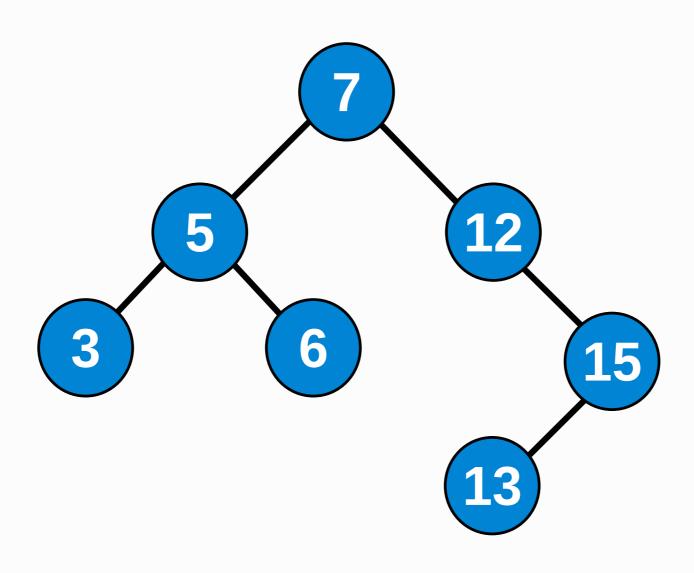
# ÁRBOLES BINARIOS

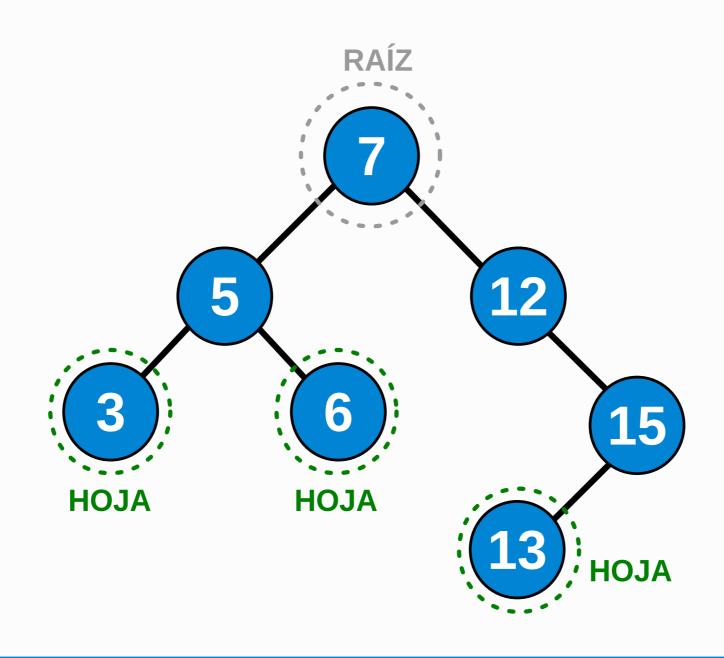
#### 75.41 - ALGORITMOS Y PROGRAMACIÓN II

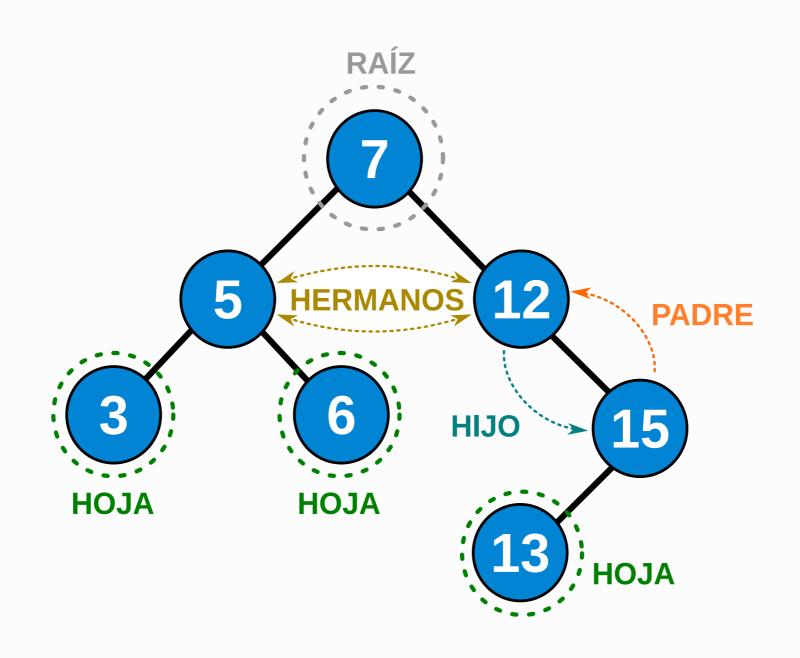


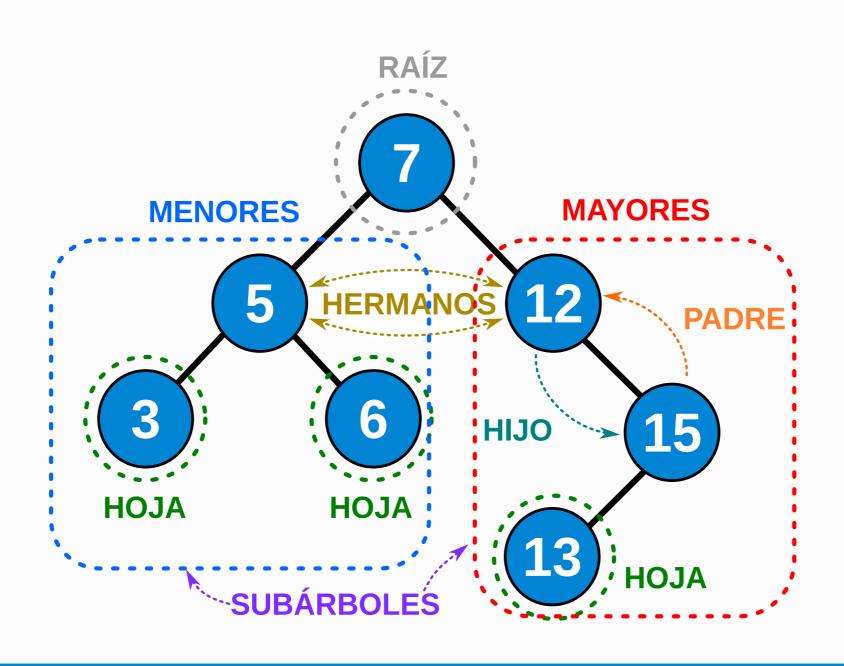


# CARACTERÍSTICAS

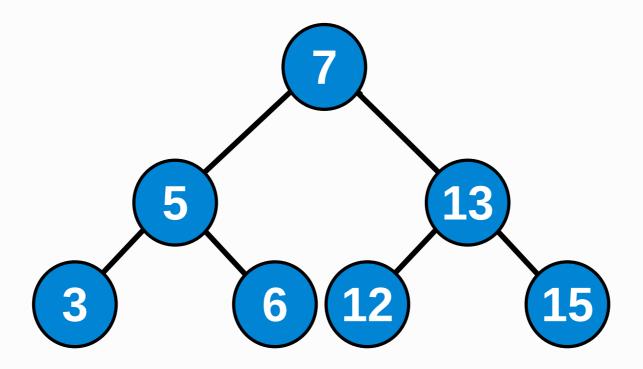






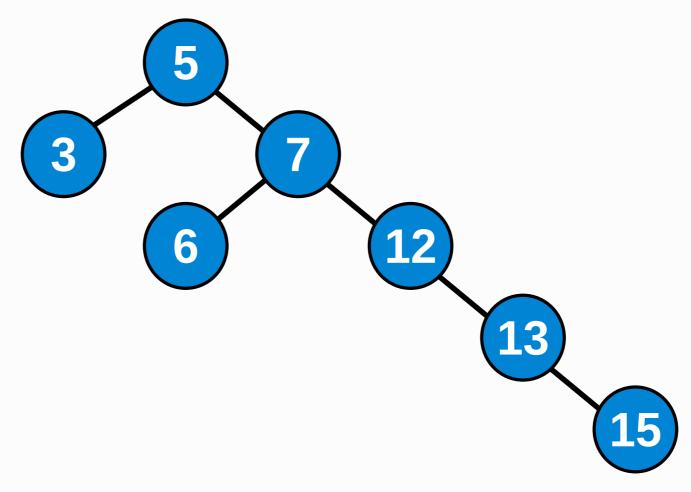


#### **ÁRBOL BALANCEADO**



SI EL ÁRBOL ES BALANCEADO, TODOS LOS CAMINOS DESDE LA RAÍZ HASTA LAS HOJAS SON DE LONGITÚD Log2(N)

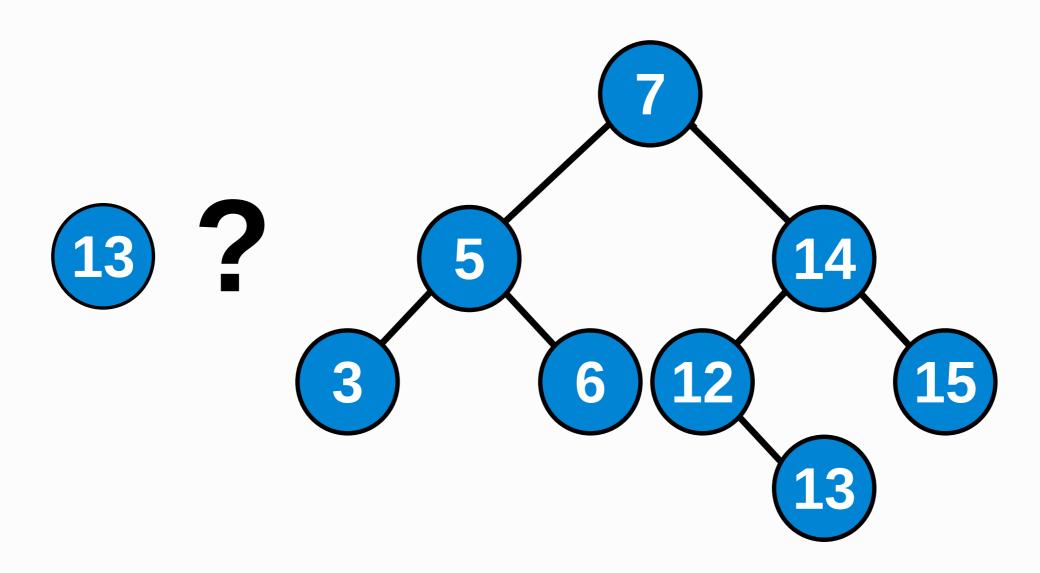
#### **ÁRBOL DESBALANCEADO**

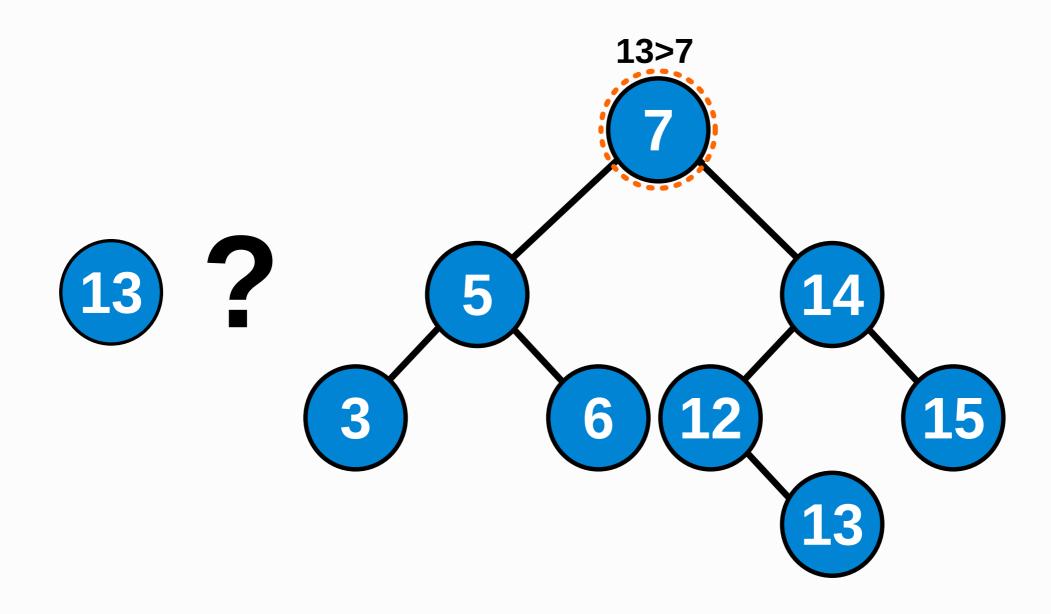


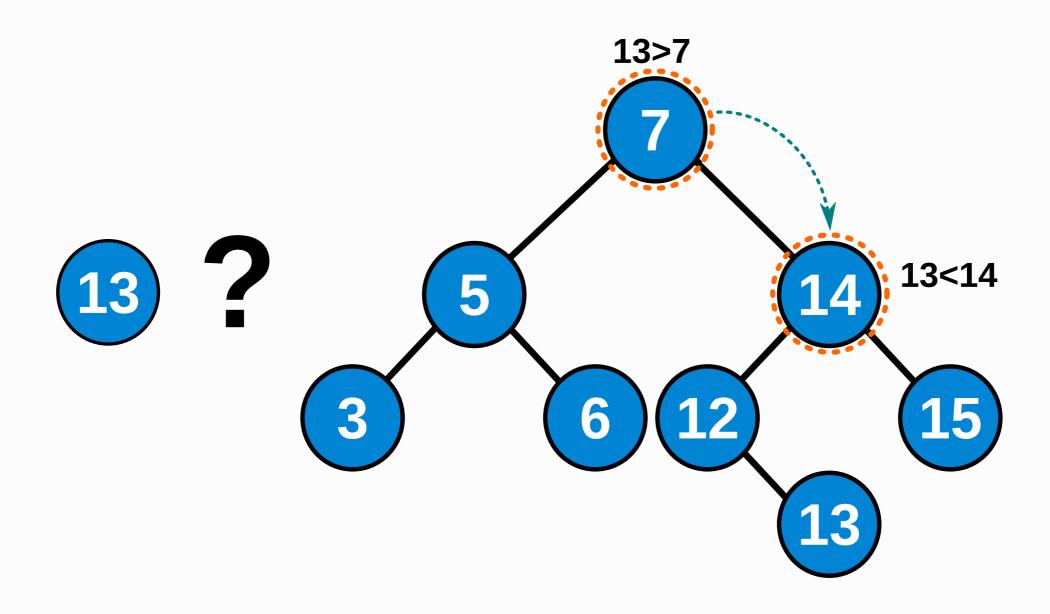
DEGENERA EN UNA LISTA (CAMINO DE LONGITUD N DESDE LA RAÍZ)

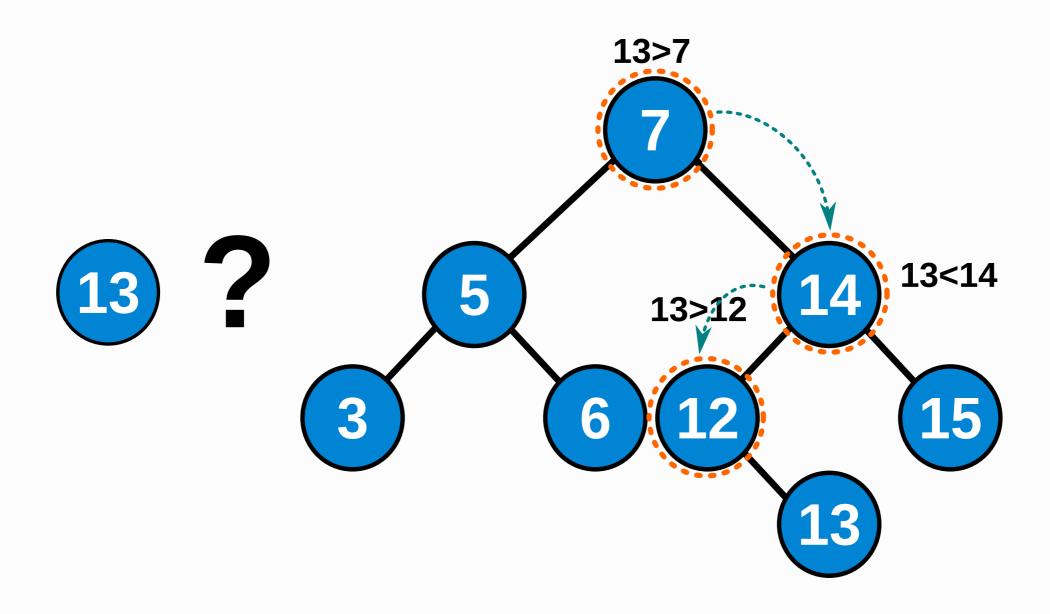


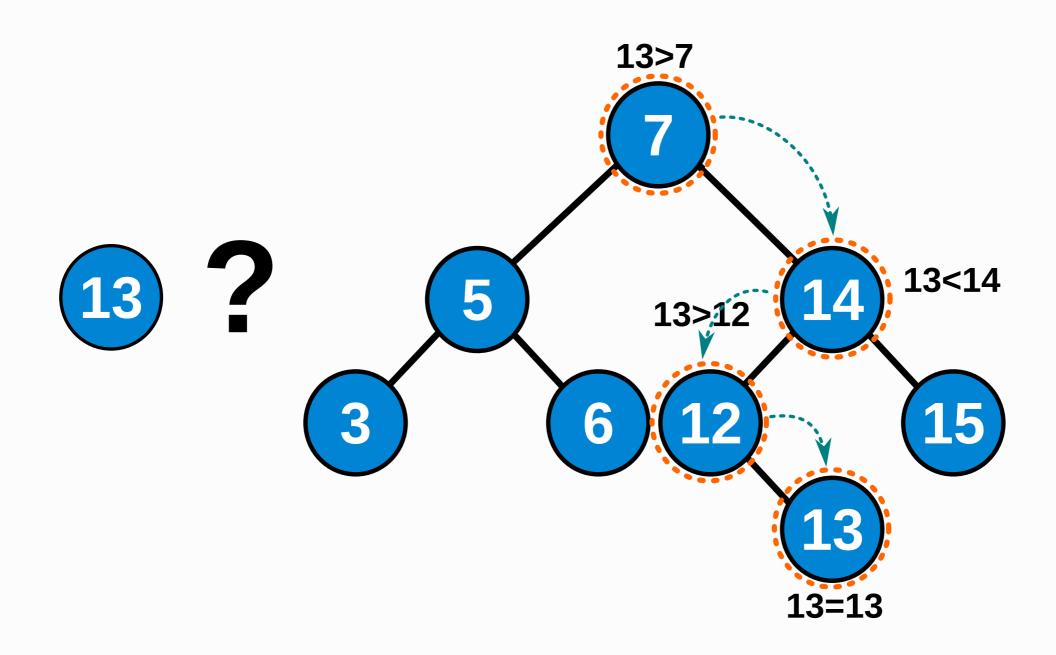
# **OPERACIONES**

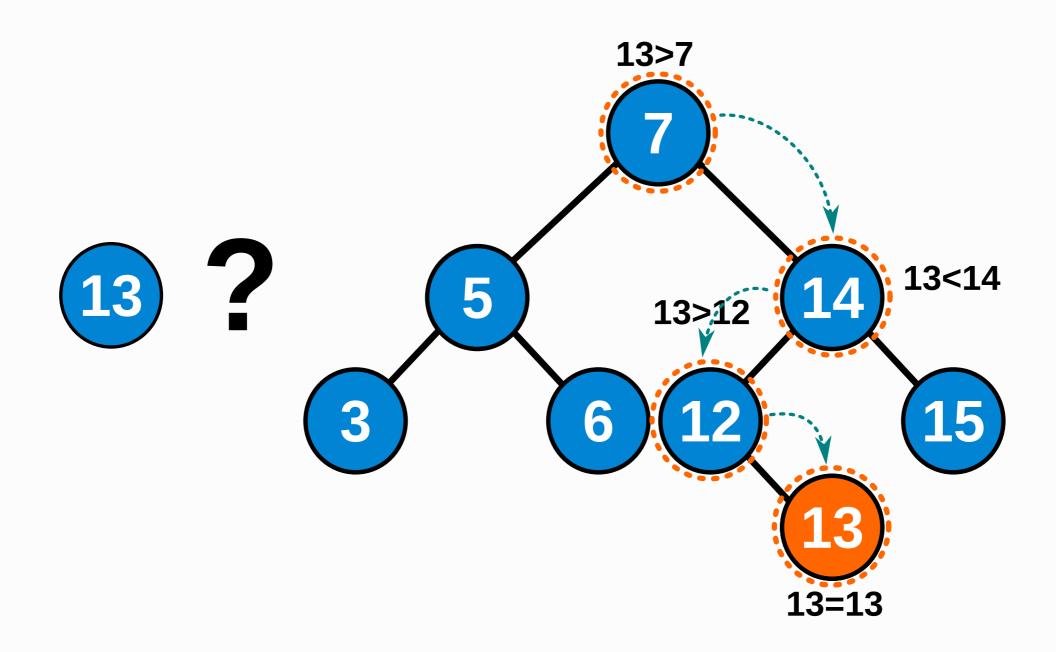




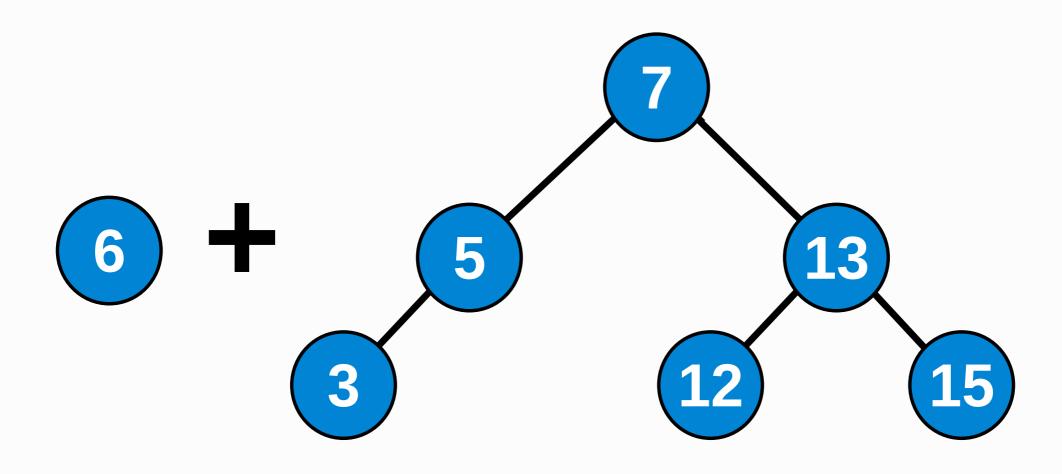




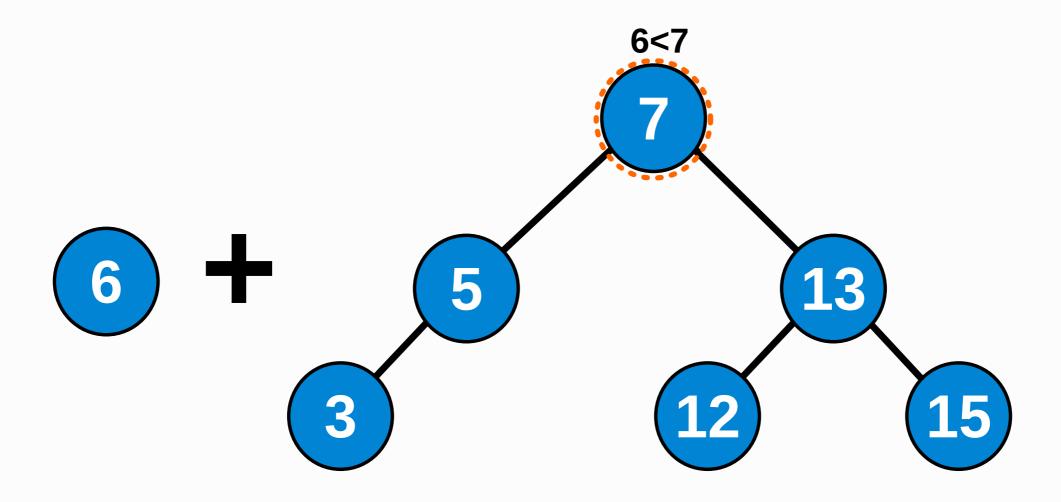




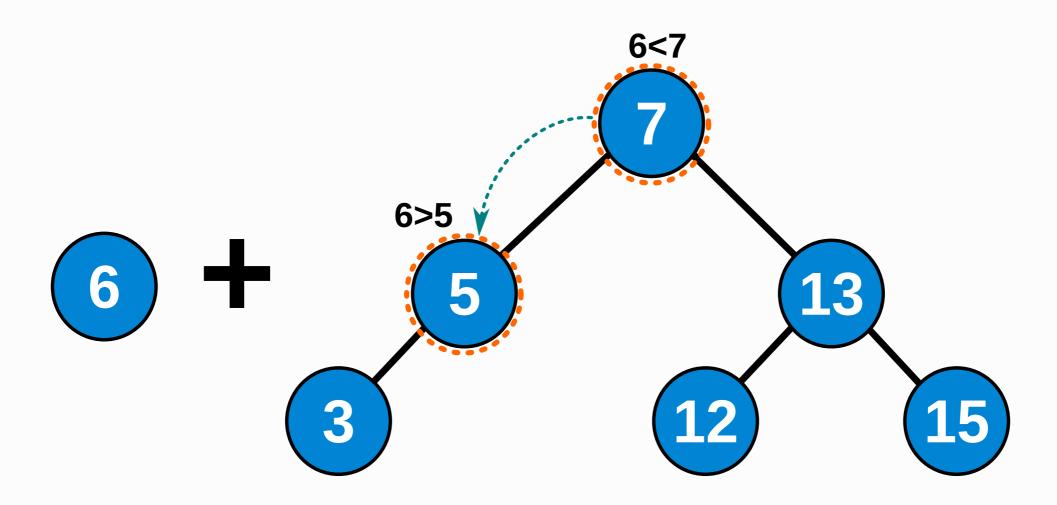




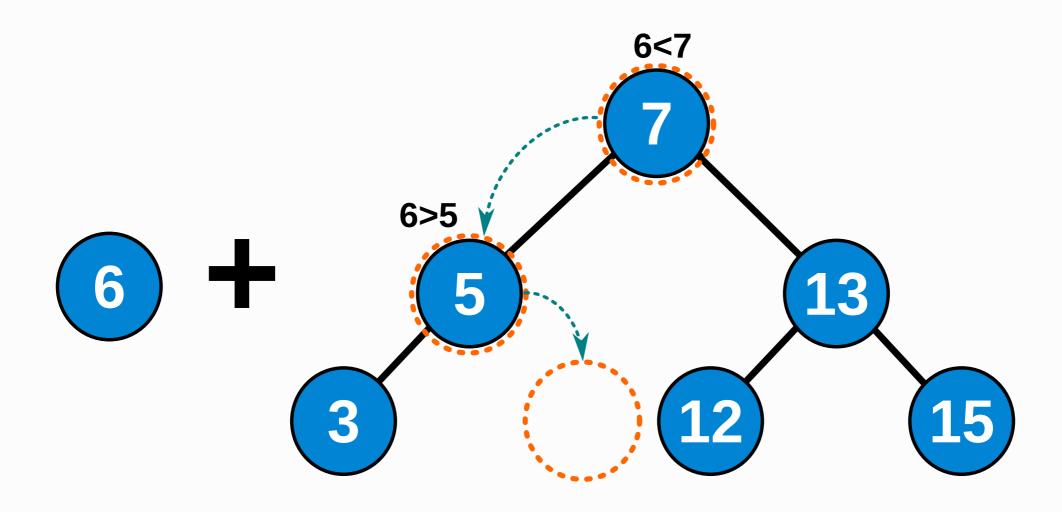




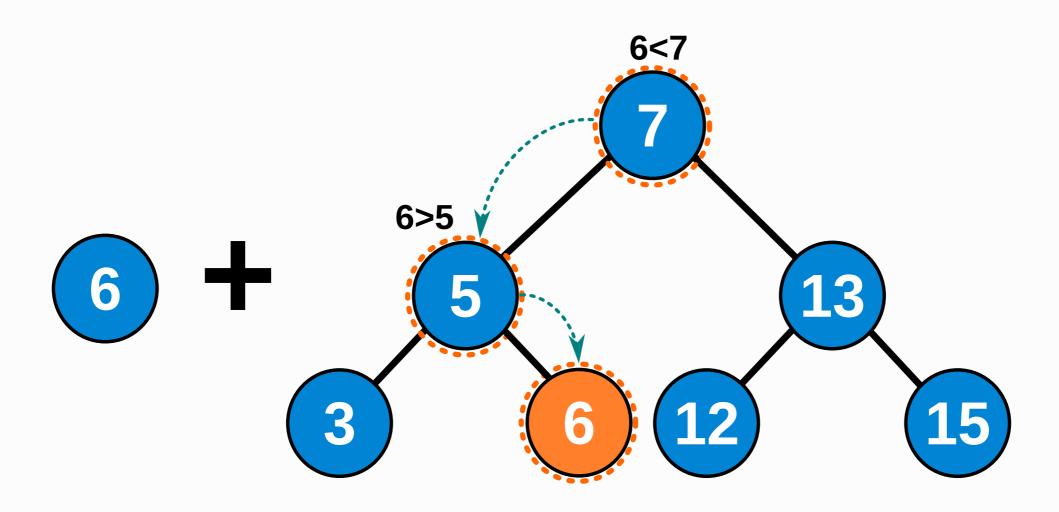




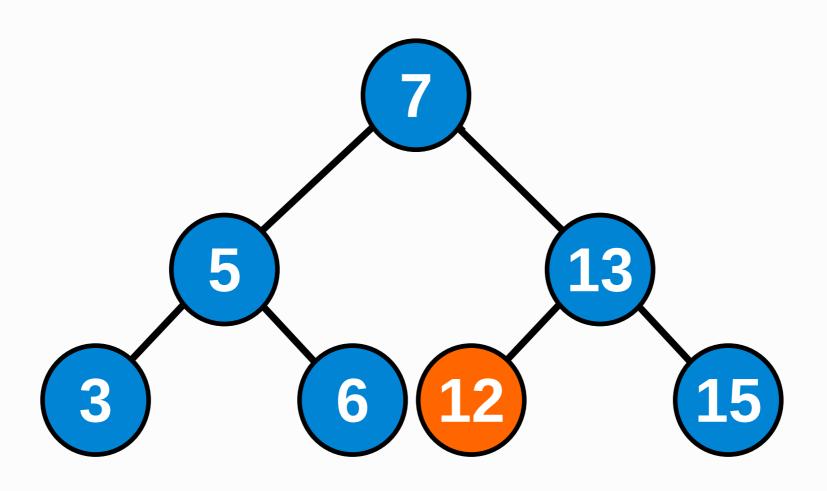




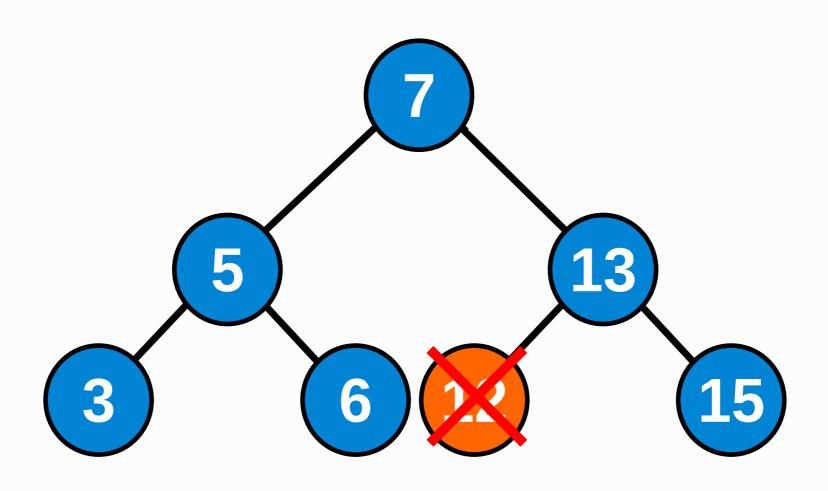




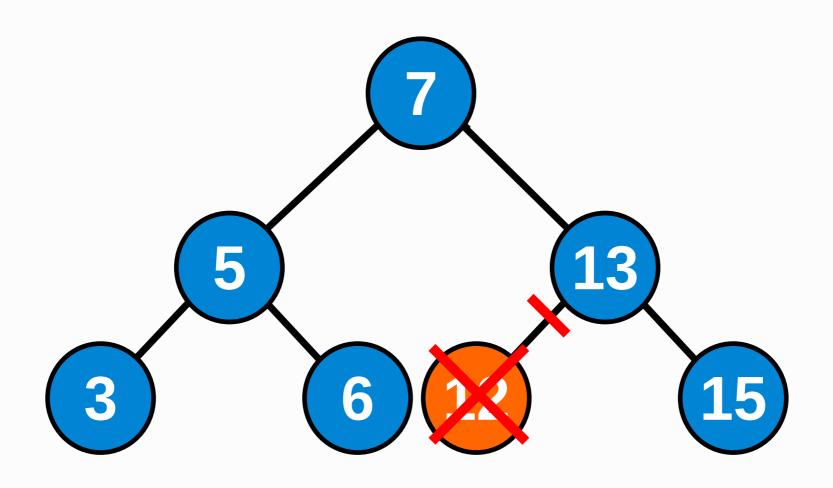
# ELIMINACIÓN - NODO HOJA

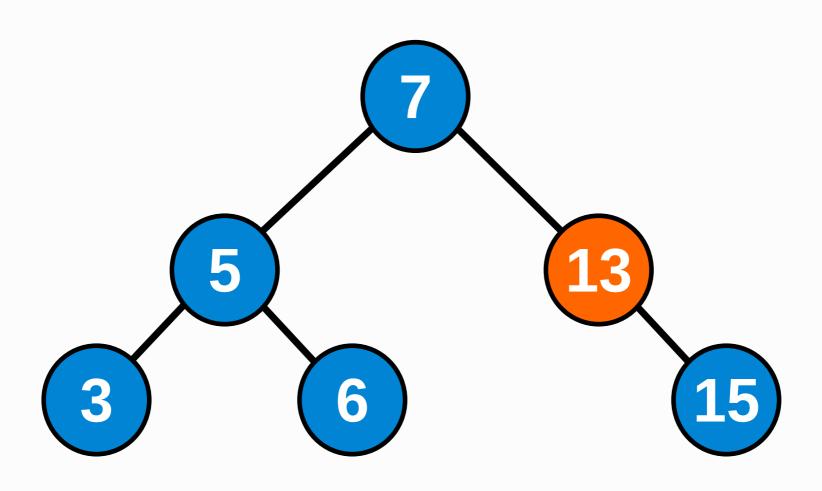


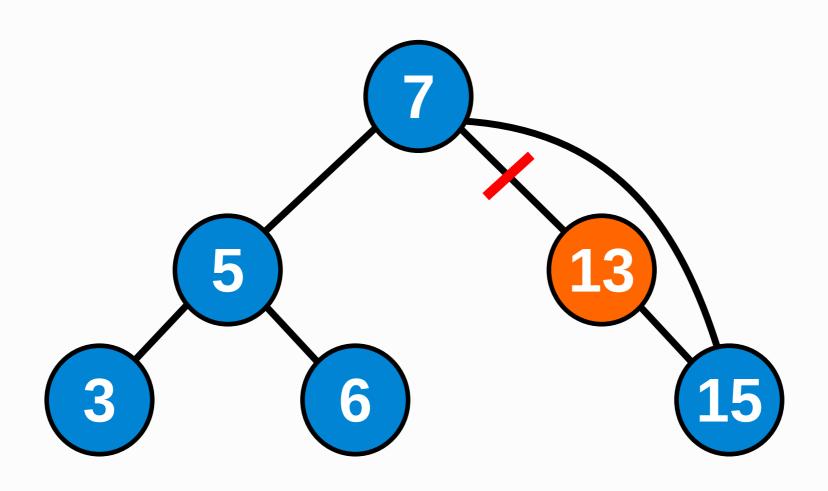
# ELIMINACIÓN - NODO HOJA

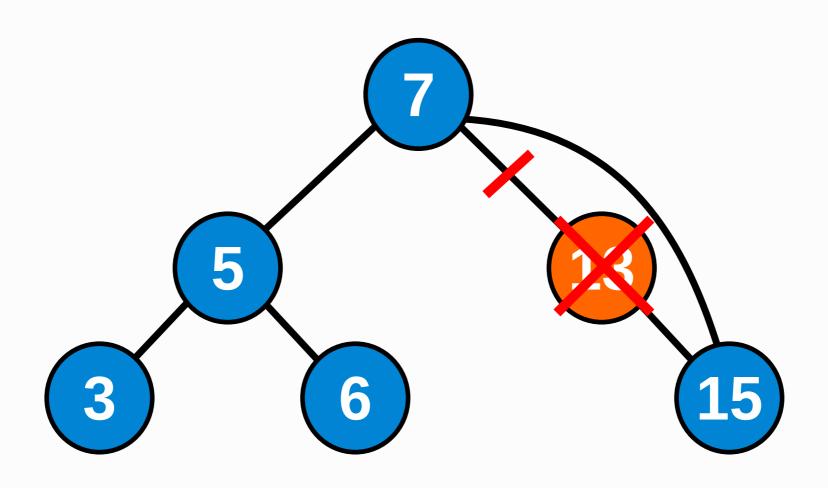


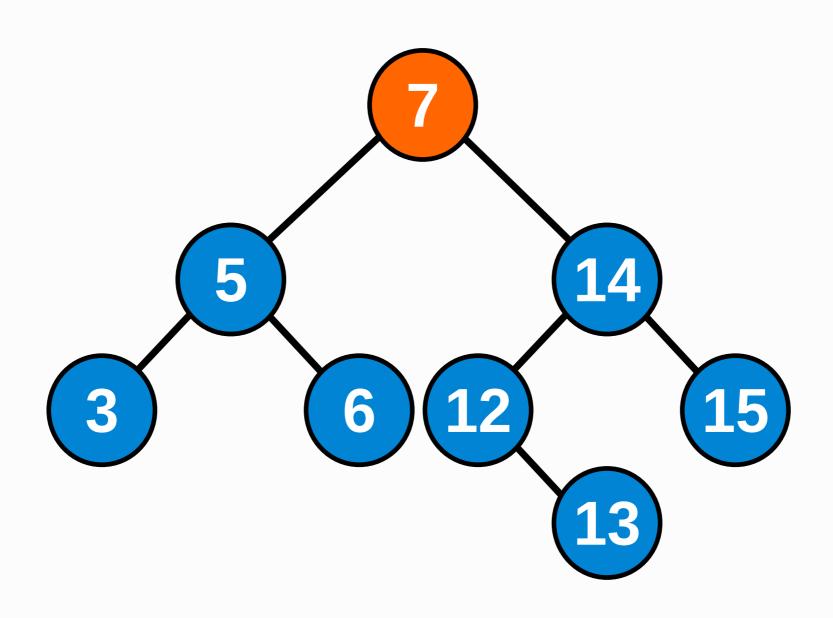
# ELIMINACIÓN - NODO HOJA

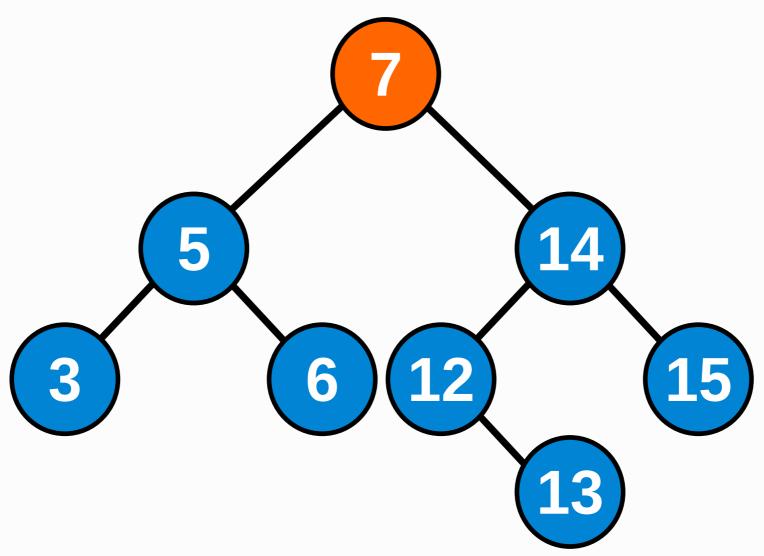




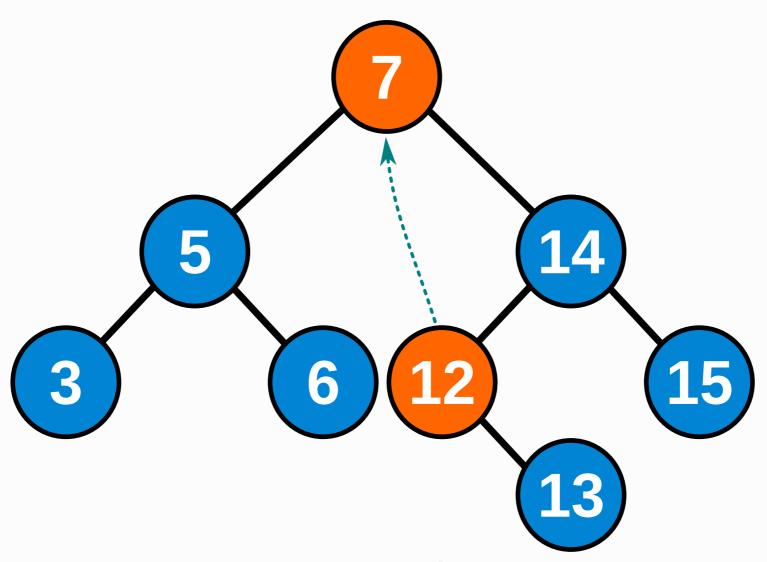




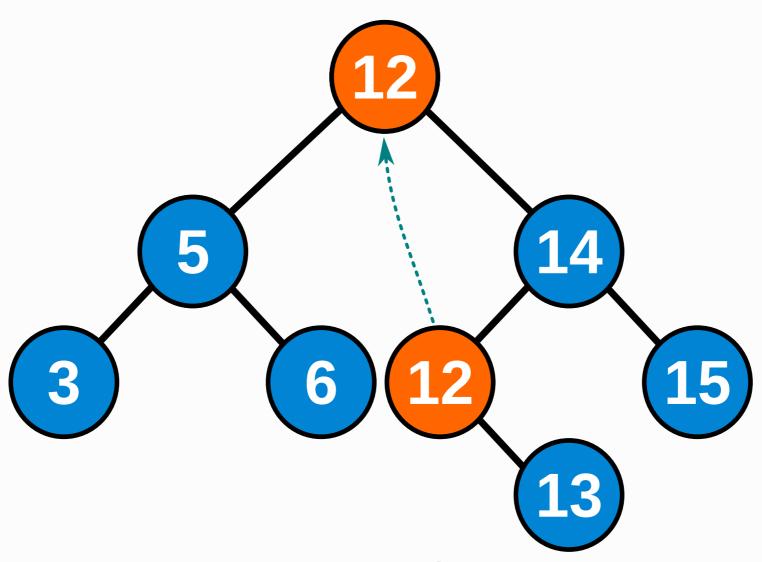




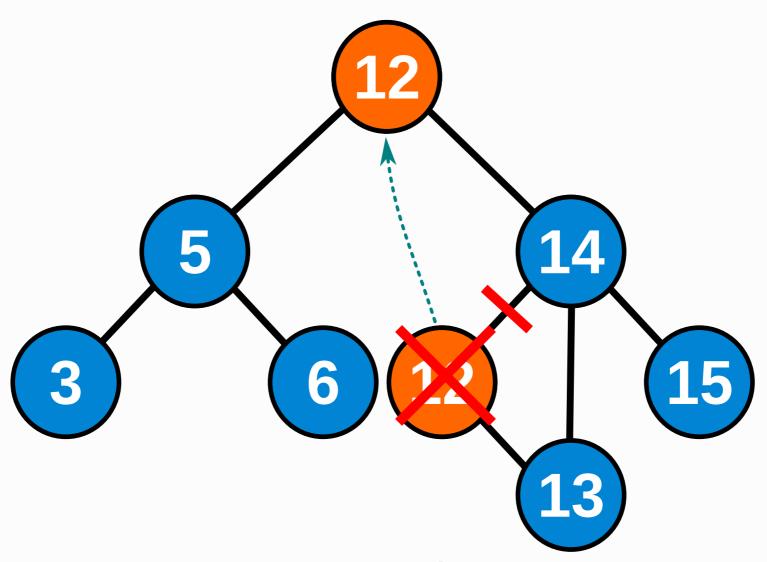
REEMPLAZO EL NODO CON SU SUCESOR/PREDECESOR INORDER



REEMPLAZO EL NODO CON SU SUCESOR/PREDECESOR INORDER



REEMPLAZO EL NODO CON SU SUCESOR/PREDECESOR INORDER LUEGO ELIMINO ESE NODO



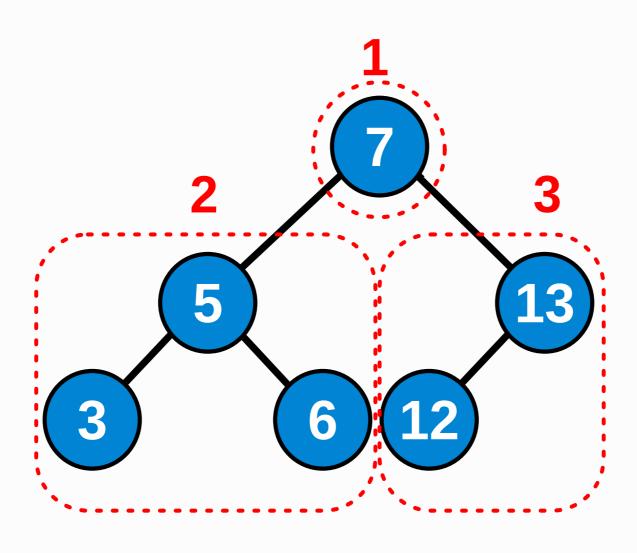
REEMPLAZO EL NODO CON SU SUCESOR/PREDECESOR INORDER LUEGO ELIMINO ESE NODO



# RECORRIDOS

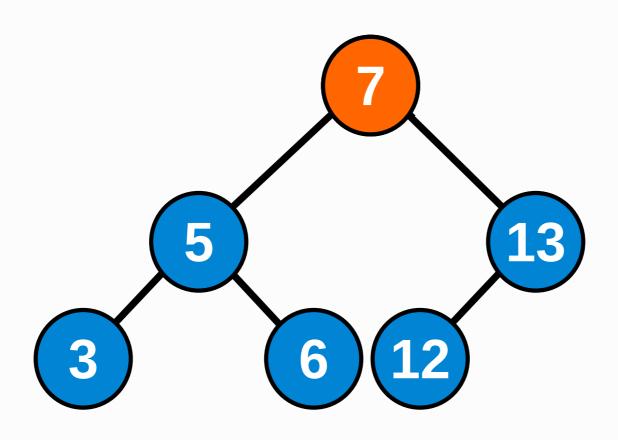






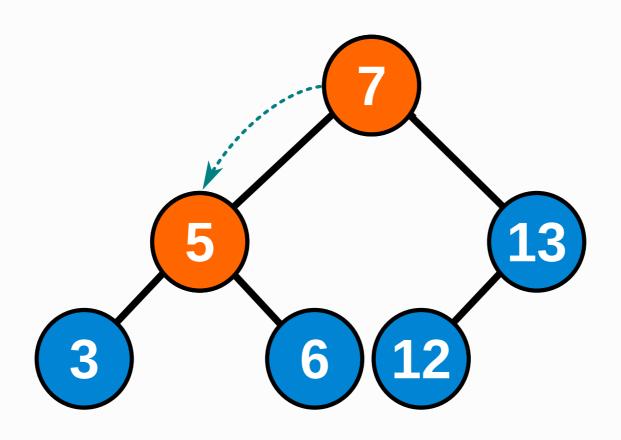




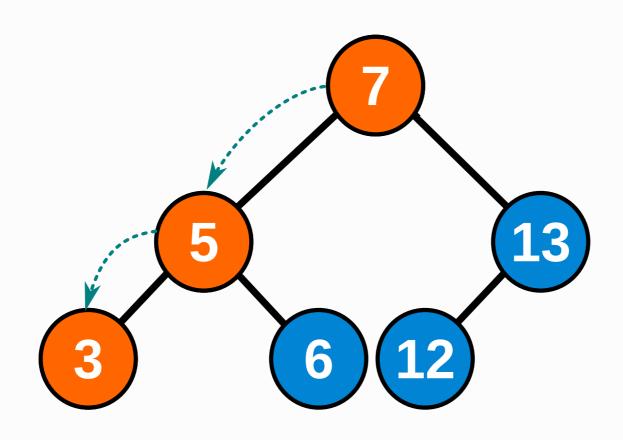




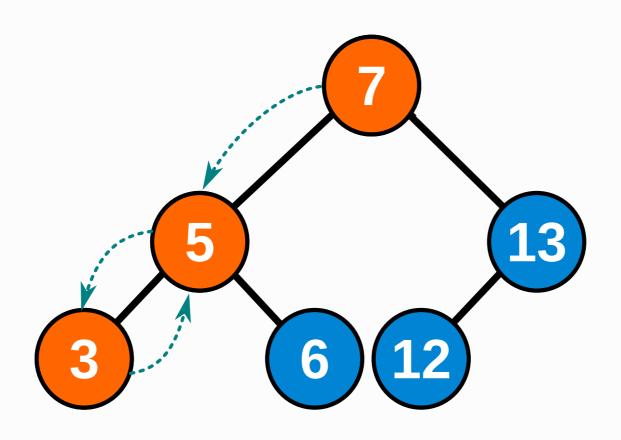




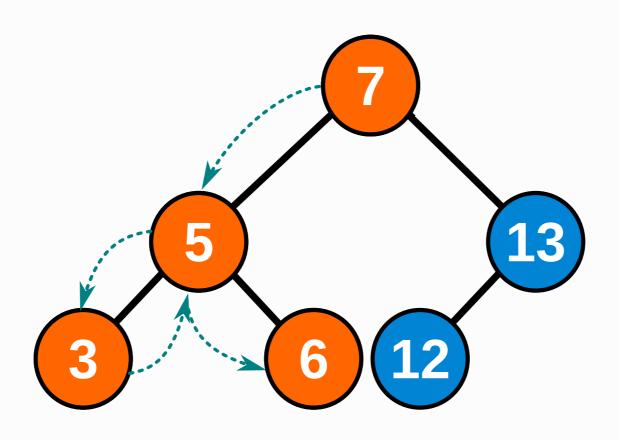
7-5



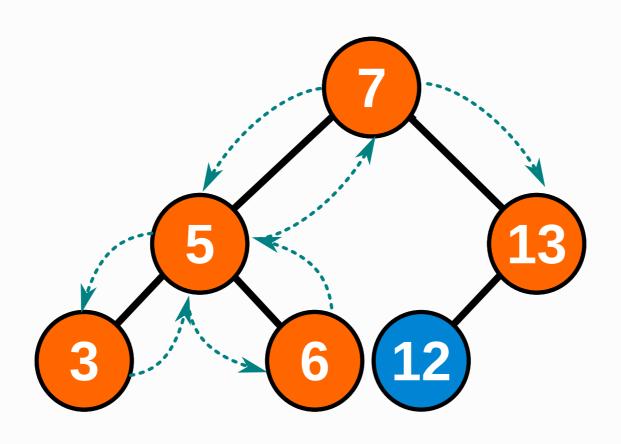
7-5-3



7-5-3

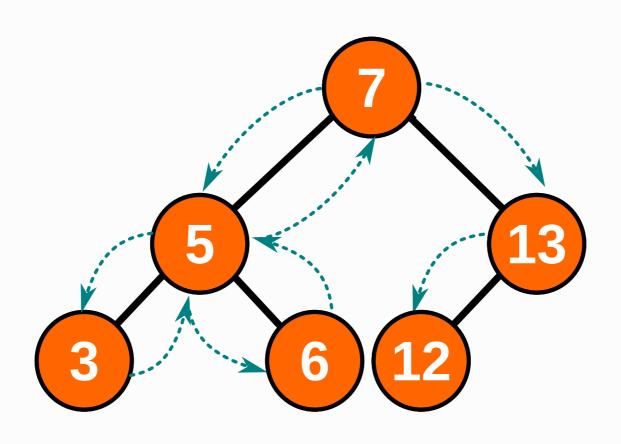


7-5-3-6



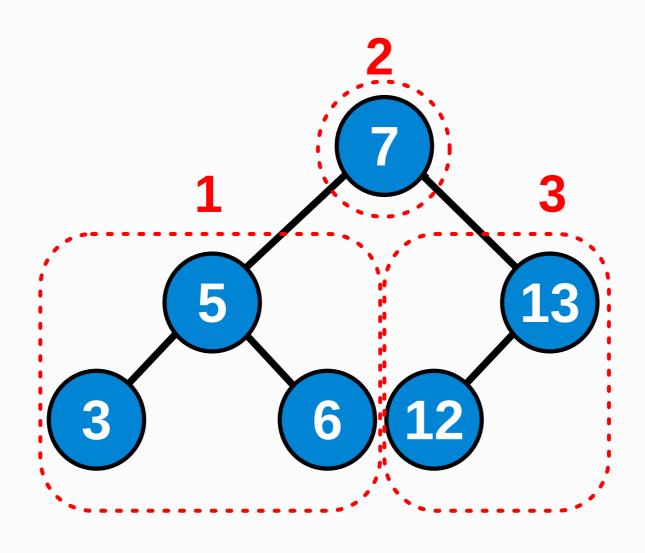
7-5-3-6-13



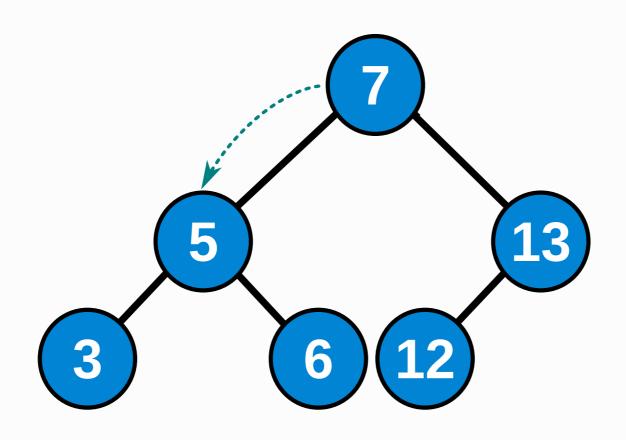


7-5-3-6-13-12

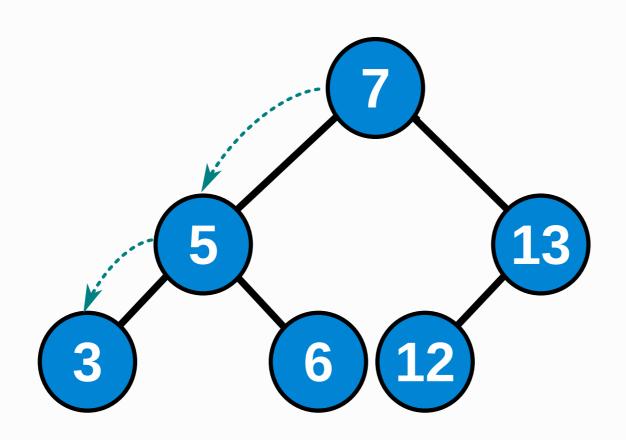






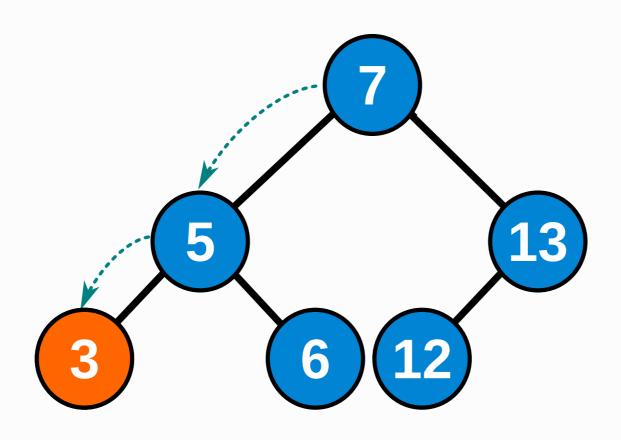






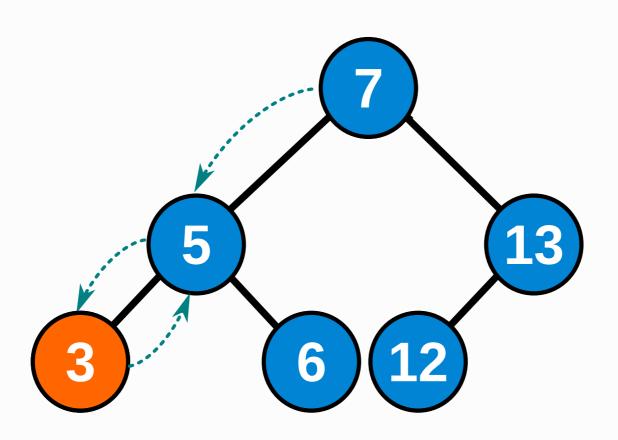


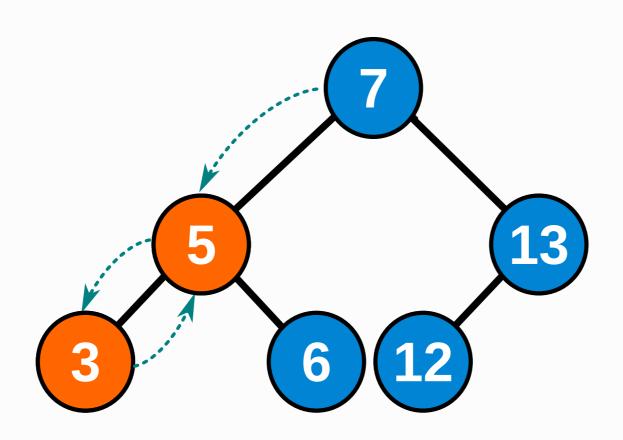




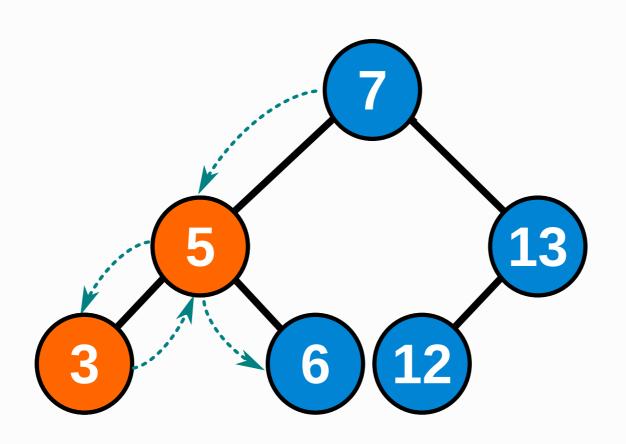




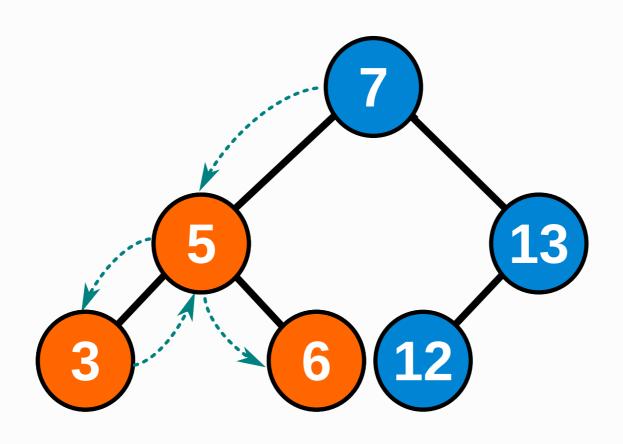




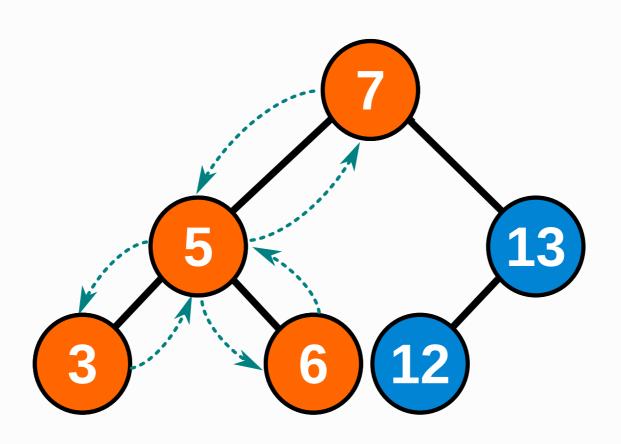
3 -5



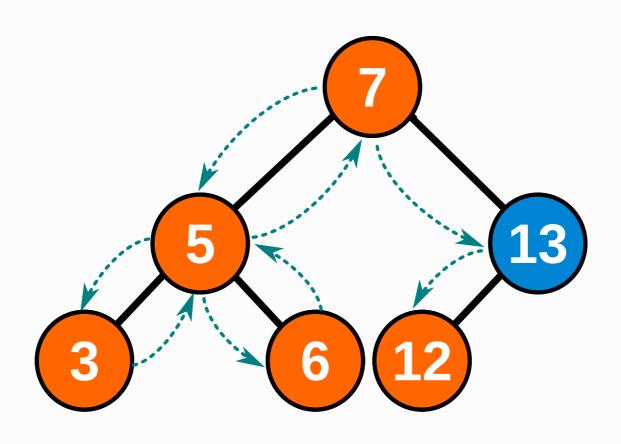
3 -5



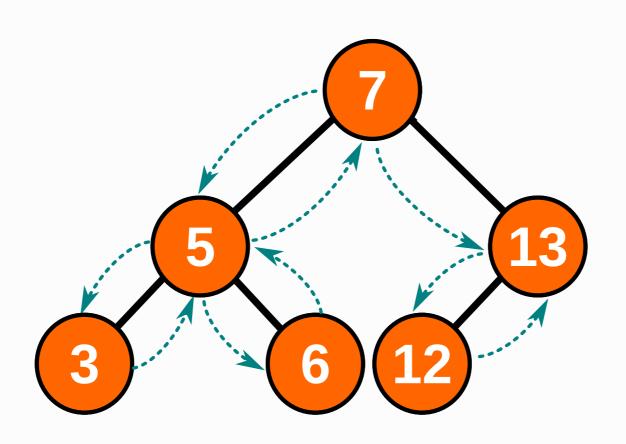
3 -5 -6



3-5-6-7



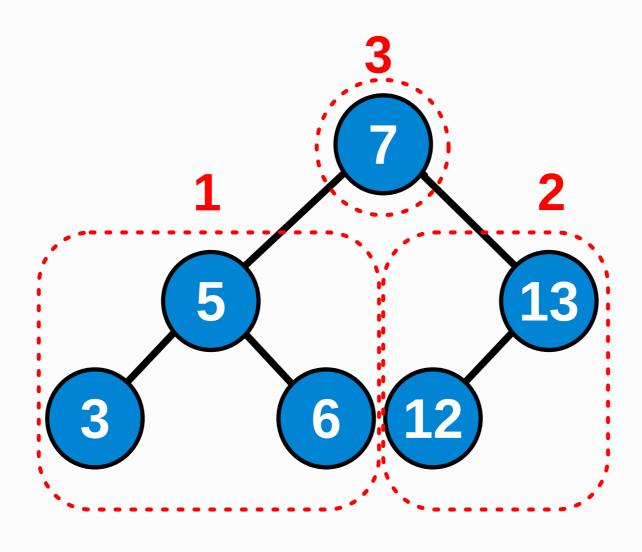
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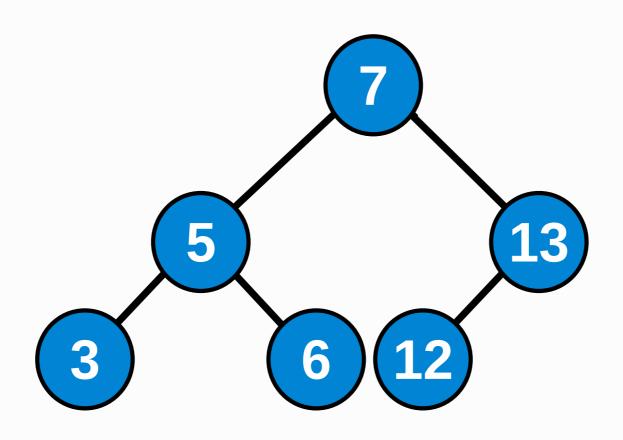
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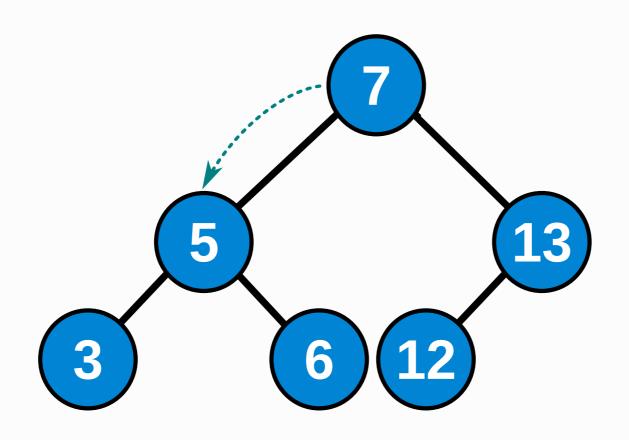




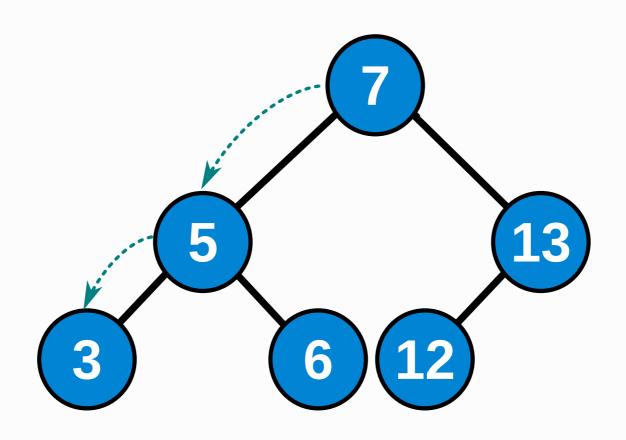






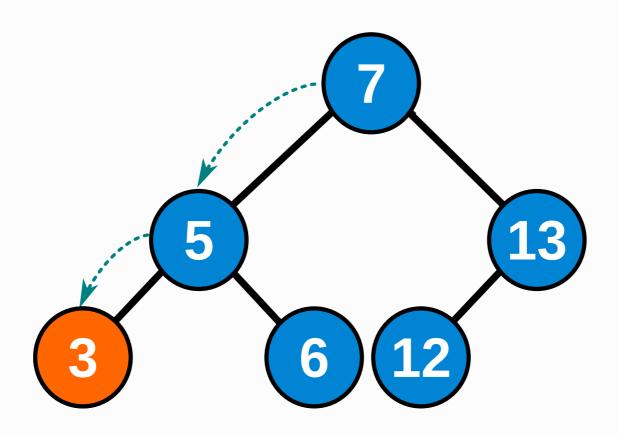






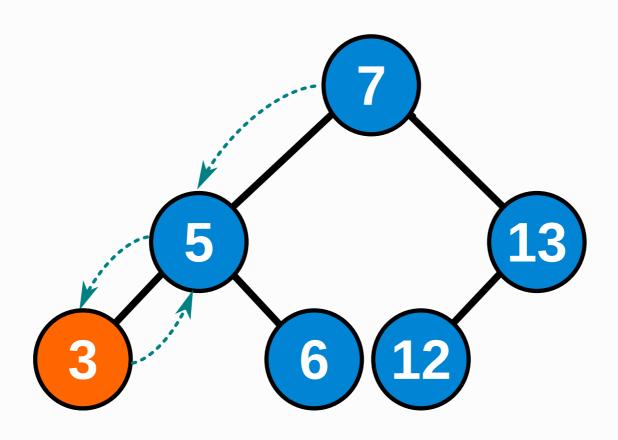






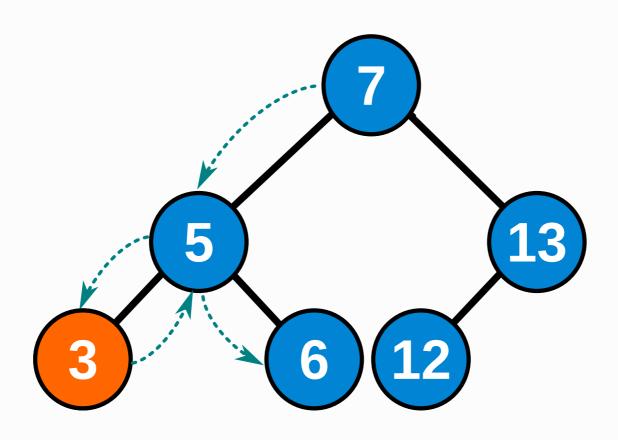




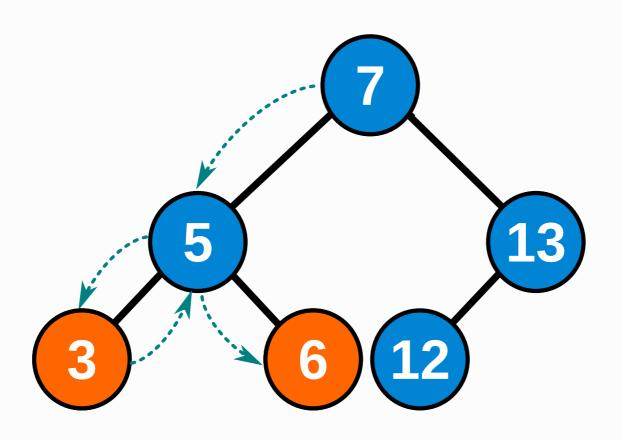






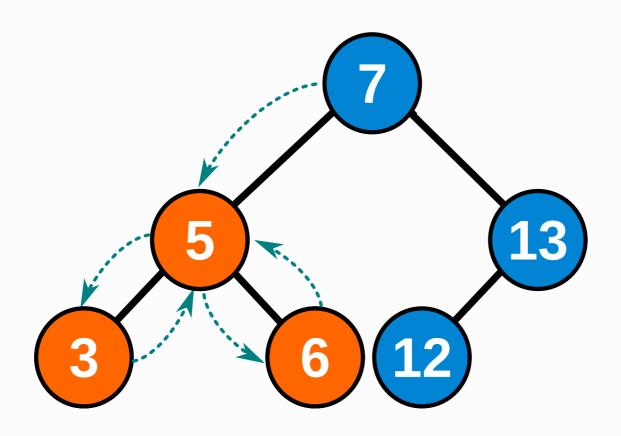






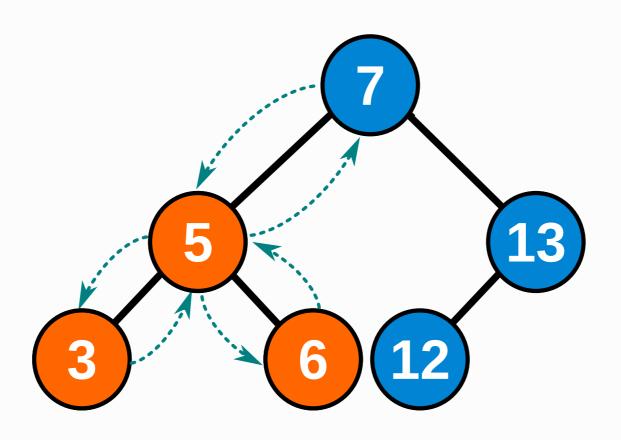
3-6





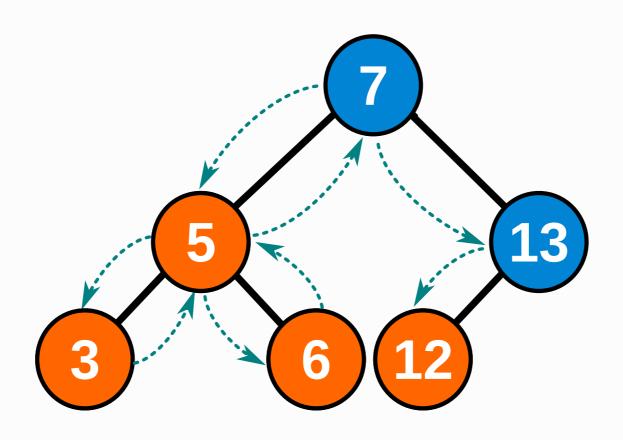
3-6-5





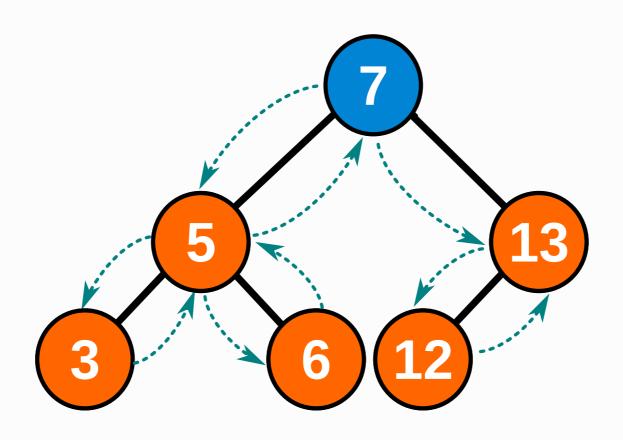
3-6-5





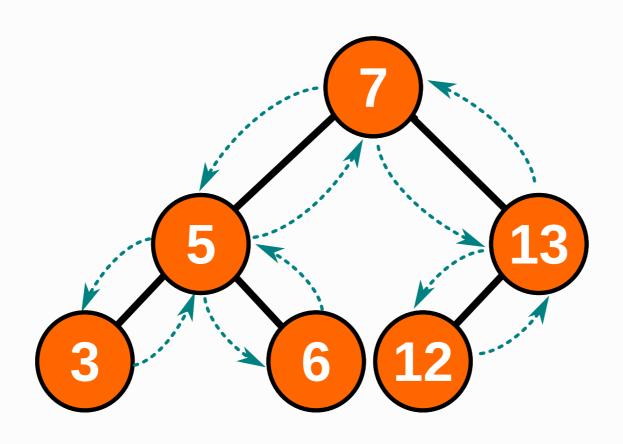
3-6-5-12





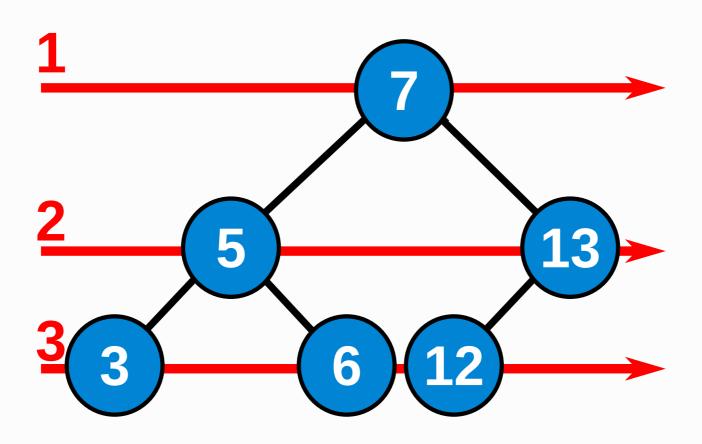
3-6-5-12-13





3-6-5-12-13-7





7-5-13-3-6-12



## ¿PREGUNTAS?

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