

# Pui and Grid

## Assignment 2

Computer Programming

Due date: 10th October, 2019

**Description:** Pui lives on a grid of infinite size and is presently standing at cell  $(0, 0)$ . He wants to go to the cell  $(x, y)$  but is confused how to reach there. There are just so many ways! Help him find the number of ways to reach there. He wants to get there as fast as possible.

### Input

First line contains an integer  $T$ , the number of testcases.

$T$  lines follow containing 2 integers:  $x$  and  $y$ .

### Output

Print the number of ways to get to the required cell. As the answer can be very large output the answer modulo  $10^9 + 7$

### Constraints

$1 \leq T \leq 10^5$

$0 \leq x, y \leq 10^6$

### Sample Test Case

Input	Output
2	1
0 5	2
1 1	