

Ejercicio 1
Grado 3 (B)

I: 23, 75, 36, 43, 75, 74, 99, 12, 99, 98

B: 99, 36, 75, 75, 23

Invertir

1) 23

23

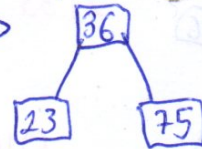
2) 75

23 75

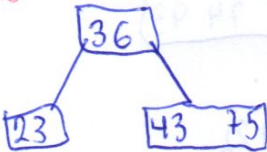
3) 36

23 36 75

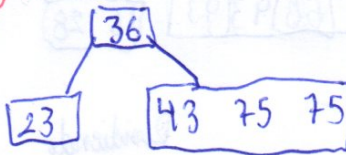
→ reparando



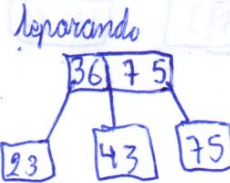
4) 43



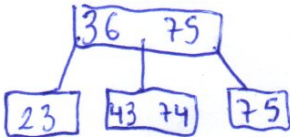
5) 75



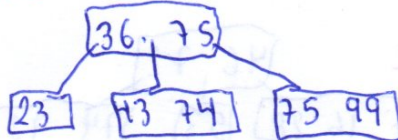
→



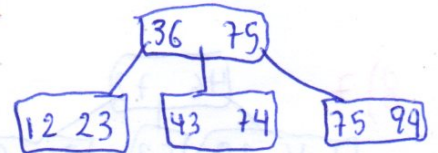
6) 74



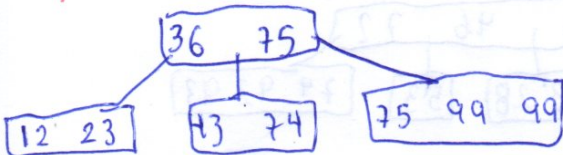
7) 99



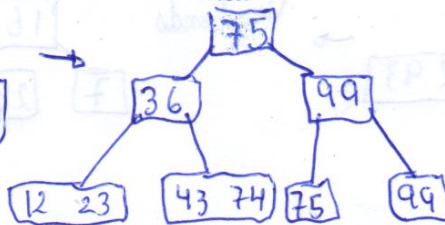
8) 12



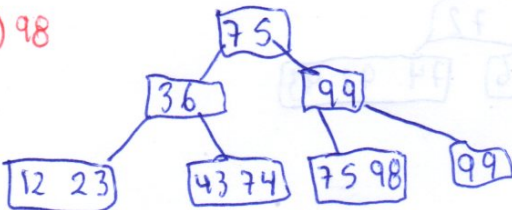
9) 99



Dividiendo

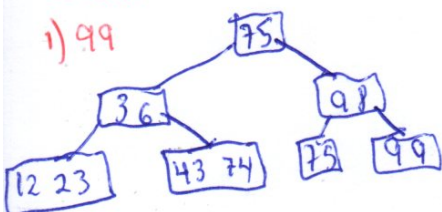


10) 98

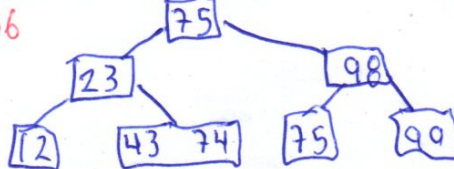


Borrar

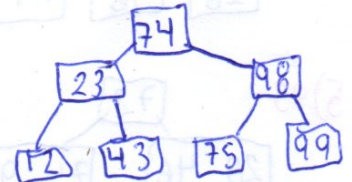
1) 99



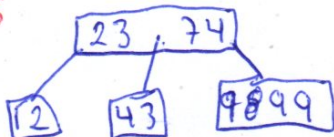
2) 36



3) 75



4) 75



5) 23

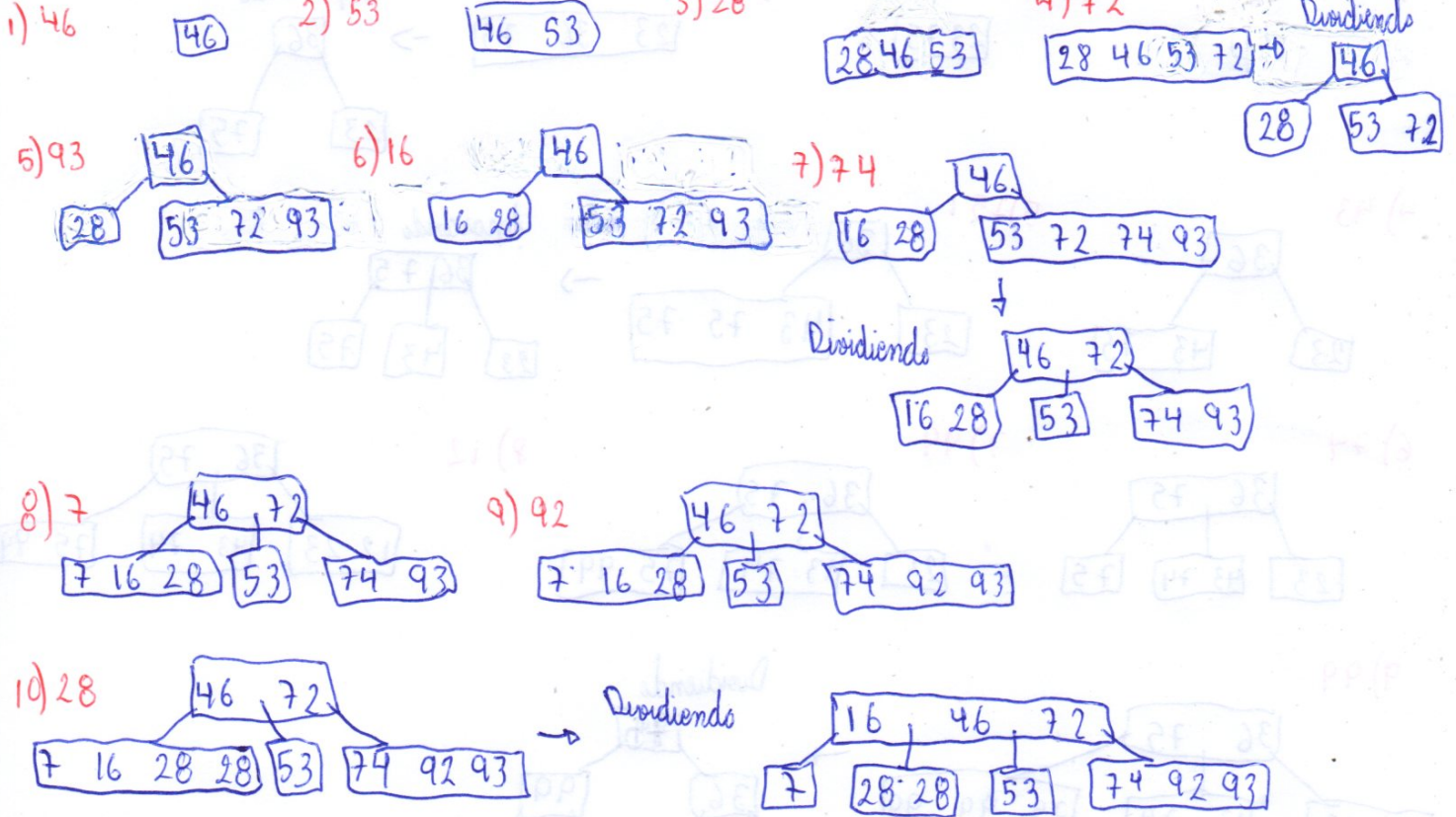


Ejercicio 2
Grado 4 (B)

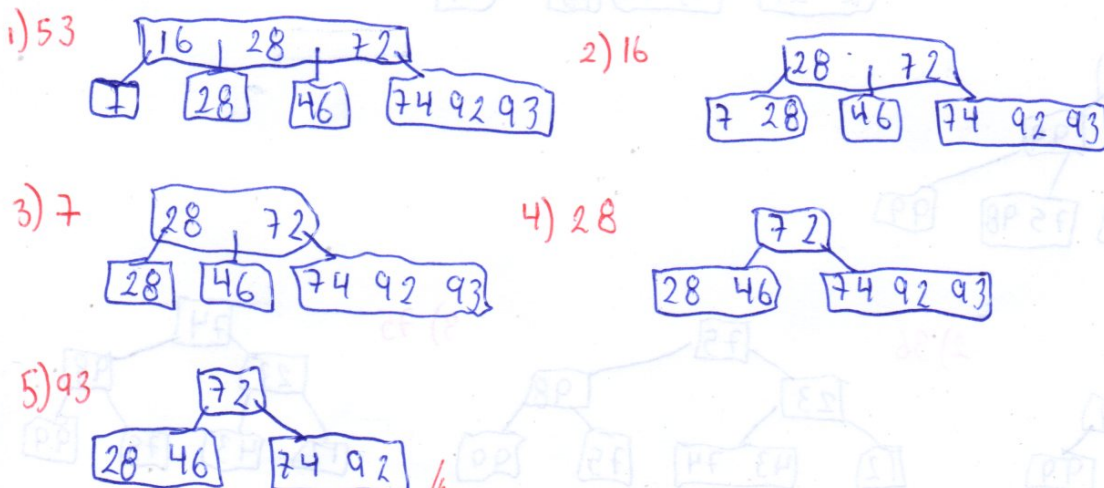
I: 46, 53, 28, 72, 93, 16, 74, 7, 92, 28

D: 53, 16, 7, 28, 93

Insertar



Borrar



Ejercicio 3

Grado 5 (0)

I: 53, 87, 58, 79, 34, 29, 9, 10, 40, 8

B: 87, 79, 34, 9, 8

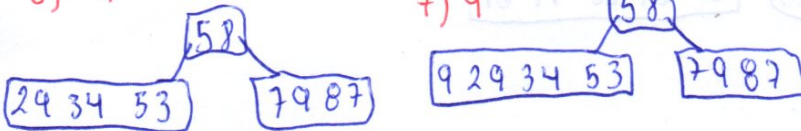
Insertar

1) 53 [53] 2) 87 [53 87] 3) 58 [53 58 87] 4) 79 [53 58 79 87]

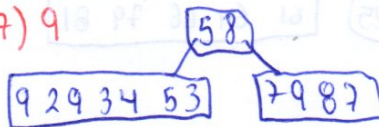
5) 34



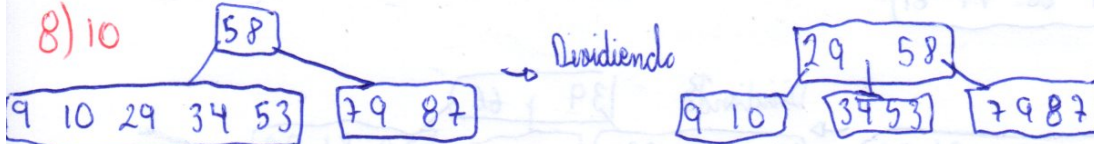
6) 29



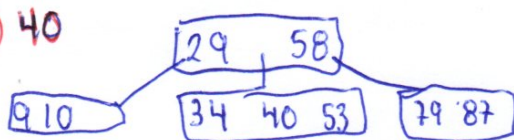
7) 9



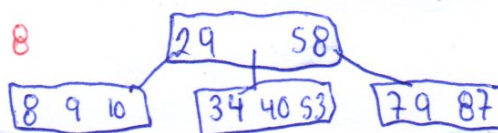
8) 10



9) 40



10) 8

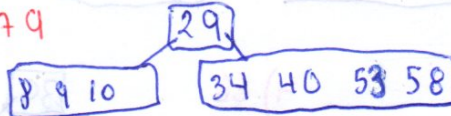


Borrar

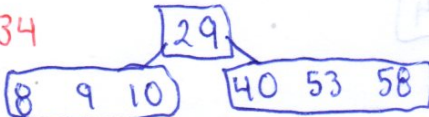
1) 87



2) 79



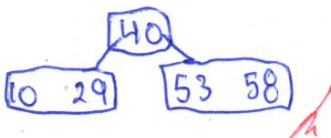
3) 34



4) 9



5) 8



Ejercicio 4

Grado 6 (B)

I: 66, 61, 81, 39, 25, 18, 79, 64, 39, 92

B: 79, 81, 92, 66, 61

Insertar

1) 66 [66] 2) 61 [61 66] 3) 81 [61 66 81] 4) 39 [39 61 66 81]

5) 25 [25 39 61 66 81] 6) 18 [18 25 39 61 66 81] Dividiendo [39] [18 25] [61 66 81]

7) 79 [39] [18 25] [61 66 79 81] 8) 64 [39] [18 25] [61 64 66 79 81]

9) 39 [39] [18 25 39] [61 64 66 79 81]

10) 92 [39] [18 25 39] [61 64 66 79 81 92] Dividiendo [39] [66] [18 25 39] [61 64] [79 81 92]

Eliminar

1) 79 [39] [66] [18 25 39] [61 64] [81 92] 2) 81 [39] [18 25 39] [61 64 66 92]

3) 92 [39] [18 25 39] [61 64 66] 4) 66 [39] [18 25 39] [61 64]

5) 61 [39] [18 25] [39 64]

Ejercicio 5
Grado 7 (B)

I: 52, 26, 99, 33, 28, 42, 47, 35, 41, 50

B: 26, 33, 42, 41, 50

Insertar

1) 52 [52] 2) 26 [26 52] 3) 99 [26 52 99] 4) 33 [26 33 52 99]

5) 28 [26 28 33 52 99] 6) 42 [26 28 33 42 52 99]

7) 47

[26 28 33 42 47 52 99]

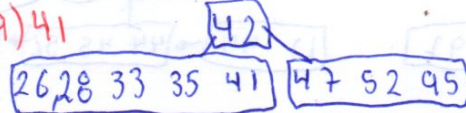
Dividiendo



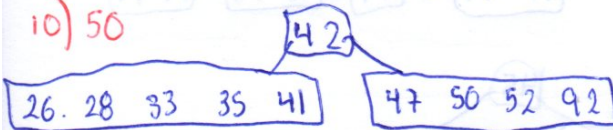
8) 35



9) 41



10) 50

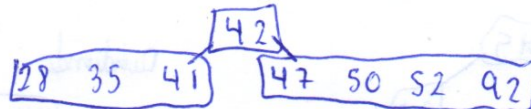


Recur

1) 26



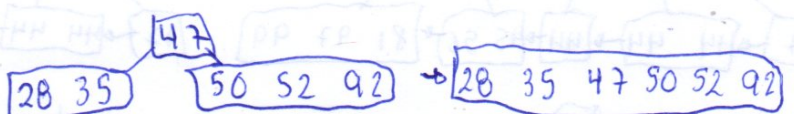
2) 33



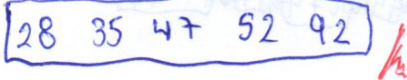
3) 42



4) 41



5) 50



Ejercicio 6

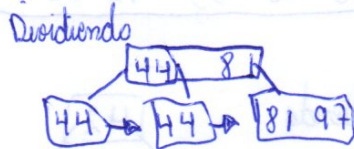
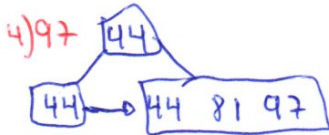
Grado 3 (BT)

I: 81, 44, 44, 97, 17, 56, 45, 44, 99, 74

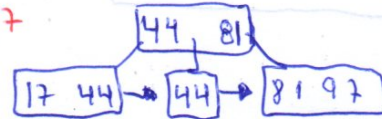
B: 81, 44, 17, 45, 44

Inserión

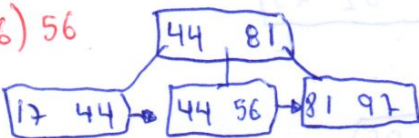
1) 81 2) 44 3) 44



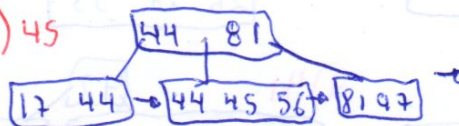
5) 17



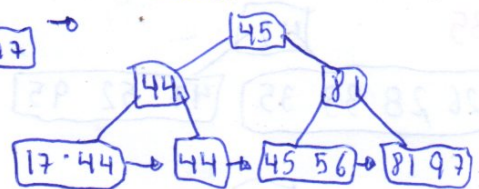
6) 56



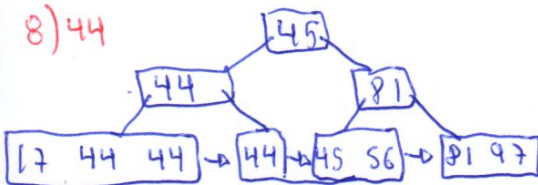
7) 45



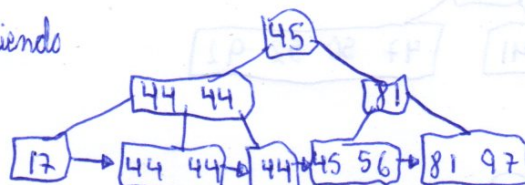
Dividiendo



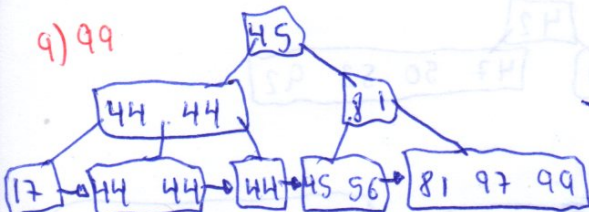
8) 44



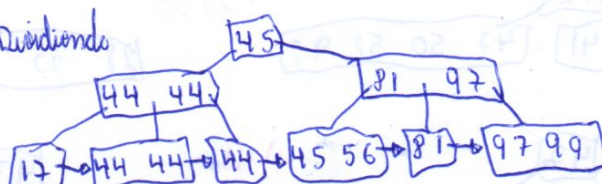
Dividiendo



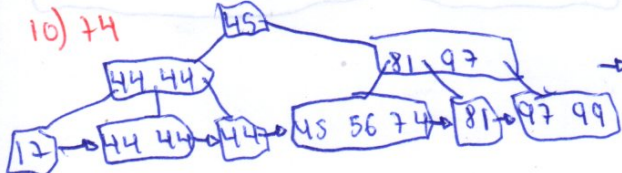
9) 99



Dividiendo



10) 74

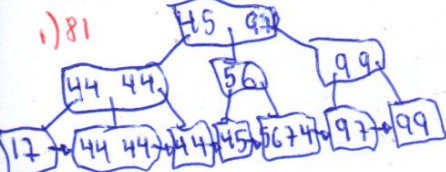


Dividiendo

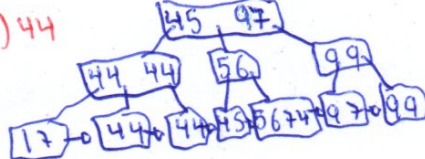


Borrar

1) 81



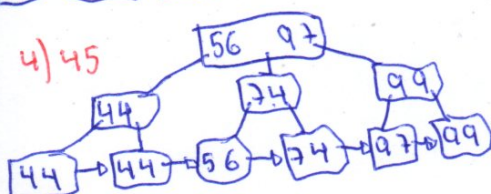
2) 44



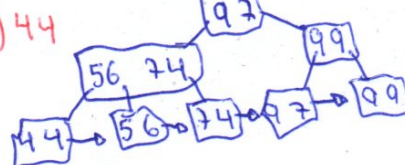
3) 17



4) 45



5) 44

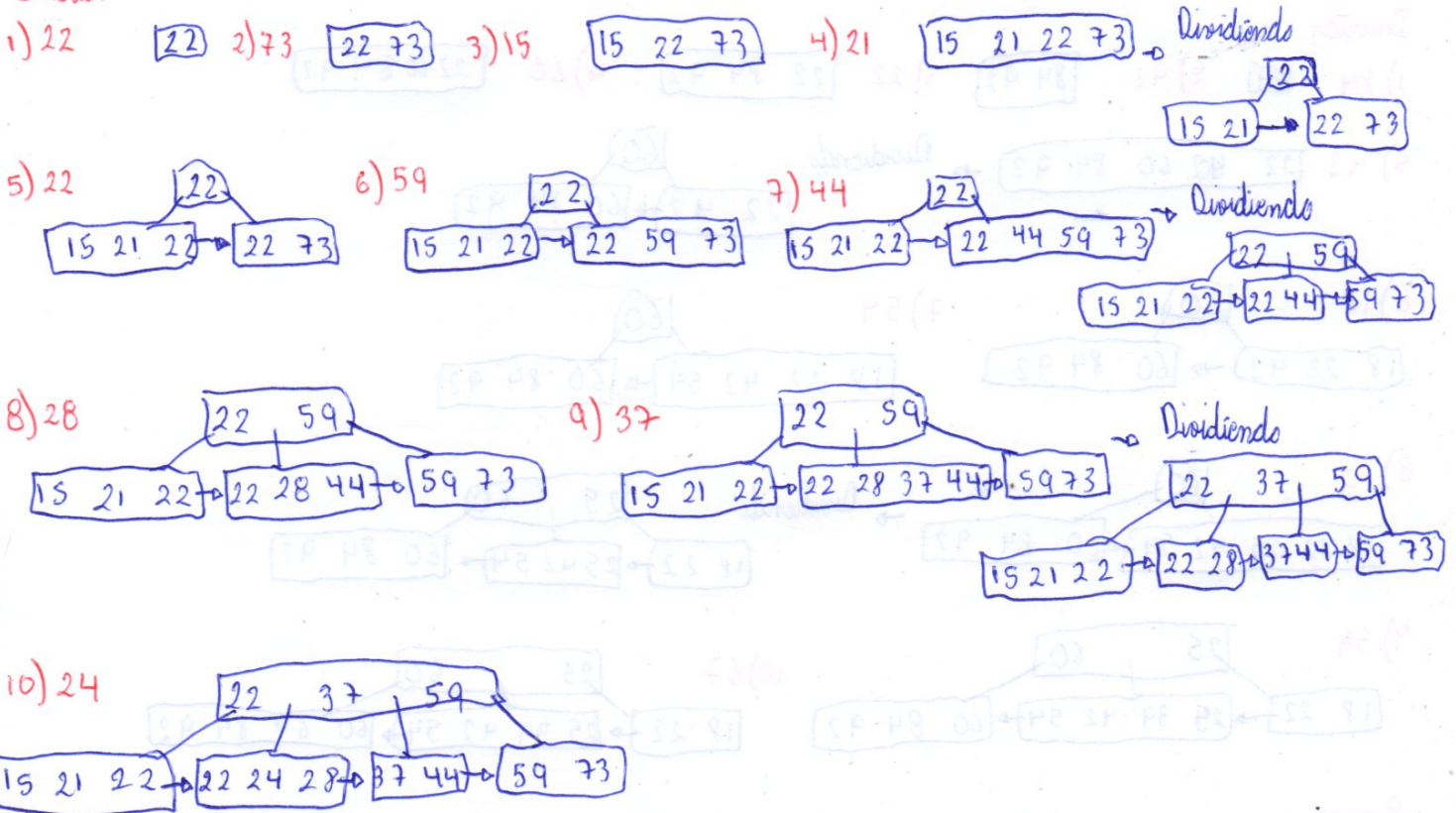


Ejercicio 7
Grado 4 (B+)

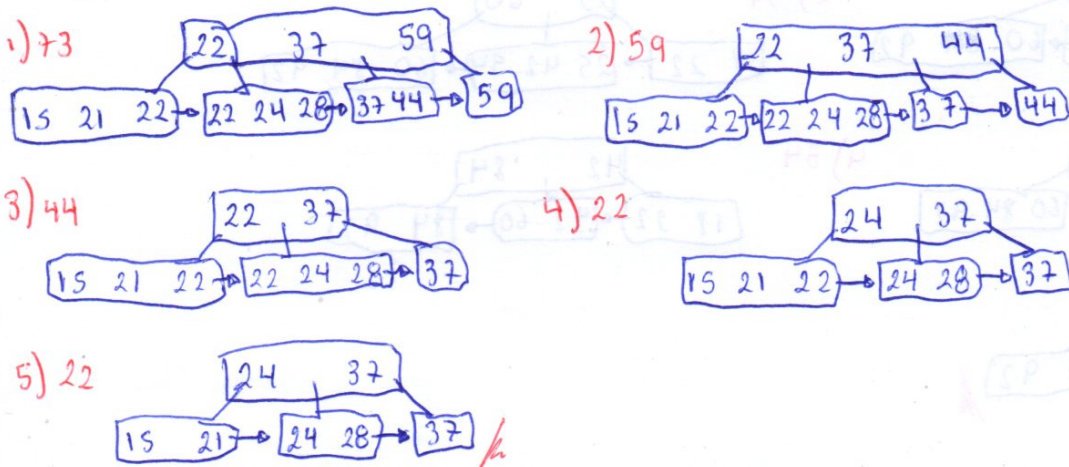
I: 22, 73, 15, 21, 22, 59, 44, 28, 37, 24

B: 73, 59, 44, 22, 22

Inserión



Borrón



Ejercicio 8
Grado 5 (B+)

I: 84, 92, 22, 60, 42, 18, 54, 25, 39, 67

B: 67, 39, 25, 54, 18

Inserción

1) 84 [84] 2) 92 [84 92] 3) 22 [22 84 92] 4) 60 [22 60 84 92]

5) 42 [22 42 60 84 92] → Dividiendo

```

    60
   /  \
  22  42 60 84 92
  
```

6) 18 [18 22 42] → [60 84 92]

```

    60
   /  \
  18  22 42 60 84 92
  
```

7) 54 [18 22 42 54] → [60 84 92]

```

    60
   /  \
  18  22 42 54 60 84 92
  
```

8) 25 [18 22 25 42 54] → [60 84 92]

```

    60
   /  \
  18  22 25 42 54 60 84 92
  
```

→ Dividiendo

```

    25  60
   /  \ /  \
  18  22 25 42 54 60 84 92
  
```

9) 39 [18 22] → [25 39 42 54] → [60 84 92]

```

    25  60
   /  \ /  \
  18  22 25 39 42 54 60 84 92
  
```

10) 67 [18 22] → [25 39 42 54] → [60 67 84 92]

```

    25  60
   /  \ /  \
  18  22 25 39 42 54 60 67 84 92
  
```

Removal

1) 67 [18 22] → [25 39 42 54] → [60 84 92]

```

    25  60
   /  \ /  \
  18  22 25 39 42 54 60 84 92
  
```

2) 39 [18 22] → [25 42 54] → [60 84 92]

```

    25  60
   /  \ /  \
  18  22 25 42 54 60 84 92
  
```

3) 25 [18 22] → [42 54] → [60 84 92]

```

    42  60
   /  \ /  \
  18  22 42 54 60 84 92
  
```

4) 54 [18 22] → [42 60] → [84 92]

```

    42  84
   /  \ /  \
  18  22 42 60 84 92
  
```

5) 18 [22 42 60] → [84 92]

```

    84
   /  \
  22  42 60 84 92
  
```


Ejercicio 9

Grado 6 (B+)

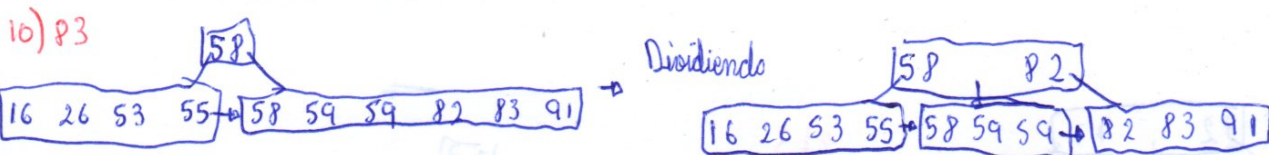
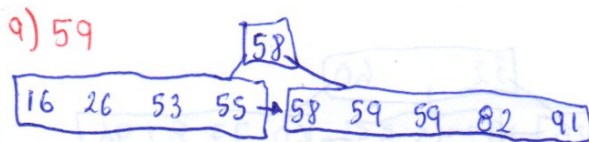
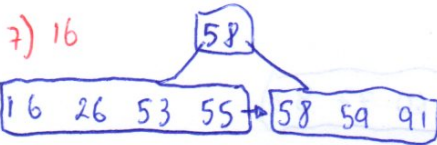
I: 55, 53, 58, 91, 26, 59, 16, 82, 59, 83

B: 55, 91, 59, 82, 83

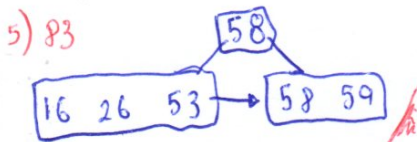
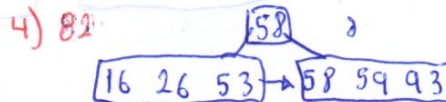
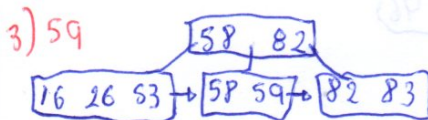
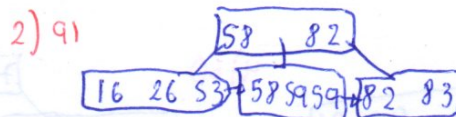
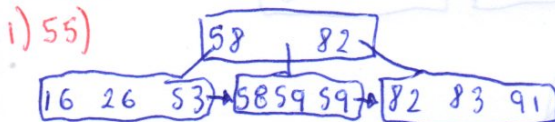
Insertar

1) 55 [55] 2) 53 [53 55] 3) 58 [53 55 58] 4) 91 [53 55 58 91]

5) 26 [26 53 55 58 91] 6) 59 [26 53 55 58 59 91] Dividiendo



Remover



Ejercicio 10

Grado 7 (B+)

I: 3, 25, 32, 45, 10, 55, 60, 77, 82, 96

B: 45, 3, 10, 60, 82

Inertar:

1) 3 2) 25 3) 32 4) 45 5) 10

6) 55 7) 60 8) 77 9) 82

10) 96

11) 45 12) 3 13) 10 14) 60 15) 82

Borrar

16) 3 17) 10 18) 60 19) 82

20) 96

21) 45 22) 3 23) 10 24) 60 25) 82