Sum the Squares

ZPRAC-16-17-Lab2

[30 points]

Recently, your friend Nishant has developed a liking for square numbers. Help him by writing a program to find the sum of the squares of Natural numbers from s to e ($s \le e$ and $e \le 10^3$)

Input:

 Input contains two space separated natural numbers s and e.

Output:

 Print the sum $s^2+(s+1)^2+\cdots+e^2$

Example:

Input:

1 2

Output:

5