

12-F4

优先级队列

左式堆：插入与删除

一招鲜，吃遍天

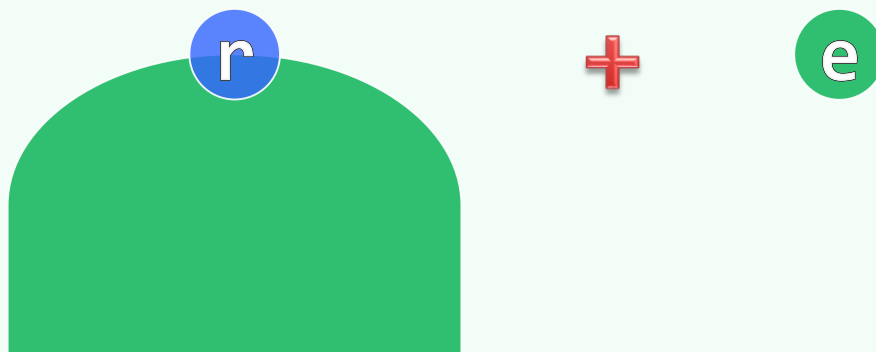
良田千顷，不如薄技在身

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插入

```
template <typename T> void PQ_LeftHeap<T>::insert( T e ) { //O(logn)  
  
    _root = merge( _root, new BinNode<T>( e, NULL ) );  
  
    _size++;  
  
}
```



删除

```
template <typename T> T PQ_LeftHeap<T>::delMax() { //O(logn)

    BinNodePosi<T> lHeap = _root->lc; if (lHeap) lHeap->parent = NULL;

    BinNodePosi<T> rHeap = _root->rc; if (rHeap) rHeap->parent = NULL;

    T e = _root->data;

    delete _root; _size--;

    _root = merge( lHeap, rHeap );

    return e;

}
```

