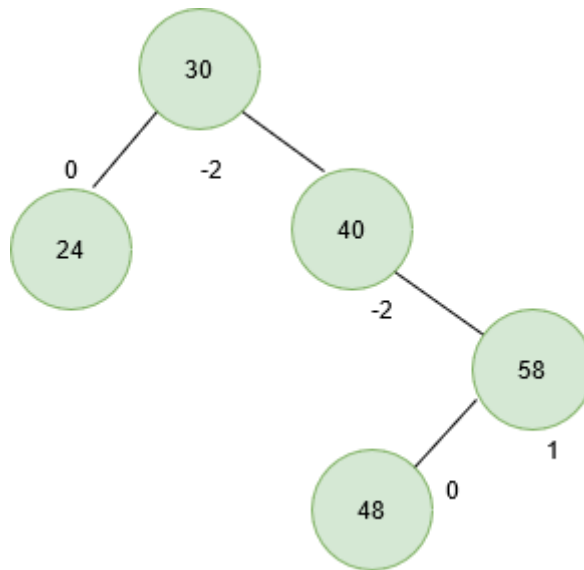


01 – Insira em uma árvore AVL, os seguintes nós na ordem em que aparecem.

Desenhe a árvore resultante da inserção, sendo que uma nova árvore deve ser desenhada quando houver uma rotação.

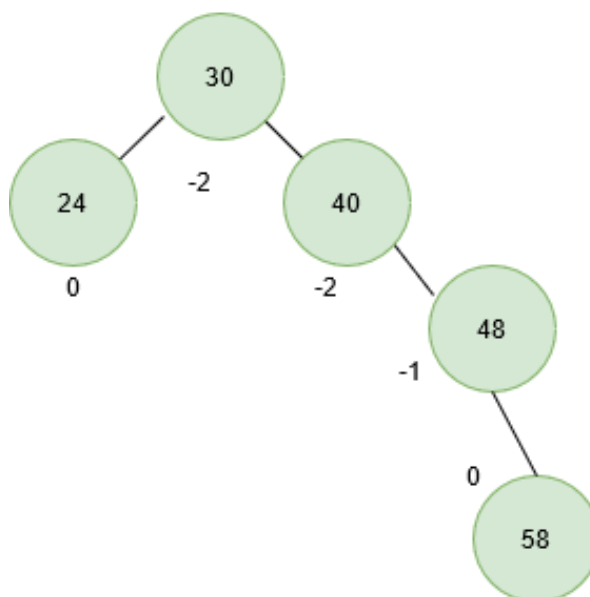
Indique qual a rotação que foi executada.

a) 30, 40, 24, 58, 48, 26, 11, 13, 14



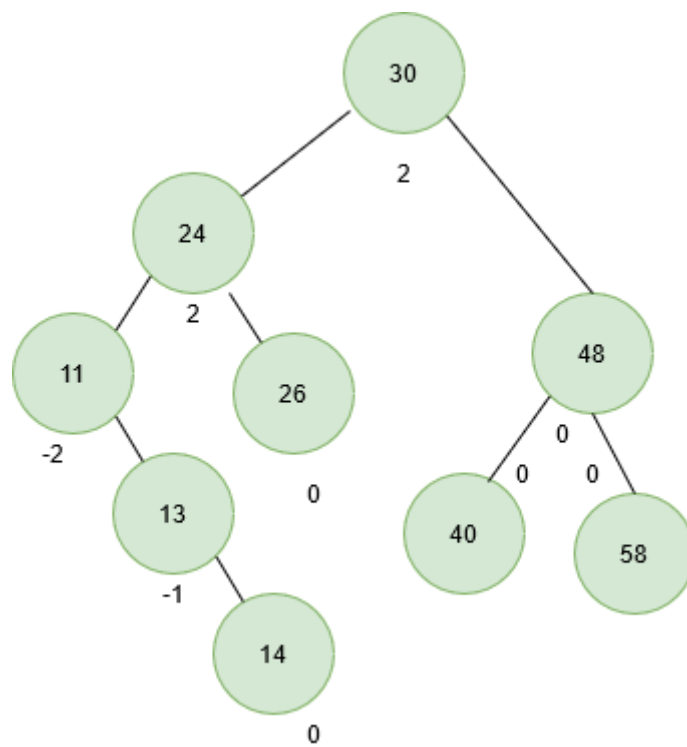
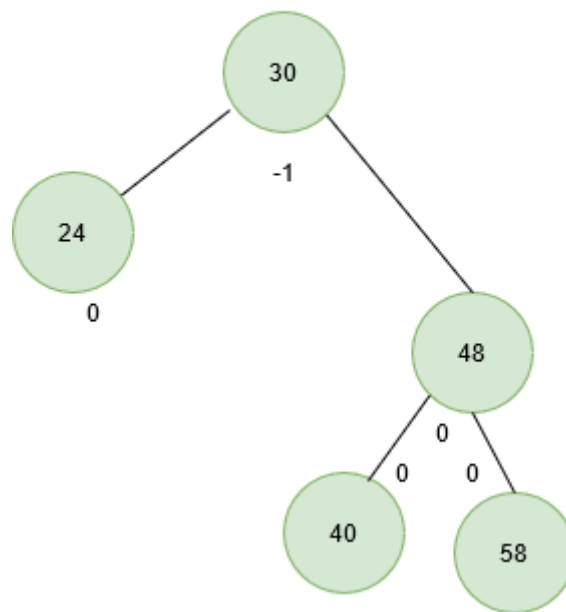
Rotação - RDE

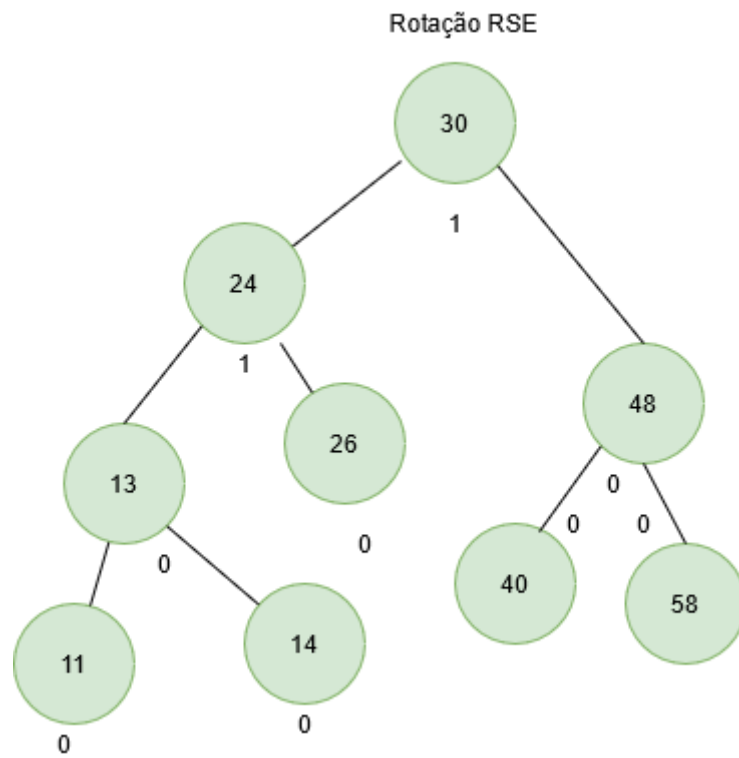
1ª fase : Rotação RSD



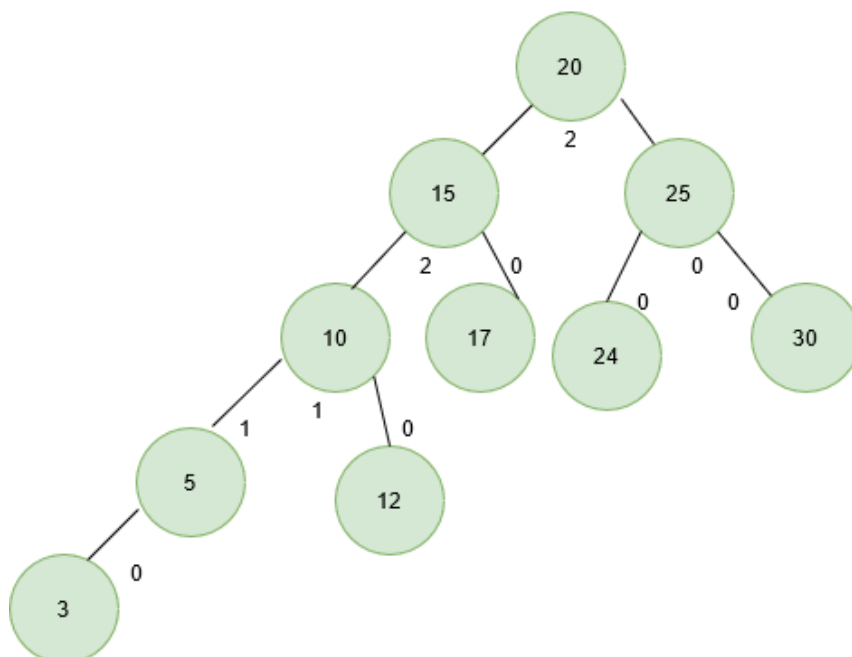
Rotação - RDE

2º fase : Rotação RSE

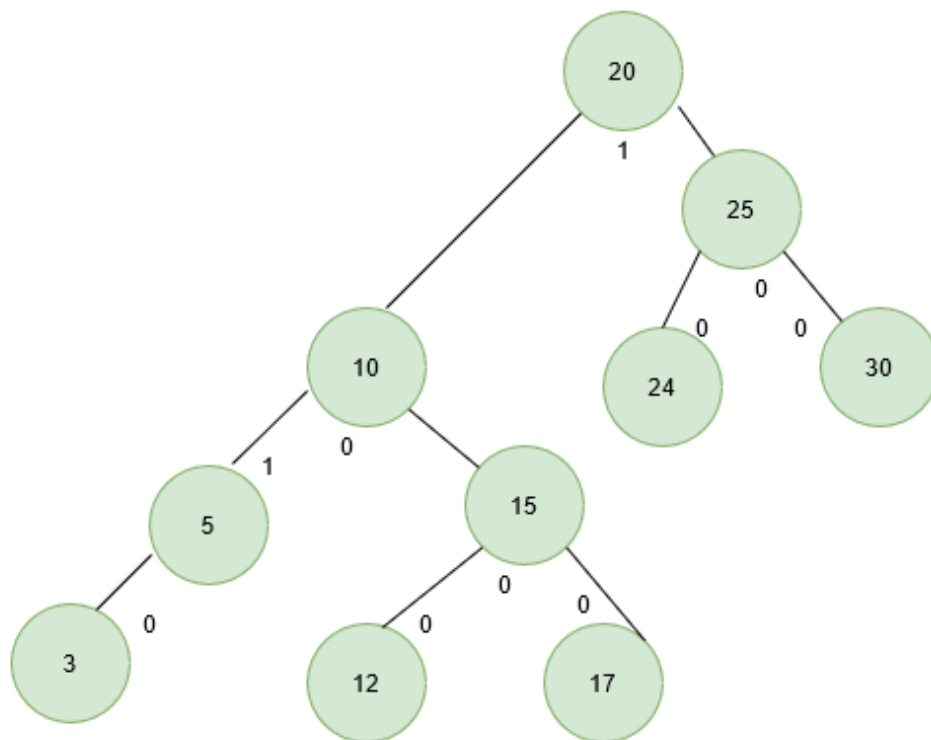




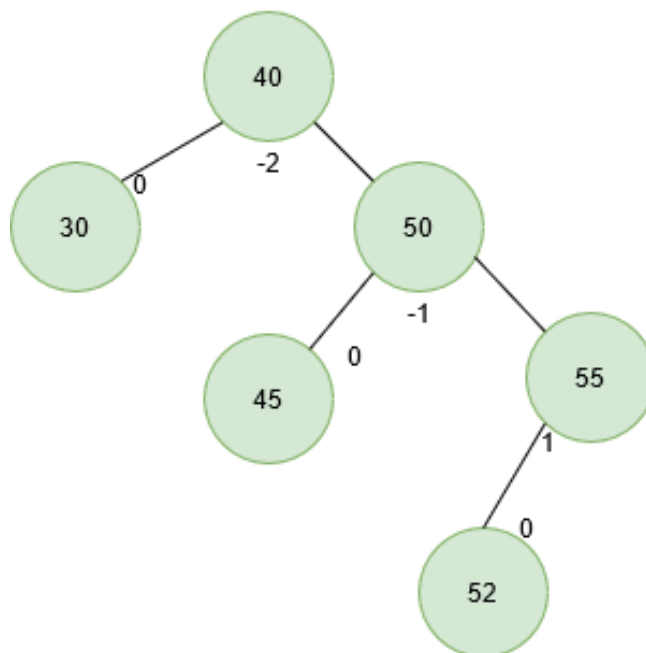
b) 20, 15, 25, 10, 30, 24, 17, 12, 5, 3



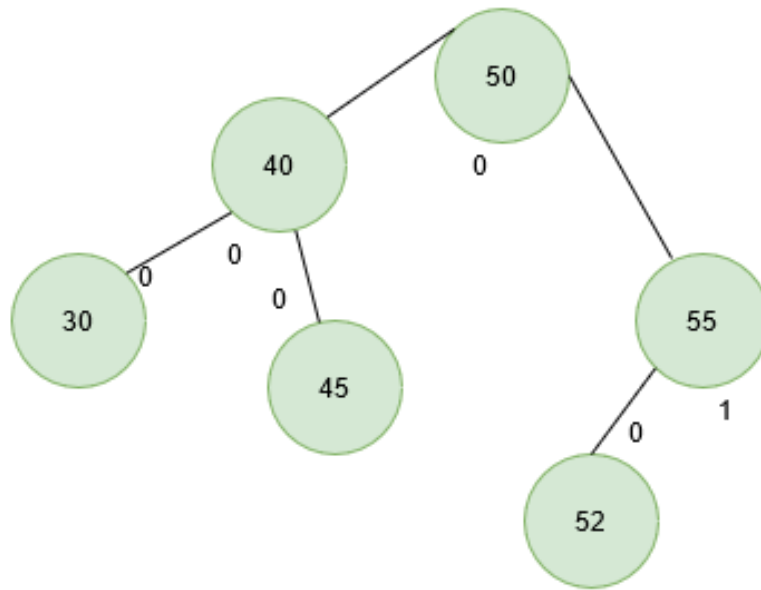
Rotação - RSD



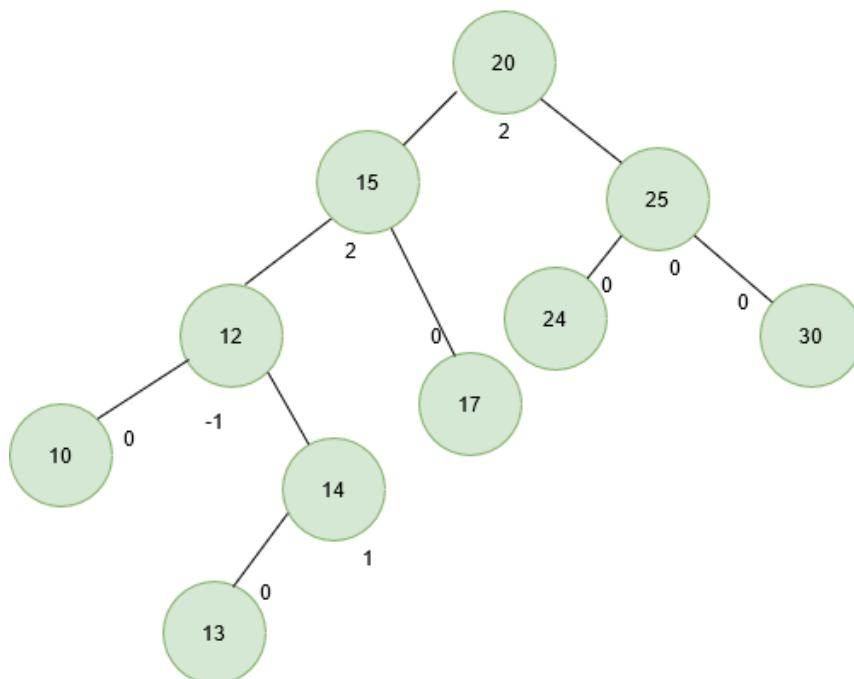
c) 40, 30, 50, 45, 55, 52



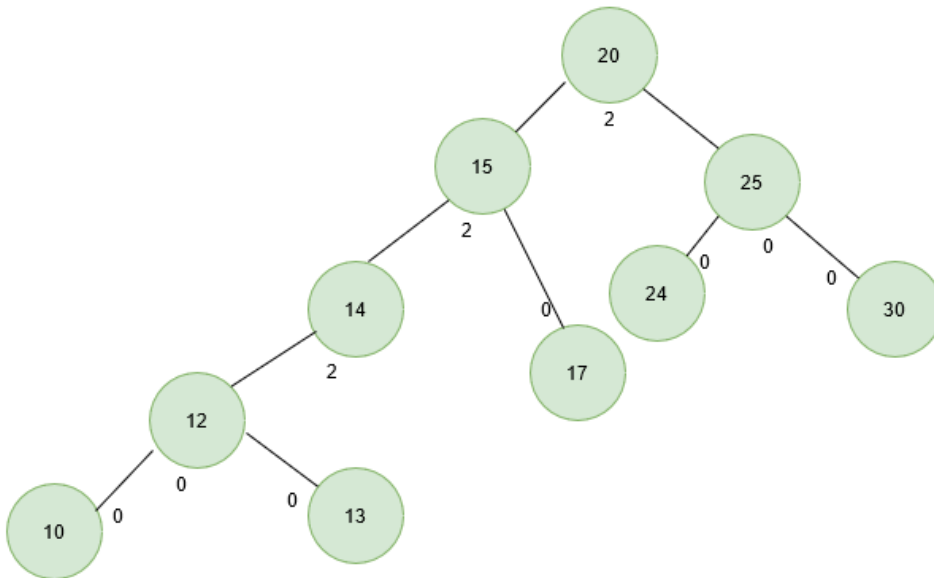
Rotação - RSE



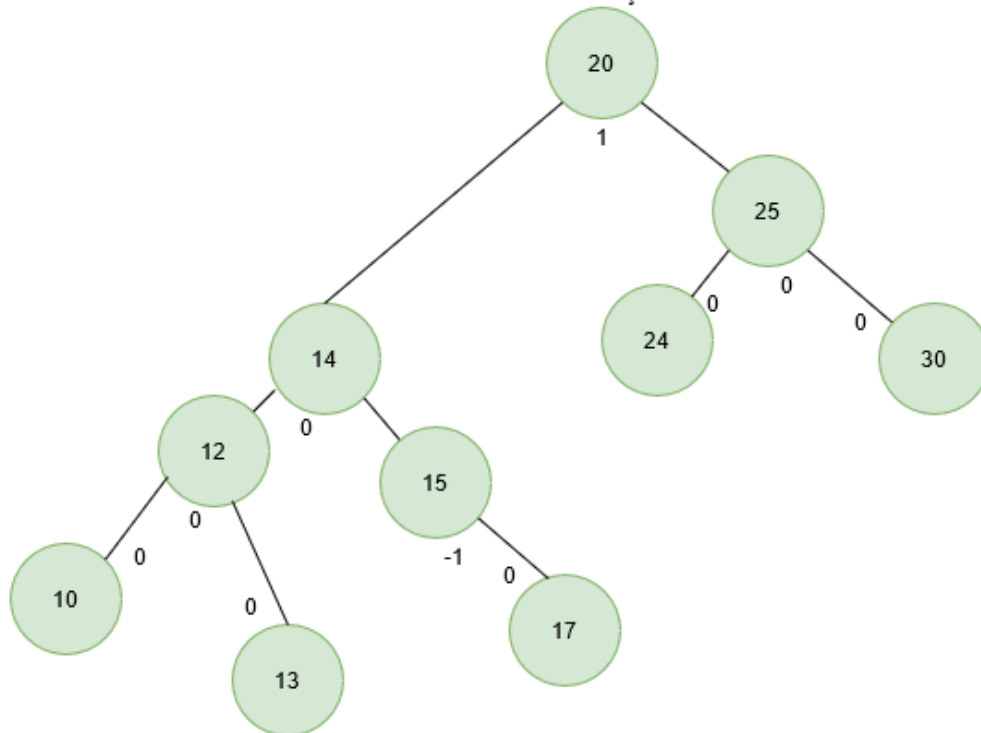
d) 20, 15, 25, 12, 17, 24, 30, 10, 14, 13



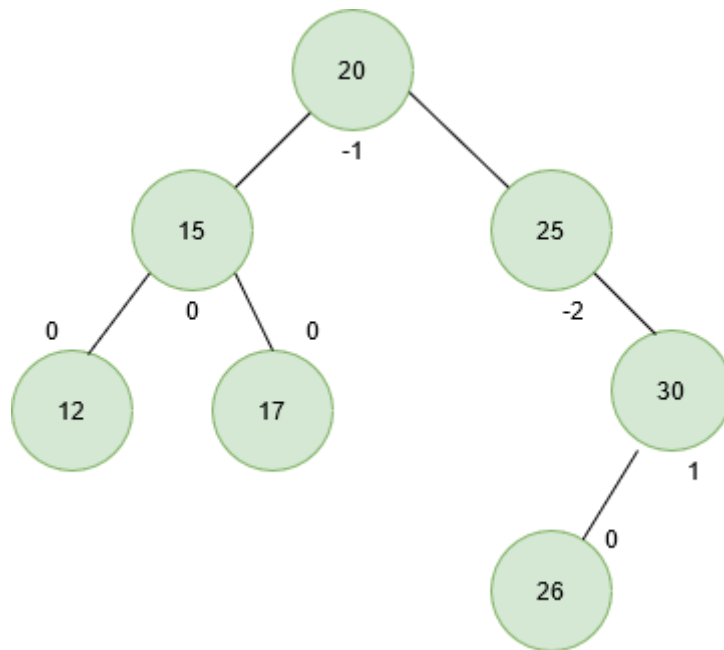
Rotação RDD
1ª fase: Rotação RSE



Rotação RDD
2ª fase: Rotação RSD

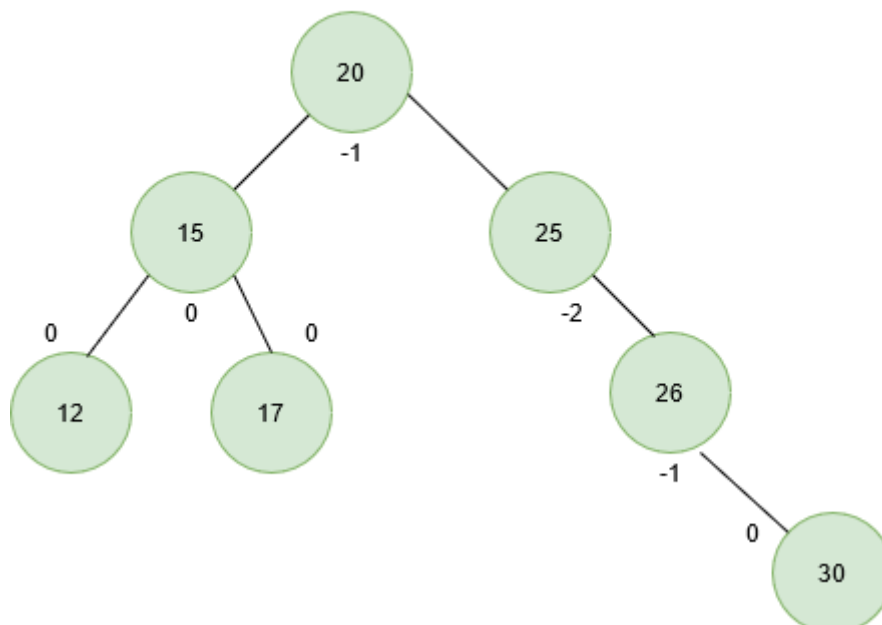


e) 20, 15, 25, 12, 17, 30, 26



Rotação RDE

1ª fase: RSD



Rotação RDE

2º fase: RSE

