

CS2100

---

Search trees

---

---

---

---

---

---



# Recap

- Lab + HW due this weekend
- Check blackboard HW grades!  
(Zybooks is being funny about extensions...)
- Next HW is posted:  
remove in a BST
- Reading assignments next week for Mon/Wed posted
- Next Thurs - may skip the lab.  
(Stay tuned!)

Last time:

BinaryTree.h code:

Today: Search trees

Insert:

Key difference from ZyBook -

you can only use  
the public BinaryTree.h  
functions!

(No nodes, just iterators)

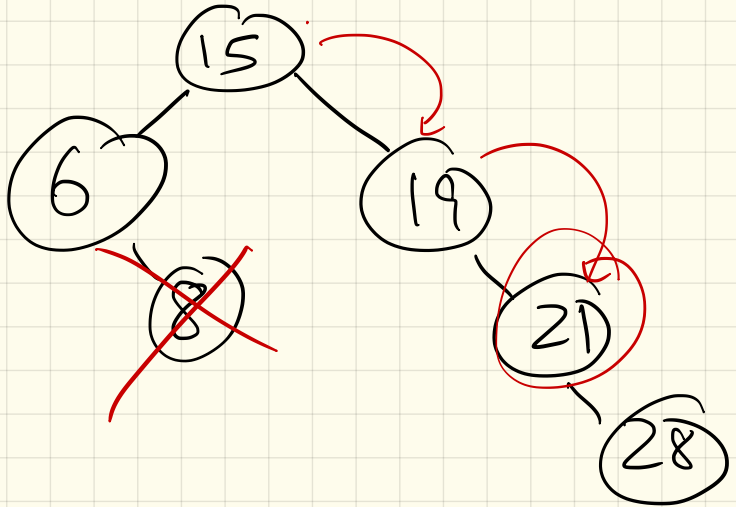
Check find for details.

(Don't peek at solution,  
though!)

Next HW: Remove:

How? (You already read in ZyBooks...)

Cases:

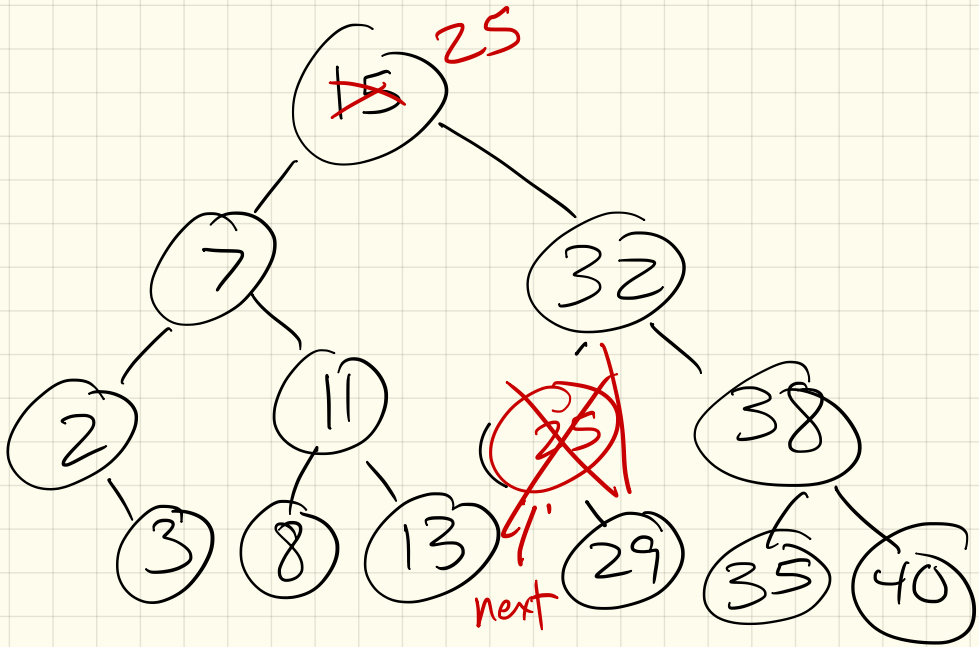


remove(8) ← And position it is a leaf,  
remove(21) call

remove And Promote  
Right Child

remove And  
Promote Left  
Child.

Harder:



remove(15) : ??

- choose next node in inorder traversal
- copy the value up
- delete And Promote Right Child