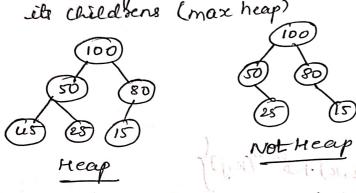
Heap soit: A Heap is a complete Binary rec or almost complete Birary Tree satisfying the following two constitution * All its levels on full Except possibly the last level if the last level is not full, all the nodes abould be filled only from left to right * The Key at Each nocle schould be greater than of = to key of



heap soit is a soiting technique used to arrange numbers in ascending or descending order

This socting rechniques uses creating a max-heap so that root is howing greater value than its childrens.

The same condition must be true for each fultree of a trap

-> Heap soit technique conclets q2 phases

* Heap creation phase = Heap can be created using Bottom up oppra of Soiting phase > Conelet of L Steps.

-> Exchange the root item with last Element of Heap

K-1 to ndo

ob not 1-35.

opulat 12/18

-) decrement the size of Heap by 19 Heapity. (Heap construction)

In min-heap propeety - The value of each node, or child is greater than or espect to its parent. (with min value at the root node)

In mass-heap => The value of each node or child is less than of = to the value of its parent with max value at the root nocle.

