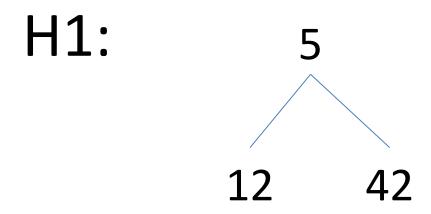
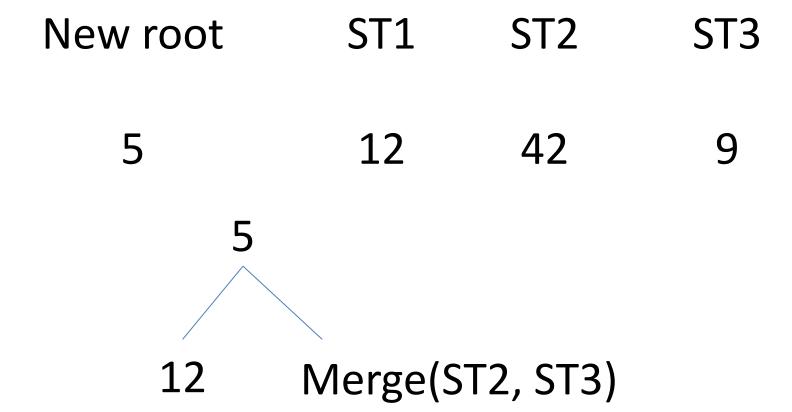
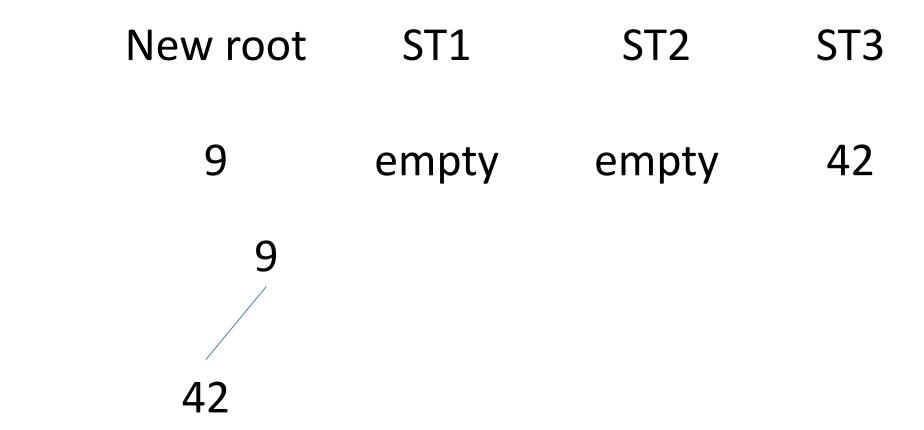
Draw the heap that would result after adding 9 to the given heap H1





Merge(ST2, ST3)

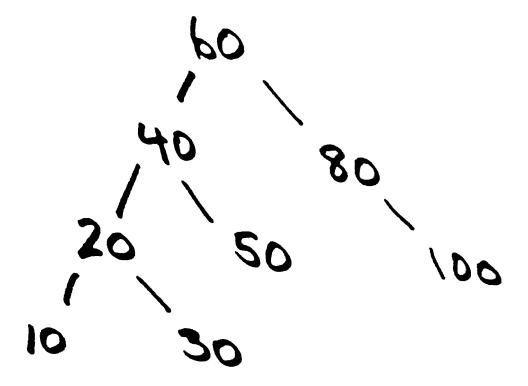


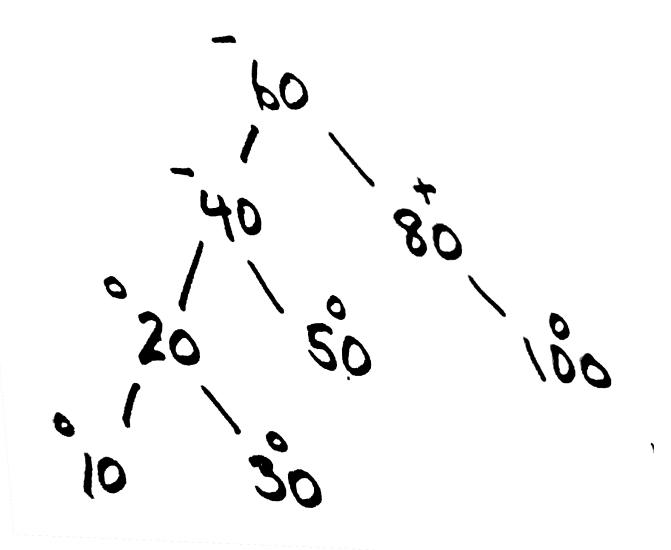
How to test that the answer returned is a valid answer?

- Is it a heap?
- Does the result contain all the elements from the original heap (the same number of occurrences)
- The new element has been added
- No elements in result that weren't in original

AVL Trees

A binary search tree where, for each node in the tree, the heights of the left and right subtrees differ by at most 1



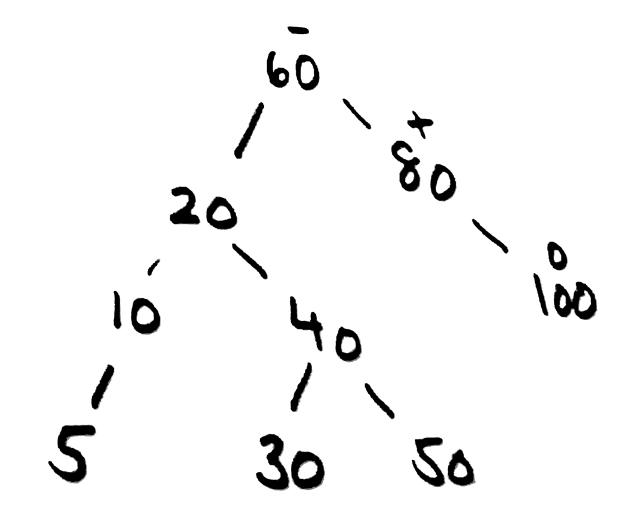


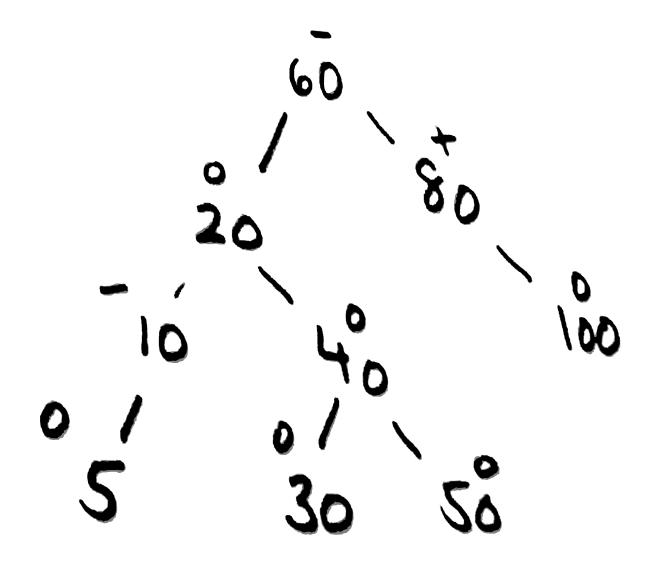
0 – perfectly balanced

-1 – more on left

+1 – more on right

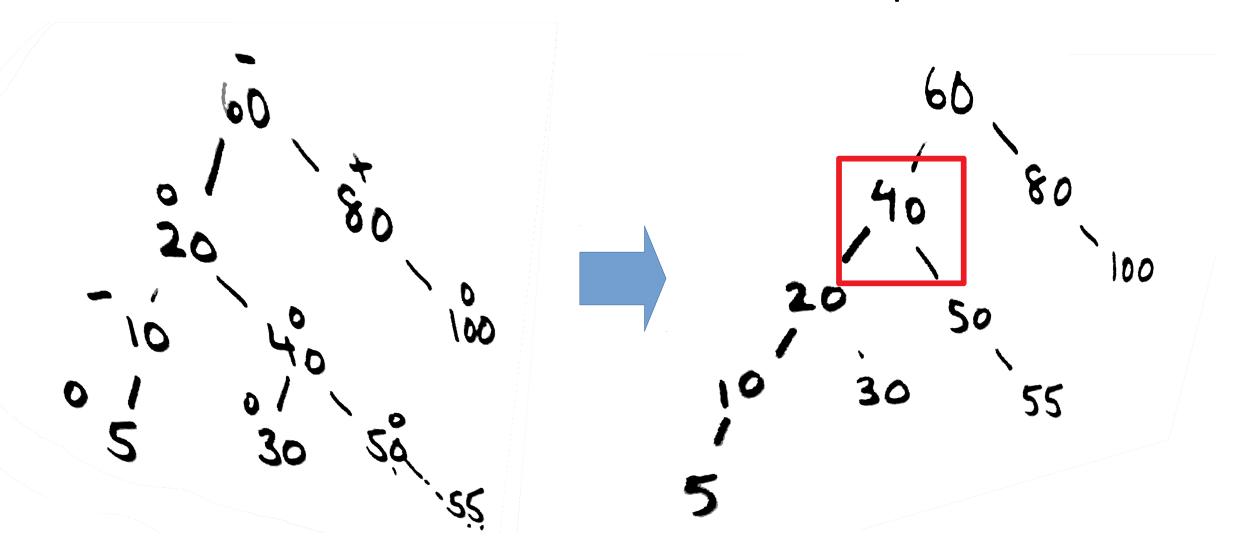
60 addElt(5)





Pilot 100 addEl+ (55)

First rotation: rotation on child of pivot



Second rotation: rotation on pivot itself

