# Project Euler \#181: Investigating in how many ways objects of two different colours can be grouped. 

This problem is a programming version of Problem 181 from projecteuler.net
Having three black objects $B$ and one white object $W$ they can be grouped in 7 ways like this: $\{(B B B W),(B, B B W),(B, B, B W),(B, B, B, W),(B, B B, W),(B B B, W),(B B, B W)\}$.

In how many ways can $n$ black objects $B$ and $m$ white objects $W$ be thus grouped?
Print the answer after taking modulo by $\left(10^{9}+7\right)$.

## Input Format

The first line of each testcase contains an integer $q$. Each of following $q$ lines contain two integers $n$ and $m$ which is the number of black and white objects respectively.

## Constraints

- $1 \leq q \leq 30000$
- $0 \leq n, m \leq 160$
- $1 \leq n+m$


## Output Format

Print exactly $q$ lines, each containing a single integer which is the answer to the corresponding test modulo $10^{9}+7$.

Sample Input 0

```
31
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## Sample Output 0

$\square$

