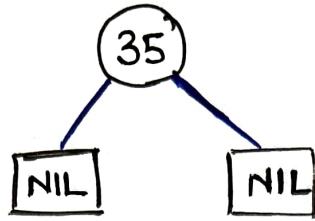


# DSOR Assignment - 5

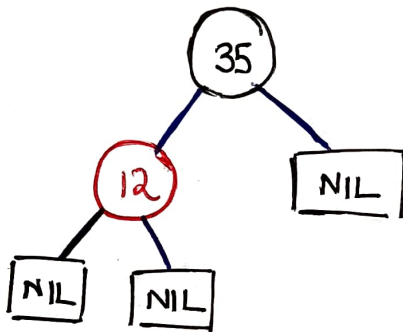
35, 12, 17, 21, 14, 11, 8, 55, 10

Ujwal N. Nayak  
19EC39044

Step 1:

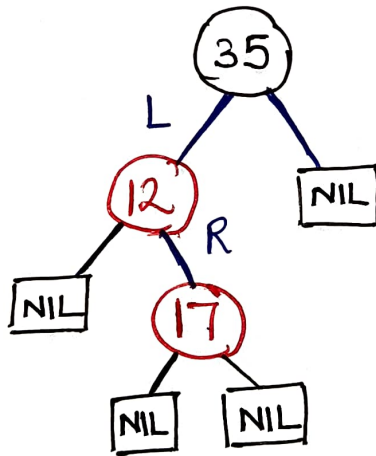


Step 2:

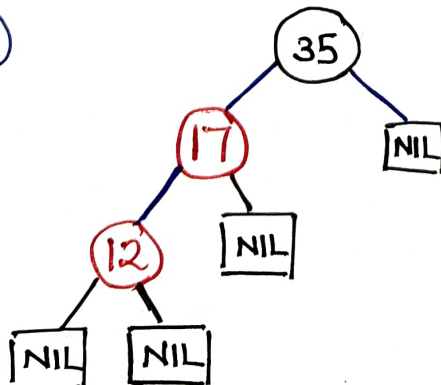


Step 3:

(i)



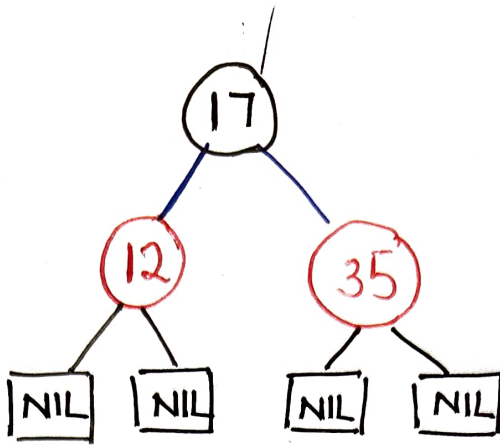
(ii)



Red parent  
↓  
Black uncle  
↓  
Rotate &  
recolour

Left-Rotate

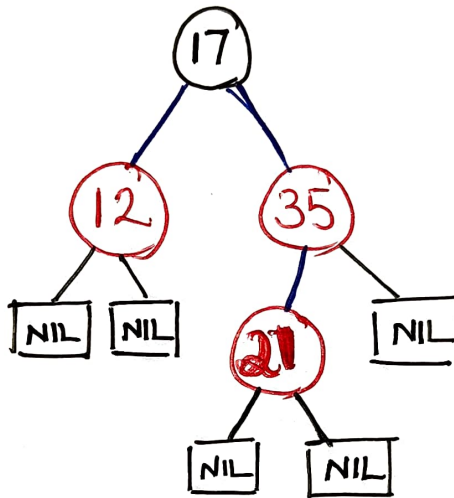
(iii)



Right\_Rotate  
and Recolour

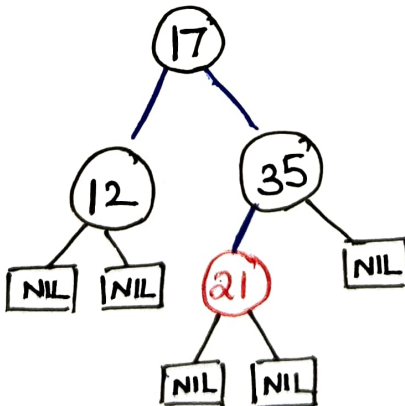
Step 4:

(i)

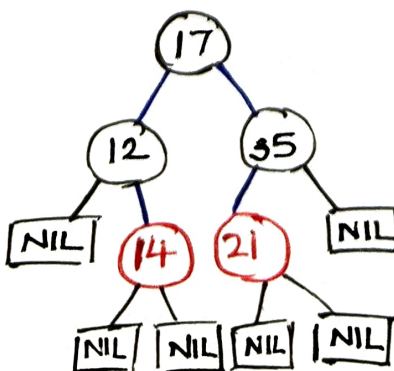


Red parent  
↓  
Red-uncle  
⇓  
Recolour

(ii)

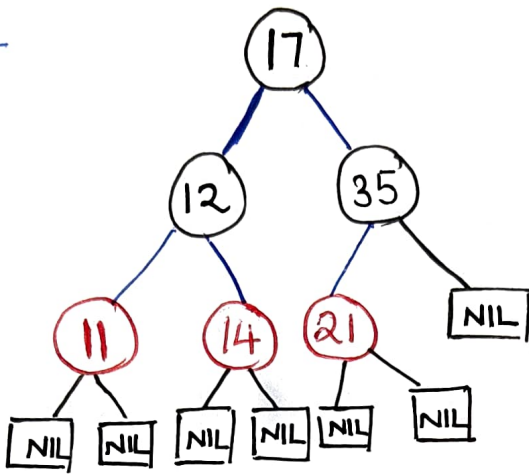


Step 5:



Black parent  
↓  
No change

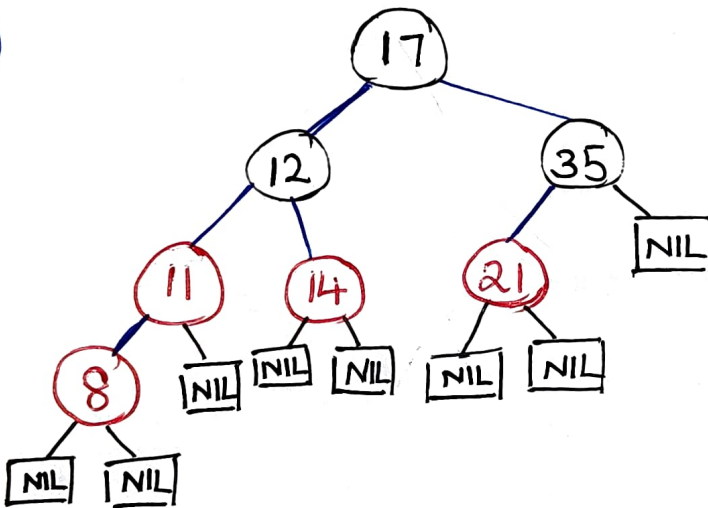
Step 6 :



Black parent  
 ↓  
 No change

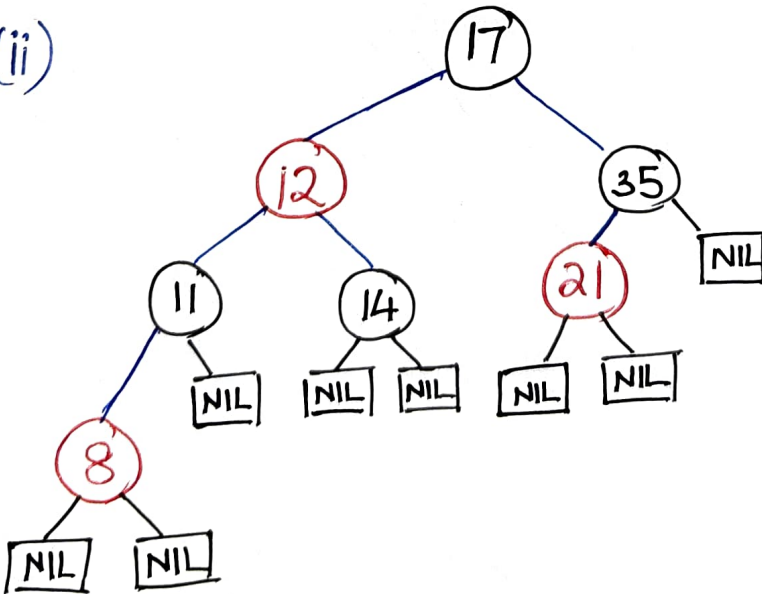
Step 7 :

(i)

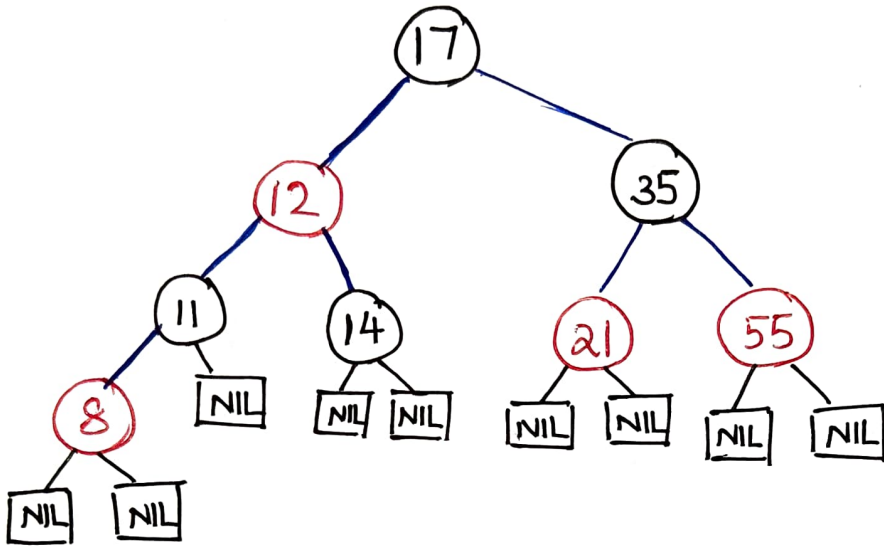


Red parent  
 ↓  
 Red uncle  
 ↓  
 Recolour

(ii)



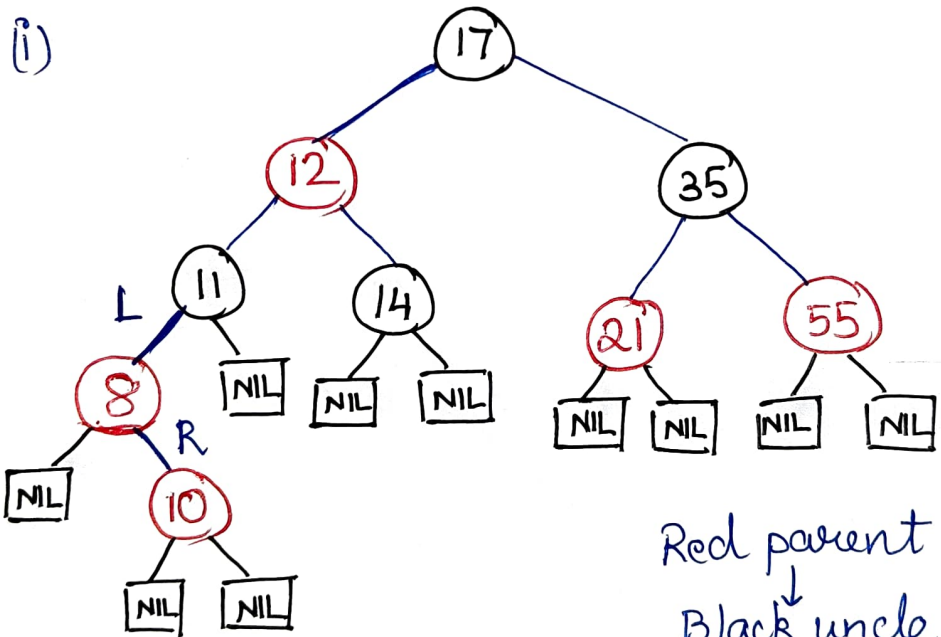
Step 8:



Black  
parent  
⇓  
No change

Step 9:

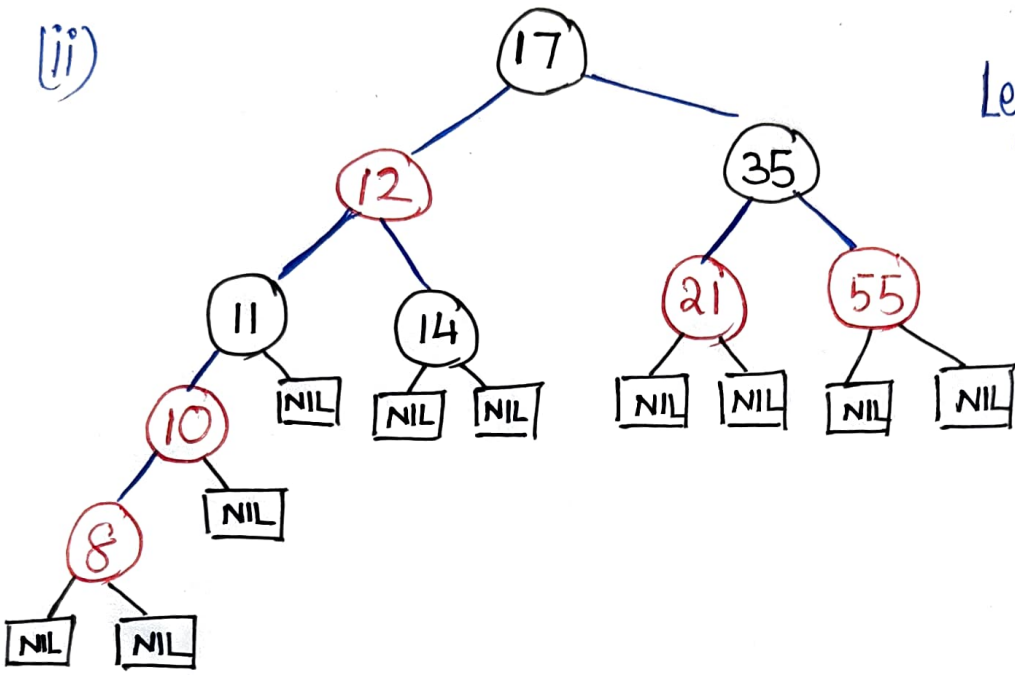
(i)



Red parent  
↓  
Black uncle  
⇓  
Rotate & recolor

(ii)

Left-Rotate



(iii)

Right-Rotate  
&  
Recolour

