4	
output	Copy
odd	
input	Copy
2 2	

Codeforces Global Round 1

Finished

→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

→ Problem tags

math *1000

No tag edit access

→ Contest materials

- Announcement #1 (en) ✕
- Announcement #2 (ru) ✕
- Tutorial #1 (en) ✕
- Tutorial #2 (ru) ✕

1 0

output

Copy

even

Note

In the first example, $n = 3 \cdot 13^2 + 2 \cdot 13 + 7 = 540$, which is even.

In the second example, $n = 123456789$ is odd.

In the third example,

$n = 32 \cdot 99^4 + 92 \cdot 99^3 + 85 \cdot 99^2 + 74 \cdot 99 + 4 = 3164015155$ is odd.

In the fourth example $n = 2$.

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