ACM Qualifier 2013: Oddities

Some numbers are just, well, odd. For example, the number 3 is odd, because it is not a multiple of two. Numbers that are a multiple of two are not odd, they are even. More precisely, if a number n can be expressed as $n = 2 \times k$ for some integer k, then n is even. For example, $6 = 2 \times 3$ is even.

Some people get confused about whether numbers are odd or even. To see a common example, do an internet search for the query "is zero even or odd?" (Don't search for this now! You have a problem to solve!)

Write a program to help these confused people.

Input Format

Input begins with an integer n on a line by itself, indicating the number of test cases that follow. Each of the following n lines contain a test case consisting of a single integer x.

Constraints

$1 \leq n \leq 20$

$-10 \leq x \leq 10$

Output Format

For each x, print either 'x is odd' or 'x is even' depending on whether x is odd or even.

Sample Input 0

```
3
10
9
-5
```

Sample Output 0

```
10 is even
9 is odd
-5 is odd
```