J *Marbles*

How many different ways you can distribute **N (distinguishable)** marbles into **K** boxes where each box should contain at least **X** marbles? Two distributions are considered different if there is at least one marble which is contained by different boxes in the distributions.

Input

First line of the input contains **T (1<=T<=50)** which is the number of test cases. Each of the following **T** lines contains three space separated integers **N, K** and **X (1<=X<=N<=100000** and **1<=K<=50).**

Output

Output the case number, followed by the required quantity. Output the result modulo **1000000007**.

Sample Input	**Sample Output**
3 4 2 2 10 5 3 900 5 20	Case 1: 6 Case 2: 0 Case 3: 76094425

For the 1st case the possible distributions are (the i-th element is the box number for the i-th marble) : {1,1,2,2}, {1,2,1,2}, {1,2,2,1}, {2,2,1,1}, {2,1,2,1}, {2,1,1,2}.

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