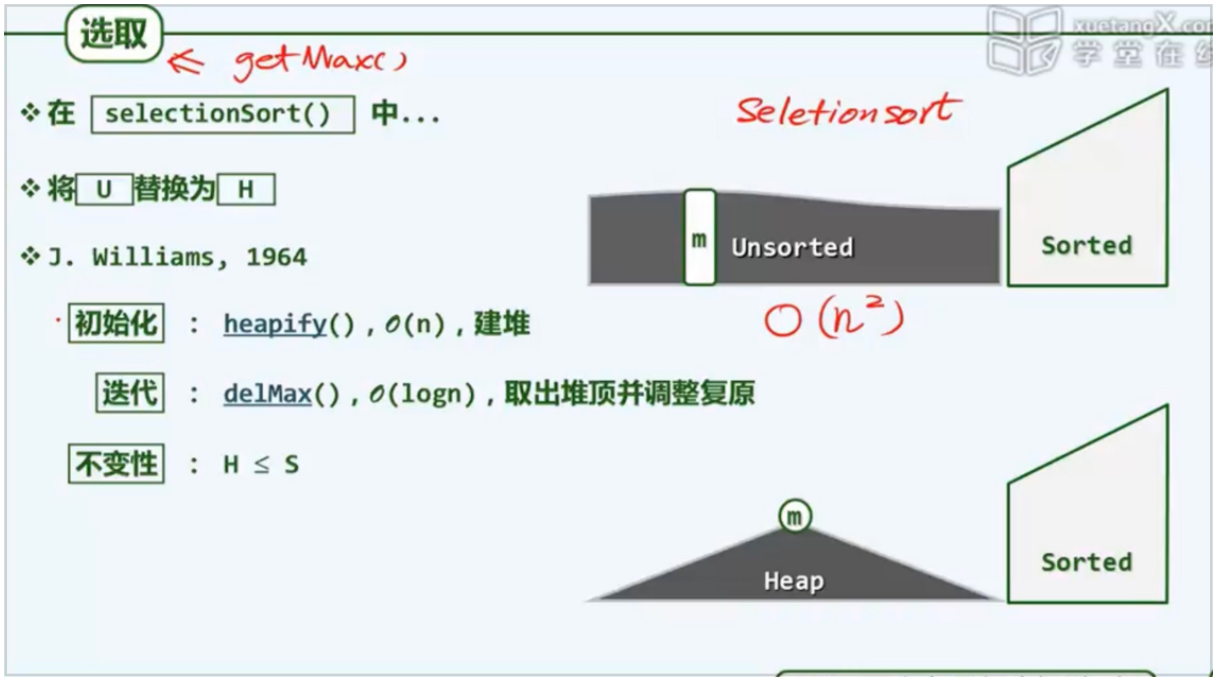
12C 堆排序

#数据结构邓神

算法

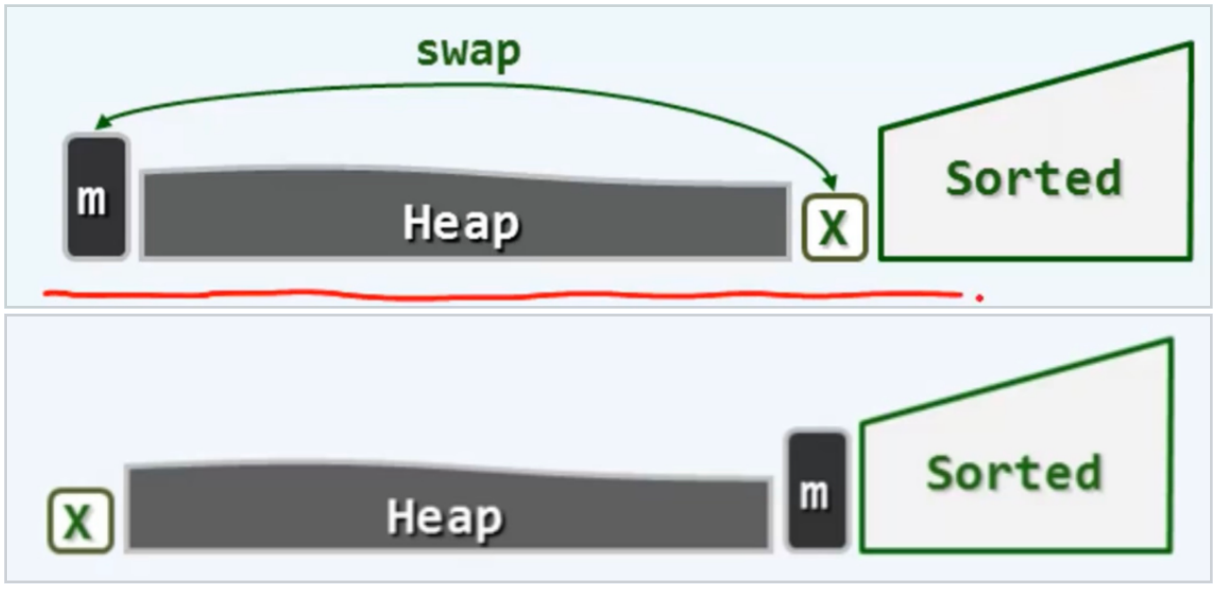


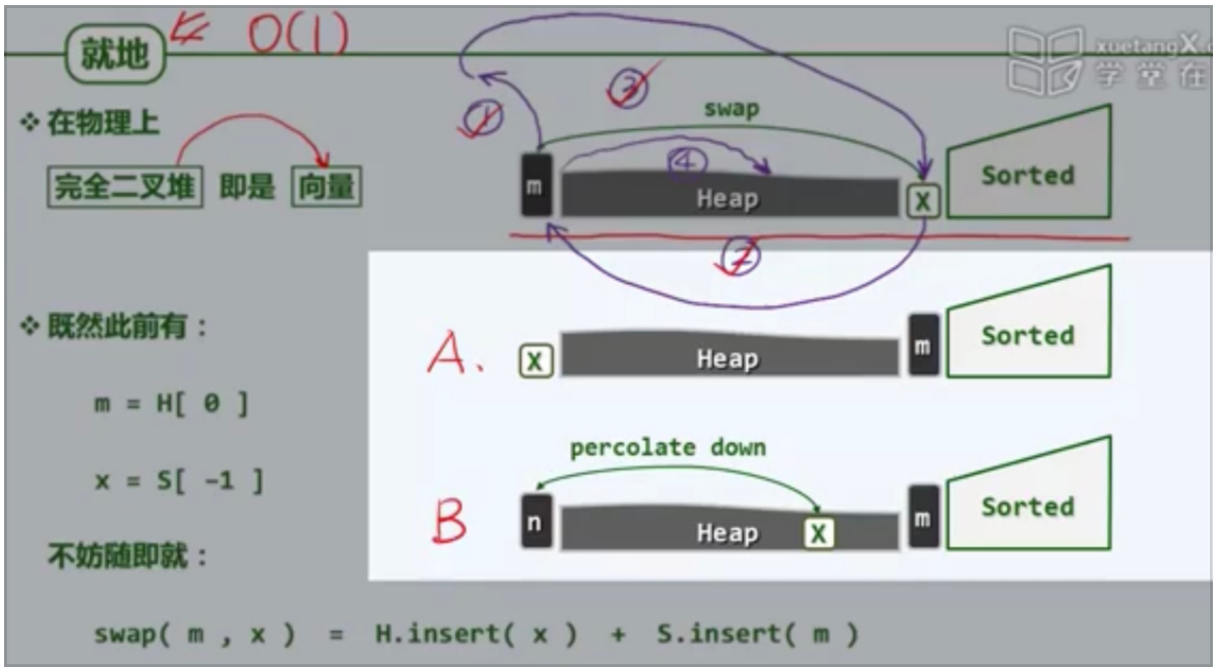
O(nlogn) 时间

等效于常规选择排序，正确无疑

就地 只使用O(1)的辅助空间

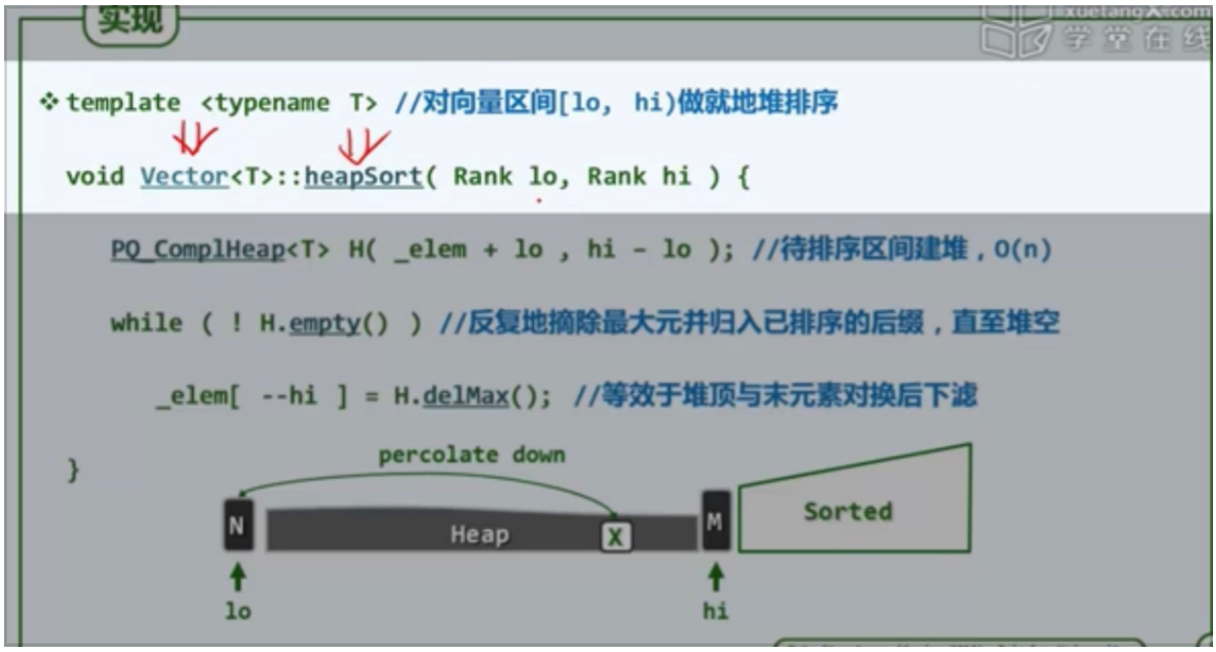
在物理上，完全二叉队就是向量





第一步交换，第二部下滤，反复操作就可以。

实现




```
template <typename T> void heapSort(Rank lo,Rank hi){
    PQ_complHeap<T> H(_elem + lo,hi-lo);
    while (H.empty()) {
        _elem[--hi] = H.delMax();
    }
}
```