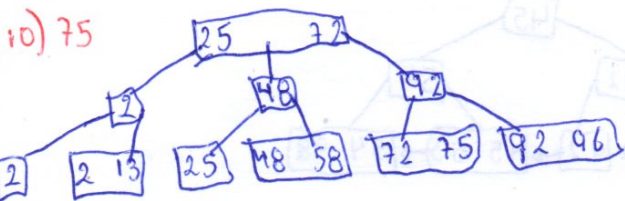
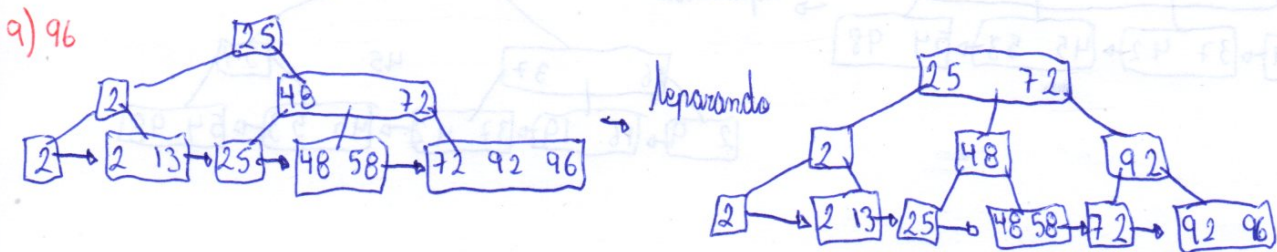
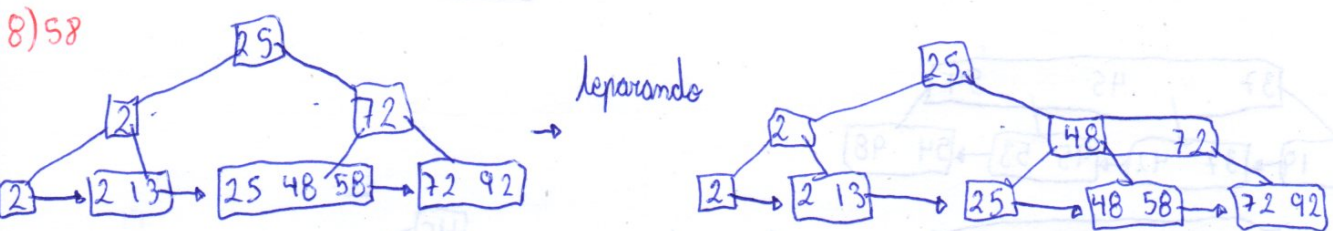
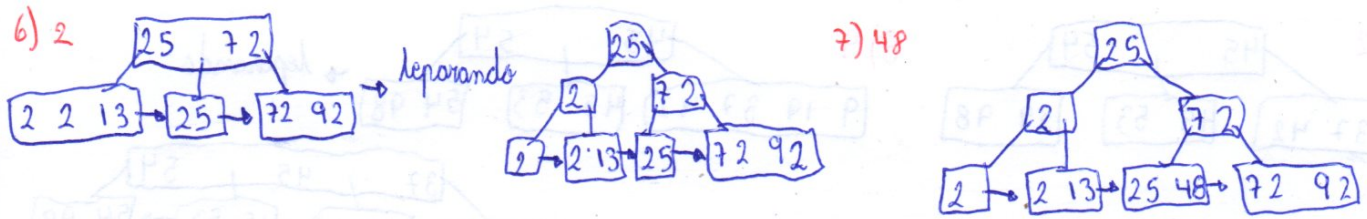
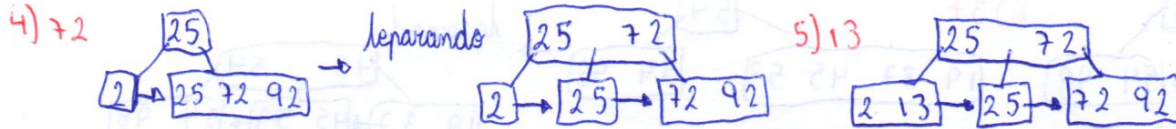
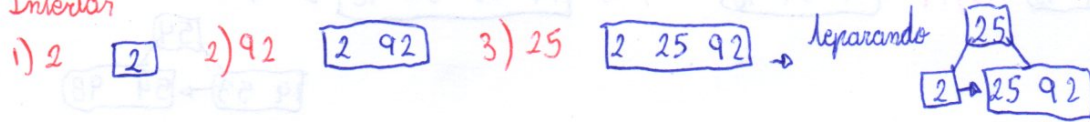


1. Arbol B+ (Grado 3)

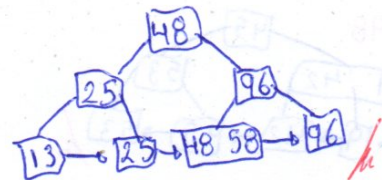
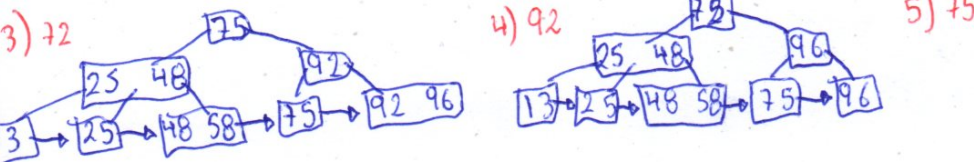
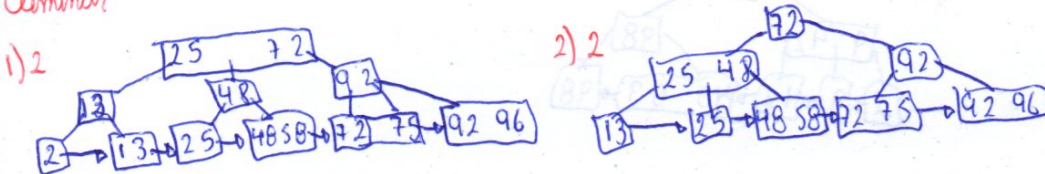
Insertar: 2, 92, 25, 72, 13, 2, 48, 58, 96, 75

Eliminar: 2, 2, 72, 92, 75

Insertar



Eliminar



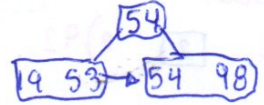
2 Arbol B+ (Grado 4)

Inserción: 54, 98, 19, 53, 45, 37, 42, 9, 16, 2

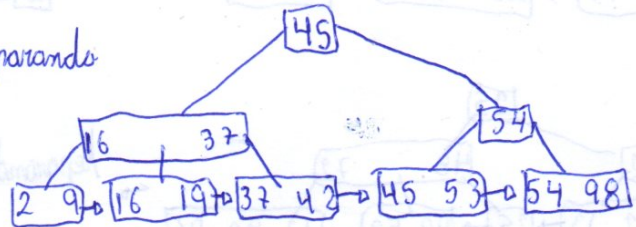
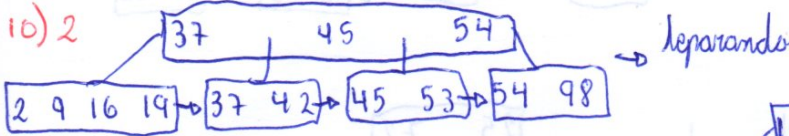
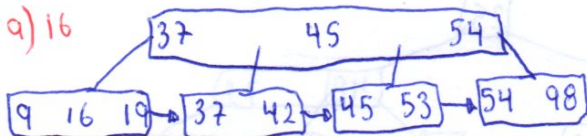
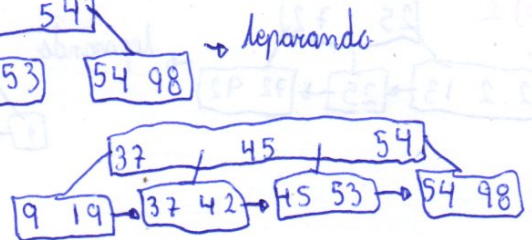
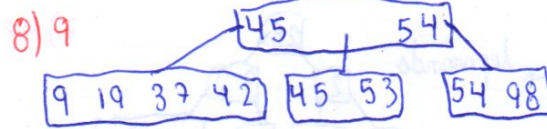
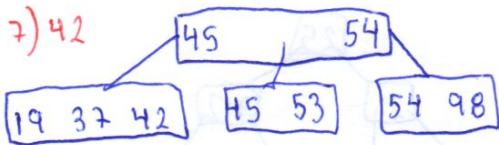
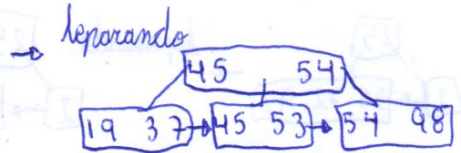
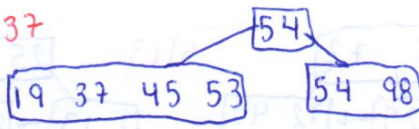
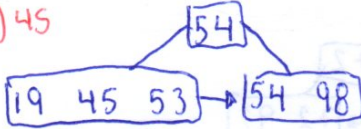
Eliminación: 19, 37, 16, 54, 98

Inserción

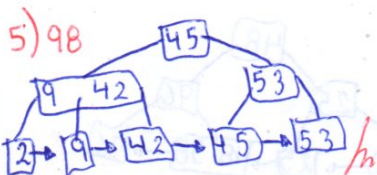
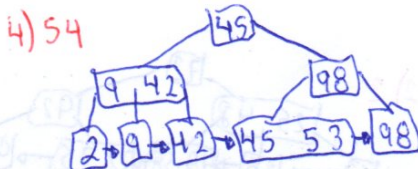
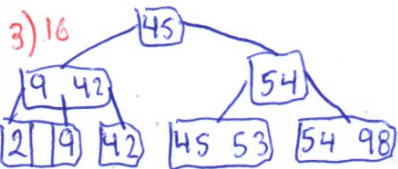
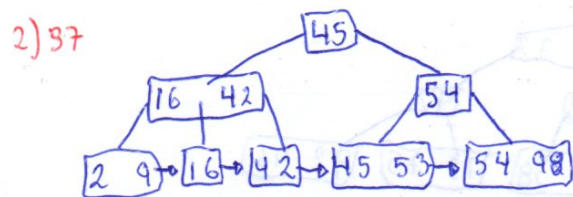
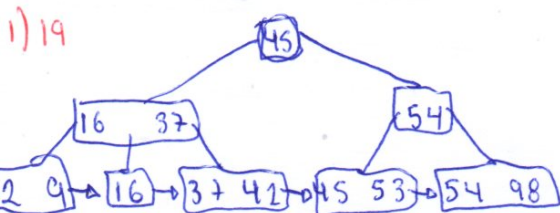
1) 54 [54] 2) 98 [54 98] 3) 19 [19 54 98] 4) 53 [19 53 54 98] → reparando



5) 45 6) 37



Eliminación



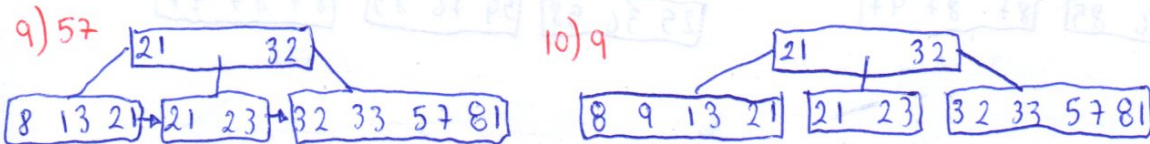
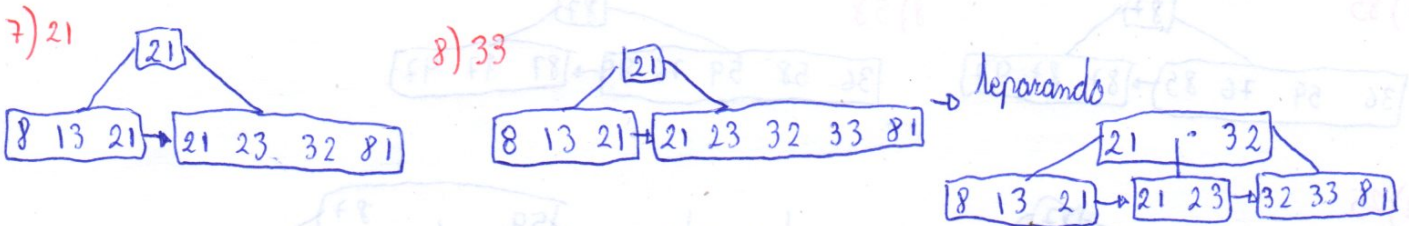
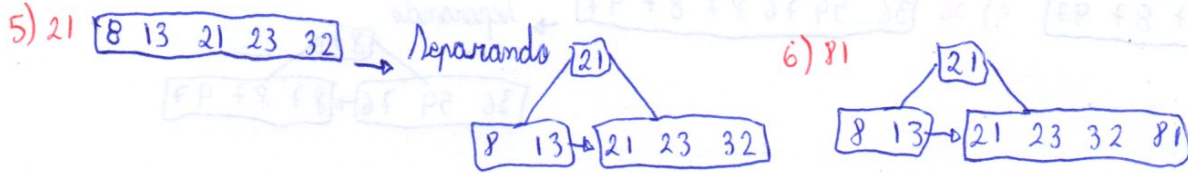
3. Arbol B+ (Grado 5)

Inserción: 32, 13, 23, 8, 21, 81, 21, 33, 57, 9

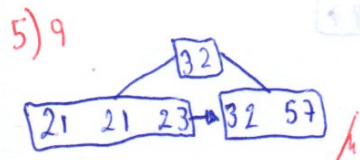
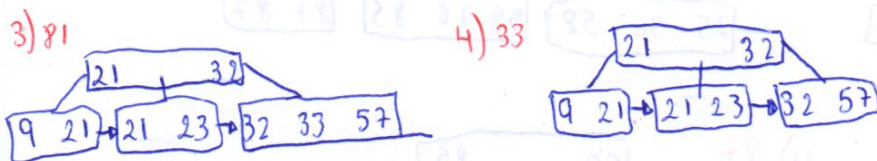
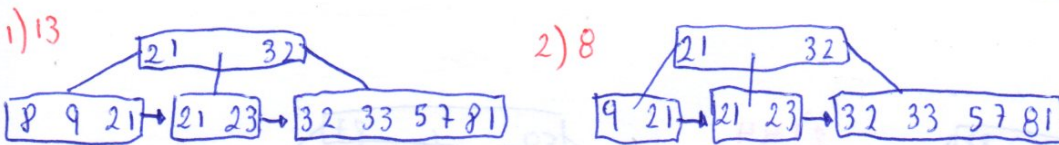
Eliminación: 13, 8, 81, 33, 9

Inserción

1) 32 [32] 2) 13 [13 32] 3) 23 [13 23 32] 4) 8 [8 13 23 32]



Eliminar



4 Arbol B+ (Grado 6)

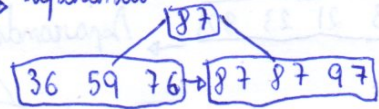
Inserción: 97, 59, 87, 76, 87, 36, 85, 58, 25, 44

Eliminación: 97, 44, 36, 87, 87

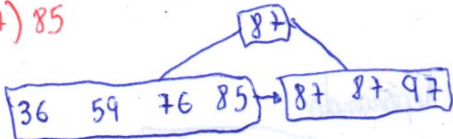
Inserción

1) 97 [97] 2) 59 [59 97] 3) 87 [59 87 97] 4) 76 [59 76 87 97]

5) 87 [59 76 87 87 97] 6) 36 [36 59 76 87 87 97] → reparando



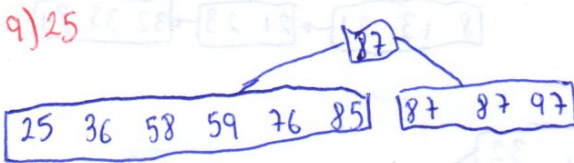
7) 85



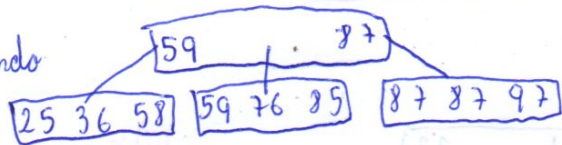
8) 58



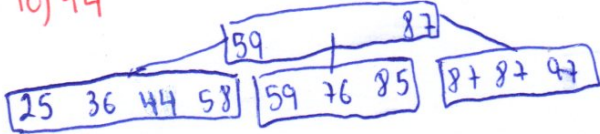
9) 25



→ reparando

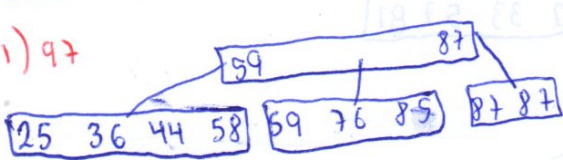


10) 44

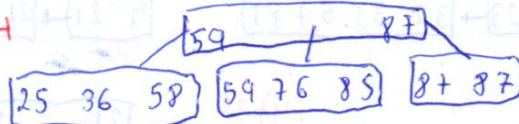


Eliminación

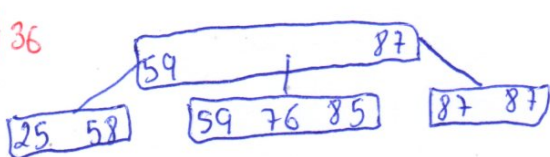
1) 97



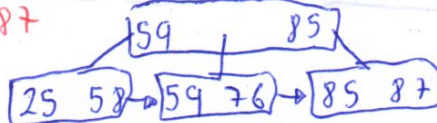
2) 44



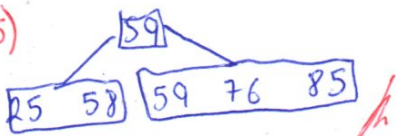
3) 36



4) 87



5)



5 Arbol B+ (Grado 7)

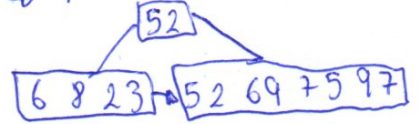
Inserción: 69, 75, 6, 8, 97, 52, 23, 97, 80, 45

Eliminar: 97, 8, 6, 75, 69

Inserción:

1) 69 [69] 2) 75 [69 75] 3) 6 [6 69 75] 4) 8 [6 8 69 75] 5) 97 [6 8 69 75 97]

6) 52 [6 8 52 69 75 97] 7) 23 [6 8 23 52 69 75 97] → *desbalanceado*



8) 97 [52] [6 8 23] [52 69 75 97 97]

9) 80 [52] [6 8 23] [52 69 75 80 97 97]

10) 45 [52] [6 8 23 45] [52 69 75 80 97 97]

Eliminar:

1) 97 [52] [6 8 23 45] [52 69 75 80 97]

2) 8 [52] [6 23 45] [52 69 75 80 97]

3) 6 [69] [23 45 52] [69 75 80 97]

4) 75 [69] [23 45 52] [69 80 97]

5) 69 [23 45 52 80 97]