## A. Da Vinci Powers

time limit per test: 2 seconds memory limit per test: 64 megabytes input: standard input

output: standard output

## Input

The input contains a single integer a ( $0 \le a \le 35$ ).

## Output

Output a single integer.

## **Examples**

input	
3	
output	
8	

input	
10	
output	
1024	