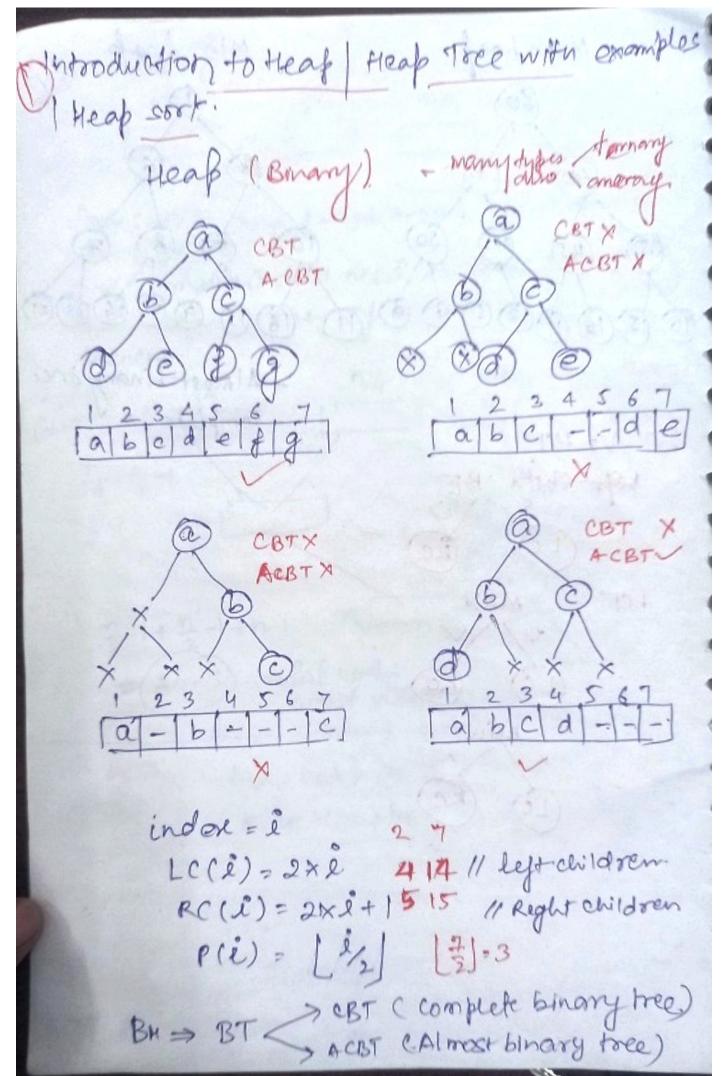
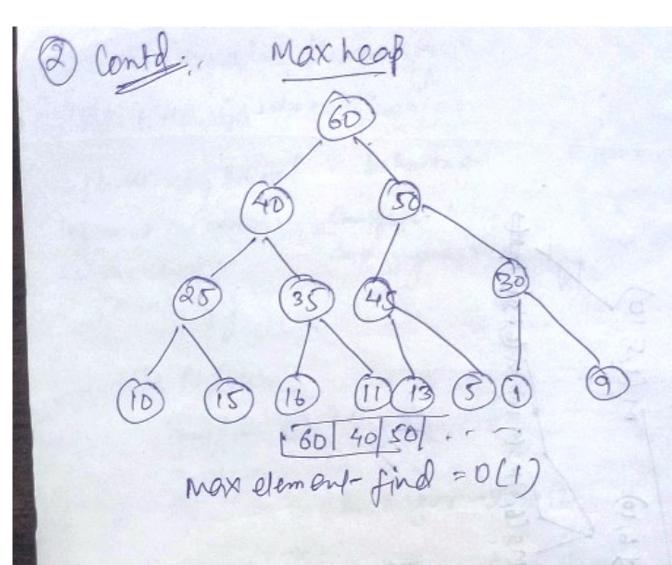
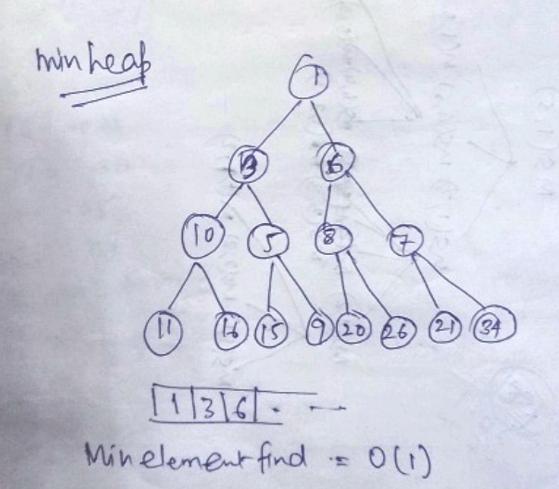
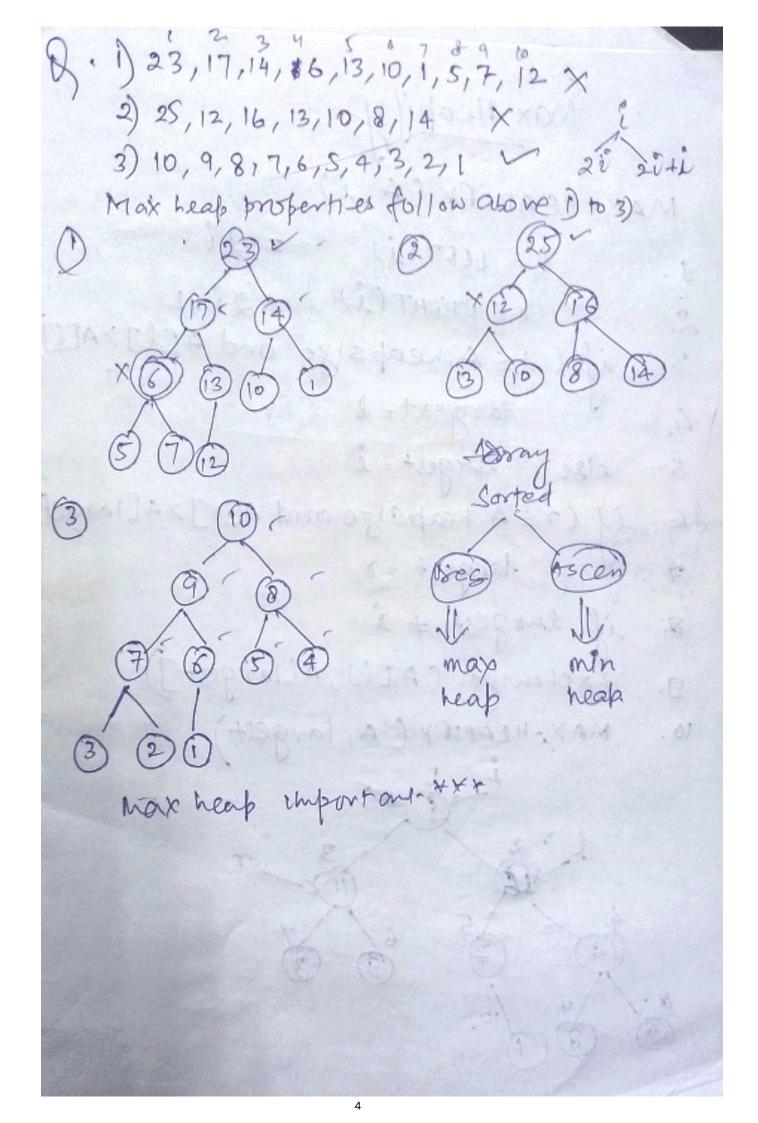
min heap max heaf 6 30 - Almost binary tree - somplete " with Bt max 

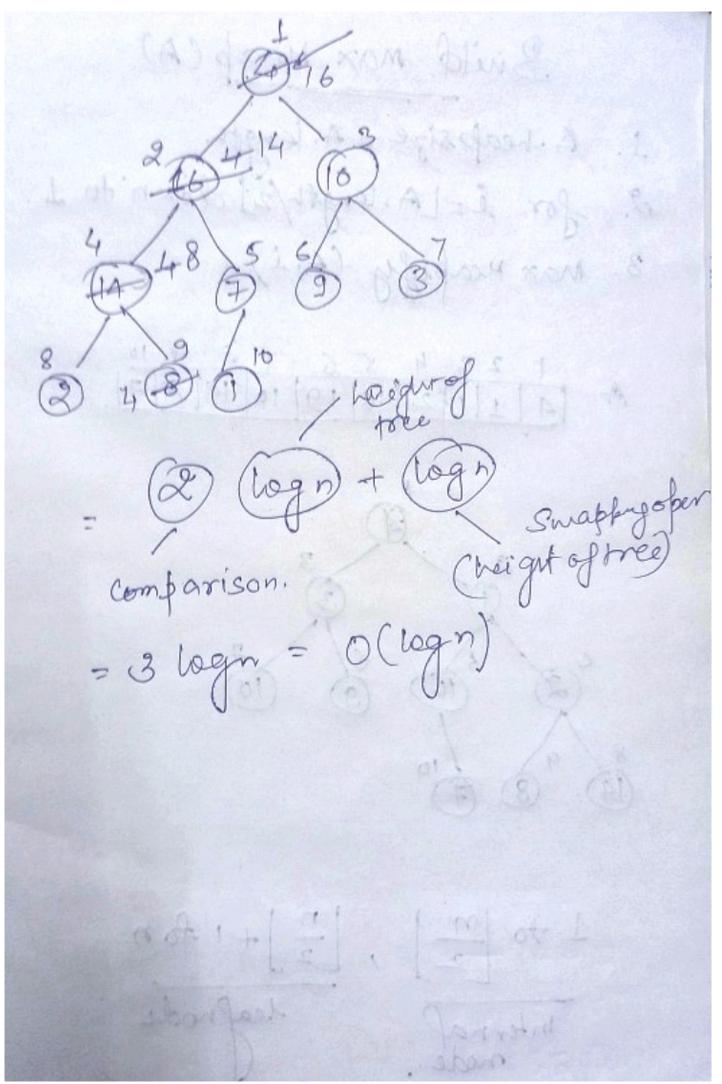






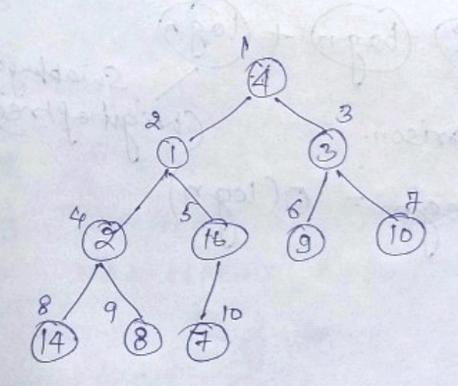


## Max Heapi - HEAPIFY (A, i) l = LEFT(i) r= RIGHT(i) 2. largest = l largest = e rs A. heapsize and A[r]>A[larges largest = r 7 8. Exchange (A [i], A [lax 9. MAX.-HEAPIFY (A) 10.



## Build max Heap (A)

- 1. A. heapsize = A. length
- 2. for i=LA. length/2] down to 1
  - 3. Max Heabify (A,i)



$$\frac{1 + 0 \left[\frac{n}{2}\right]}{\text{nternal}}, \left[\frac{n}{2}\right] + 1 + 0 n$$

$$\frac{1}{\text{made}}$$

$$\frac{1}{\text{mode}}$$