

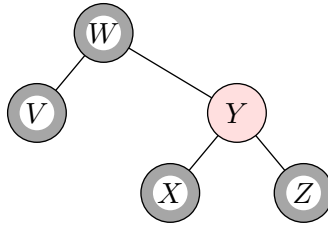
Revision 2

(1) State the (worst-case) running times.

For first five, assume implemented using either array or linked list.

	add	delete	find	iterate all
stack				
queue				
set				
bag				
list				
binary search tree				
red-black tree				

(2) Consider this tree:



(a) Is this a proper binary tree?

(b) Give the results of the three traversals.

(c) Assuming node with Y is red and the other nodes are black, is this a valid red-black tree?