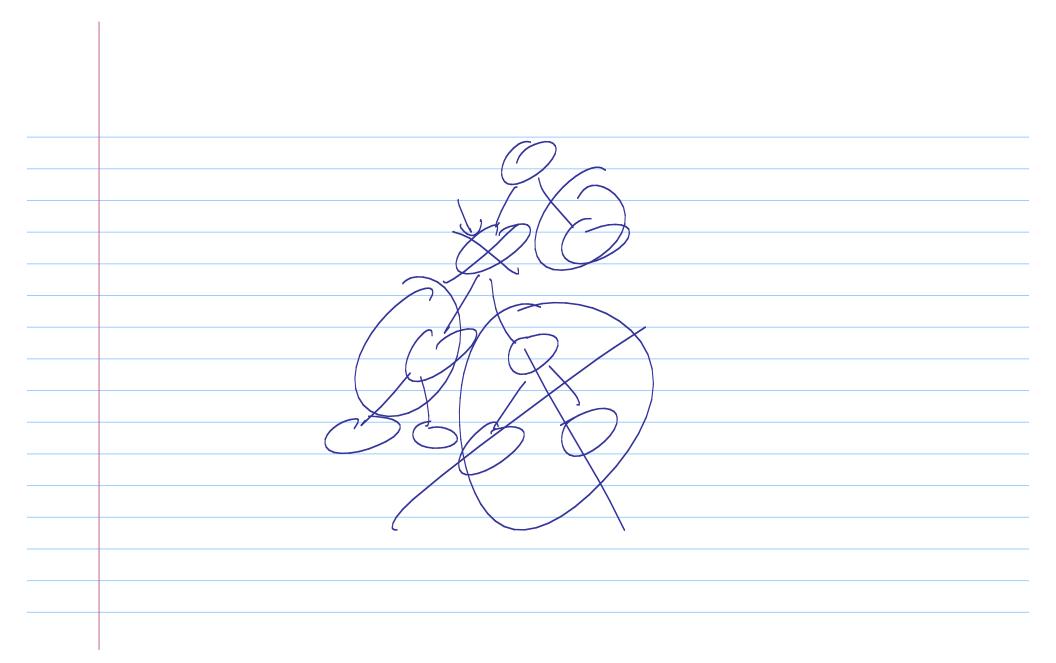
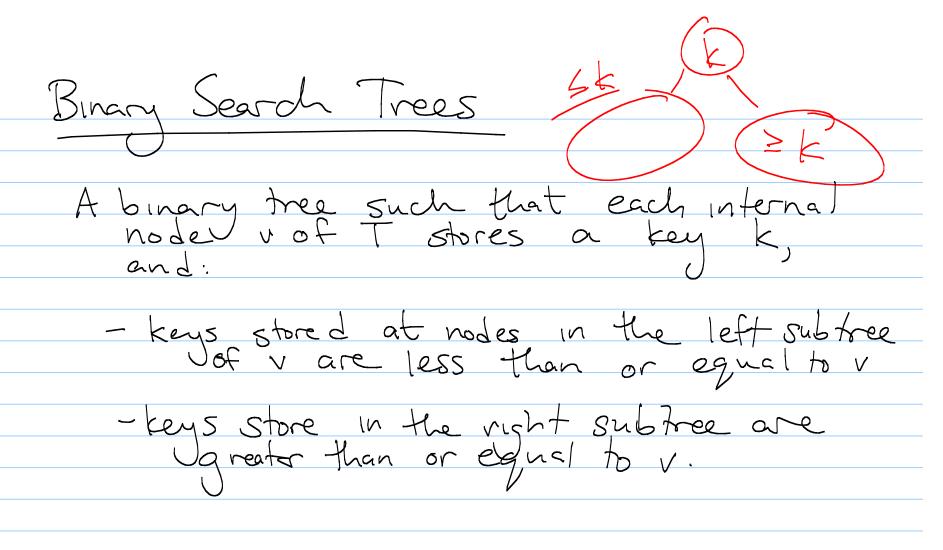
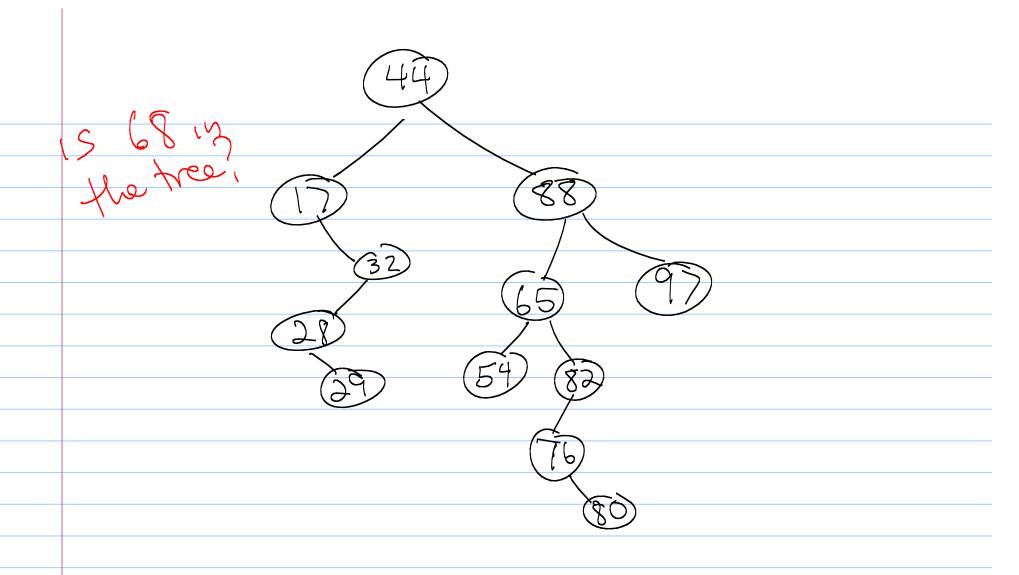
(CS 180 - Search Trees
Note Titl	e <u>11/9/2009</u>
	Announcements
	- Had due tomorrow Program
	Pracram
	- HW is coming - die next triday
	- Histern 2 in Jueck from next Mindey (or (afor that week)
	$N_{o}v. \nabla N_{o}v. \nabla N_{o$
	(or (afor that week)



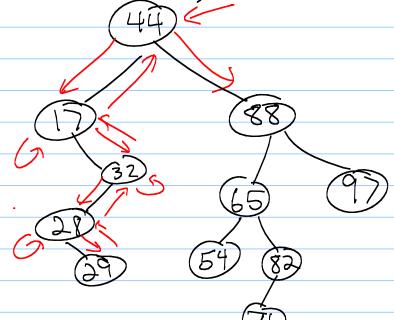
Pivo +2





postereder der

Q: What type of travesal will print the elements in sorted order?

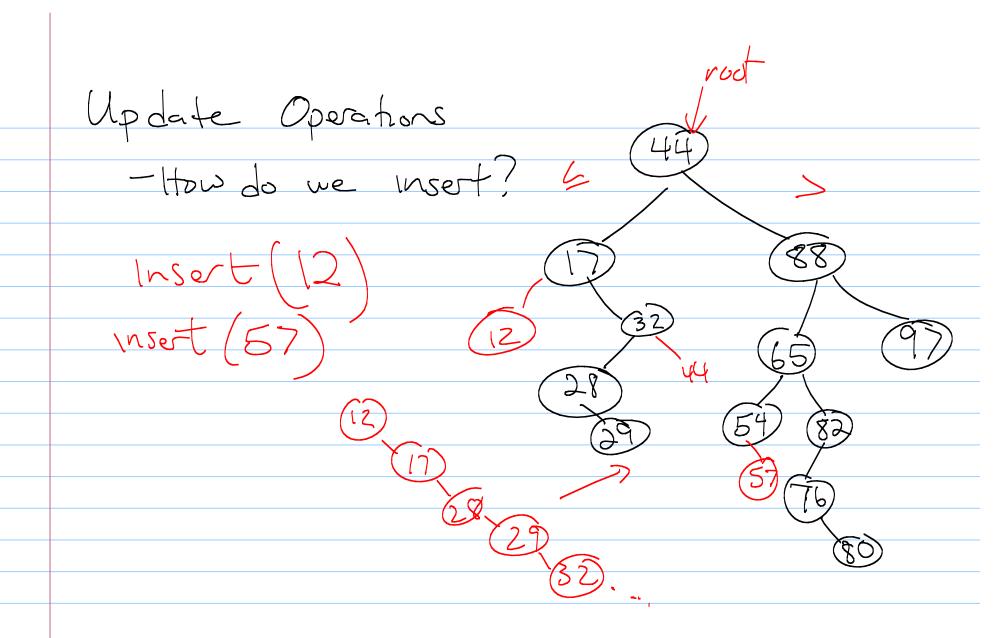


17-28-29-32-44

How do we search for an element in wheck root. search right + base case

Tree Search (k, v) Input: key k to search for at a node V in tree Output: Anode w of T s.t. either w holds key k or w is the leaf node where k would belong else if key (v) 4 else // at a leaf

How long does searching take! his height of tree



Best versus worst case: 2°+2'+...+2h=N Dept 15 each tree (in ferms of n=1# of nodes in tree)