## 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**

Output the n-th element of crystal ball sequence.

## **Examples**

nput	
utput	
nput	
utput	
7	