

# Solve the series

Given a series 7, 15, 32, ..... Find the nth term of this series.

Examples :

Input : 5 Output : 138

Input : 7 Output : 568

## Input Format

one integer

## Constraints

$1 \leq n \leq 10^7$

## Output Format

one integer

## Sample Input 0

3

## Sample Output 0

32