

Playboy Easy

 locked

Problem

Submissions

Leaderboard

Discussions

Akash is naughty playboy. But today, he got a job at CodeNation and he is a super happy soul.

There are exactly N days left before he will join CodeNation's Dubai camp. Coincidentally, he also has exactly N girlfriends. So, Akash plans to spend exactly one day with each of his girlfriends. You are jealous knowing about his plans, so to divert yourself, you focus on finding the number of ways Akash can plan his visits to his N girlfriends.

Example: Let's say Akash has to visit **3** girlfriends: ***A***, ***B***, ***C*** on **3** days. There are exactly **6** ways he can plan his trip:

1. A B C

2. A C B

3. B A C

4. B C A

5. C A B

6. C B A

Input Format

First Line: Integer T denoting number of test cases.

Each of Next T lines have one integer N , which denotes the number of days and the number of girlfriends Akash is planning to visit.

Constraints

$$1 \leq T \leq 10$$

$$1 \leq N \leq 10$$

Output Format

For each test case, print the number of ways Akash can plan his trip as described in the problem statement.

The answer to each test case must be printed in a new line.

Sample Input 0

```
5
1
2
3
4
5
```

Sample Output 0

```
1
2
6
24
120
```



Submissions: [112](#)

Max Score: 100

Difficulty: Easy

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C++20



```
1 #include <cmath>
2 #include <cstdio>
3 #include <vector>
4 #include <iostream>
5 #include <algorithm>
6 using namespace std;
7
8
9 int main() {
10     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
11     return 0;
12 }
```

Line: 1 Col: 1

 [Upload Code as File](#) ☐ [Test against custom input](#)

Run Code

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