```
/ int s[]={0,};//用来新、物品重量、从S[1]存到S[0]
    int XT.7={0} // 用来标·记放了哪些脚品
    int C ; 1/哲包容量
          now=oi/当前指向中的脚岛髻
    int
          nowh=c;当前指向中的脚品螺
    int
   void backtrack (int i);
          if(i==n+1) return;
              if (now ==c)
            {for(int i=1) i<=n;itt)
               if (XCi)) cout<<ii;
              return;
             if (now+SCi) < C)
                nowt = Stij;
                X [i] = 1;
                backtrack(it1);
                NOW- = S[i]
                 X[i] =0; }
              if (nowh-sti) >c)
               nowh-=S[i];
backtrack(iti);
                 nowh f = S[i];
         int
               main ()
               hacktrack(1);
                return 0;
       2、C[ntl][ntl];//C[i][j]表流第分烷磷汤环酶用
            X[mi]://X[i)标序;顶工作由X[i]代说的.
            best X[]: 记录最代X[]
             COSt·记录当前费用
            bestost=b:最优少的解析初始的残
            void swap (inti, intj)
           Tint a;
             for (int R=1 i R < n) Rty)
                 a = c[k][i];
                  C(2)[i] = C(1)[i];
                  C(k)(i) = 0; i
                return; }
              void backtrack (i)
              { if (i == n+1)
               {if (cost < best cost)
                S best cost = cost;
                for ( i=1: i <= n; itt)
                  best X [i];
                  return ; ? }
               if (cost > best cost)
                   returns
              for (int j=i; j \sn jj \ta 1)
                 { COSt t = C[i][j]
                  Swap(i,j);
                  X[i]=j;
                 backtracklit1)
                 swap(i,j)
                 cost - = clijlji}
                   main()
              int
                  backtrack(1);
                 for (int i=1; i <= n; itt)
                 print("把第%成项价给第%化做VII",i,XCII);
                 Print 1 "需要花数的总数用为%d", best cost):
            3. int d[m][);连接换数组
              int X [n+1]={0,1,...n};//目前电路板的排函)
             int bestX[nt1];记录最优持(多)
              int
                   now max = 0;
               int bestmax = v;
             Void backtrock (int i)
              if ( i= n+1)
              { if (now max < best max)
                  for (int )=1: il=niitt)
                  bestX[i] = X[i];
                  best max = now max ; ]
               if (now mox > best max) return;
              for (int j=j; j <= n i j +t)
                 swap(j·j)j
                int t=find();
                 if (t < now max)
                   int m=nowmax;
                     nowmax=t;
                  backtrack (it1);
                    nowmax = m;
             Void Swap (int 1, int j)
                int t= X[i);
                  XCi)=XLj);
                  X[i] = t;
                  return;
            Void find ()
             int max=0;
for (int i=1; i<=m; i+t)
               { int low = back(dci)c())
                  int high = back[d(i)[])
                  for (intj=2; d[[]]!=0;jtt)
                   { if (back(d[i][j])<low)
                        (ow = back(d[i][j]);
                    if (back (dti)tj])>high)
                        high = back(d[i](ji);
                     max = ( high-low > max)? high low: max;
                   yeturn
                           max;
              void back (int t)
              for (int i =1; j <=n; j tt)
                  if(XIi) == t)
                    return;;
                 main()
            } for (int i=1: i<=n; itt)
             printf("常知鑑整(n".i, bestx[i]);
printf("有最小最大长度"M", best max);
              return 0;
```