

AVERYEASYPROBLEM

PROBLEM6: AVERYEASYPROBLEM

Problem Statement:

Given two numbers a and b find the value of $a!/b!$

Input:

The first line consists of an integer t, the number of test cases. Then the next t lines consists of two integers a and b.

Output:

For each test case print the value of $\text{factorial}(a) / \text{factorial}(b)$

Input Constraints:

$1 \leq t \leq 100$

$0 \leq b \leq a \leq 15$

Example

Sample Input:

3

15 0

13 2

1 0

Sample Output:

1307674368000

3113510400

1