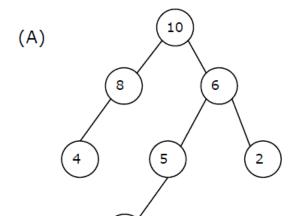
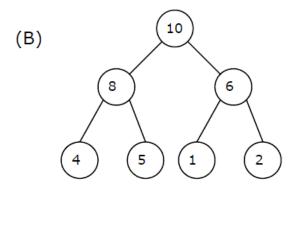
INFO 6205 Spring 2019 Sect... 2 minutes

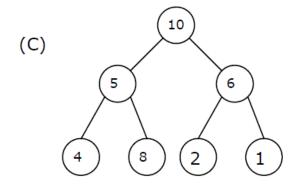


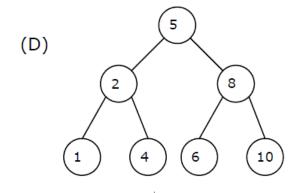
SCORE: 5 points

A max-heap is a heap where the value of each parent is greater than or equal to the values of its children. Which of the following is a max-heap? hint: max-heap is an array representation of a heap-ordered complete binary tree.









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Question - 2 binary heap

SCORE: 5 points

An array consists of n elements. We want to create a binary heap using the elements. The time complexity of building the heap will be:





	All of the above	
	A decreasing order array	
•	Priority Queue	
	Stack	
A Binary	Heap can be used as the data structure for a?	
Question data stru		SCORE: 5 points
	O(n ² log n)	
•	O(n log n)	
	O(log n)	

heapsort: please implement the TODOs in *sort* and *sink* methods. hint: please use the natural order.