

# CS180 - Binary Trees

Note Title

11/9/2011

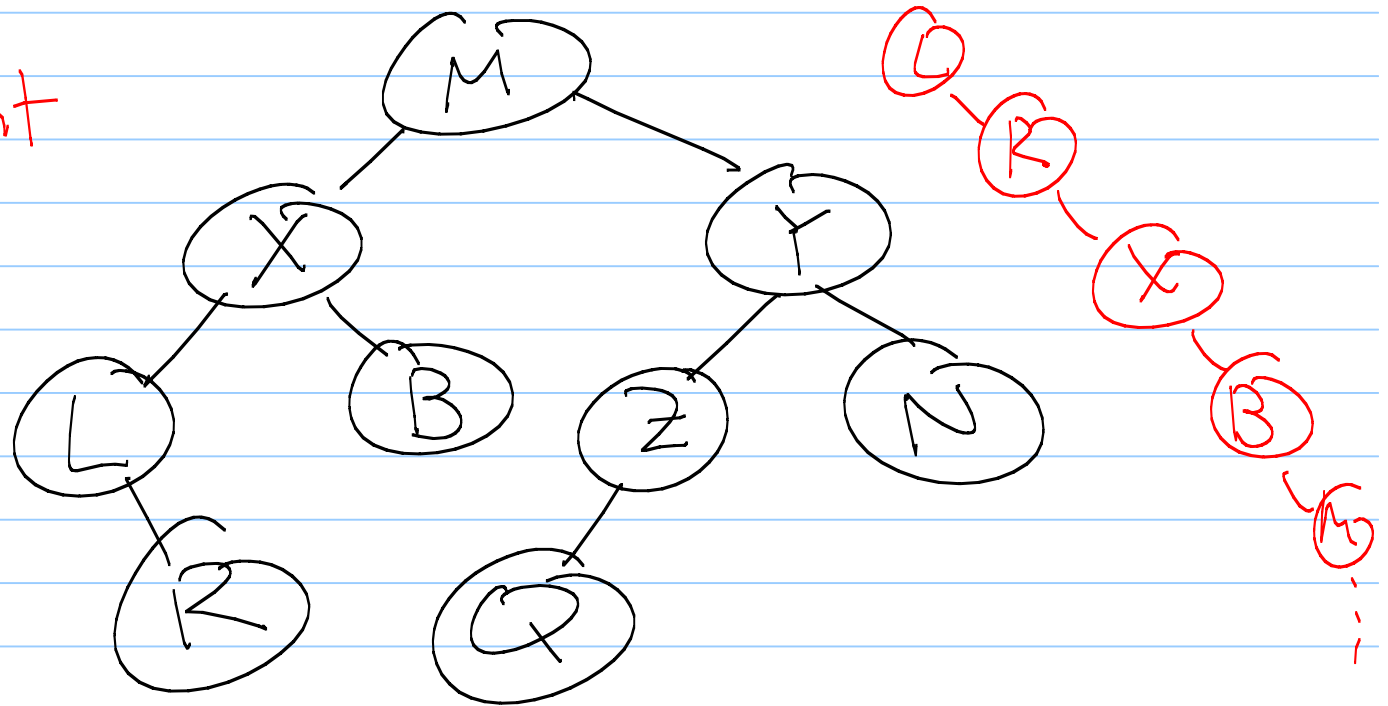
## Announcements

- HW due Friday
- Review Friday
- Test Monday
- Normal lecture tomorrow

Last time:

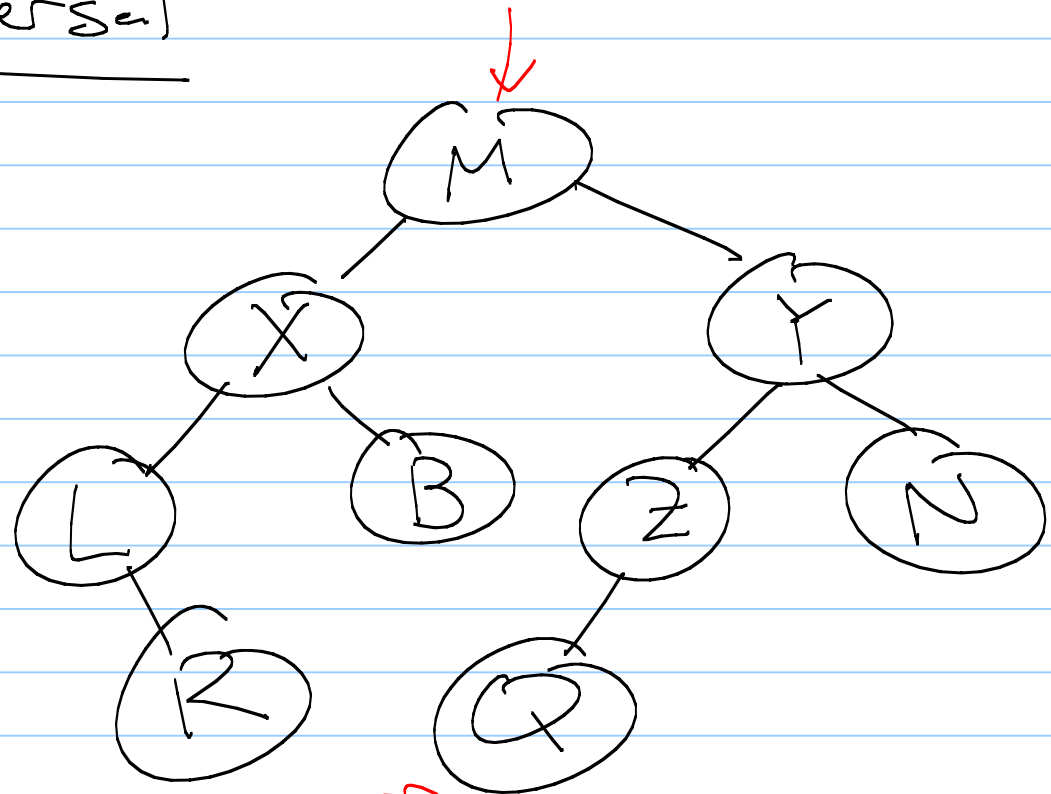
In order traversal: L R X B M Q Z Y N

Go left  
print current  
Go right



# Pre order Traversal

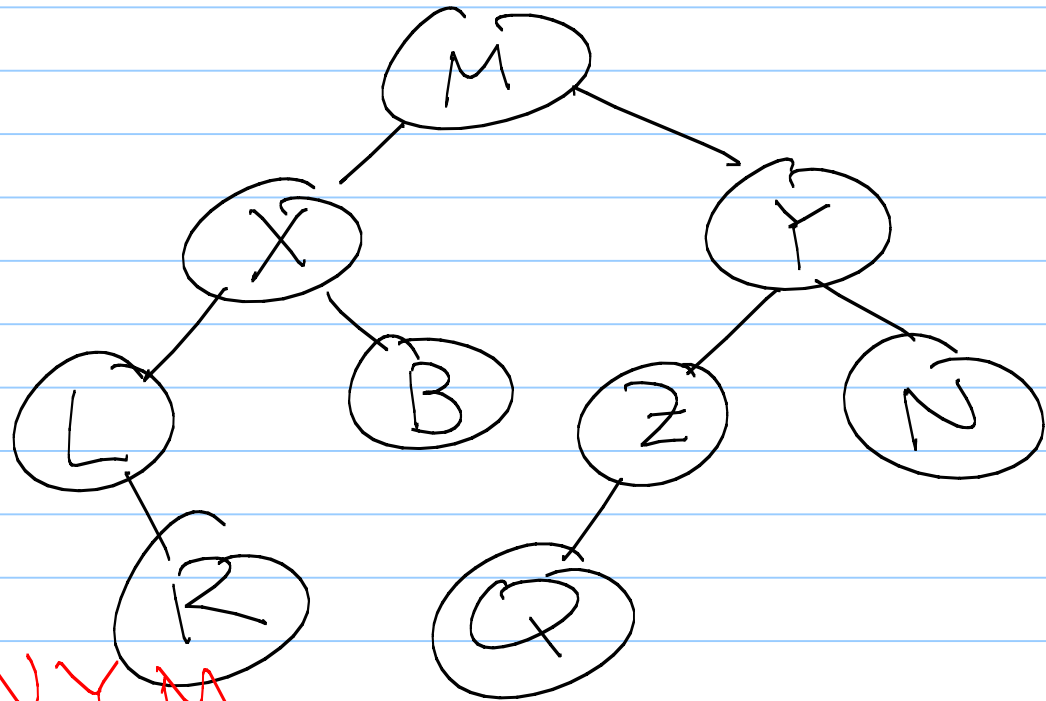
print self  
go left  
go right



Result: M X L R B Y Z Q N

# Post order traversal

Go left  
Go right  
print self

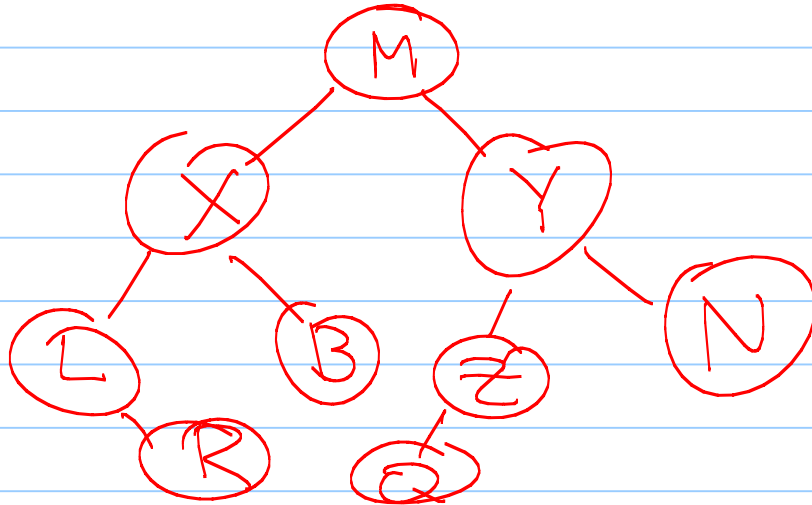


RLBXQZNYM

Left right  
 L R X B M Q Z Y N ← Inorder

~~M X Y R B~~ Y Z Q N ← Pre order

L → R }



Today:

Code for heaps & binary trees.

BinaryTree.h will be generic -  
not BSTs.

BST.h will inherit from BinaryTree.h  
(but so will other classes.)

$$(A \cdot B)' = A' + B'$$

Delete - postorder!

delete v

