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#include <iostream>
#include <chrono>
using namespace std;
} long long iterativefact (long long n)
{
    long long f=1;
    for (long long i=1;i<=n;i++)
        f*=i;
    return f;
}
long long recursivefact(long long n)
{
    if (n==1)
        return 1;
    return n*recursivefact(n-1);
}
}()int main()
{
    long long m , f=1;
    cin>m;
    auto start_time = std::chrono::high_resolution_clock::now();
    cout<<iterativefact(n)<<endl;
    auto end_time = std::chrono::high_resolution_clock::now();
    auto duration=std::chrono::duration_cast<std::chrono::microseconds>(end_time-start_time);
    std::cout<<"exe time:"<<duration.count()<<std::endl;
}

```