## Remove the Balls

There are $n$ boxes with $m_{i}$ balls in box $i$. Two players by turns must take away from a single box an arbitrary number of balls but at least one. You as one of the players start removing balls. If you take the last ball you lose.

## Input

In the first line the number $T$ of test cases ( $\mathrm{T}<=100$ ).
Then $T$ lines with $n(3<=n<=21)$ numbers $m_{i}\left(0<m_{i}<100\right)$.

## Output

For each test case win if you could win the game otherwise lose.

## Example

## Input:

3
111
112
1111
Output:
lose
win
win

