

## PE 240

划分数搜一波然后加点剪枝

```
#include<bits/stdc++.h>
using namespace std;
typedef long long ll;
const int N=155;
int n=20,m=12,k=10,ed=70;
ll a[N],ans;
inline ll fac(int x){
    ll res=1;
    for (ll i=2;i<=x;++i) res*=i;
    return res;
}
inline void chk(){
    ll cnt=fac(n);
    for (int i=1;i<=m;++i)
        cnt/=fac(a[i]);
    ans+=cnt;
}
void dfs(int x,int cnt,int s){
    if (!x){
        if (cnt==n) chk();
        return;
    }
    for (int i=0;i+cnt<=n;++i){
        if (cnt<k && cnt+i>=k && s+((k-cnt)*x)!=ed) continue;
        a[x]=i;
        dfs(x-1,cnt+i,s+(x*i));
    }
}
int main(){
    dfs(m,0,0);
    printf("%lld\n",ans);
    return 0;
}
```