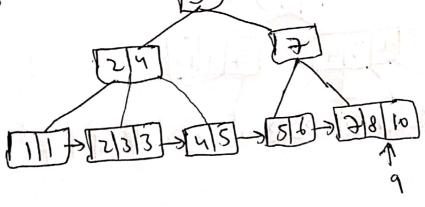
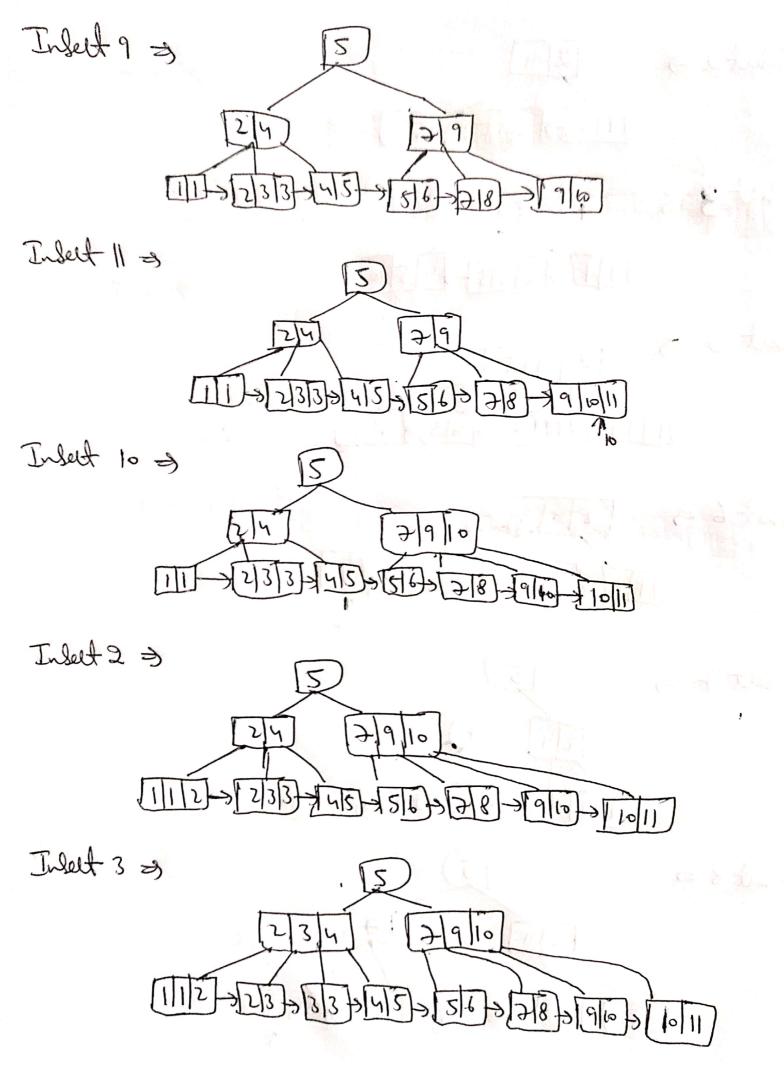
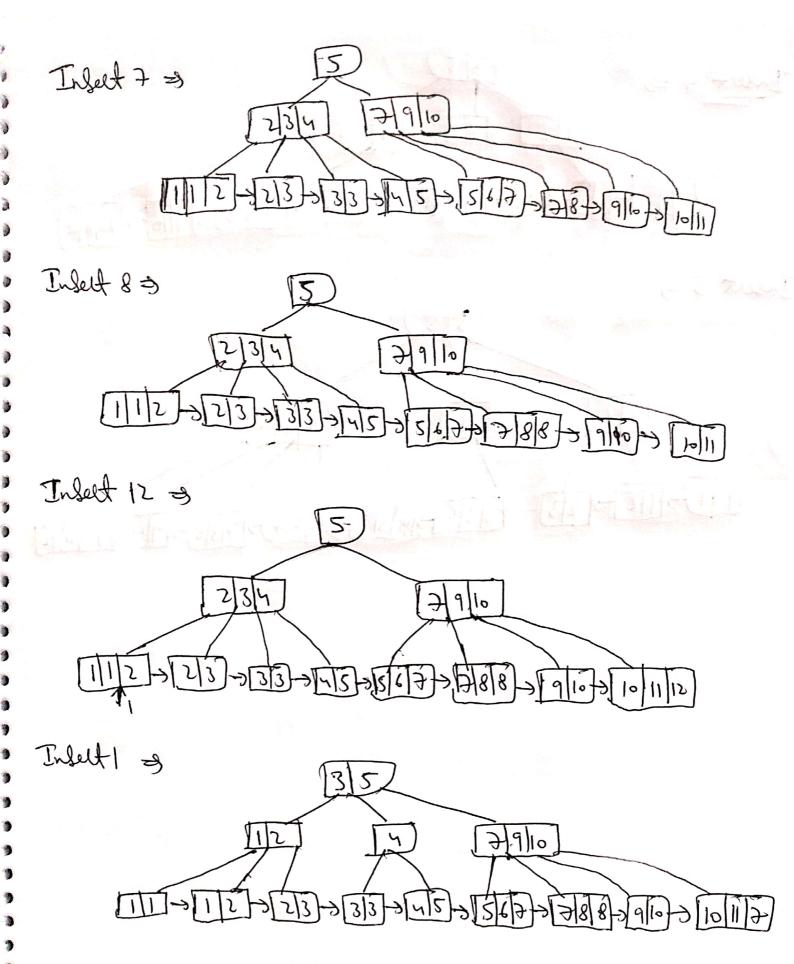
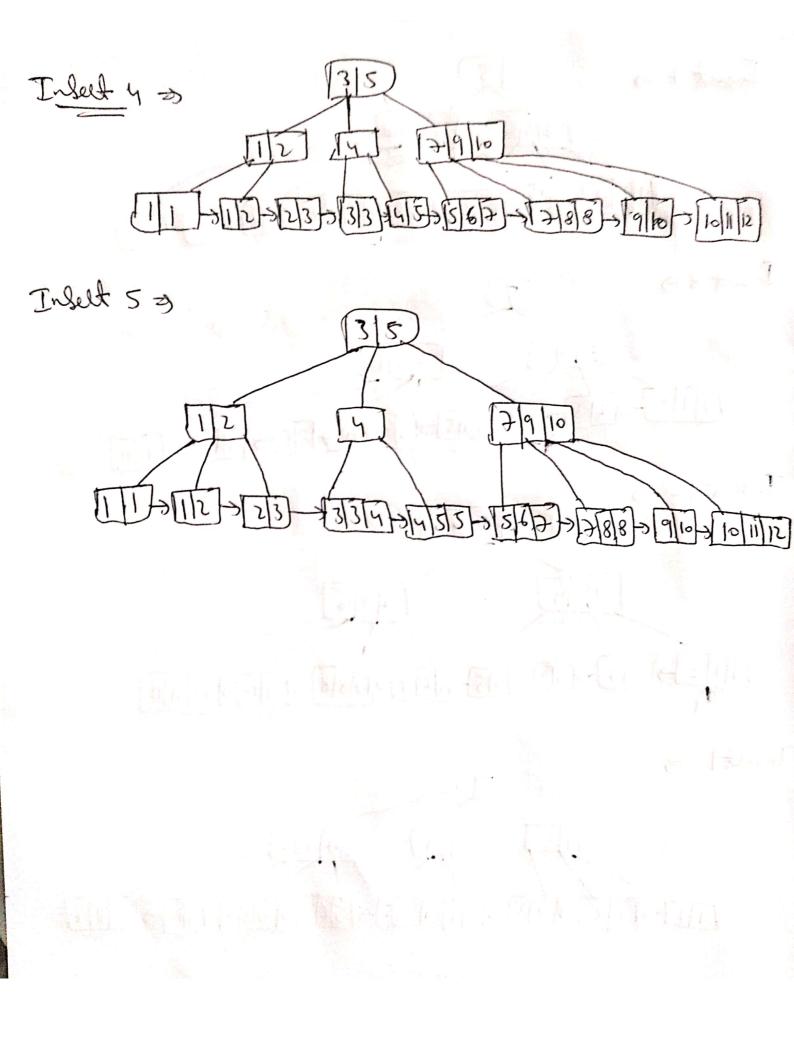
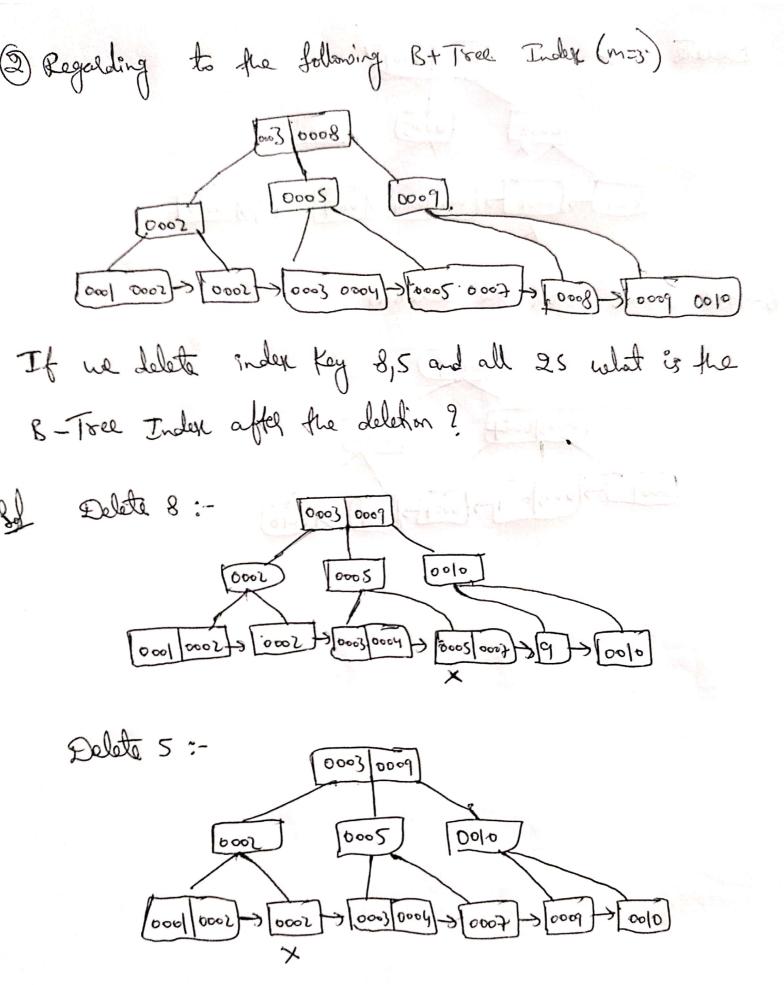
Advanced Data Bale Systems Written assignment - 2 SALIL: - 700741281 1) Cleate the B+ Tree Ender (m=4) after insert the following input index: 1,3,10,4,5,1,2,3,5,6,7,8,9,11,10,2,3,7,8,12,1,4,5 Inself 1 >> [] Inselt 3 => [1]3 Inselt 10 3 Inselt 1 3

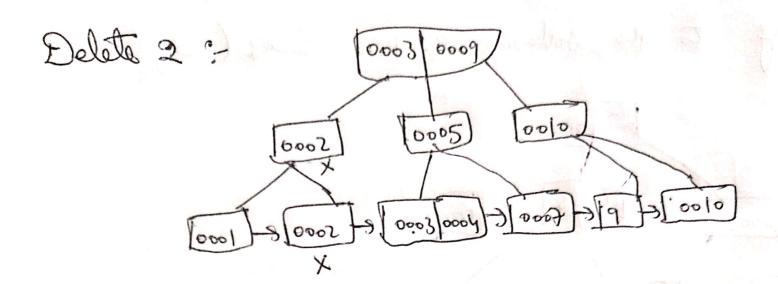




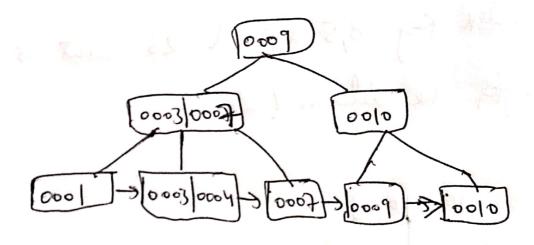








B. Tree Index after the deletion



3) Lineal Hash: Create the hash table from the following index key values, with the bucket size = 3, and initial hash function: Lash h_1 = index value mod 2.

Given input index teys: 8, 17, 12, 3, 5, 7, 10, 11, 1, 9, 4, 6, 14

(3.1) what is the hash table after hound o?

Round 0:

overflow on bucket #1
Rehash on bucket #0

Overflow on bucket #1 Rebash on bucket #1 hash 1: Index Value med 2

8 mod 2 = 0

12 med 2 = 1

12 mod 2 = 0

3 mod 2 = 1

5 mad 2 = 1

7 mod 2 => 1

half 2: Index Value mod 4

8 med 4 = 0

12 mod 4=0

hash 1: index value mode 2

10 mod 2=0

hosh 2: 10 mod 4=2 11 mod 2=1

,	-		4
	Ø	8,12	
	1	1715	
	. 2	10	-
	3	3,7,11	

17 mod 4=1
3 mod 4=3
5 mod 4=3
7 mod 4=3
11 mod 4=3

Hell Split pointel can not point to next pointel So ending Round O

(3.2) what is the final happy table?

Round 1 :-

$$5p \Rightarrow 0 8,12$$

1 17,5,1 $\Rightarrow 9$

2 10

3 3,7,11

Use hash 2: index Value mad 4

1 mod 4 = 1

overflow on bucket #1
Rehalf on bucket #0

hash 3: index value mod 8
8 mod 8 = 0
12 mod 8 = 4

4 mod 4=0 (5p at 1 do Rehagh)
4 mod 8=4
6 mod 4=2
14 mod 4=2

- literation of the land of th