```
#include<bits/stdc++.h>
using namespace std;
const int big= 99999999;
int m[100][100];
int s[100][100];
int d[100];
int MCM(int i, int j){
    if(i==j) return 0;
    if(m[i][j]!=99999 ) return m[i][j];
    int cost= 9999999;
    for(int k=i; k< j; k++){</pre>
       cost= MCM(i,k) + MCM(k+1,j) + d[i-1]*d[k]*d[j];
       if(cost < m[i][j]){
       m[i][j]= cost;
        //cout<<m[i][j]<<endl;
        s[i][j]= k;
       }
    return m[i][j];
int main(){
    int n;
    int row[100], col[100];
    cin>>n;
    for(int i=0; i<n; i++){</pre>
        cin>>row[i]>>col[i];
        d[i]=row[i];
        d[i+1]=col[i];
    for(int i=0; i<=n; i++){</pre>
        for(int j=0; j<=n; j++) {</pre>
           m[i][j] = 99999;
            s[i][j] = -1;
    cout << MCM(1,4) << endl;
    cout<<s[1][4]<<endl;
}
/*
4
6 2
2 7
```