

# Assignment 7

---

Course name: Data Structures

Course id: 14461002

Student id: 202033762

Student name: 장민호

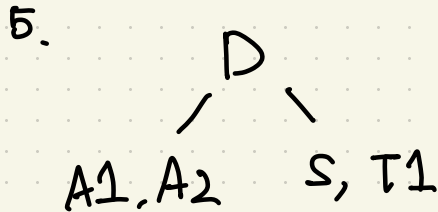
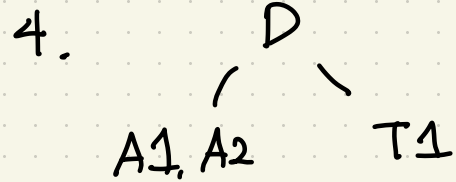
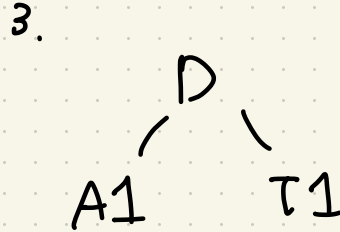
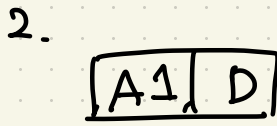
Student major: 설비소방공학과

Submission date: 2022. 04. 09 

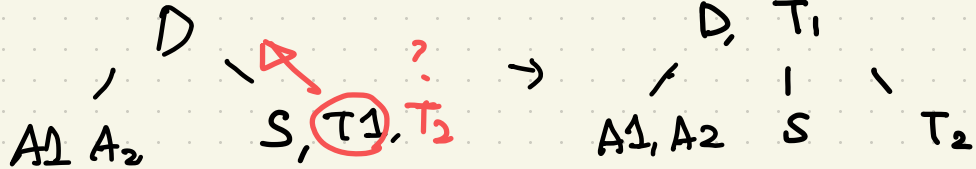
# HW 7-1

keys : D, A1, T1, A2, S, T2, R1, U1, C, T3, V2, R2, E

---



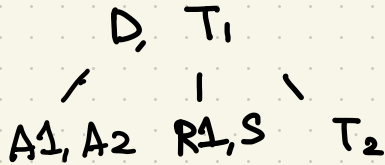
6. Insert T2



keys : D, A1, T1, A2, S, T2, R1, U1, C, T3, V2, R2, E

---

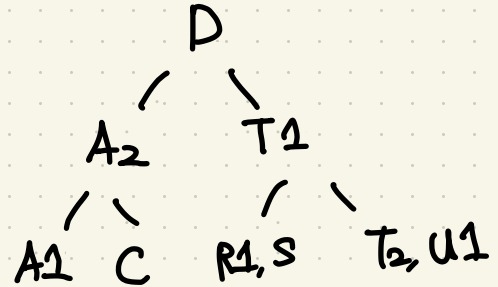
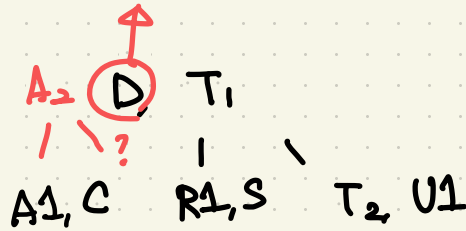
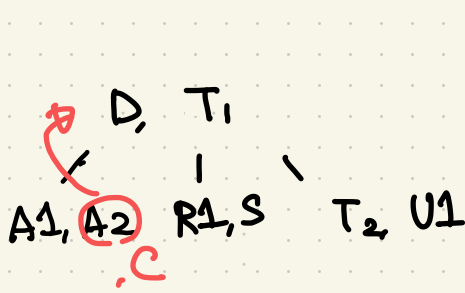
7. Insert R1



8. Insert U1



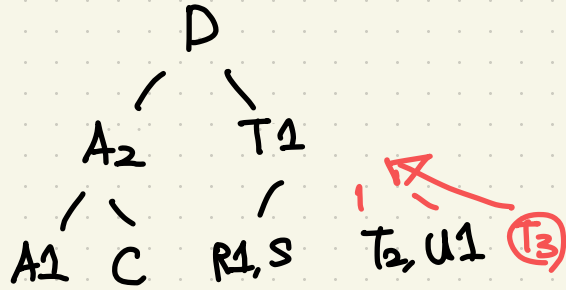
9. Insert C



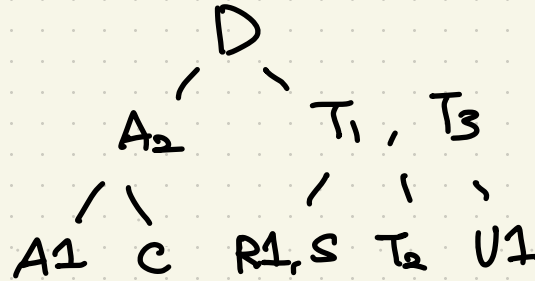
keys : D, A1, T1, A2, S, T2, R1, U1, C, T3, U2, R2, E

---

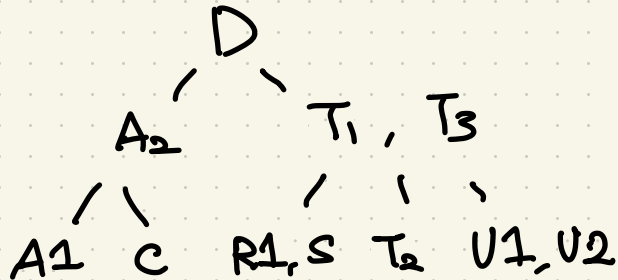
10. Insert T3



→



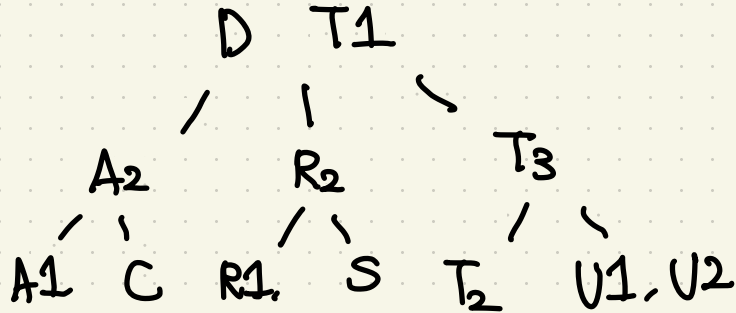
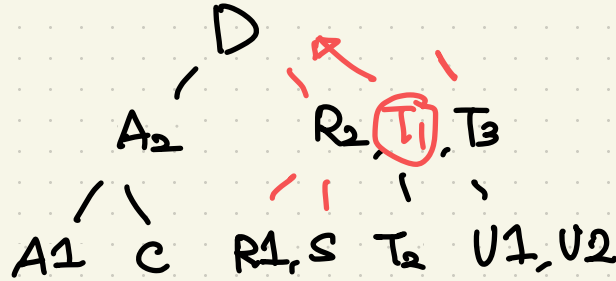
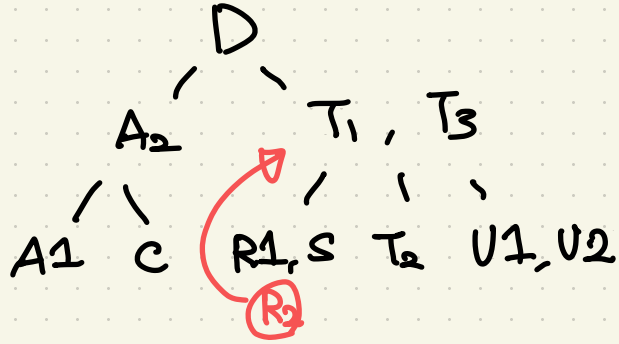
11. Insert U2



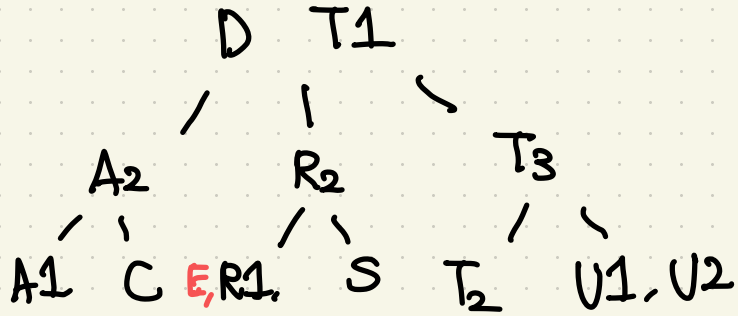
keys: D, A1, T1, A2, S, T2, R1, U1, C, T3, V2, **R2**, E

---

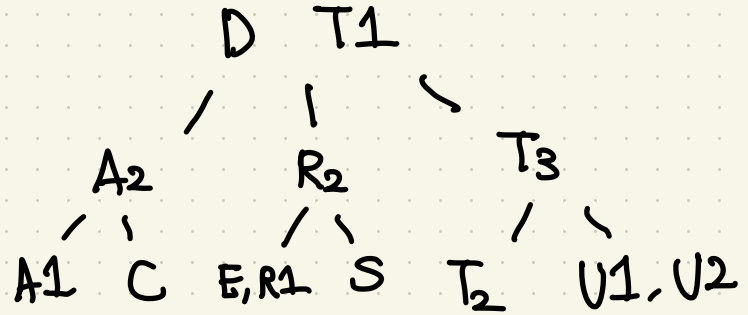
12. Insert R2



### 13. Insert E



→

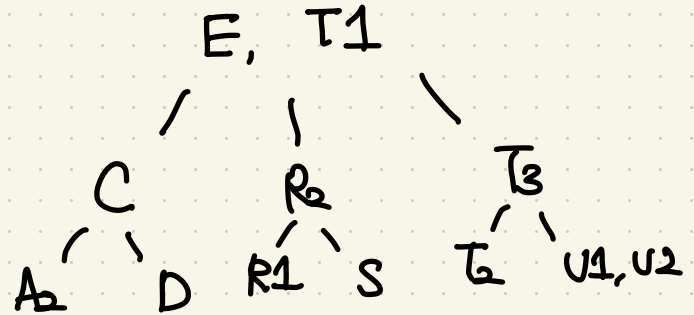
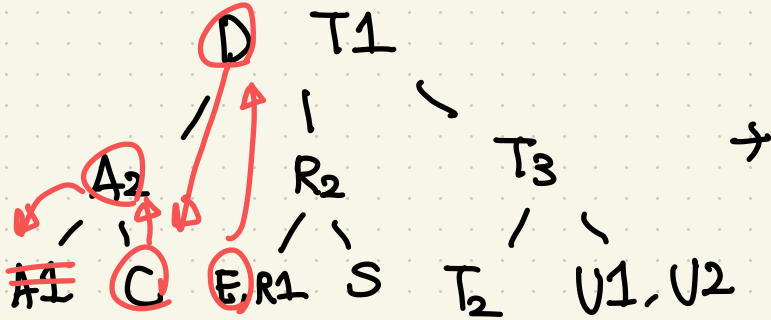


# Delete!

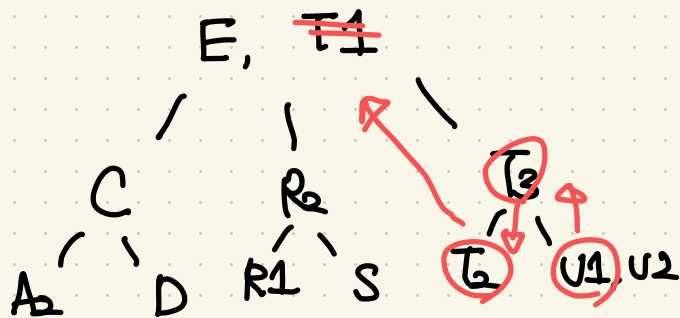
keys: A1, T1, T2, T3

---

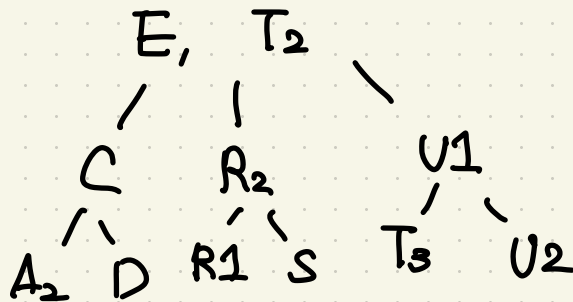
1. Delete A1.



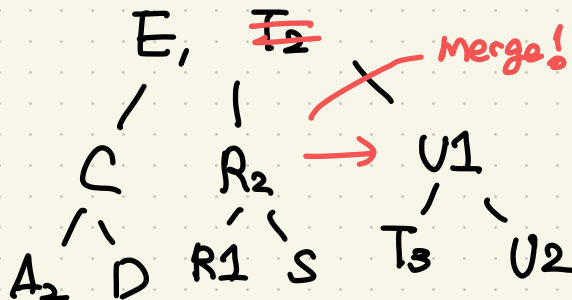
## 2. Delete T1



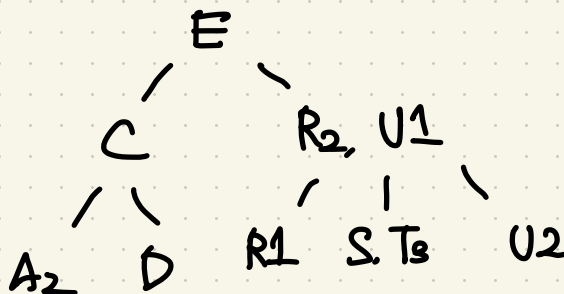
→



## 3. Delete T2

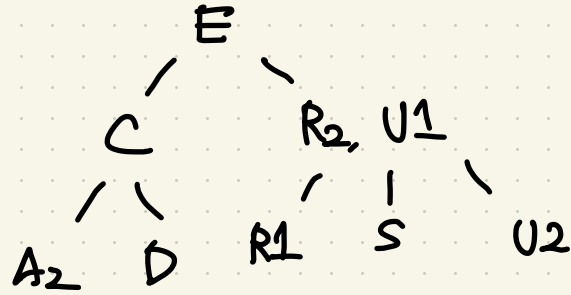
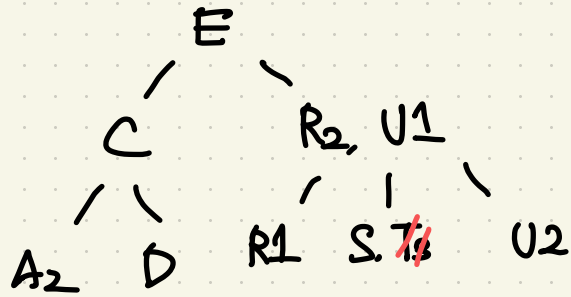


→





#### 4. Delete T<sub>3</sub>



# HW 7-2 | Insert!

keys: 20, 80, 60, 40, 15, 25, 30, 35.  $N=2$

---

1. Insert 20

20			
----	--	--	--

2. Insert 80

20	80		
----	----	--	--

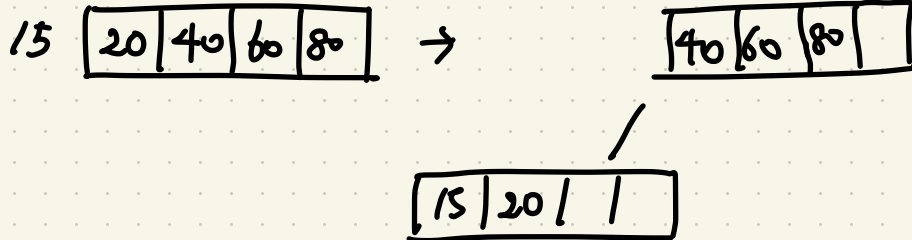
3. Insert 60

20	60	80	
----	----	----	--

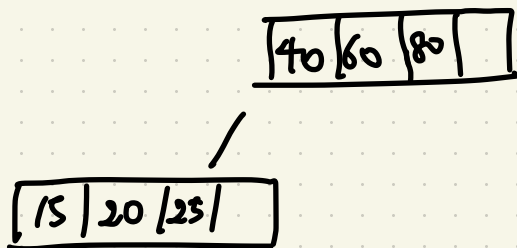
4. Insert 40

20	40	60	80
----	----	----	----

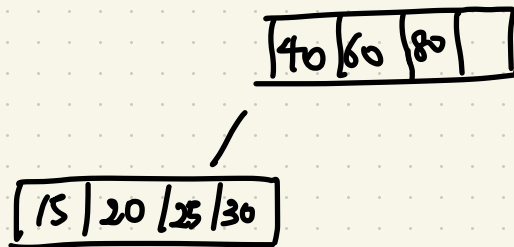
5. Insert 15



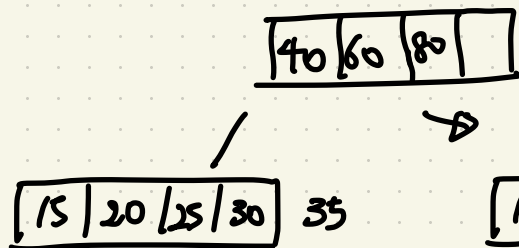
6. Insert 25



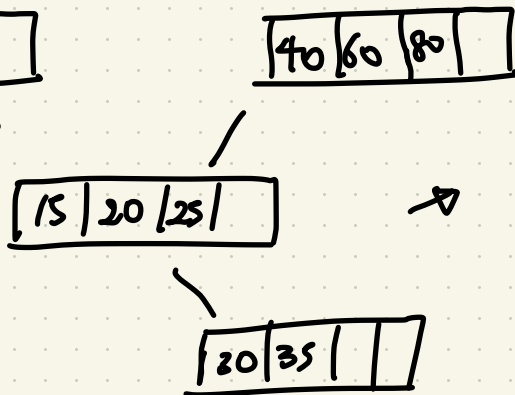
? Insert 30



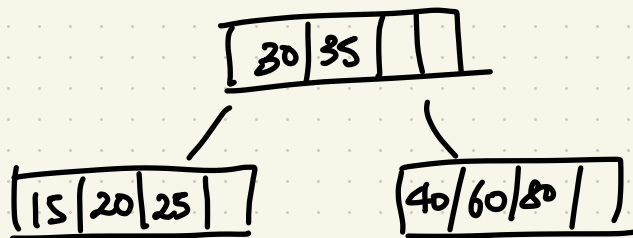
8. Insert 35



bf=2



rotate!

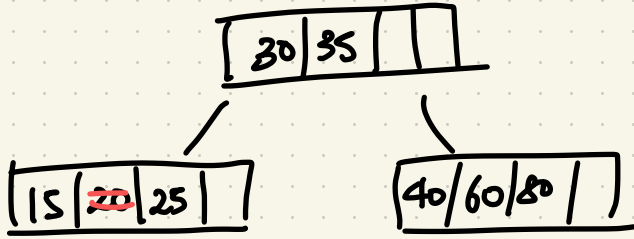


# Delete!

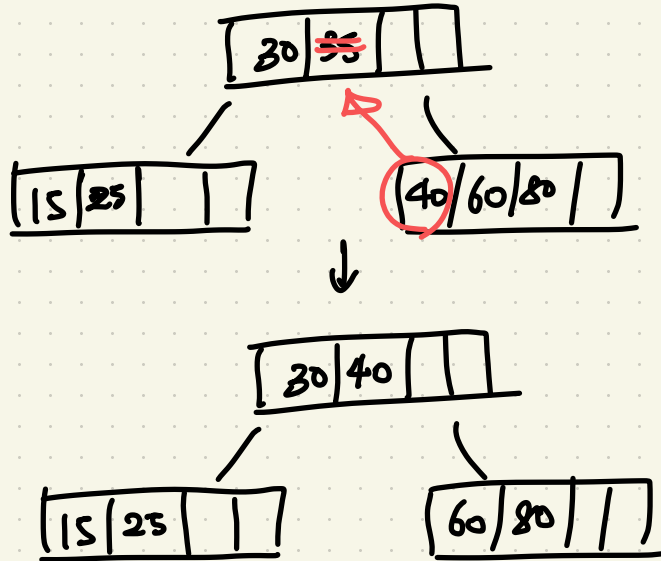
keys : 20, 35, 60, 80

---

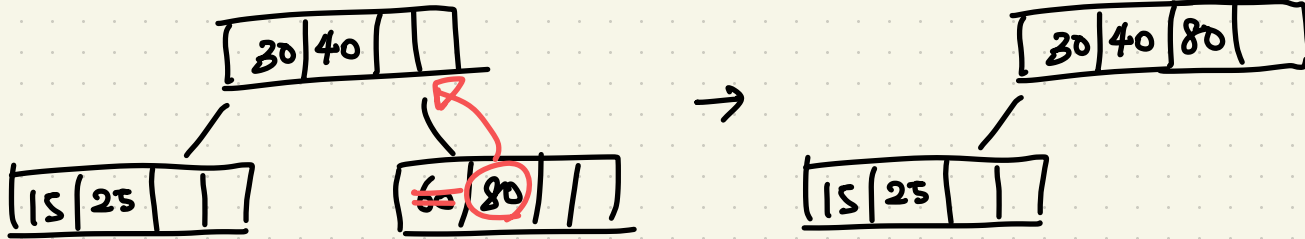
1. delete 20



2. delete 35



3. delete 60



4. delete 80

