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✔ Test Case #0	✔ Test Case #1	✔ Test Case #2
✔ Test Case #3		

Submitted Code

Language: C++	⑂ Open in editor

```
1  // Sample Input 0
2
3  // 2
```

```cpp
 4 // 3 2
 5 // 5 3
 6 // Sample Output 0
 7
 8 // 3
 9 // 10
10
11
12
13
14
15 #include <bits/stdc++.h>
16 using namespace std;
17
18
19 int nCr(int n, int r)
20 {
21
22
23     int ans = 1;
24
25     for (int i = 1; i <= r; i += 1) {
26
27
28         ans *= (n - r + i);
29         ans /= i;
30     }
31     return ans;
32 }
33
34
35 int total_ways(int N, int X)
36 {
37     return (nCr(N - 1, X - 1) + nCr(N - 1, X));
38 }
```

```cpp
39
40  // Driver code
41  int main()
42  {
43      int t;
44      cin>>t;
45      while(t-->0)
46      {
47          int N,X;
48          cin>>N>>X;
49          cout << total_ways(N, X)<<"\n";
50      }
51
52      return 0;
53  }
54
```