

A. Crystal Ball Sequence

time limit per test: 2 seconds
memory limit per test: 256 megabytes
input: standard input
output: standard output

Crystal ball sequence on hexagonal lattice is defined as follows: n -th element is the number of lattice points inside a hexagon with $(n + 1)$ points on each side. The formula is $H_n = 3 \cdot n \cdot (n + 1) + 1$. You are given n ; calculate n -th element of the sequence.

Input

The only line of input contains an integer n ($0 \leq n \leq 9$).

Output

Output the n -th element of crystal ball sequence.

Sample test(s)

input

1

output

7

input

3

output

37

Surprise Language Round #7

Finished

Practice



→ Languages

The following languages are only available languages for the problems from the contest

Surprise Language Round #7:

- FALSE

→ Submit?

Language: FALSE

Choose file: 未选择文件。

→ Problem tags

implementation

No tag edit access

→ Contest materials

- Tutorial 