T - Cubes sum

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

**Input Format**

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

**Constraints**

1 <= N <= 102

**Output Format**

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

**Sample Input 0**

4

**Sample Output 0**

100

**Explanation 0**

Self Explanatory