算法exercise06

homework

```
#include<iostream>
 #include<cstdio>
 #include<algorithm>
const int N = 100;
using namespace std;
int main()
     int i, j, n, a, b, c, d, ans = 0;
     int l[N], r[N], m[2][N] = {0}, w[N] = {0}, p[2][N] = {0};
     cin >> n;
    for(i=1;i<=n;i++) cin >> l[i] >> r[i]; //输入源数据
     m[0][1] = m[1][1] = 0;
     for (i=1; i<n; i++) //
         // a|b c|d
         // si si+1
         a = 1[i], b = r[i];
         c = 1[i+1], d = r[i+1];
         if((m[0][i] + b*c) > (m[1][i] + a*c))
             m[0][i+1] += m[0][i] + b*c, p[0][i+1] = 0; //ab cd
         else
             m[0][i+1] += m[0][i] + a*c, p[0][i+1] = 1; //ba cd
         if((m[0][i] + b*d) > (m[1][i] + a*d))
             m[1][i+1] += m[0][i] + b*d, p[1][i+1] = 0; //ab dc
         else
             m[1][i+1] += m[0][i] + a*d, p[1][i+1] = 1; //ba dc
     }
     if(m[0][n] > m[1][n])
         w[n] = 0, cout << m[0][n] << endl;
     else
         w[n] = 1, cout << m[1][n] << endl;
```