## horizontal line

## **Ugly Numbers**

# **Problem Statements :**

You are provided a sequence of number. All numbers of that sequence is in increasing order (including 1) and whose only prime factors are 2, 3 or 5 (except 1). You need to find the nth number of that sequence.

# **Input Format :**

First line contains integer t which is number of test case.

For each test case, it contains an integer n.

**Constraints :**

1<=t<=100

1<=n<=100

**Output Format :**

Print nth number of that sequence.

# **Sample Input :**

2

7

10

**Sample Output :**

8

12

**Explanation :**

Sequence : 1, 2, 3, 4, 5, 6, 8, 9, 10, 12, .....

2nd test case : 000, 001, 010, 100, 101

**Time Limit :**

none