

## Problem F: Super Gifts

Time Limit: 5 seconds

### Description

How many different ways you can distribute  $N$  (distinguishable) gifts to  $K$  children where each child should receive at least  $M$  gifts? Two distributions are considered different if there is at least one gift which is given to different children in the distributions.

### Input

A number of inputs ( $\leq 100$ ) with three space separated integers  $N$ ,  $K$  and  $M$  ( $1 \leq M, K \leq N \leq 100000$ ), one on each line.

### Output

Output one line per input, the answer modulo  $1000000007$ .

### Sample Input

```
4 2 2
100000 7 2000
```

### Sample Output

```
6
516629367
```