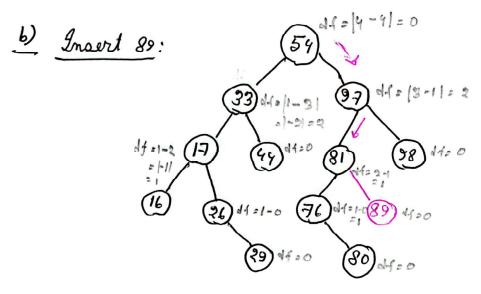
## Suromer 24 Q4

a) Pre-order: Rout, left, Night.

54 33 17 16 / 26 29 / 44 / 97/81 7680 / 98



C) <u>lealanced tree</u>: height of left 8 right subtree of any mode differ by not more than 4.

Keight difference of 33 8 97 is over 1. Hence, not balanced.

Ascending order: In-order traversal > left root right

Descending order: reverse-in order-traversal > R root L

98 97 89 81 80 76 | 54 44 33 | 29 26 17 16