
Subject: SortedIndex and Less

Posted by [keltor](#) on Tue, 10 Sep 2013 15:34:38 GMT

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Hey there,

I am finally stepping into NTL and so far I like it a lot, much nicer than STL, I think. I have encountered a hurdle though.

I would like to sort a class. I provide what I thought was enough data to appease the NTL gods, but it seems I need some more stuff.

Here's a sample of my simple test program:

```
struct rho : Moveable<rho> {
    int x,y,z;

    rho(int x,int y,int z) : x(x), y(y), z(z) {}
    rho() {}
};

unsigned GetHashValue(const rho& p)
{
    return CombineHash(p.x, p.x, p.z);
}

bool operator==(const rho& a, const rho& b)
{
    return a.x == b.x && a.y == b.y && a.z == b.z;
}

bool operator < (const rho& a, const rho& b){
    return a.x == b.x ? (a.y == b.y ? a.z < b.z : a.y < b.y) : a.x < b.x;
}
```

Index<rho> works fine (without the operator < part), but SortedIndex<rho> does not. I looked at the StdLess<T> code and it seems that all it does is to provide a simple return a < b operation. What am I missing?

Thanks,

Kel
