```cpp
#include<bits/stdc++.h>
using namespace std;
/*
    e = 1 + x/1 + x^2/2! + x^3/3! + x^4/4! + .... n-times

    sum(n-1) + n => sum(n) => 1 + 2 + 3 + 4 ..... n-times
    fact(n-1) * n => fact(n) => 1 * 2 * 3 * 4 .....n-times
    pow(x, n-1) * x => pow(x, n) => x * x * x * x * .... n-times
*/

int e(int x, int n)
{
    static int p = 1, f = 1;
    int r;

    if(n == 0)
        return 1;
    else{
        r = e(x, n-1); // After assign
        p = p * x;   // mull returning times ... follow like power
        f = f * n;  // mull returning times ... follow like factorial

        return r + p/f;

    }

}
int main()
{
    int x, n;
    x = 2, n = 4;

    cout << e(x, n) << endl;

}
```