

## Question 1

Correct

Marked out of 10.00

Alice and Bob are playing a game called "Stone Game". Stone game is a two-player game. Let N be the total number of stones. In each turn, a player can remove either one stone or four stones. The player who picks the last stone, wins. They follow the "Ladies First" norm. Hence Alice is always the one to make the first move. Your task is to find out whether Alice can win, if both play the game optimally.

Input Format

First line starts with T, which is the number of test cases. Each test case will contain N number of stones.

Output Format

Print "Yes" in the case Alice wins, else print "No".

Constraints

$1 \leq T \leq 1000$

$1 \leq N \leq 10000$

Sample Input and Output

Input

3

1

6

7

Output

Yes

Yes

No

For example:

Input	Result
3	Yes
1	Yes
6	No
7	

Answer: (penalty regime: 0 %)

```

1 for i in range(int(input())):
2     no_of_stones=int(input())
3     alice_cond=no_of_stones%4
4     if no_of_stones<3:
5         if no_of_stones%2!=0:
6             print("Yes")
7     elif(alice_cond==0):
8         if (no_of_stones//4)%2!=0:
9             print("Yes")
10    else:
11        print("NO")
12    elif alice_cond%2==0:
13        print("Yes")
14    else:
15        print("No")

```

	Input	Expected	Got	
✓	3	Yes	Yes	✓
	1	Yes	Yes	
	6	No	No	
	7			

Passed all tests! ✓