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Switch to Non-IDE mode

Contest Code: [LTIME105D](#) Problem Code: [NIBBLE](#)



In computing, the collection of **four bits** is called a **nibble**.

Chef defines a program as:

- **Good**, if it takes exactly X nibbles of memory, where X is a positive integer.
- **Not Good**, otherwise.

Given a program which takes N **bits** of memory, determine whether it is **Good** or **Not Good**.

Input Format

- First line will contain T , number of test cases. Then the test cases follow.
- The first and only line of each test case contains a single integer N , the number of bits taken by the program.

Output Format

For each test case, output **Good** or **Not Good** in a single line. You may print each character of **Good** or **Not Good** in uppercase or lowercase (for example, **GoOd**, **GOOD**, **good** will be considered identical).

Constraints

- $1 \leq T \leq 1000$
- $1 \leq N \leq 1000$

Subtasks

Subtask #1 (100 points): original constraints

Sample Input 1

```
4
8
17
52
3
```

Sample Output 1

```
Good
Not Good
Good
Not Good
```



Explanation

Test case 1: The program requires 8 bits of memory. This is equivalent to $\frac{8}{4} = 2$ nibbles. Since 2 is an integer, this program is good.

Test case 2: The program requires 17 bits of memory. This is equivalent to $\frac{17}{4} = 4.25$ nibbles. Since 4.25 is not an integer, this program is not good.

Test case 3: The program requires 52 bits of memory. This is equivalent to $\frac{52}{4} = 13$ nibbles. Since 13 is an integer, this program is good.

Test case 4: The program requires 3 bits of memory. This is equivalent to $\frac{3}{4} = 0.75$ nibbles. Since 0.75 is not an integer, this program is not good.

Status Correct Answer  Time 0.13 sec Solution 59278048 

Sub-Task	Task #	Result (time)
1	1	AC (0.071799)
1	2	AC (0.130411)
Subtask Score: 100.00%		Result - AC
Total Score = 100.00%		

JAVA   Code gets autosaved every second    

```
1  /* package codechef; // don't place package name! */
2
3  import java.util.*;
4  import java.lang.*;
5  import java.io.*;
6
7  /* Name of the class has to be "Main" only if the class is public. */
8  class Codechef
9  {
10     public static void main (String[] args) throws java.lang.Exception
11     {
12         Scanner sc = new Scanner(System.in);
13         int n = sc.nextInt();
14         for(int i = 0; i < n; i++){
15             int a = sc.nextInt();
16             if(a % 4 == 0){
17                 System.out.println("Good");
18             }
19             else{
20                 System.out.println("Not Good");
21             }
22         }
23     }
24 }
25
```

15:20 


Open File

Run

Submit

Custom Input

4
8
17
52
3

Status Successfully executed Date 2022-03-01 15:10:53 Time 0.078352 sec Mem 41.584 kB 

Input

4
8
17
52
3

Output

Good
Not Good
Good
Not Good

Important Links of our resources & information -

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Online IDE

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