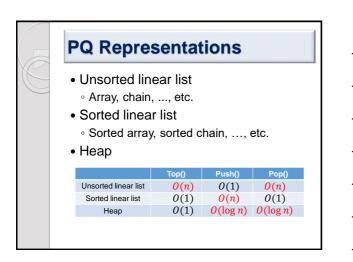
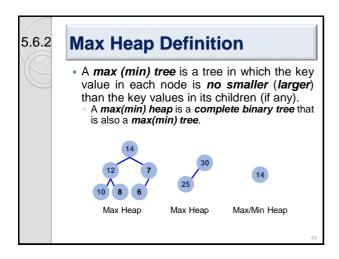
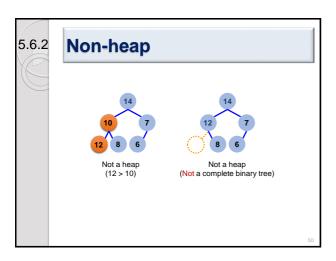


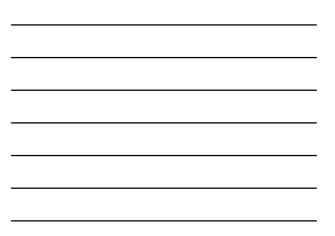
ADT: Priority Queue		
template < cla	ss T >	
class MaxPQ		
-		
, public:		
MaxPQ();		
~MaxPQ();		
// Check i	f PQ is empty	
bool IsEmp	ty() const;	
// Return	reference to the max	element
T& Top() c	onst;	
// Add an	element to the PQ	
void Push(	const T&);	
// Delete	element with max price	ority
void Pop()	;	
private:		
// Data re	presentation here	
//		
};		

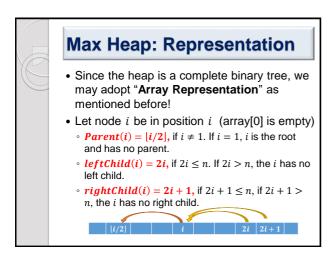


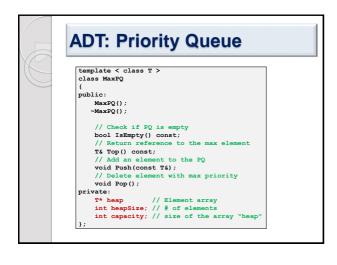


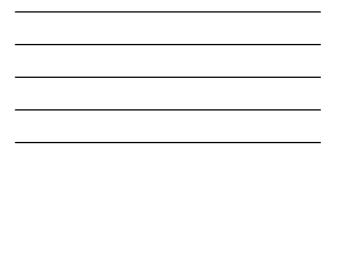


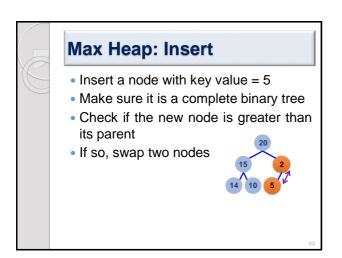


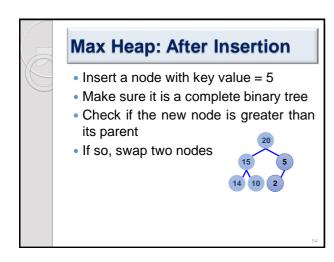


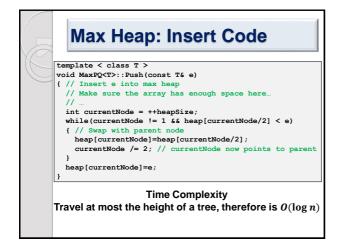


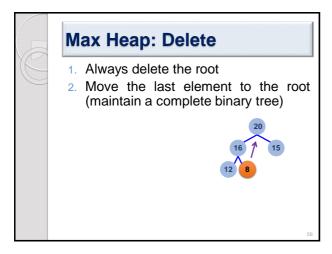












Max Heap: Delete

1. Always delete the root

 Move the last element to the root (maintain a complete binary tree)
Swap with the largest child (if any)



