

10, 16, 22, 18, 34, 47, 33, 32, 8, 6

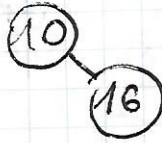
1st page

Poontun Sara
2AHIF

• 1st Step

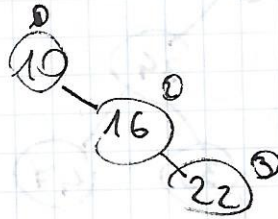


• 2nd step



$$16 > 10$$

• 3rd step



$$22 > 10 \text{ \& \& } 22 > 16$$

depth left: 1

depth right: 3

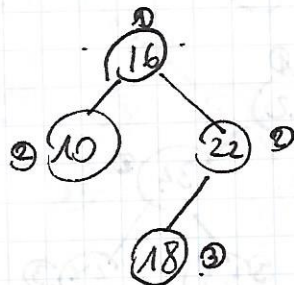
$$1 - 3 = -2$$

⇒ single left rotation

• 3rd step after SLR



• 4th step

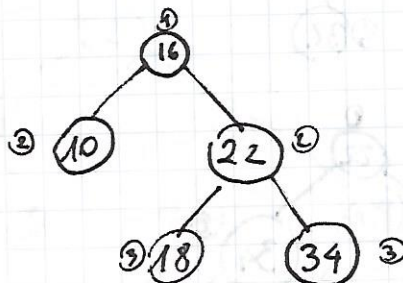


depth left = 2

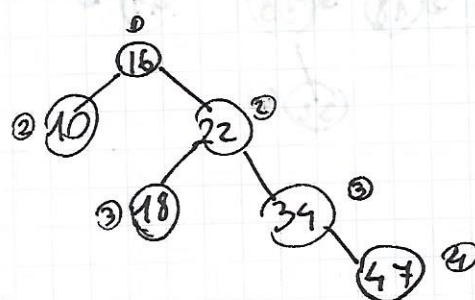
" right = 3

$$2 - 3 = -1$$

• 5th step



• 6th step



depth left = 2

" right = 4

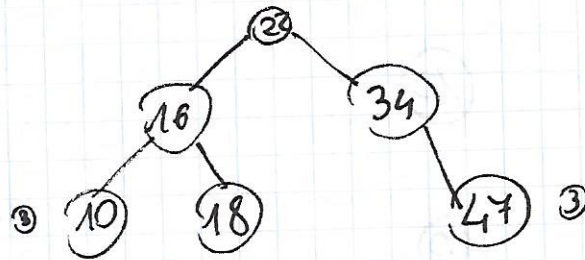
$$2 - 4 = -2$$

• Right - Right - Case

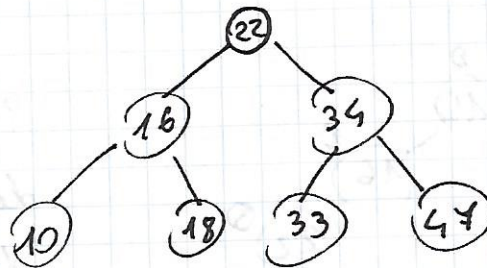
⇒ single left rotation

• 6th step after SLR

{ 2nd Page

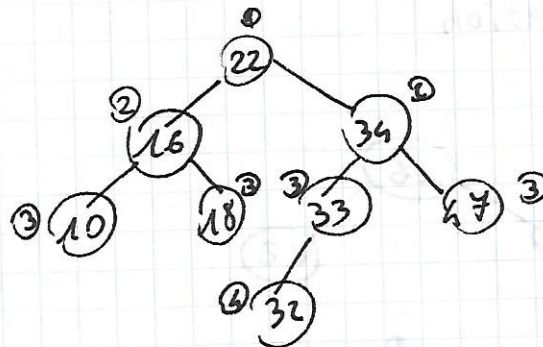


• 7th step



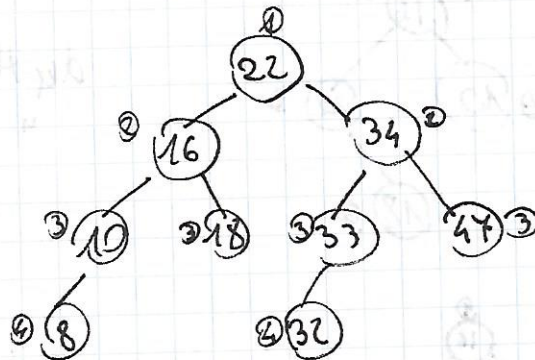
$$3 - 3 = 0$$

• 8th step

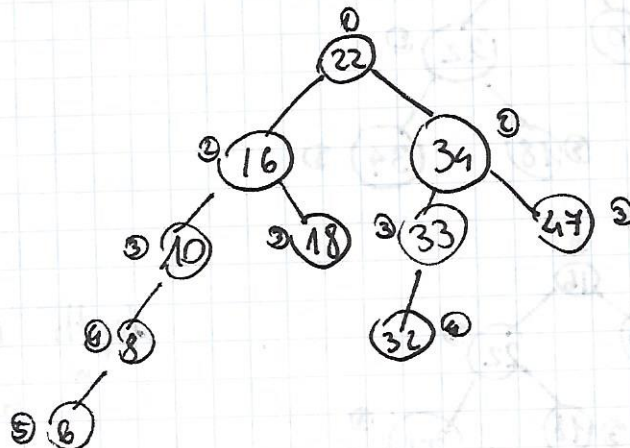


$$3 - 4 = -1$$

• 9th step



• 10th step

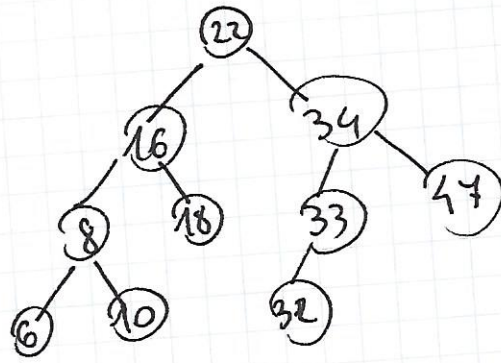


$$\begin{aligned} \text{depth left} &= 5 \\ \text{right} &= 3 \end{aligned}$$

$$5 - 3 = 2$$

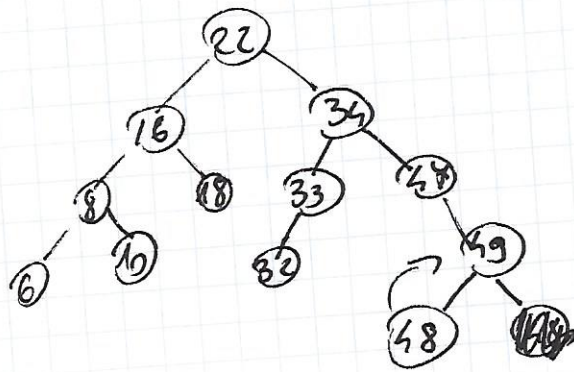
⇒ Single right rotation

10th step after SRR



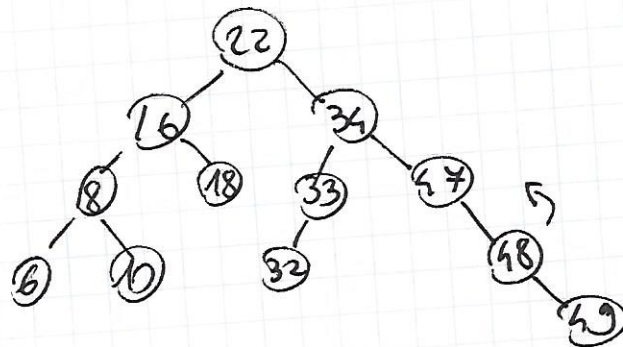
Right Left Case:

Insert 49 and 48:



right

①



left

②

