Series 2

30 POINTS

Write a program to accept an integer N from the standard input device and compute the sum of first N terms of the following series:
$(1^2) + (1^2 + 2^2) + (1^2 + 2^2 + 3^2) + ...$

Input format:
A single line of input containing N

Output format:
A single line output containing sum of first N terms of given series

Constraints:

1. $0 \leq N \leq 100$

Test Case - 1
3
20
Explanation: $1^2 + (1^2 + 2^2) + (1^2 + 2^2 + 3^2) = 1 + (1 + 4) + (1 + 4 + 9) = 1 + 5 + 14 = 20$

Problem tags:

THE COMPLETE C COURSE EASY