# **Counting**

Given integers N and M, output in how many ways you can take N distinct positive integers such that sum of those integers is  $\leftarrow M$ . Since the result can be huge, output it modulo 100000007 (10^9 + 7)

 $N \le 20$ 

 $M \le 100000$ 

## Input

First line of input is number **t**, number of test cases. Each test case consists only of 2 numbers N and M, in that order.

### **Output**

Output the answer asked for in the description.

## **Example**

#### Input:

4

6 16

4 16

1 14

3 7

#### **Output:**

0

27

14 2