1193 – Dice (II)

You have **N** dices; each of them has **K** faces numbered from **1** to **K**. Now you can arrange the **N** dices in a line. If the summation of the top faces of the dices is **S**, you calculate the score as the multiplication of all the top faces.

Now you are given **N, K, S**; you have to calculate the summation of all the scores.

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) 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: 3 Case 2: 84 Case 3: 74335590 Case 4: 33274428 Case 5: 165