Standard Code Library

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一切的开始

宏定义

```
#include <bits/stdc++.h>
   using namespace std;
   using ll = long long;
   #ifndef ONLINE_JUDGE
   #define dbg(args...)
        do {
            cerr << "\033[32;1m" << #args << " -> "; \
            err(args);
       } while (0)
10
   #else
   #define dbg(...)
12
   #endif
   void err() { cerr << "\033[39;0m" << endl; }</pre>
   template <template <typename...> class T, typename t, typename... Args>
   void err(T<t> a, Args... args) {
        for (auto x : a) cerr << x << ' ';
        err(args...);
18
19
   template <typename T, typename... Args>
   void err(T a, Args... args) {
21
       cerr << a << ' ';
22
        err(args...);
23
25
   读人挂
   inline char nc() {
        static char buf[100000], *p1 = buf, *p2 = buf;
       return p1 == p2 &&
                       (p2 = (p1 = buf) + fread(buf, 1, 100000, stdin), p1 == p2)
                   ? EOF
                   : *p1++;
   template <typename T>
   bool rn(T& v) {
        static char ch;
10
        while (ch != EOF && !isdigit(ch)) ch = nc();
11
        if (ch == EOF) return false;
12
       for (v = 0; isdigit(ch); ch = nc()) v = v * 10 + ch - '0';
13
       return true;
14
15
16
   template <typename T>
   void o(T p) {
18
       static int stk[70], tp;
```

```
if (p == 0) {
20
            putchar('0');
21
            return;
22
        }
23
        if (p < 0) {
24
            p = -p;
25
            putchar('-');
26
27
        while (p) stk[++tp] = p \% 10, p /= 10;
28
        while (tp) putchar(stk[tp--] + '0');
29
   }
    快速幂
   11 pow(11 x, 11 n, 11 mod) {
        assert(n >= 0);
2
        11 ret = mod != 1;
        for (x \%= mod; n; n >>= 1, x = x * x \% mod)
            if (n & 1) ret = ret * x % mod;
        return ret;
   }
   11 inv(11 a, 11 p) { return pow(a, p - 2, p); }
    inline 11 mul(11 a, 11 b, 11 mod) {
        if (mod <= 1000000000)</pre>
10
            return a * b % mod;
11
        else if (mod <= 100000000000011)</pre>
            return (((a * (b >> 20) % mod) << 20) + (a * (b & ((1 << 20) - 1)))) % mod;
13
        else {
14
            11 d = (11)floor(a * (long double)b / mod + 0.5);
15
            ll ret = (a * b - d * mod) \% mod;
16
            if (ret < 0) ret += mod;
17
            return ret;
18
        }
19
20
   }
```

基础算法

查分前缀和

```
#include<iostream>
2 #include<algorithm>
3 using namespace std;
const int MAXN = 1e5+5;
5 int dif[MAXN];
   int main() {
        int n;
        cin>>n;
       for(int i = 1;i <= n;i++) {</pre>
            int 1,r;
10
            cin>>l>>r;
11
            dif[1]++,dif[r+1]--;
12
        }
       int sum = 0;
14
        for(int i = 1;i <= n;i++) {</pre>
            sum += dif[i];
16
            cout<<sum<<" ";
17
        }
19
       return 0;
20 }
```