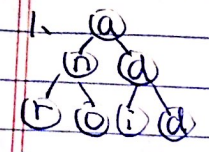
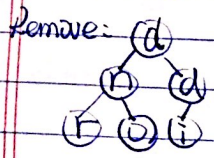
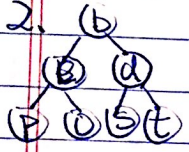
1. 

it is a min heap $a<(d,n)$ ✓
$n<(r,o)$
$d<(i,d)$

Remove: 

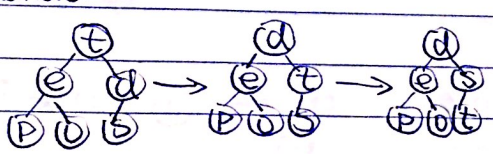
Array: [d|n|d|r|o|i]

there is nothing needed to trickle down.

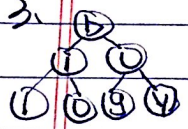
2. 

It is a minheap $b<(e,d)$; $e<(p,o)$; $d<(s,t)$.

Remove:



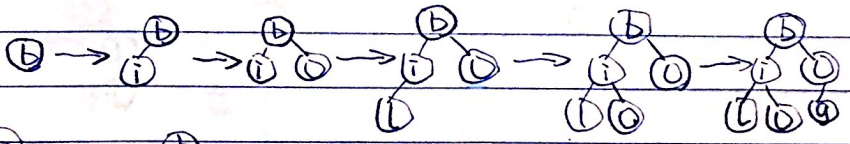
Array: [d|e|s|p|o|t]

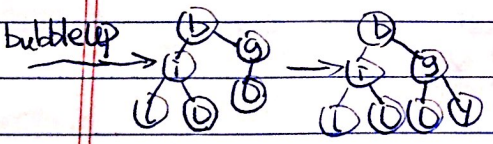
3. 

~~It is not a min-heap~~

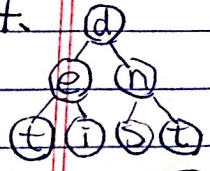
$g<o$, ✓

Insert:

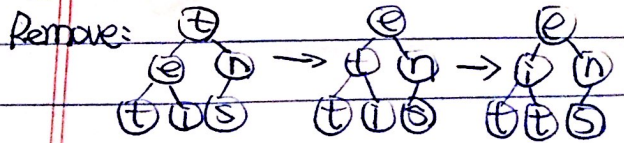


bubble up 

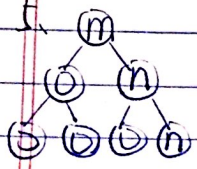
Array [b|i|g|l|o|o|y]

4. 

it is a min-heap: $d<(e,n)$; $e<(t,i)$; $n<(s,t)$

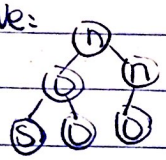
Remove: 

Array: [e|i|n|t|t|s]

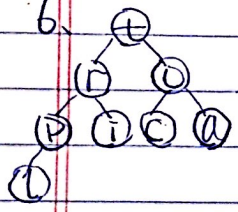
5. 

It is a min-heap

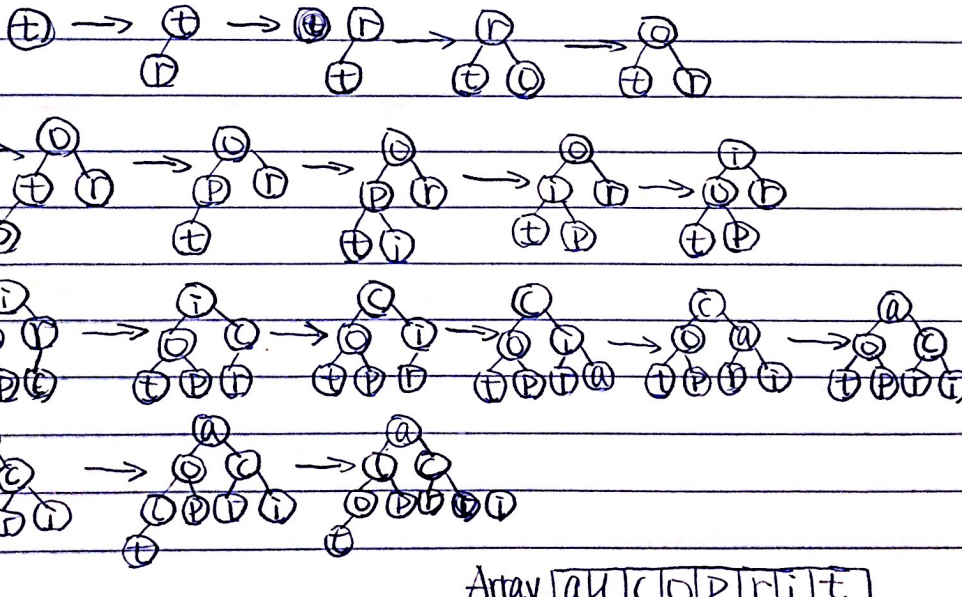
m<(o,n); o<(s,o); n<(o,n).

Remove:  → no need to trickle down

Array [n|o|n|s|o|o]

6. 

It is not a min-heap

Insert: 

Array [a|l|c|o|p|r|i|t]