

Problem B

A Big Number

Time limit: 1s
Memory Limit: 8MB

Given a number N . Your task is to compute $F(N)$, where

If $N > 0$, $F(N) = F(N/3) + F(N/4) + 1$
Else $F(N) = 1$

Input

The input consists of 1 integer N ($0 \leq N \leq 2^{30}$) that represents the number N .

Output

Output $F(N)$

1st Sample Input
1
Output for 1st Sample Input
3

2nd Sample Input
10
Output for 2nd Sample Input
9

3rd Sample Input
100

Output for 3rd Sample Input
33

Note: Always print a newline (\n) at the end of the answer.