

Tip Top Game

Problem Statement:

Alim and sufian are two good friends. They loves to playing game with number recently they discover a new game name "Tip Top". The rule of the game is they took a number (**N**) randomly after that they find the all divisors of N. Then they starting to play the game first alim took a divisor, then sufian so on. The person who took the last divisor will win the game.

Every time the game started with alim . Now alim wants to know when he will win.

As you a good programmer your task is to find will alim win or not.

Input:

Input starts with an integer **T** ($T \leq 10^5$), denoting the number of test cases. Each case starts with a line containing an integer **N** ($1 \leq N \leq 10^{18}$) the number.

Output:

For each case you have to print "**Yes**" if alim will win otherwise "**No**" with case number. See the sample input/output for exact formatting.

Sample Input/Output:

Sample Input	Sample Output
2	Case 1: Yes
4	Case 2: No
5	

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