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NetID: S15310

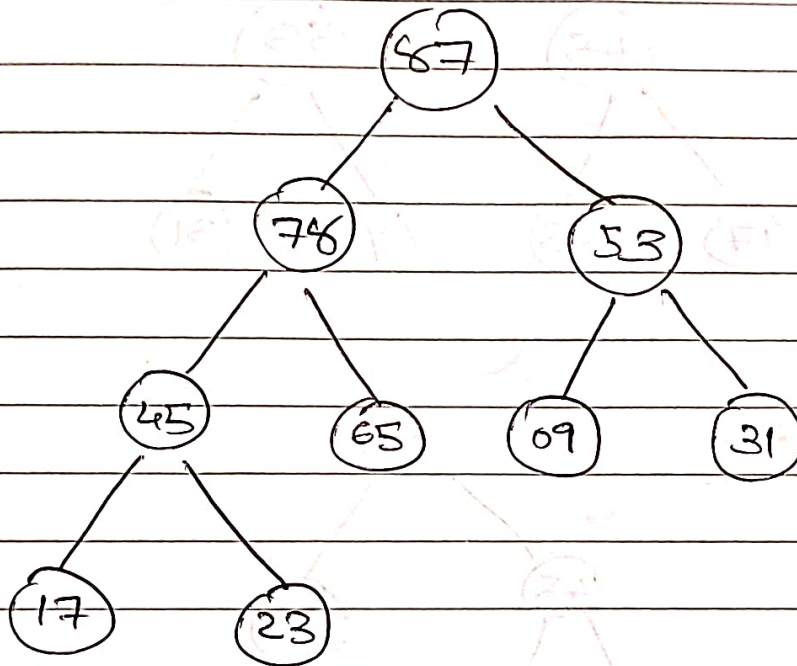
Email: albhagat4@horizon.csueastbay.edu

classmate

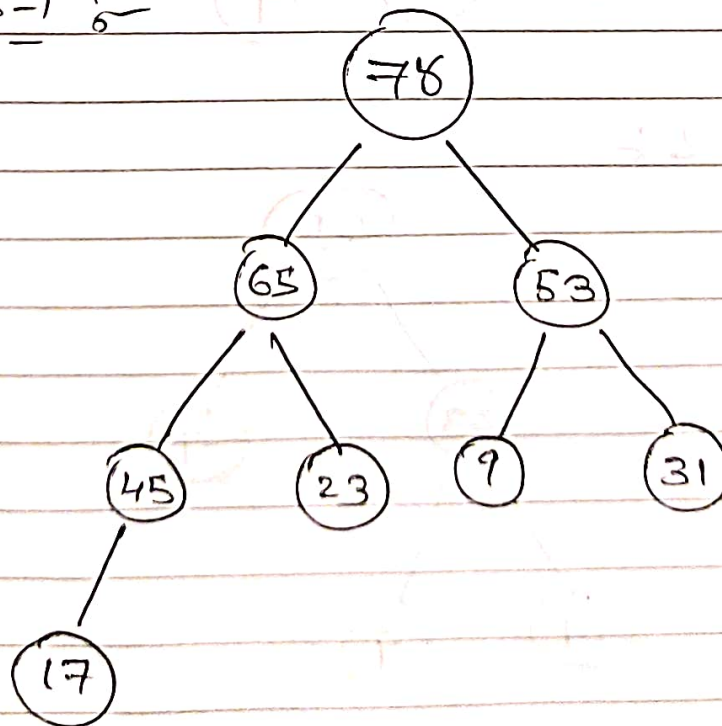
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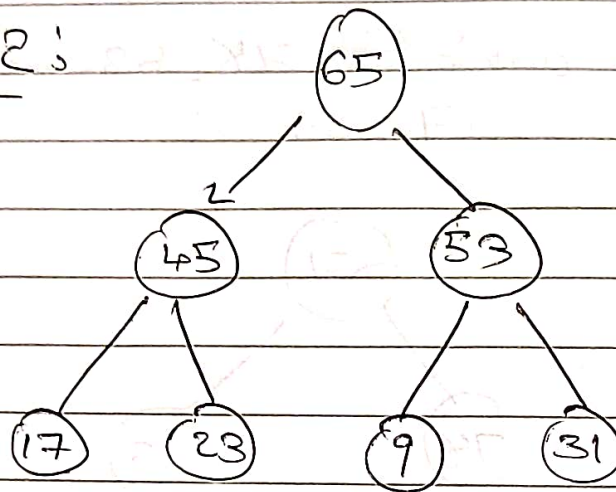
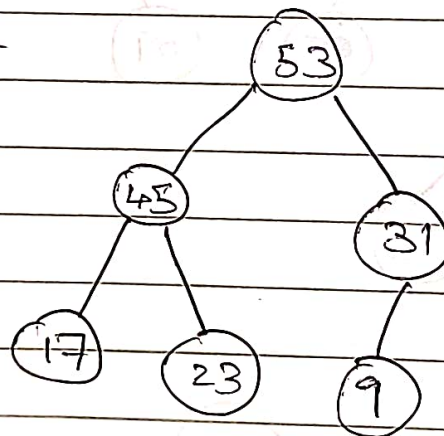
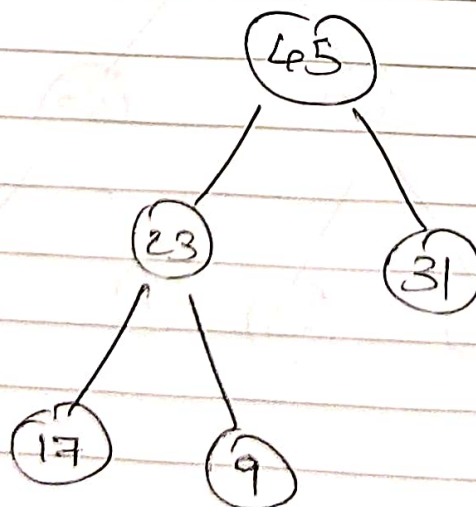
Page

Q.1 Given array: 57, 78, 53, 45, 65, 09, 31, 17, 23

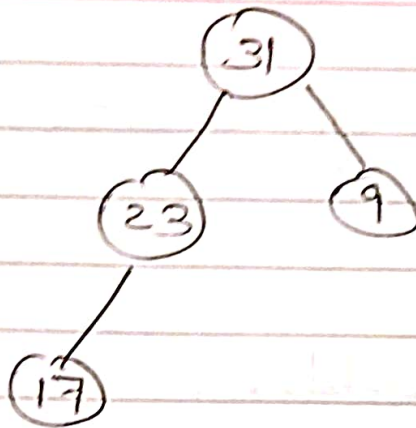


Step-1 :-

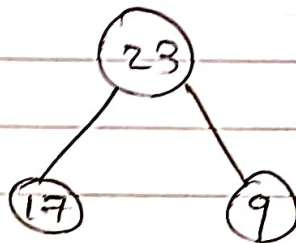


Step-2:Step-3:Step-4:

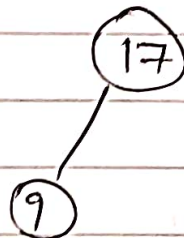
Step-5 is



Step-6 is



Step-7 is



Step-8 is



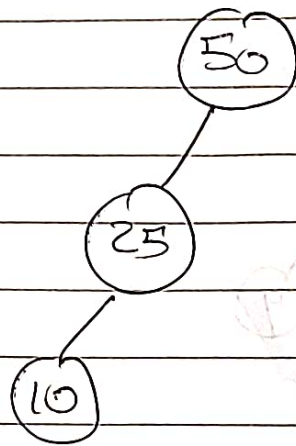
Step-9 is Dequeue 9

The heap is empty.

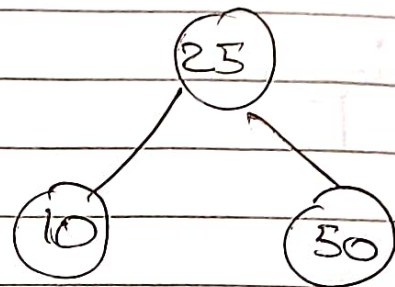
Q-2 Given array 50, 25, 10, 5, 7, 3, 30, 20, 8, 15

Step 1:-

Before rotation's

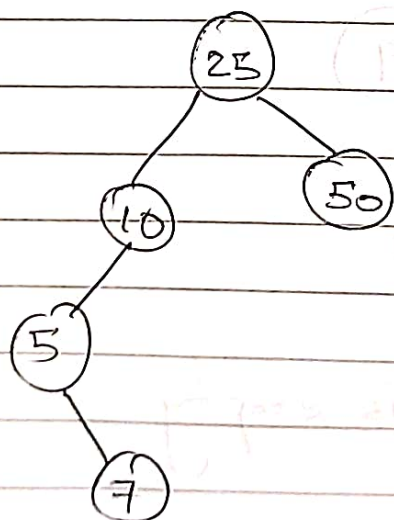


After rotation's



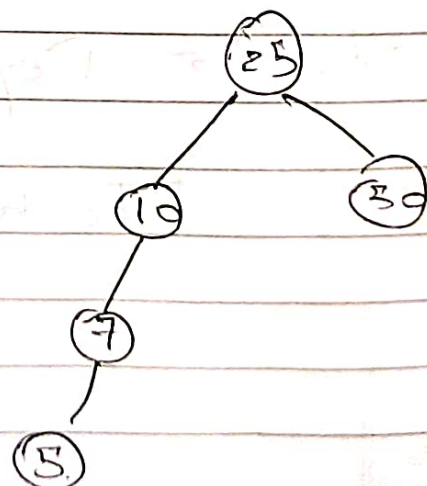
Step 2's

Before rotation's

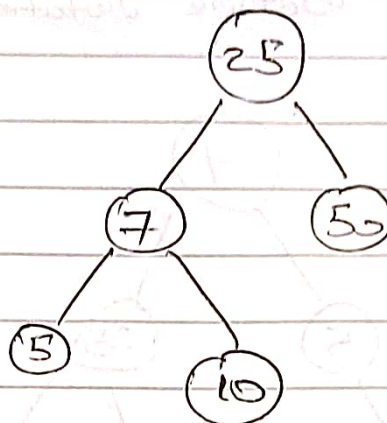


After left-right rotation's

left rotation's

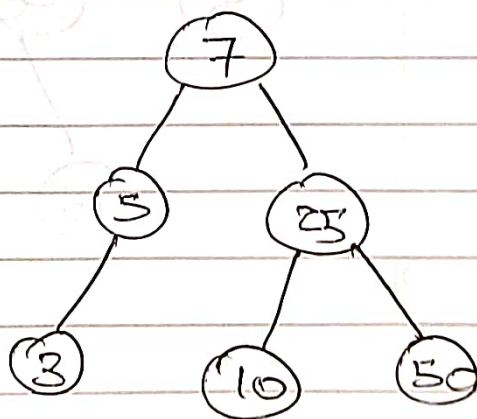
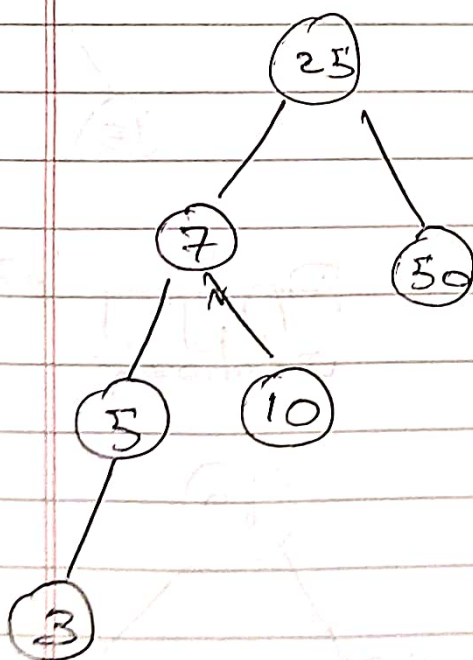


right rotation

Step 3:

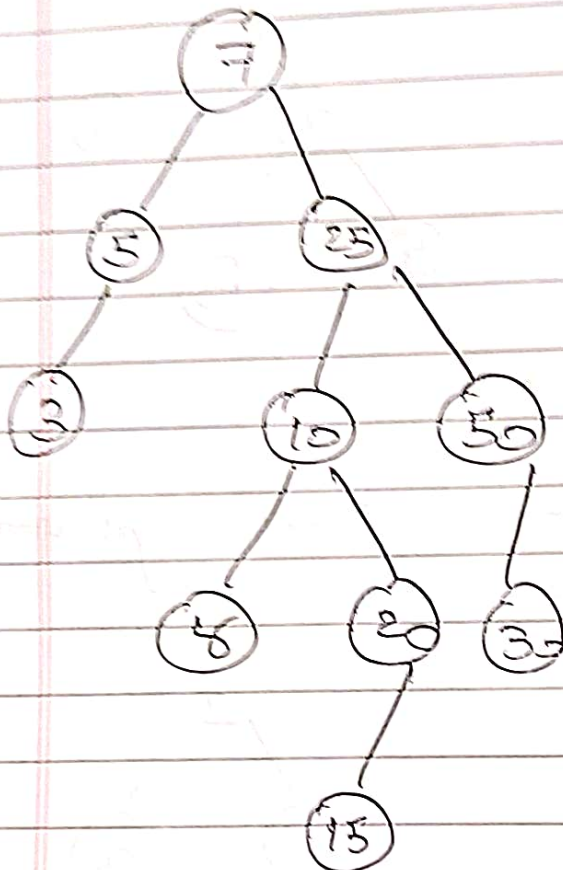
Before rotation

After right rotation

Step 4: Be

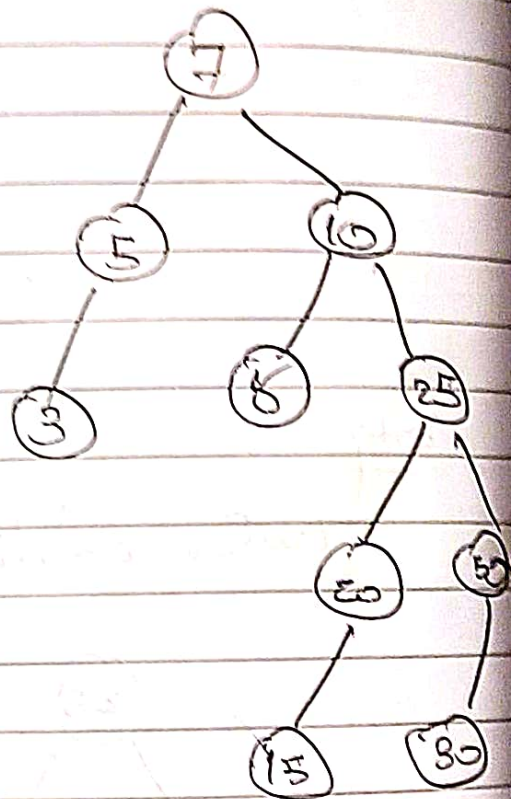
Step-4:

Before rotation



Right-left

After rotation

Applying left
rotation