

## 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:  $N$  ( $1 \leq N \leq 1000$ )  $K$  ( $1 \leq K \leq 1000$ )  $S$  ( $0 \leq S \leq 15000$ ).

### Output

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

Sample Input	Output for Sample Input
5	Case 1: 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	