

# Triomino Game

[English](#)

[Vietnamese](#)

X and Y are playing the following game: They start with an empty  $2 \times N$  board and move alternately. X moves first. In a move, a player must place an L-triomino (shown on the right), in any of the 4 possible orientations, on the board. The piece placed must not overlap with a piece that has already been placed. The player that is unable to make a valid move loses.



Given the size of the board, find out who will win the game assuming that both X and Y play optimally

## Input

Input consists of multiple test-cases. The first line contains a single integer  $T$ , the number of test cases. ( $T \leq 50$ )

Each test-case consists of a single line containing a single integer  $N$ , the size of the board. ( $N \leq 800$ )

## Output

For each test-case, output a single line containing "X" or "Y" depending on who wins that game.

## Example

**Input:**

2  
3  
4

**Output:**

X  
Y