1145 – Dice (I)

You have **N** dices; each of them has **K** faces numbered from **1** to **K**. Now you have arranged the **N** dices in a line. You can rotate/flip any dice if you want. How many ways you can set the top faces such that the summation of all the top faces equals **S**?

Now you are given **N, K, S**; you have to calculate the total number of ways.

Input

Input starts with an integer **T (≤ 25)**, denoting the number of test cases.

Each case contains three integers: **N (1 ≤ N ≤ 1000), K (1 ≤ K ≤ 1000)** and **S (0 ≤ S ≤ 15000)**.

Output

For each case print the case number and the result modulo **100000007**.

Sample Input	Output for Sample Input
5 1 6 3 2 9 8 500 6 1000 800 800 10000 2 100 10	Case 1: 1 Case 2: 7 Case 3: 57286574 Case 4: 72413502 Case 5: 9