a. Insert 80, 35, 20, 100, 25, 30, 45, 40, 50, 37

Remove 35, 25, 30, 45, 80

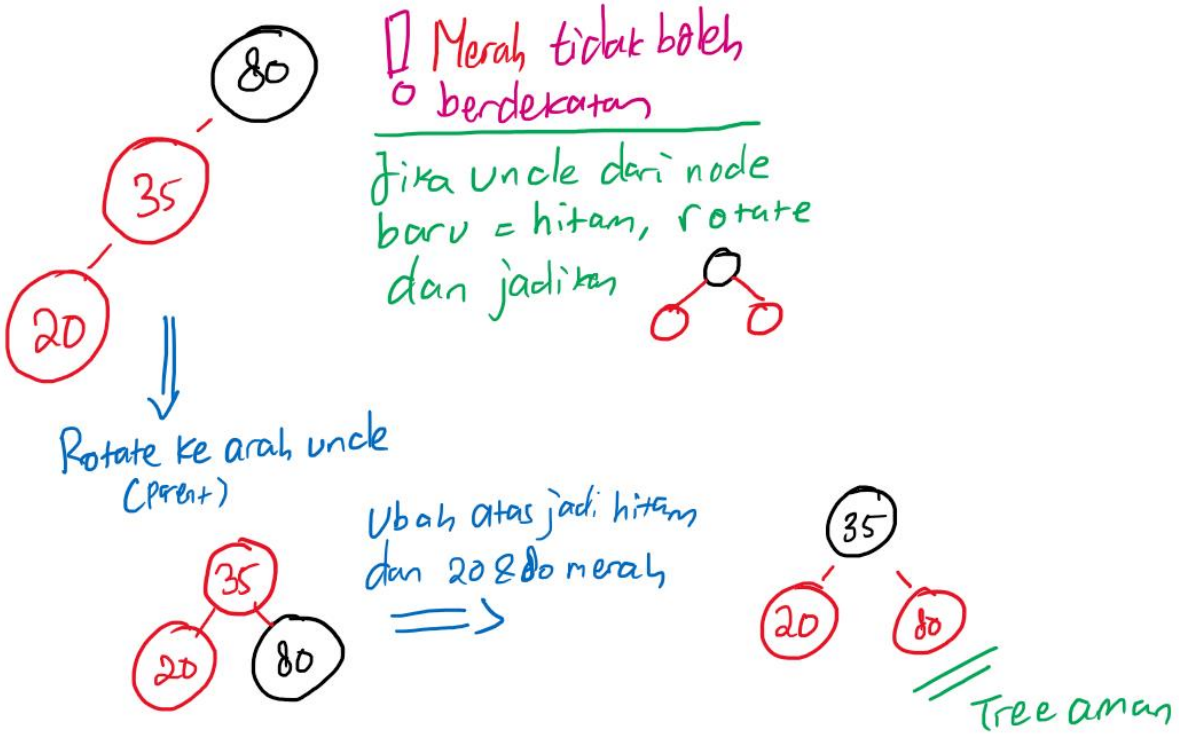
* Selalu insert dengan warna merah

a. Insert ~~80~~, 35, 20, 100, 25, 30, 45, 40, 50, 37

Remove 35, 25, 30, 45, 80

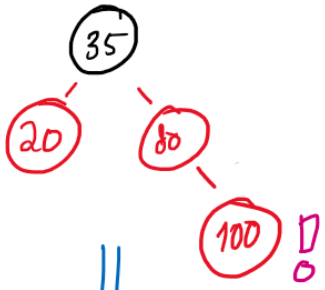
a. Insert ~~80, 35~~, 20, 100, 25, 30, 45, 40, 50, 37

Remove 35, 25, 30, 45, 80



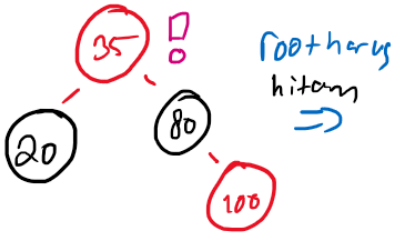
a. Insert ~~80, 35, 20~~, 100, 25, 30, 45, 40, 50, 37

Remove 35, 25, 30, 45, 80

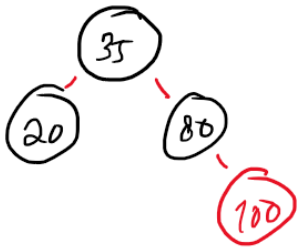


Jika uncle dari node baru merah, maka ganti warna grandparent dan anak generasi 1 nya.

Ganti warna 35, 20, 80

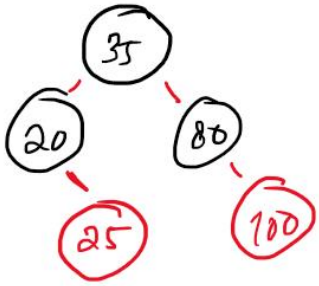


root harus hitam



a. Insert ~~80, 35, 20, 100~~, 25, 30, 45, 40, 50, 37

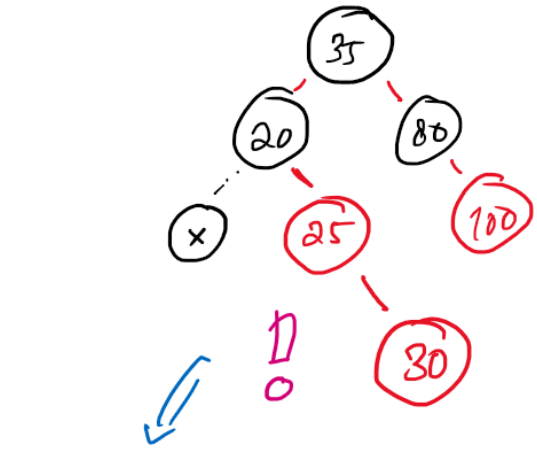
Remove 35, 25, 30, 45, 80



Tree aman

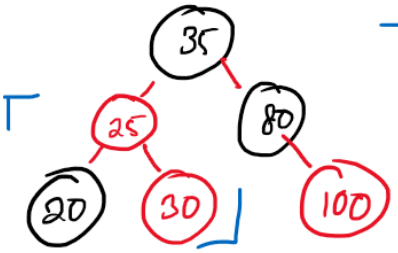
a. Insert ~~80, 35, 20, 100, 25~~, 30, 45, 40, 50, 37

Remove 35, 25, 30, 45, 80

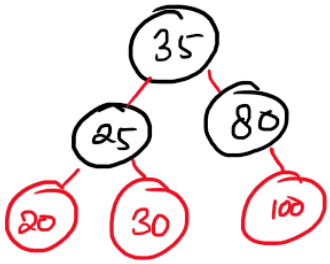


NULL = Hitam

Rotate parent

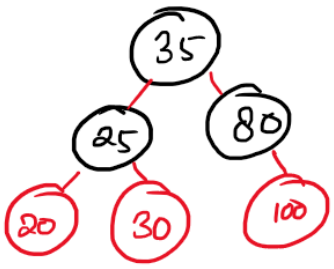


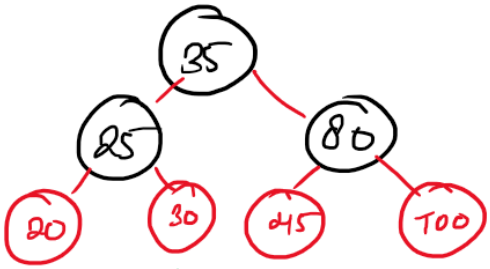
→ Recolor yang dikotak menjadi



a. Insert ~~80, 35, 20, 100, 25, 30~~, 45, 40, 50, 37

Remove 35, 25, 30, 45, 80

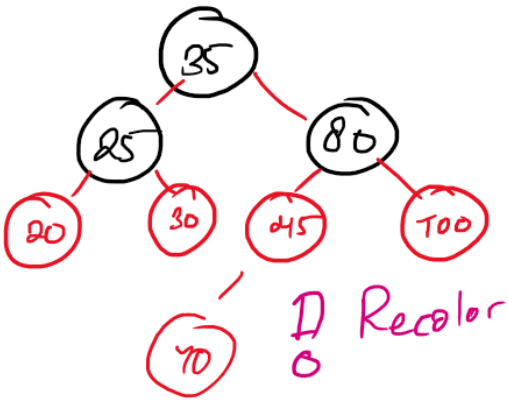




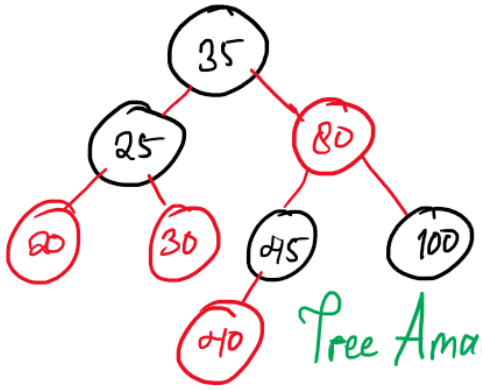
Tree aman

a. Insert ~~80, 35, 20, 100, 25, 30, 45~~, 40, 50, 37

Remove 35, 25, 30, 45, 80



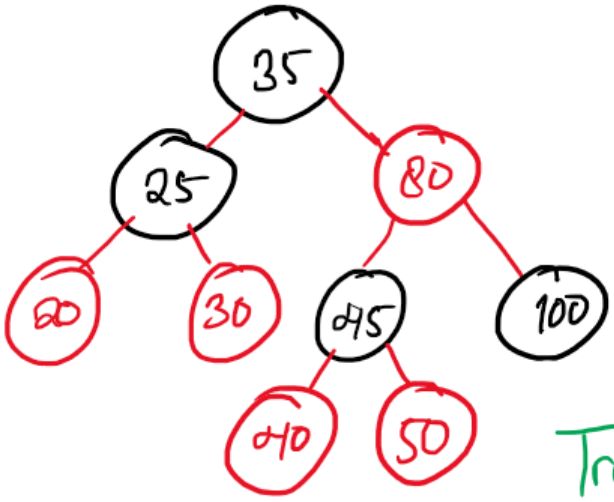
1) Recolor GP dananak
2)



Tree Aman!

a. Insert ~~80, 35, 20, 100, 25, 30, 45, 40~~, 50, 37

Remove 35, 25, 30, 45, 80



Tree aman!

a. Insert ~~80, 35, 20, 100, 25, 30, 45, 40, 50~~, 37

Remove 35, 25, 30, 45, 80