


# Threebonacci Sequence

By Victor Marcilio Peixoto, UNIVASF  Brazil

**Timelimit: 1**

A number belongs to Threebonacci sequence if it belongs to Fibonacci (consider 1 as being the first number in this sequence) sequence and satisfy at least one criteria below:

1 – The number representation contains at least one digit 3.

2 – The number is a multiple of 3.

## Input

Each test case contains an integer  $N$  ( $1 \leq N \leq 60$ ). Input ends with EOF.

## Output

For each test case print a single line containing the  $N^{\text{th}}$  term in Threebonacci sequence.

Input Sample	Output Sample
--------------	---------------

1	3
---	---

3	21
---	----

Contest Sigma - 2014