

# Choosing staff to work on open days

At university open days, we need to have a certain number of staff available - let's say we need  $R$  ambassadors to show people around and greet visitors. There is a pool of  $N$  ambassadors that have signed up to work on open days.

On a particular open day, how many possible combinations of  $R$  ambassadors can be drawn from a pool of  $N$ ?

For instance, if we need 2 ambassadors and there are 3 signed up ( $N=3$ ,  $R=2$ ) the answer would be 3.

## Input

A single line of text with two integers,  $N$  and  $R$ .  $R < N < 200$

## Output

A single integer representing the number of possible combinations of ambassadors.

## Example

**Input:**

10 3

**Output:**

120