# 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<br>1 6 3<br>2 9 8<br>500 6 1000<br>800 800 10000<br>2 100 10 | Case 1: 1<br>Case 2: 7<br>Case 3: 57286574<br>Case 4: 72413502<br>Case 5: 9 |