SMPSUM - Iterated sums

[#basics](http://www.spoj.com/problems/tag/basics)

Please compute the sum of squares for the given numbers: *a*, *a*+1, ..., *b*-1, *b*.

Input

Two numbers: *a* and *b* separated by space, where 1 <= *a* <= *b* <=100.

Output

Computed sum: *a*\**a* + (*a*+1)\*(*a*+1) + ... + (*b*-1)\*(*b*-1) + *b*\**b*

Example

**Input:**

1 4

**Output:**

30

Example 2

**Input:**

5 6

**Output:**

61

<http://www.spoj.com/problems/SMPSUM/>

--ACEPTADO--

#include<iostream>

#include <stdio.h>

//#include <conio.h>

int main(){

int a,b;

scanf("%d %d", &a, &b);

int sum = 0;

for(int i = a; i <= b; i++)

{

sum += i\*i;

}

printf("%d\n", sum);

//getch();

return 0;

}