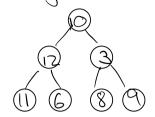
4a. CO,12,3,11,6,8,9]

Original Heap



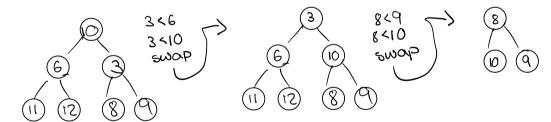
Heapify (1)



Heapify(2)



Heapify (3)



Final Heap

46 [2,4,6,8,10,12,14,16] Original Heap Insert (3) 3 3<16 3 3<16 3 3<16 3 3<16 3 3<16 3 3<16 3 3<16 3 3<16 4 10 12 14 10 14 10 15 10 1 Pop() 3 6 5wap with 8 (6) (7) 4 (9) (2) (4) 4 < 8 6 wap with 8 6 wap with 8 8 10 12 14 8<16 8 10 12 14 8<16 8 10 10 12 14 8 6 8 6 8 6 8 10 10 10 12 16 Pop() Insert (5) C4, 5,6, 8,10,12,14,167