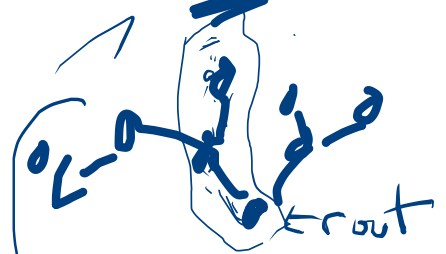


Priority Queue

→ Sorted list
→ Heap

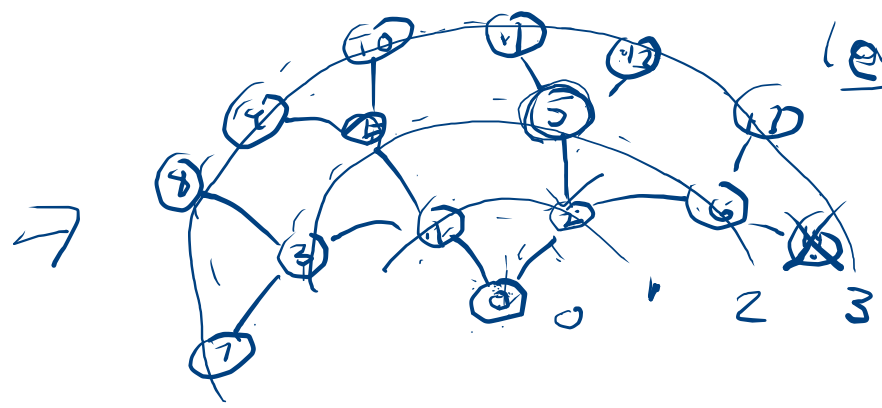
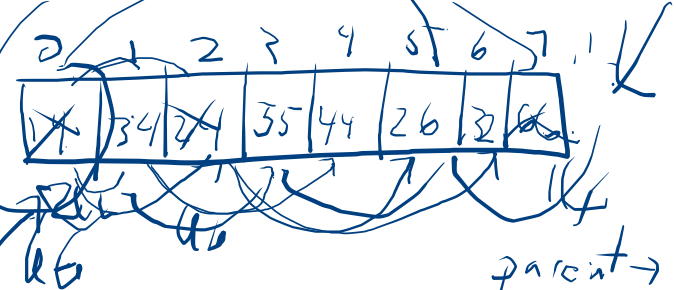


→ * As full as possible
Left
Close to throat
parent
loss children

add
→ size
 $\log_2 \text{size}$
remove
size
1
?
 $\log_2 \text{size}$



Array List



level

parent → left child
parent → right child
child → parent

0 → 1
1 → 3
2 → 5
3 → 7 8

left $2 \cdot p + 1$
right $2 \cdot p + 2$

parent $\lfloor \frac{i-1}{2} \rfloor$
if dir