

Combination

Description

Compute the value of ${}_nC_k$.

Input

Your program is to read from standard input. In the first line you are given the number of test cases T ($1 \leq T \leq 1,000$). Each of next T lines contains n and k separated by space. ($0 \leq k \leq n \leq 1000$)

Output

Your program is to write to standard output. Print the **remainder** of ${}_nC_k$ by **1,000,000,007**.

Sample

Input	Output
7	1
5 0	5
5 1	10
5 2	10
5 3	5
5 4	1
5 5	230140938
1000 86	