DP Combination

Lab 7
Computer Programming
Due date: 23 October, 2019

Problem Statement: Find $^{n}C_{r}$ modulo m.

Input
First line of input has T, number test cases. Each test case has three space separated integers, n, r and m.
Output
For each test case, output single integer denoting $^{n}C_{r}$ modulo m.

Constraints
$1 \leq T \leq 10^{2}$
$0 \leq n \leq 10^{3}$
$0 \leq r \leq n$
$1 \leq m \leq 10^{9} + 7$

Time Limit: 1 sec
Memory Limit: 256 MB

Sample Test Case

Input	Output
3	0
1 1 1	1
100 100 100	0
100 50 2	