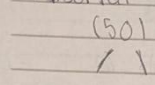


Ejemplos de prueba para BST

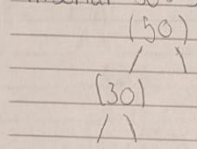
Datos a insertar [50, 30, 70, 20, 40, 60, 80]

Paso a paso

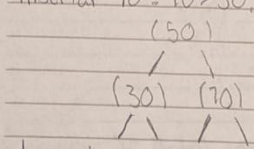
Insertar 50: sera la raiz



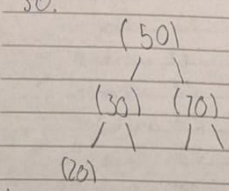
Insertar 30: $30 < 50$ se va a la izquierda de 50



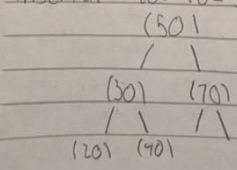
Insertar 70: $70 > 50$, va a la derecha de 50



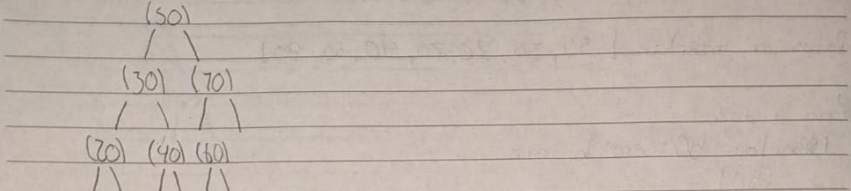
Insertar 20: $20 < 50$ (izq), $20 < 30$ (izq). Va a la izquierda de 30.



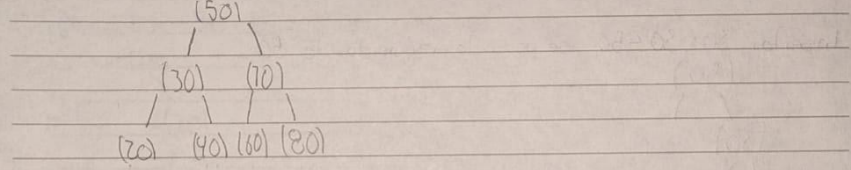
Insertar 40: $40 < 50$ (izq), $40 > 30$ (der). Va a la derecha de 30



Insertar 60: $60 > 50$ (der), $60 < 70$ (izq). Va a la izquierda de 70.

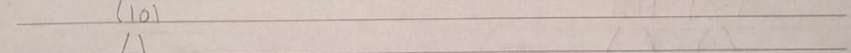


Insertar 80: $80 > 50$ (der), $80 > 70$ (der). Va a la derecha de 70

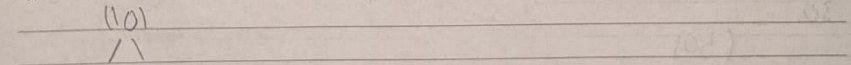


Ejemplo 2: Arbol desbalanceado inclinado a la derecha
 Datos: [10, 20, 30, 40, 50]

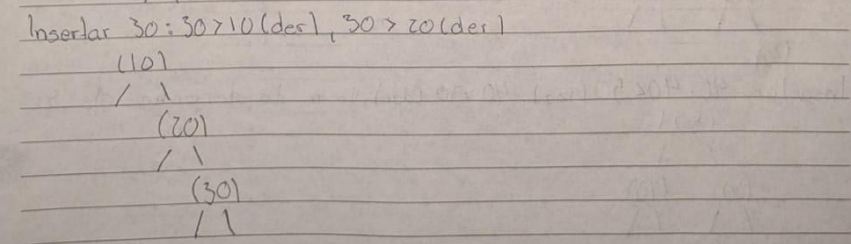
Insertar 10: Raiz



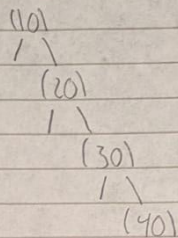
Insertar 20: $20 > 10$ (der)



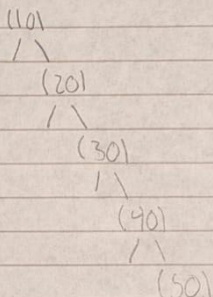
Insertar 30: $30 > 10$ (der), $30 > 20$ (der)



Insertar 40: $40 > 10$ (der), $40 > 20$ (der), $40 > 30$ (der)

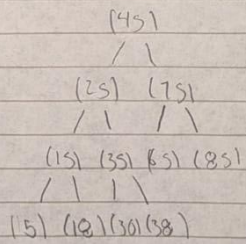


Insertar 50: $50 > 10$ (der), $50 > 20$ (der), $50 > 30$ (der), $50 > 40$ (der)



Ejemplo 3: Arbol con multiples ramificaciones

- 1 Insertar 45
- 2 Insertar 25
- 3 Insertar 75
- 4 Insertar 15
- 5 Insertar 55
- 6 Insertar 65
- 7 Insertar 85
- 8 Insertar 5
- 9 Insertar 18
- 10 Insertar 30
- 11 Insertar 58



D

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Ejemplo 4: Con Datos Duplicados (Asumiendo que se ignoran)

Datos a insertar [50, 30, 70, 30, 50, 20, 70]

Paso a paso:

1 Insertar 50

2 Insertar 30

3 Insertar 70

4 Insertar 30 ! Se ignora

5 Insertar 50 ! Se ignora

6 Insertar 20

7 Insertar 70 ! Se ignora

