S - Squares sum

Given a positive integer N, print the sum of squares of 1st N natural numbers.

**Input Format**

First and only line of input contains positive integer - N.

**Constraints**

1 <= N <= 103

**Output Format**

Print the sum of squares of 1st N natural numbers.

**Sample Input 0**

15

**Sample Output 0**

1240

**Explanation 0**

Self Explanatory