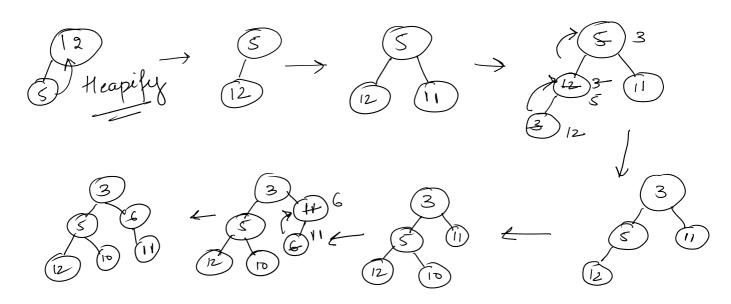
#g Insect - 12,5, 11,3, 10,6,9,4,8,1,7,2



Insert - $O(\log n)$ Time Insert "n" elements => $O(n\log n)$ Space = O(n)

FLOYD'S METHOD - To build heap of n elements

- · l Construct a complete bridey tree
- e 2 Mark the nodes which donot satisfy the heap property
- ·3 Fix the order/property for each of the

Priority Qs Page 2

$$= n \left(\frac{1}{2} \right) = n \times 2 = 0$$

$$= n \left(\frac{1}{2} \right) = n \times 2 = 0$$

$$= n \times 2 = 0$$

13 Heap Sort

or Replace root with last leaf node

*2 treapify - correct the leve to maintain the heap order

(* not consider the noder which have been sorted)

