

**Question 1 : 10 Points**

(a) Delete 15 from the following B+ Tree of Order 3.

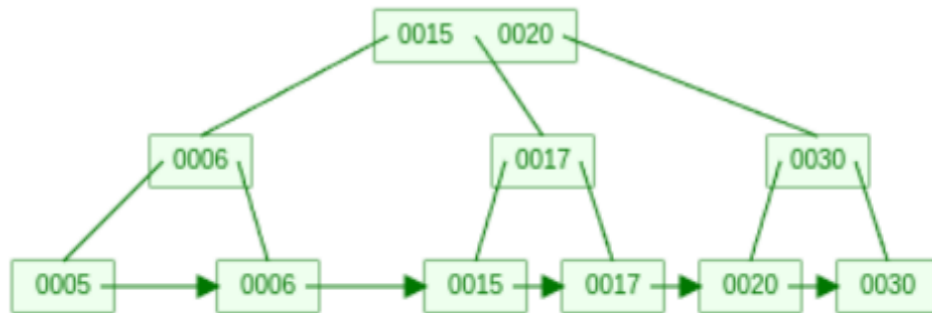
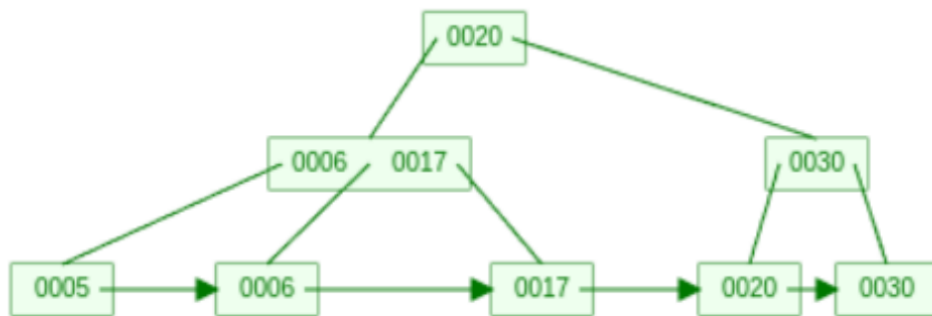
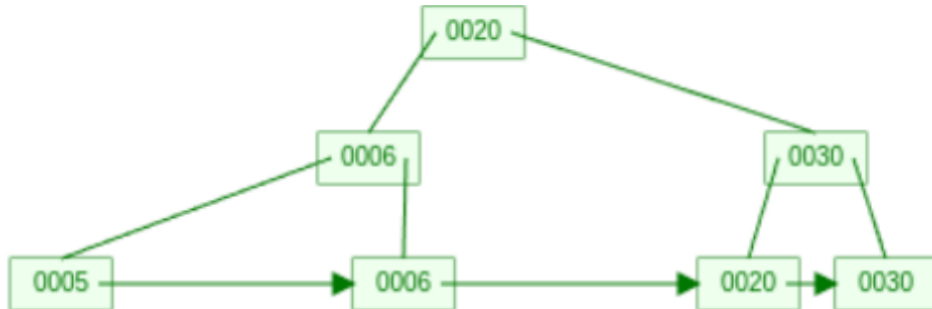


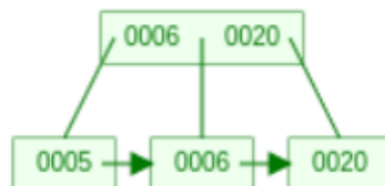
Figure 1 : Initial Tree



(b) Delete 17 from the B+ Tree you have after performing the operation of No (a).



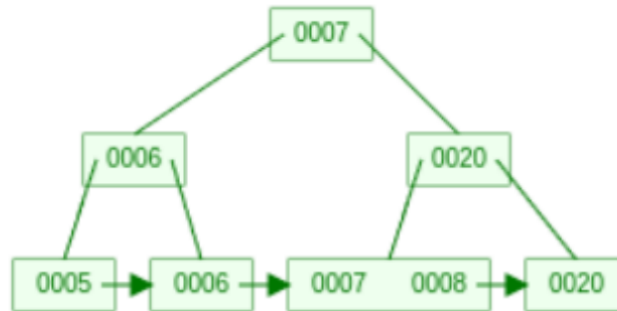
(c) Delete 30 from the B+ Tree you have after performing the operation of No (b).



(d) Insert 7 into the B+ Tree you have after performing the operation of No (c).



(e) Insert 8 into the B+ Tree you have after performing the operation of No (d).



**Question 1 : 10 Points**

(a) Delete 18 from the following B+ Tree of Order 3.

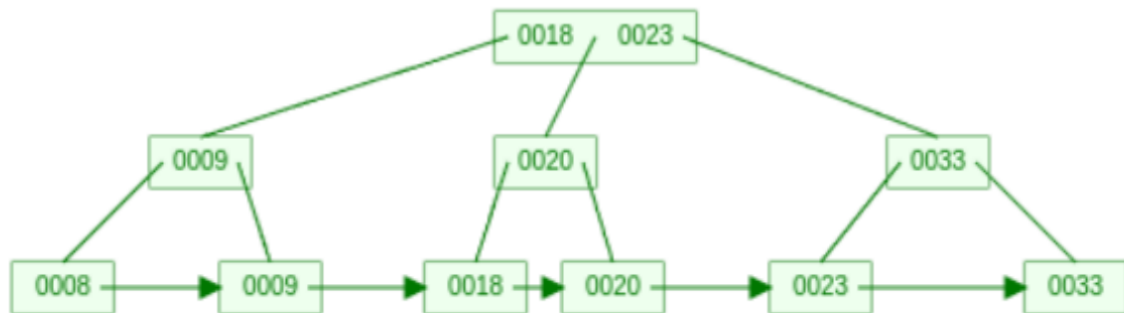
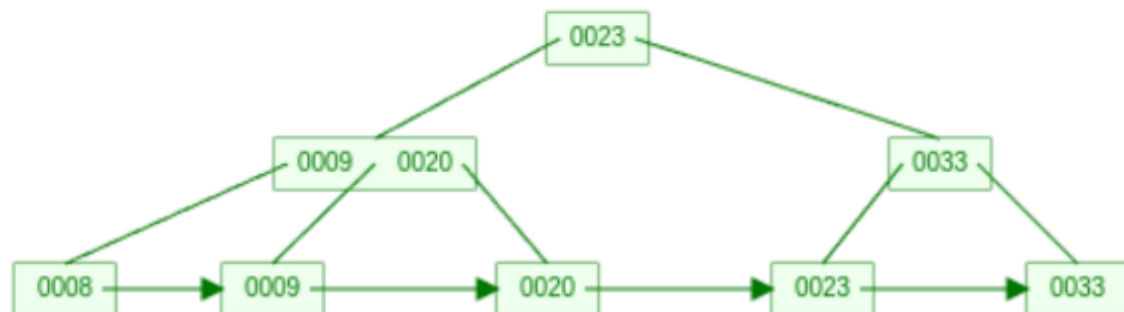
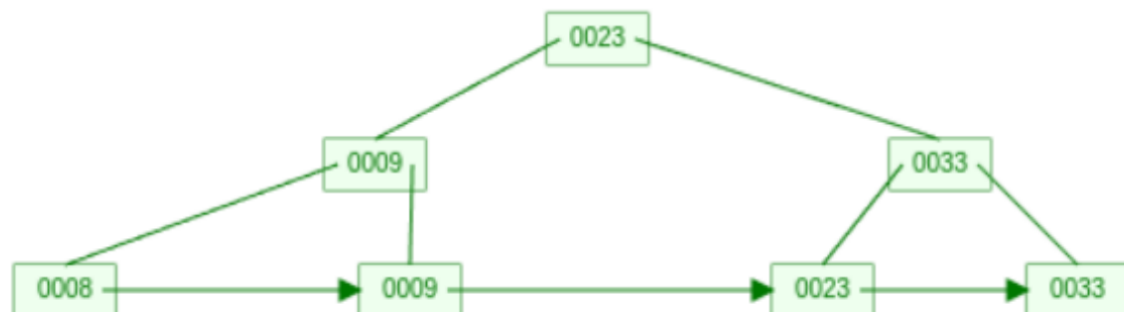


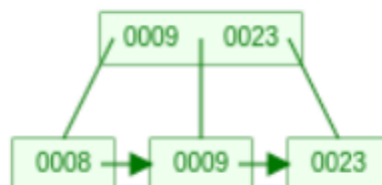
Figure 1 : Initial Tree



(b) Delete 20 from the B+ Tree you have after performing the operation of No (a).



(c) Delete 33 from the B+ Tree you have after performing the operation of No (b).



(d) Insert 10 into the B+ Tree you have after performing the operation of No (c).



(e) Insert 11 into the B+ Tree you have after performing the operation of No (d).

