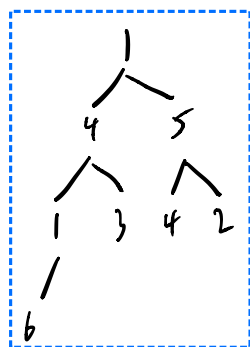


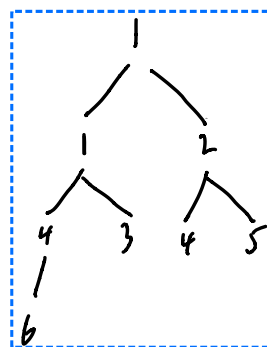
堆:

设初始列表:  $L = [1, 4, 5, 1, 3, 4, 2, 6]$ , 构建满二叉树为:



初始状态:

创建初始堆 minheap  
`heapq.heappush(heap, value)`



minheap = [1, 1, 2, 4, 3, 4, 5, 6]

通过 `heapq.heappop(minheap)` 弹出堆中最小值