

Even Odd Query

You are given an array A of size N . You are also given an integer Q . Can you figure out the answer to each of the Q queries?

Each query contains 2 integers x and y , and you need to find whether the value $\text{find}(x,y)$ is Odd or Even:

```
find(int x,int y)
{
    if(x>y) return 1;
    ans = pow(A[x],find(x+1,y))
    return ans
}
```

Note : $\text{pow}(a,b) = a^b$.

Input Format

The first line of the input contains an integer N . The next line contains N space separated non-negative integers(whole numbers less than or equal to 9).

The line after that contains a positive integer, Q , the denotes the number of queries to follow. Q lines follow, each line contains two positive integer x and y separated by a single space.

Output Format

For each query, display 'Even' if the value returned is Even, otherwise display 'Odd'.

Constraints

$$2 \leq N \leq 10^5$$

$$2 \leq Q \leq 10^5$$

$$1 \leq x,y \leq N$$

$$x \leq y$$

Array is 1-indexed.

No 2 consecutive entries in the array will be zero.

Sample Input

```
3
3 2 7
2
1 2
2 3
```

Sample Output

```
Odd
Even
```

Explanation

$$\text{find}(1,2) = 9, \text{ which is Odd}$$

$$\text{find}(2,3) = 128, \text{ which is even}$$