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PROBLEMS SUBMIT STATUS STANDINGS CUSTOM TEST

## 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 ( $0 \le n \le 9$ ).

## Output

Sample test(s)

Output the n-th element of crystal ball sequence.

input			
1			
output			
7			
input			
3			
output			
37			

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Tutorial

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