Number of paths \square

Submissions: 23943 (/problem_submissions.php?pid=474) Accuracy: 51.77% Difficulty: Basic (https://practice.geeksforgeeks.org/Basic/0/0/) Marks: 1

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Problems

The problem is to count all the possible paths from top left to bottom right of a **MxN** matrix with the constraints that from each cell you can either move to **right** or **down**.

Input:

The first line of input contains an integer **T**, denoting the number of test cases. The first line of each test case is **M** and **N**, M is number of rows and N is number of columns.

Output:

For each test case, print the number of paths.

Constraints:

 $1 \le T \le 30$

 $1 \le M, N \le 10$

Example:

Input

2

33

28

Output

6

8

Explanation:

Testcase 1: Let the given input 3*3 matrix is filled as such:

ABC

DFF

GHI

The possible paths which exists to reach 'I' from 'A' following above conditions are as follows:

ABCFI, ABEHI, ADGHI, ADEFI, ADEHI, ABEFI.

** For More Input/Output Examples Use 'Expected Output' option **

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Monokai
                                          C++ (g++ 5.4)
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 #include<iostream>
2
  using namespace std;
   int main()
3
4
    {
5
       int t,m,n;
       cin>>t;
6
       while(t--){
7
            cin>>m>>n;
8
```

pid=474&isSolved=ALL&lang=ALL&user=Self)

return 0;

9 10

11

}