

8.

(a) `void Leftist::Merge(Leftist & rhs).`

```
{  
    if(&this == &rhs)  
        return;  
  
    root = Merge(root, rhs.root);  
    rhs.root = NULL;  
}
```

`LeftistNode *Leftist::Merge(LeftistNode *h1, LeftistNode *h2)`

```
{  
    if(h1 == NULL) return h2;  
    if(h2 == NULL) return h1;  
    if(h1->element < h2->element) return Merge(h1, h2);  
    else return Merge(h2, h1);  
}
```

(b) void Leftist::reclaimMemory (LeftistNode *t)

```
{  
    if (t != NULL)  
    {  
        reclaimMemory (t->left);  
        reclaimMemory (t->right);  
        delete t;  
    }  
}
```

LeftistNode *Leftist::clone (LeftistNode *t)

```
{  
    if (t == NULL) return NULL;  
    else  
        return new LeftistNode (t->element, clone (t->left), clone (t->right),  
                                t->dist);  
}
```

(c) $O(1)$. $O(\log n)$.