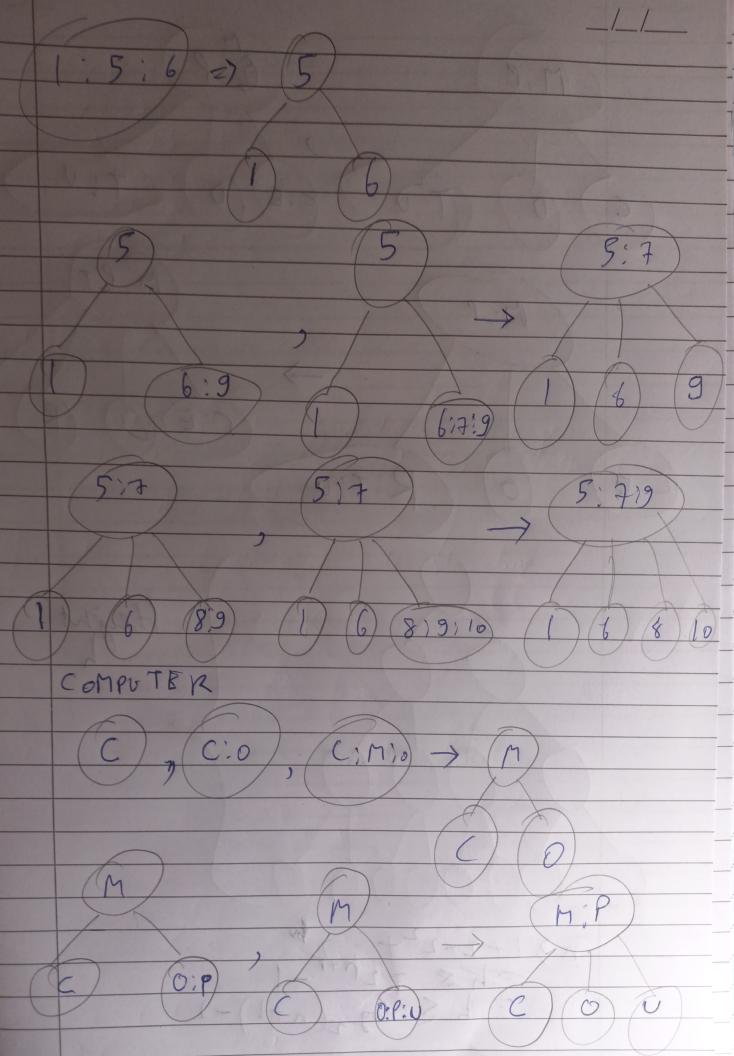
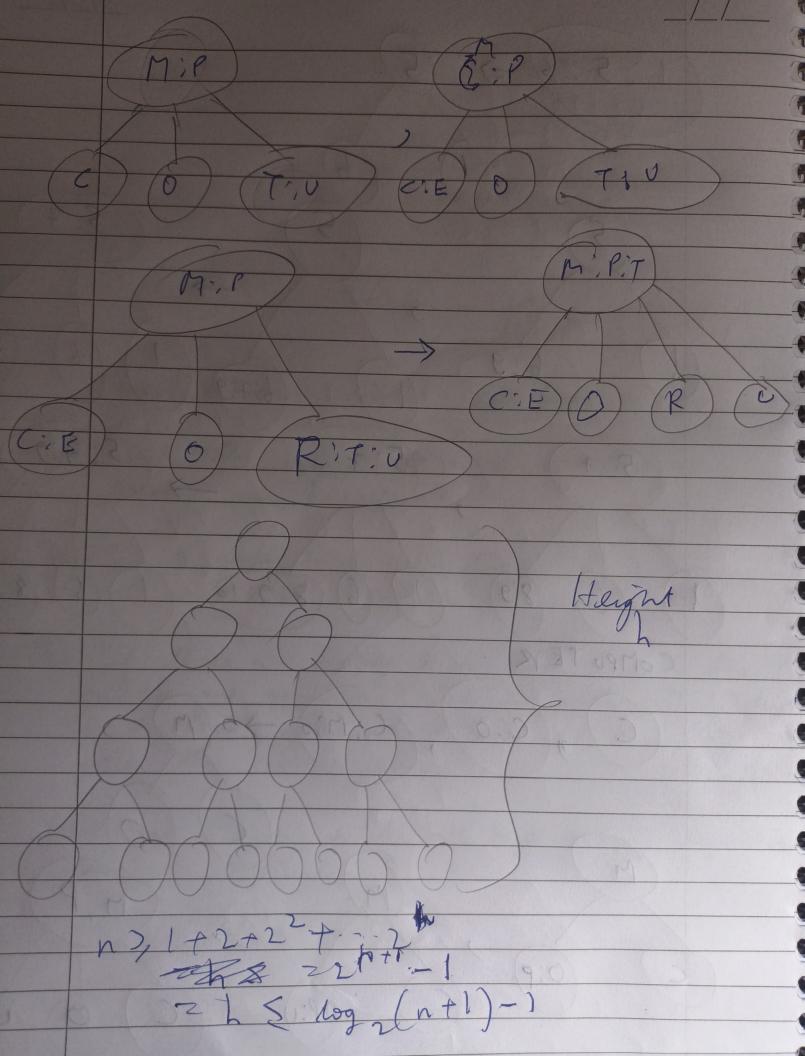
31) 2-3 Tree 2-3 the is a balanced B5T with the It can have a 2-mode structure serves we will know the war of an A CARD SEAR SEAR DESTANDANCE 2) It can have a 3- node structure Koka Kales Kolos K 1214 /22/2 22, 12 3) su leaf nodes in a 2-3 tree should be in 12 (3) (3) Bg

(5<sup>2</sup>) (4) (12) (15) Procedure to construct 2-3 tree 1) Insert the key into a loaf after going through an appropriate branch 2) If a node has more than 1812 keys, make sure that they are in order. If there are 3 keys in a deaf from the middle one as palent If the node with 3 keys is a root split it & create or new root with the middle element. 3 Repeat 162 until all keys satisfy properties Eg: - 651 978 10 6 夏多(5)6





3. rode height = 2(t+3+3 + -- 3h) h > log (n+1)-1 [ log 3(n+1)-15 h 5 log (n+1)-1 Upper bound Lower bound Time complexity: O(kog n)