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 $T (\leq 25)$, denoting the number of test cases.

Each case contains three integers: N ($1 \le N \le 1000$) K ($1 \le K \le 1000$) S ($0 \le S \le 15000$).

Output

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

| Sample Input | Output for Sample Input |
|---------------|-------------------------|
| 5 | Case 1: 3 |
| 1 6 3 | Case 2: 84 |
| 2 9 8 | Case 3: 74335590 |
| 500 6 1000 | Case 4: 33274428 |
| 800 800 10000 | Case 5: 165 |
| 2 100 10 | |