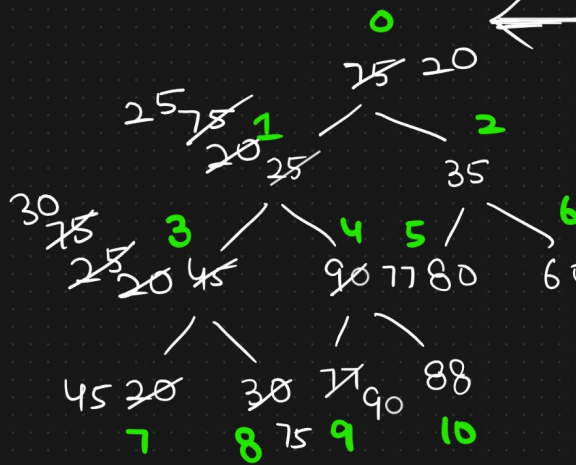


# Build Heap $\rightarrow O(n)$

75, 25, 35, 45, 90, 80, 60, 20, 30, 77, 88

complete  
Binary  
Tree  
(CBT)

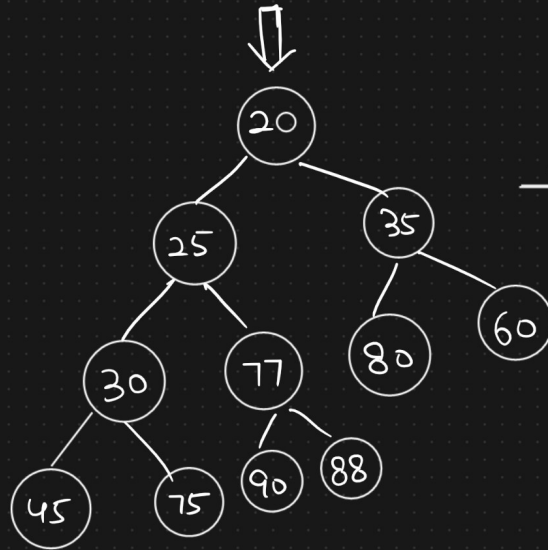


$\leftarrow$  # swaps = 3 (atmost)  
Minheap

$\leftarrow$  # swaps = 2 (atmost)

$\leftarrow$  # swaps = 1 (atmost)

$\leftarrow$  leaf Node  
 $\hookrightarrow$  # swaps = 0



$\rightarrow$  valid Minheap