Yandex ( Hello Muscat Programming bootcamp 2019 by Moscow Workshops ICPC

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# Day 1 Div C. Dynamic Programming

9 Mar 2019, 20:46:30 start: 9 Mar 2019, 17:00:00 finish: 9 Mar 2019, 21:00:00

till the end: 00:13:27

start: 9 Mar 2019, 17:00:00 end: 9 Mar 2019, 21:00:00

duration: 04:00:00

### G. Stones

Time limit	1 second
Memory limit	64Mb
Input	standard input or input.txt
Output	standard output or output.txt

 ${\it N}$  stones lie on a table. There are tow players. On each move, player can take:

- I or 2 stones if N is divided by 3;
- 1 or 3 stones if N 1 is divided by 3;
- 1, 2 or 3 stones if N 2 is divided by 3;

Each move can be done only if there are enough stones to take. The player who cannot move, lose the game.

The question is: which player has an optimal strategy to win?

#### Input format

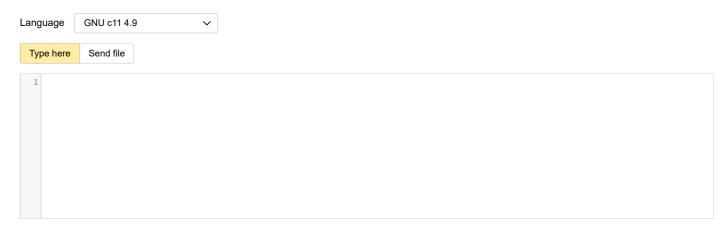
First line contains number N ( $1 \le N \le 100$ ).

### **Output format**

Print 1 or 2 - number of player winning the game.

## Sample

Input	Output
1	1



3/9/2019

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