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■ C:\Users\asus\Desktop\未命名2.exe
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=2执行次数为: 1递推公式为: G(2)=1
1=3执行次数为:3递推公式为:G(3)=G(2)+G(1)=3
=4执行次数为:5递推公式为:G(4)=G(3)+G(2)=5
=5执行次数为:9递推公式为:G(5)=G(4)+G(3)=9
=6执行次数为:15递推公式为:G(6)=G(5)+G(4)=15
=7执行次数为:25递推公式为:G(7)=G(6)+G(5)=25
=8执行次数为:41递推公式为:G(8)=G(7)+G(6)=41
n=9执行次数为:67递推公式为:G(9)=G(8)+G(7)=67
n=10执行次数为:109递推公式为:G(10)=G(9)+G(8)=109
n=11执行次数为:177递推公式为:G(11)=G(10)+G(9)=177
    行次数为: 287递推公式为: G(12)=G(11)+G(10)=287
    465递推公式为: G(13)=G(12)+G(11)=465
    .行次数为:753递推公式为:G(14)=G(13)+G(12)=753
    4行次数为:1219递推公式为:G(15)=G(14)+G(13)=1219
    4行次数为:1973递推公式为:G(16)=G(15)+G(14)=1973
    行次数为:3193递推公式为:G(17)=G(16)+G(15)=3193
   丸行次数为:5167递推公式为:G(18)=G(17)+G(16)=5167
    4行次数为:8361递推公式为:G(19)=G(18)+G(17)=8361
=20执行次数为;13529递推公式为:G(20)=G(19)+G(18)=13529
n=21执行次数为:21891递推公式为:G(21)=G(20)+G(19)=21891
    行次数为:35421递推公式为:G(22)=G(21)+G(20)=35421
   丸行次数为:57313递推公式为:G(23)=G(22)+G(21)=57313
    行次数为:92735递推公式为:G(24)=G(23)+G(22)=92735
    行次数为: 150049递推公式为: G(25)=G(24)+G(23)=150049
     行次数为:242785递推公式为:G(26)=G(25)+G(24)=242785
    行次数为:392835递推公式为:G(27)=G(26)+G(25)=392835
    行次数为:635621递推公式为:G(28)=G(27)+G(26)=635621
    4行次数为:1028457递推公式为:G(29)=G(28)+G(27)=1028457
    行次数为: 1664079递推公式为: G(30)=G(29)+G(28)=1664079
    行次数为: 2692537递推公式为: G(31)=G(30)+G(29)=2692537
    .行次数为:4356617递推公式为:G(32)=G(31)+G(30)=4356617
    l.行次数为: 7049155递推公式为: G(33)=G(32)+G(31)=7049155
    .行次数为:11405773递推公式为:G(34)=G(33)+G(32)=11405773
     行次数为:18454929递推公式为:G(35)=G(34)+G(33)=18454929
    行次数为:29860703递推公式为:G(36)=G(35)+G(34)=29860703
     行次数为:48315633递推公式为:G(37)=G(36)+G(35)=48315633
   执行次数为:78176337递推公式为:G(38)=G(37)+G(36)=78176337
    行次数为:126491971递推公式为:G(39)=G(38)+G(37)=126491971
    行次数为: 204668309递推公式为: G(40)=G(39)+G(38)=204668309
    行次数为:331160281递推公式为:G(41)=G(40)+G(39)=331160281
      -次数为:535828591递推公式为:G(42)=G(41)+G(40)=535828591
    行次数为:866988873递推公式为:G(43)=G(42)+G(41)=866988873
       数为: 1402817465递推公式为: G(44)=G(43)+G(42)=1402817465
n=45执行次数为: 2269806339递推公式为: G(45)=G(44)+G(43)=2269806339
n=46执行次数为: 3672623805递推公式为: G(46)=G(45)+G(44)=3672623805
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/*朱俊泽 2351114 信15*/
#include < bits/stdc++.h>
using namespace std;
                                      递归方式,记忆化减少计算
#define int long long
#define endl '\n'
const int N = 50;
int dp[N];
int rem[N];
int dfs(int x)
           if(rem[x]!=-1)return rem[x];
           if(x = = 1 | | x = = 2)
                       dp[x] = 1;
                      rem[x]=1;
                      return 1;
           else
                       dp[x] = dfs(x-1) + dfs(x-2) + 1;
                      rem[x]=dp[x];
                       return dfs(x-1)+dfs(x-2)+1;
signed main()
           ios::sync_with_stdio(0),cin.tie(0),cout.tie(0);
           for(int i=1;i<=46;i++)rem[i]=-1;dfs(46);
           for (int i = 1; i < = 46; i + +)
                      if(i = 1 | | i = 2)
                                  cout<<"n="<<i<"执行次数为:
"<<dp[i]<<"递 推 公 式 为: "<<"G("<<i<<")="<<1<<endl;
                       else
                                  cout<<"n="<<i<"执行次数为:
" < < d p [ i ] < < " 递 推 公 式 为: " < < " G ( " < < i < < " ) = G ( " < < i - 1 < < " ) + G ( " < < i -
2 < < ") = " < < d p [i] < < e n d l;
           return 0;
```