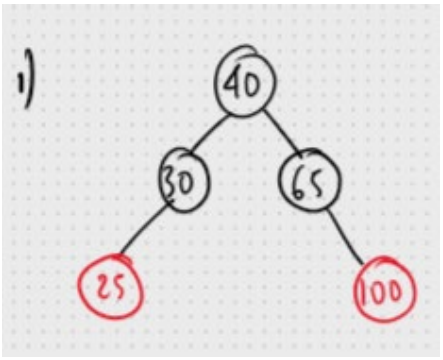
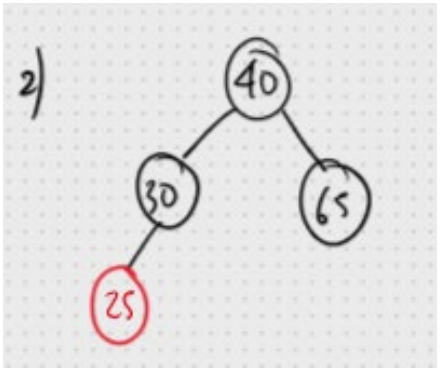
3. **Delete: 100, 40, 25, 65, 30**

- Delete 100

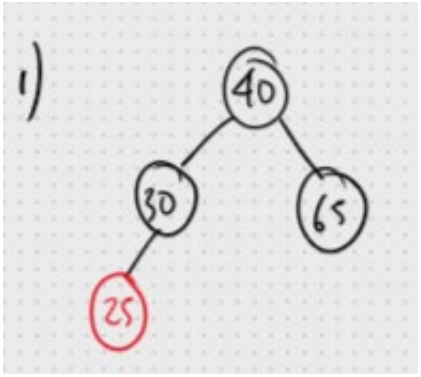


- Mencari key 100
  Traverse dari 40⟶65⟶100

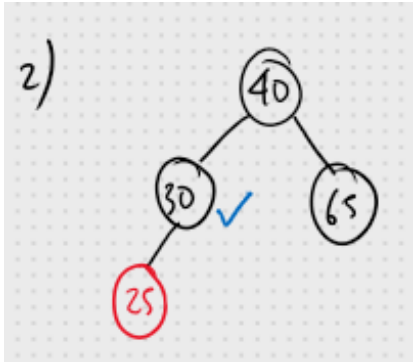


- 100 terdapat di leaf node
- 100 dihapus begitu saja

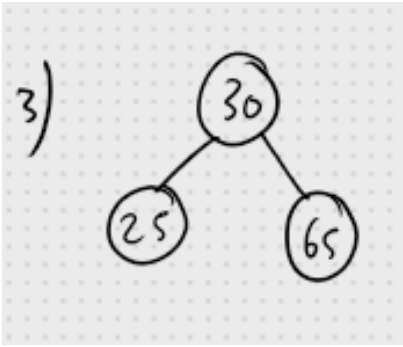
- Delete 40



- Mencari key 40
  40 adalah root

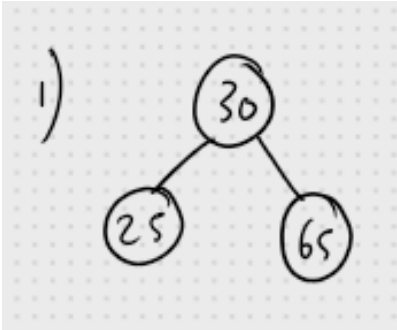


- Mencari predecessor yaitu 30
- 30 akan mengganti posisi 40

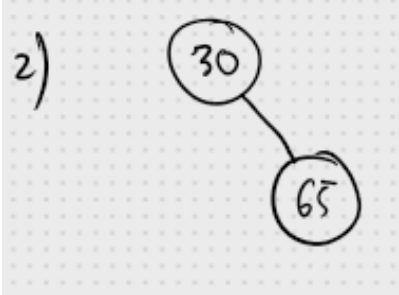


- Node 30 dihapus
- 25 menjadi child dari 30 dan diberi warna hitam agar memenuhi aturan RBT ke-4

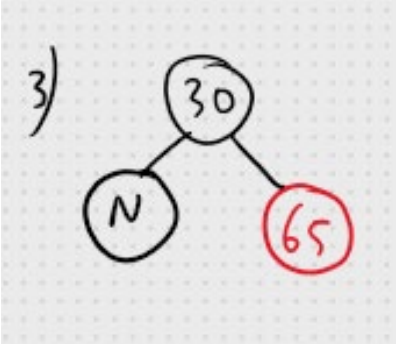
- Delete 25



- Mencari key 25
  Traverse dari 30⟶25

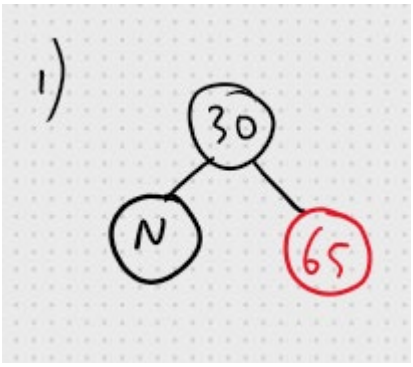


- 25 terdapat di leaf node
- 25 dihapus begitu saja
- Tree sekarang melanggar aturan RBT ke-4

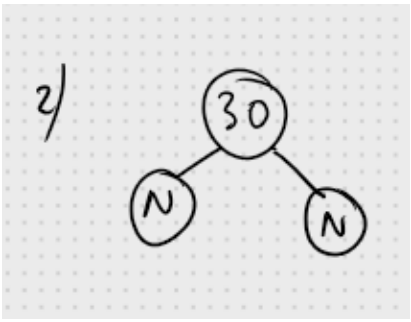


- Node 65 diberi warna merah agar memenuhi aturan RBT ke-4

- Delete 65

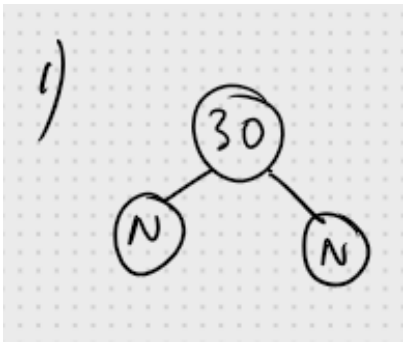


  - Mencari key 65
    Traverse dari 30⟶65

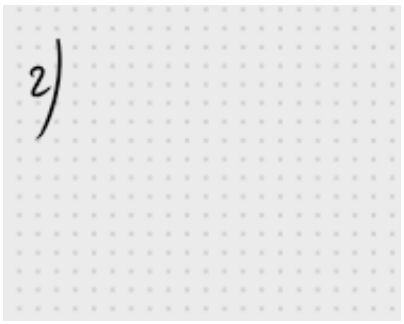


  - 65 terdapat di leaf node
  - 65 dihapus begitu saja

- Delete 30



  - Mencari key 30
    30 adalah root



  - 30 dihapus begitu saja