

# Oddities

**Problem ID:** oddities

**CPU Time limit:** 1 second

**Memory limit:** 1024 MB

**Difficulty:** 1.3

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  $n = 2 * k$  for some integer  $k$ , then  $n$  is even. For example,  $6 = 2 * 3$  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

Input begins with an integer  $1 \leq n \leq 20$  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  $-10 \leq x \leq 10$ .

## Output

For each  $x$ , print either ‘ $x$  is odd’ or ‘ $x$  is even’ depending on whether  $x$  is odd or even.

### Sample Input 1


```
3
10
9
-5
```

### Sample Output 1

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

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