

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** ($1 \leq N \leq 1000$), **K** ($1 \leq K \leq 1000$) and **S** ($0 \leq S \leq 15000$).

Output

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

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