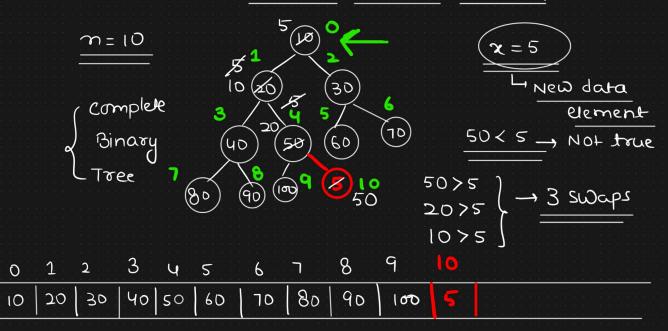
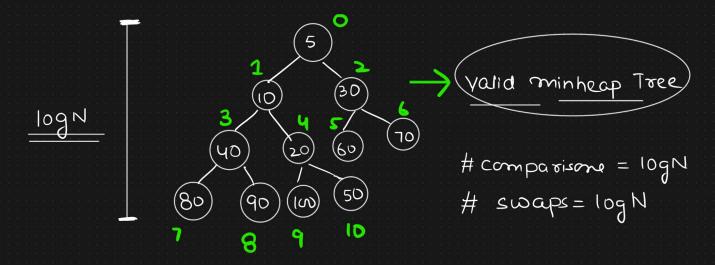
## Insertion in Minheap/Maxheap





0 1 2 3 4 5 6 7 8 9 10											
		`							(30)	<u> </u>	

$$m = 3^{k} - 1 \longrightarrow complete binary \pm ree$$

$$(m+1) = 2^{k} \qquad k = O(\log n)$$

$$\log_{2}(n+1) = \log_{2}^{2k}$$

$$\log_{2}(n+1) = k\log_{2}^{2}$$

Time complexity = Number of comparisons +

The stion (Minheap/Maxheap)

Number of swaps

= 0(109 N)