

# F. 000001

time limit per test: 1 second  
memory limit per test: 256 megabytes  
input: standard input  
output: standard output

## Input

The input contains a single integer  $a$  ( $1 \leq a \leq 64$ ).

## Output

Output a single integer.

## Examples

input
2
output
1
input
4
output
2
input
27
output
5
input
42
output
6