**#include <iostream>**

**石子合并**

**using namespace std;**

**#define MAXN 105**

**#define INF 0x3f3f3f3f**

**int dp[MAXN][MAXN];**

**int sum[MAXN];**

**int buf[MAXN];**

**int main()**

**{**

**int n;**

**cin>>n;**

**for (int i=0;i<n;i++)**

**{**

**cin>>buf[i];**

**if (i==0)**

**sum[i]=buf[i];**

**else**

**sum[i]=sum[i-1]+buf[i];**

**}**

**for (int i=1;i<n;i++)//长度**

**{**

**for (int j=0;j<n-i;j++)//起点**

**{**

**int e = j + i; //终点**

**dp[j][e]=INF;**

**for (int k=j;k<e;k++)**

**dp[j][e]=min(dp[j][e],dp[j][k]+dp[k+1][e]+sum[e]-sum[j]+buf[j]);**

**}**

**}**

**cout<<dp[0][n-1]<<endl;**

**return 0;**

**}**