Problem B

A Big Number

Time limit: 1s Memory Limit: 8MB

Given a number N. Your task is to compute F(N), who	ere
---	-----

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

Input

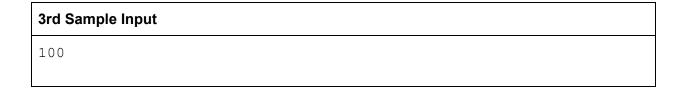
The input consists of 1 integer N $(0 \le N \le 2^{30})$ that represents the number N.

Output

Output F(N)

1st Sample Input

1
Output for 1st Sample Input
Output for 1st Sample input
3
2nd Sample Input
10
Output for 2nd Sample Input



Output for 3rd Sample Input	
33	

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