## CS38 Introduction to Algorithms

Lecture 2 April 3, 2014

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Heaps		
<ul> <li>A basic data structure beyond stacks and queues: heap         <ul> <li>array of n elt/key pairs in special order</li> </ul> </li> </ul>		
– min-heap or max-heap		
	operations:	time:
	INSERT(H, elt)	O(log n)
	INCREASE-KEY(H, i)	O(log n)
	EXTRACT-MAX(H)	O(log n)
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