**// 归并排序 统计逆序对**

**void merge(int x,int y) {**

**if (y-x<=1) return;**

**int m=(x+y)/2;**

**int p=x,q=m,i=x;**

**merge(x,m); merge(m,y);**

**while (p<m||q<y) {**

**if ( q>=y || (p<m && a[p]<=a[q]))**

**t[i++]=a[p++];**

**else { t[i++]=a[q++]; count += m-p;}**

**}**

**for (i=x;i<y;i++) a[i]=t[i];**

**}**

**// int Main()**

**merge(1,n+1); //a[1]~a[n]**

**printf("%lld\n",count);**