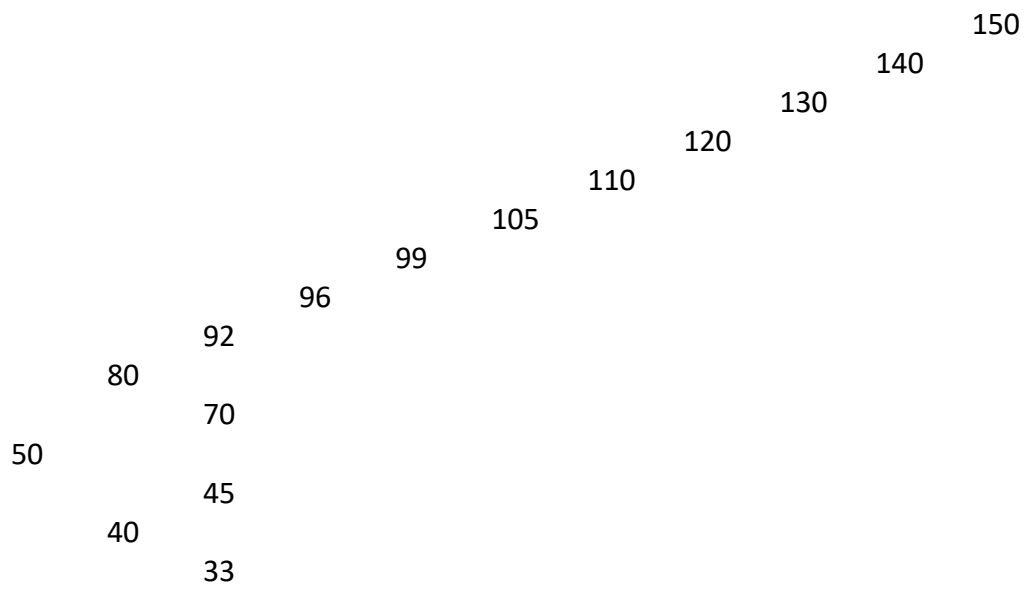


num is 15  
ht is 10



---

>>>>>>> Start level: 0

##### Start partitioning at root 50

[50](i(7)>m(3)): (i-m-1)=3 , plvl=0

[80](i(3)>m(1)): (i-m-1)=1 , plvl=1

[92](i(1)>m(0)): (i-m-1)=0 , plvl=2

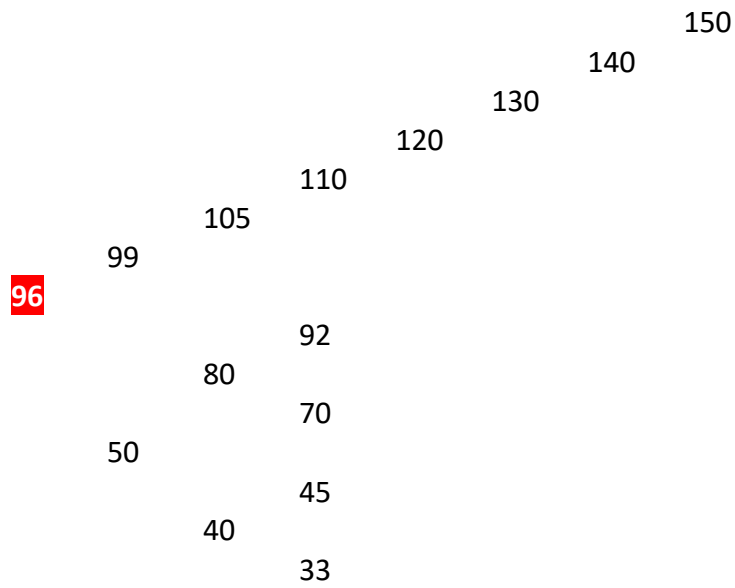
[96](i(0)==m(0)): plvl=3

rotateLeft at 92

rotateLeft at 80

rotateLeft at 50

##### After partitioning at root 50



+++++++ Start rebalance at root 50

>>>>>>> Start level: 1

##### Start partitioning at root 50

[50](i(3)==m(3)): plvl=0

##### After partitioning at root 50

```

      92
    80
  50  70
    45
    40
      33

```

+++++++ Start rebalance at root 40

>>>>>>> Start level: 2

##### Start partitioning at root 40

[40](i(1)==m(1)): plvl=0

##### After partitioning at root 40

```

    45
  40
    33

```

+++++++ Start rebalance at root 33

>>>>>>> Start level: 3

n < 3

>>>>>>> End level: 3

+++++++ End rebalance at root 33

+++++++ Start rebalance at root 45

>>>>>>> Start level: 3

n < 3

>>>>>>> End level: 3

+++++++ End rebalance at root 45

>>>>>>> End level: 2

+++++++ End rebalance at root 40

+++++++ Start rebalance at root 80

>>>>>>> Start level: 2

##### Start partitioning at root 80

[80](i(1)==m(1)): plvl=0

##### After partitioning at root 80

```

    92
  80
    70

```

+++++++ Start rebalance at root 70

>>>>>>> Start level: 3

n < 3

>>>>>>> End level: 3

+++++++ End rebalance at root 70

+++++++ Start rebalance at root 92

>>>>>>> Start level: 3

n < 3

>>>>>>> End level: 3

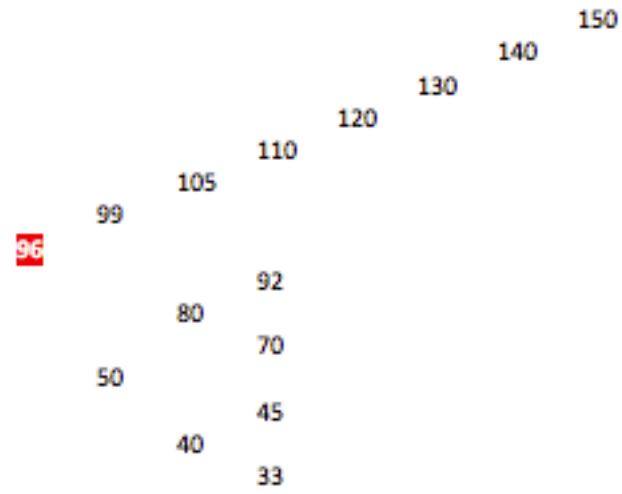
+++++++ End rebalance at root 92

>>>>>>> End level: 2

+++++++ End rebalance at root 80

>>>>>>> End level: 1

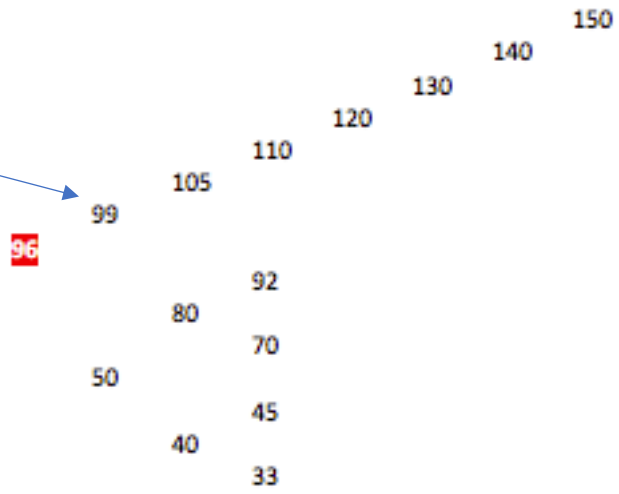
+++++++ End rebalance at root 50



```

+++++++ Start rebalance at root 99
>>>>>>> Start level: 1
##### Start partitioning at root 99
[99](i(3)>m(0)): (i-m-1)=2 , plvl=0
 [105](i(2)>m(0)): (i-m-1)=1 , plvl=1
  [110](i(1)>m(0)): (i-m-1)=0 , plvl=2
   [120](i(0)==m(0)): plvl=3
rotateLeft at 110
rotateLeft at 105
rotateLeft at 99
##### After partitioning at root 99

```



```

      150
     140
    130
   120
  110
 105
 99

```

```

+++++++ Start rebalance at root 99
>>>>>>> Start level: 2
##### Start partitioning at root 99
[99](i(1)>m(0)): (i-m-1)=0 , plvl=0
 [105](i(0)==m(0)): plvl=1
rotateLeft at 99
##### After partitioning at root 99

```

```

      110
     105
    99

```

```

+++++++ Start rebalance at root 99
>>>>>>> Start level: 3
n < 3
>>>>>>> End level: 3

```

```

+++++++ End rebalance at root 99
+++++++ Start rebalance at root 110
>>>>>>> Start level: 3
n < 3
>>>>>>> End level: 3

```

```

+++++++ End rebalance at root 110
>>>>>>> End level: 2

```

```

+++++++ End rebalance at root 99
+++++++ Start rebalance at root 130
>>>>>>> Start level: 2
##### Start partitioning at root 130
[130](i(1)>m(0)): (i-m-1)=0 , plvl=0
 [140](i(0)==m(0)): plvl=1
rotateLeft at 130
##### After partitioning at root 130

```

```

      150
     140
    130

```

```

+++++++ Start rebalance at root 130
>>>>>>> Start level: 3
n < 3
>>>>>>> End level: 3

```

```

+++++++ End rebalance at root 130
+++++++ Start rebalance at root 150
>>>>>>> Start level: 3
n < 3
>>>>>>> End level: 3

```

```

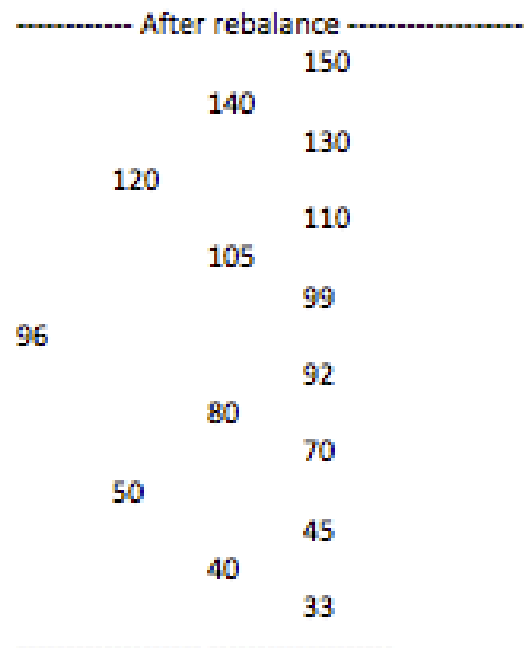
+++++++ End rebalance at root 150
>>>>>>> End level: 2

```

```

+++++++ End rebalance at root 130
>>>>>>> End level: 1
+++++++ End rebalance at root 99
>>>>>>> End level: 0

```



----- After rebalance -----

	150
140	130
120	110
	105
96	99
	92
80	70
50	45
40	33

-----