

Task. Increasing sequences

We consider a sequence of length n composed of different integers taken from the range of 1 till k . Write program **seq** that finds the count of all sequences described above, in which elements are in increasing order.

Input: The values of the two integers k and n , separated by a space.

Output: One integer equal to the required count.

Constraints: $0 < k < 50$, $0 < n < 50$.

Example**Input**

4 3

Output

4

Explanation: There are 4 sequences for the input data of the example and they are: 1,2,3; 1,2,4; 1,3,4; 2,3,4.