

Muhammed Yusuf Macit 1704 19029

20 30 8 47 39 18 90 29

1) 20

2) 20
30

3) 20
8 30

4) 20
8 30
47

5) 20
8 30
47
39

Sag-Sol
Eşitsizliği
Sola rotasyon

6) 20
8 30
39
47

Sag-Sag
Eşitsizliği
Sola rotasyon

7) 30
20 39
8 47

8) 30
20 39
8 47
90

9) 30
20 39
8 29
47
90

AVL TREE dengelendi.

20 → 20-30 → 8-20-30 →

20
8 30

20-39
8 30 47

20
8 30-39-47

20
8 30-47

20-39
8-18 30 47

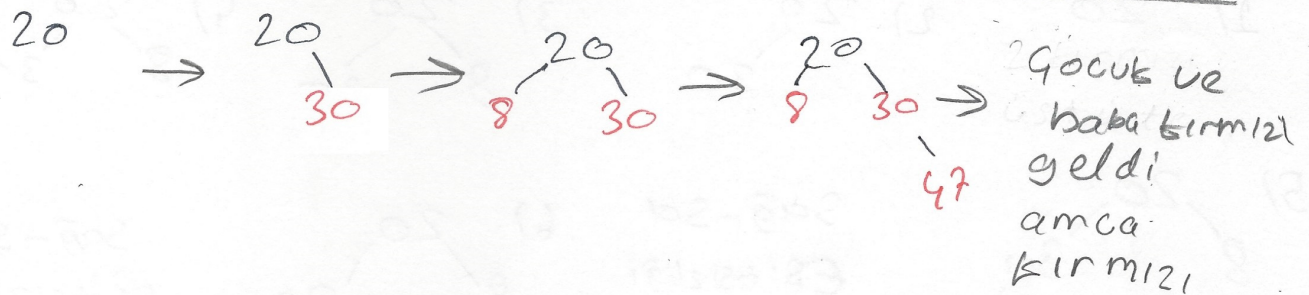
20-39
8-18 30 47-90

20-39
8-18 29-30 47-90

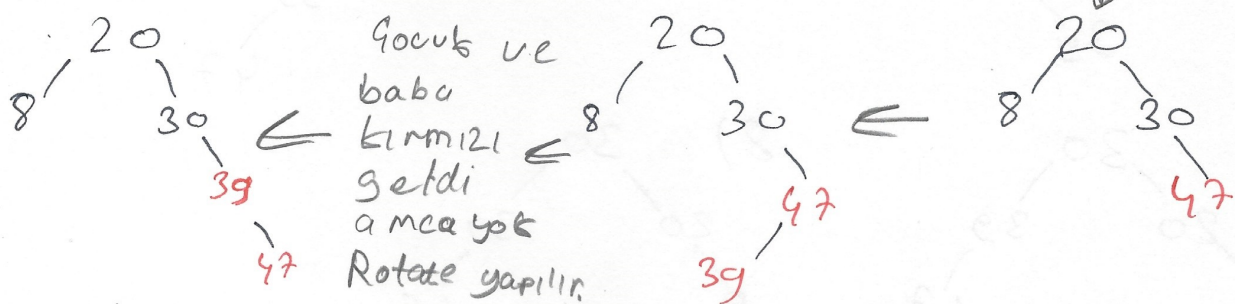
2-3 Tree oluşturuldu.

Muhammed Yusuf Mact 170419029

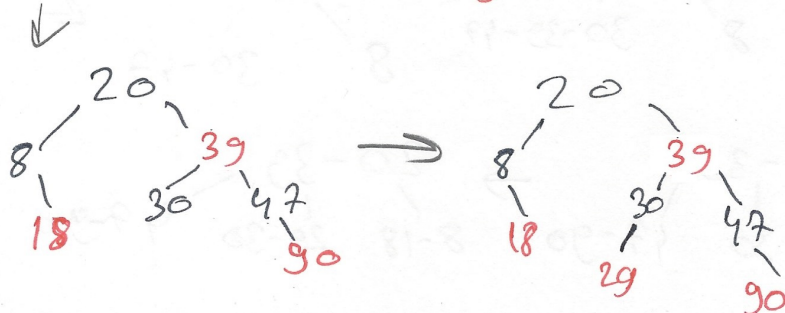
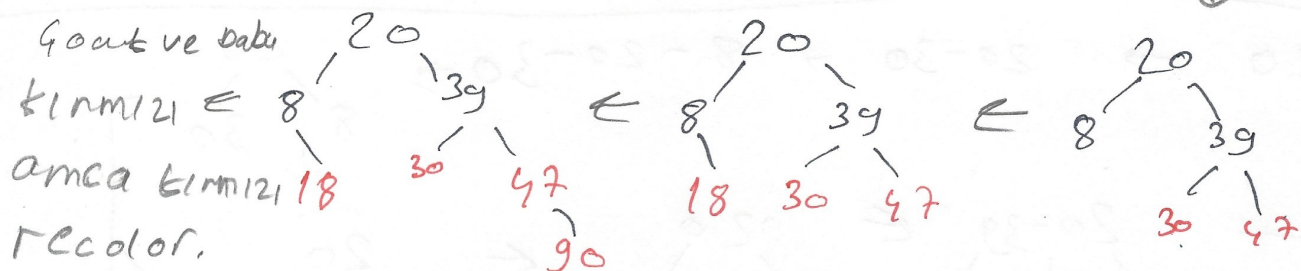
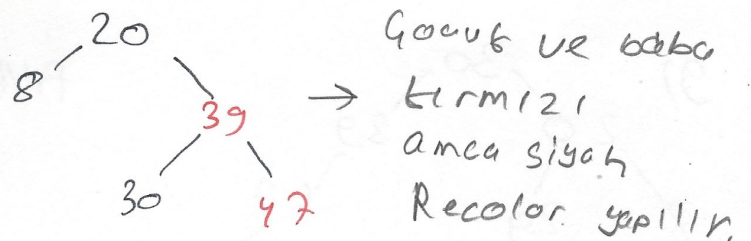
20 30 8 47 39 18 90 29



Recolor yapılır.



Çocuk ve baba kırmızı amca yok → Rotate yapılır.



Red-Black Tree dengelendi.