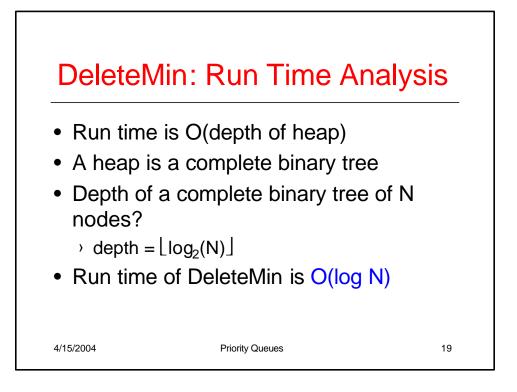
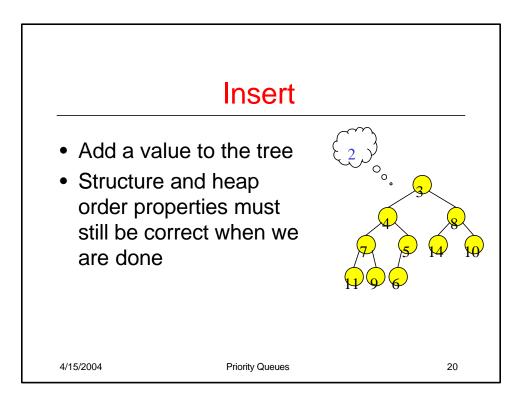
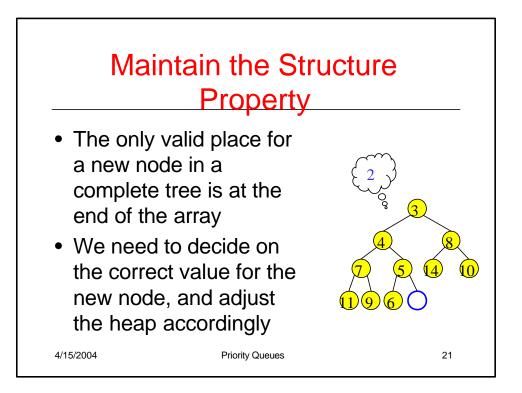
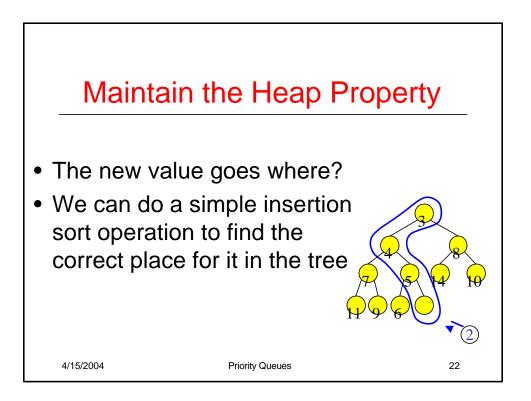


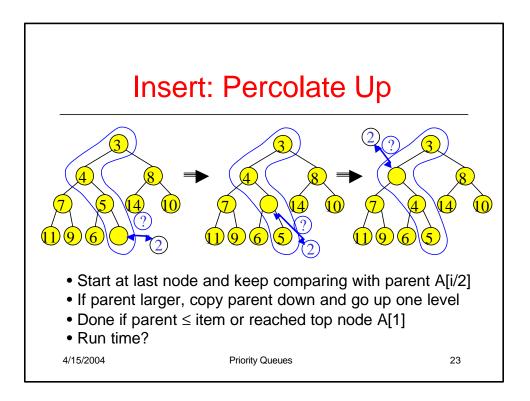
Percolate Down		
<pre>PercDown(i:integer, x: integer): {     // N is the number elements, i is the hole,         x is the value to insert Case{</pre>		
no children 2i > N :	<pre>A[i] := x; //at bottom// if A[2i] &lt; x then     A[i] := A[2i]; A[2i] := x; else A[i] := x;</pre>	
2 children 2i < N :	<pre>if A[2i] &lt; A[2i+1] then j := 2i; else j := 2i+1; if A[j] &lt; x then A[i] := A[j]; PercDown(j,x); else A[i] := x;</pre>	
}	Priority Queues	18

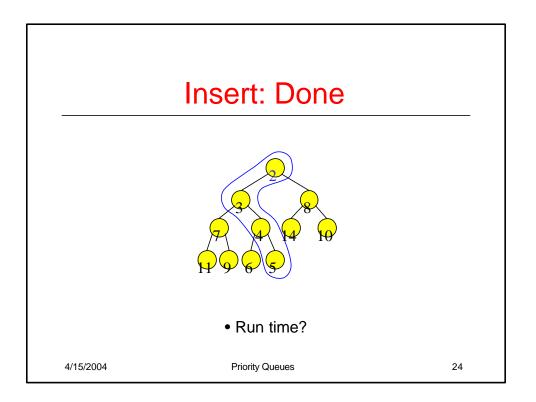


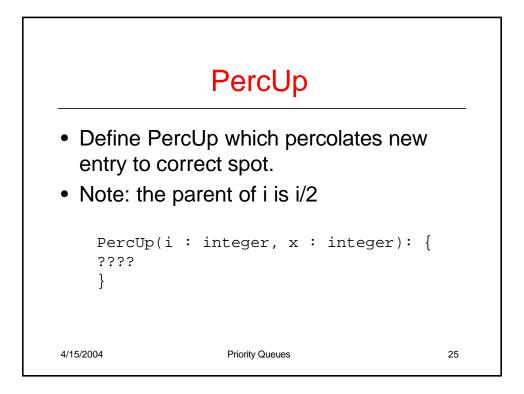


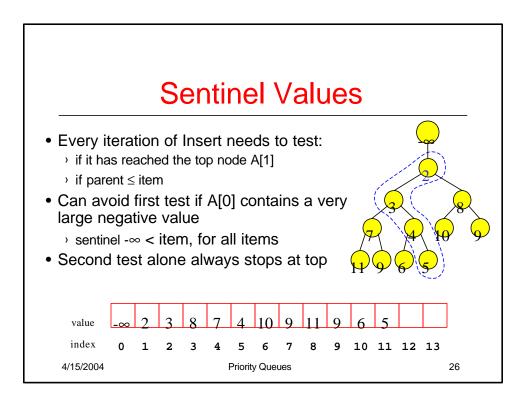


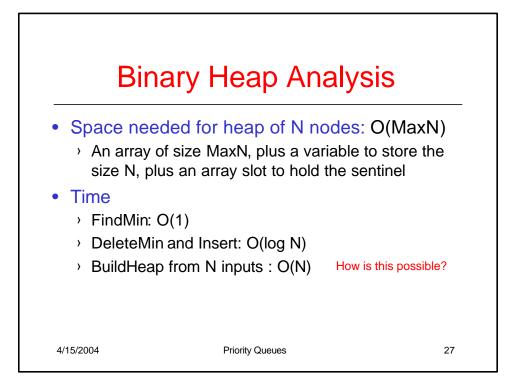


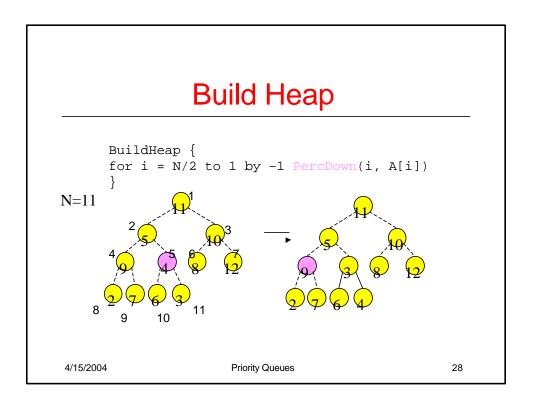


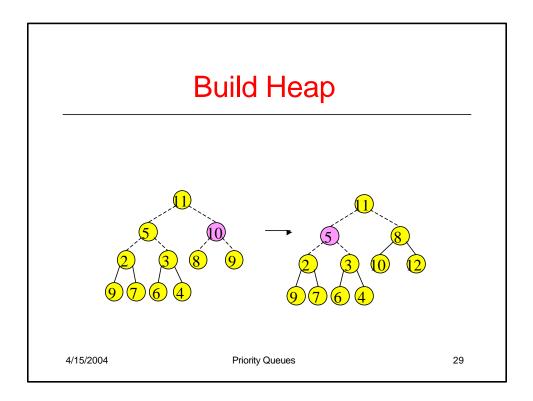


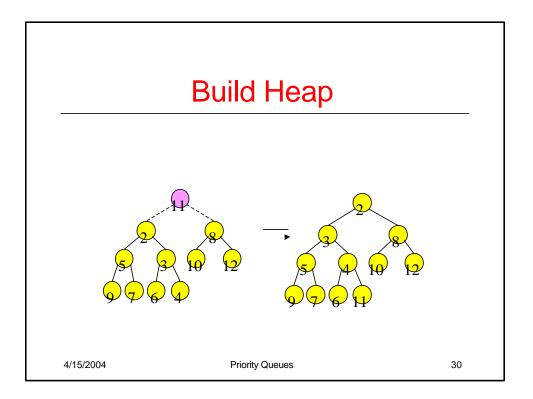


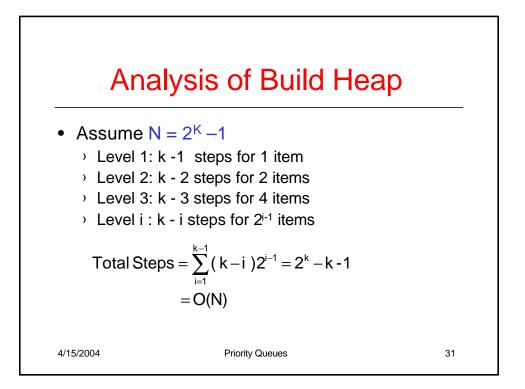


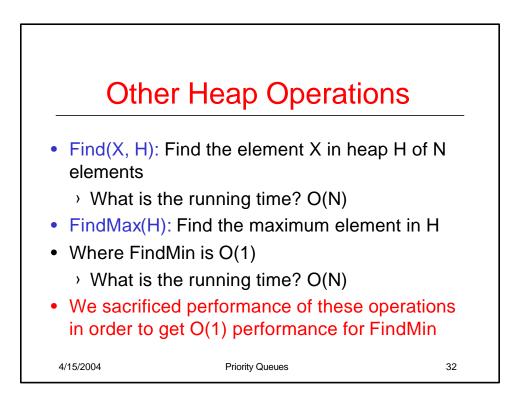


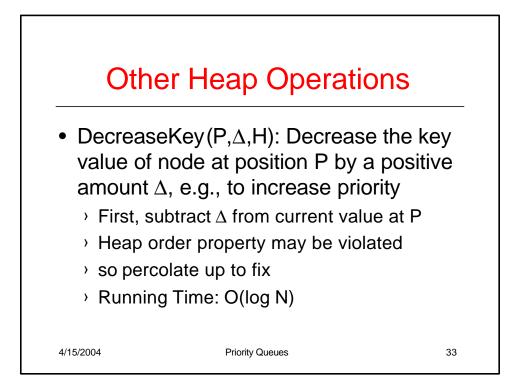


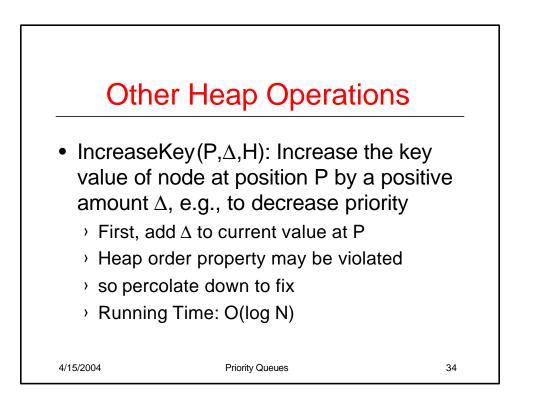


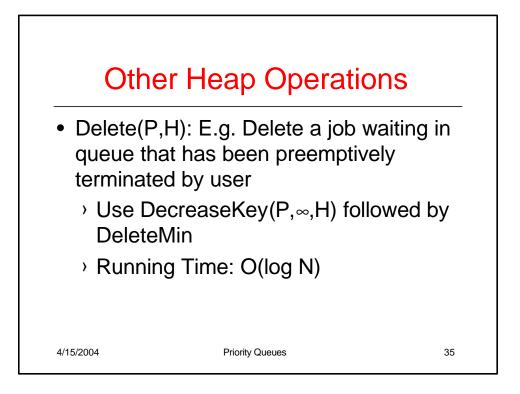


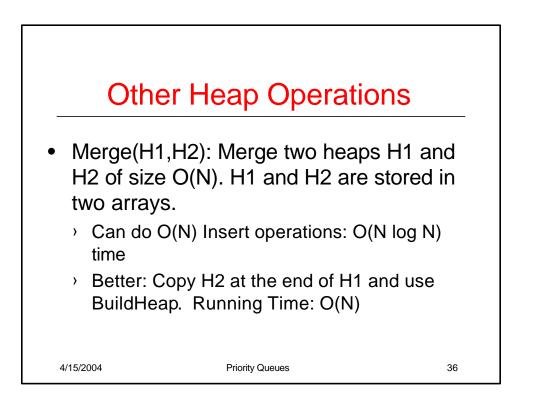












## **PercUp Solution**

4/15/2004

Priority Queues

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