## Game of Square

$A$ and $B$ are playing a game. They are given a number $N$. They make moves in turn, A playing first. Each move consists of subtracting a perfect square(not less than 1) from the number, the player who faces 0 loses. You are given a number $N$, you have to find out whether A can win the game, if both A and B play optimally.

## Input

The first line contains $T$ - the number of test cases. The next T lines contain a number $n$.

## Output

For each test case, print "Win" if A can win the game, or else print "Lose", separated by new line.

## Constraints:

$T>=1 ; \mathrm{N}<=10^{\wedge} 5$

## Example

## Input:

5

1
2

3
16
10

## Output:

Win

Lose
Win
Win

Lose

