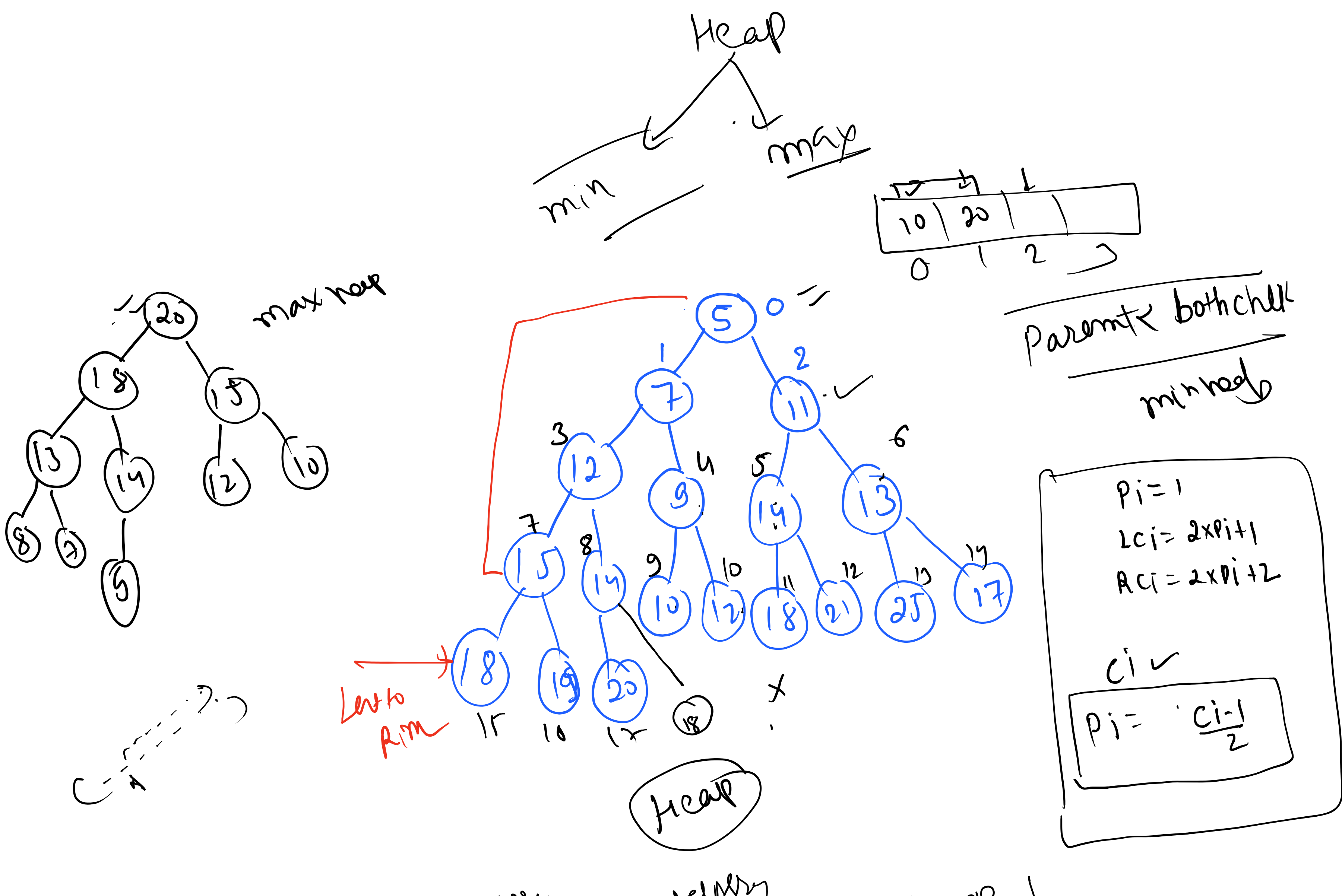
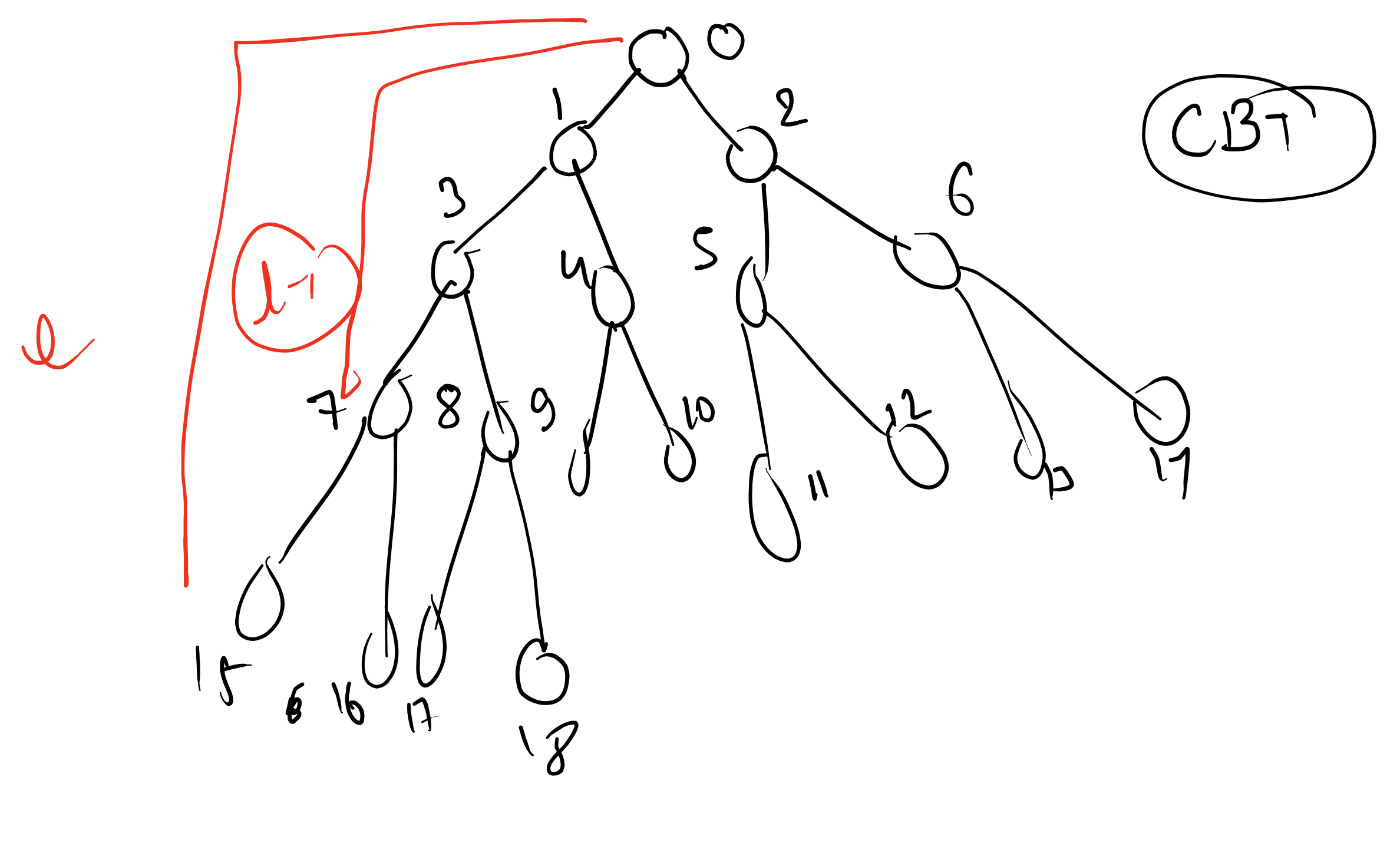
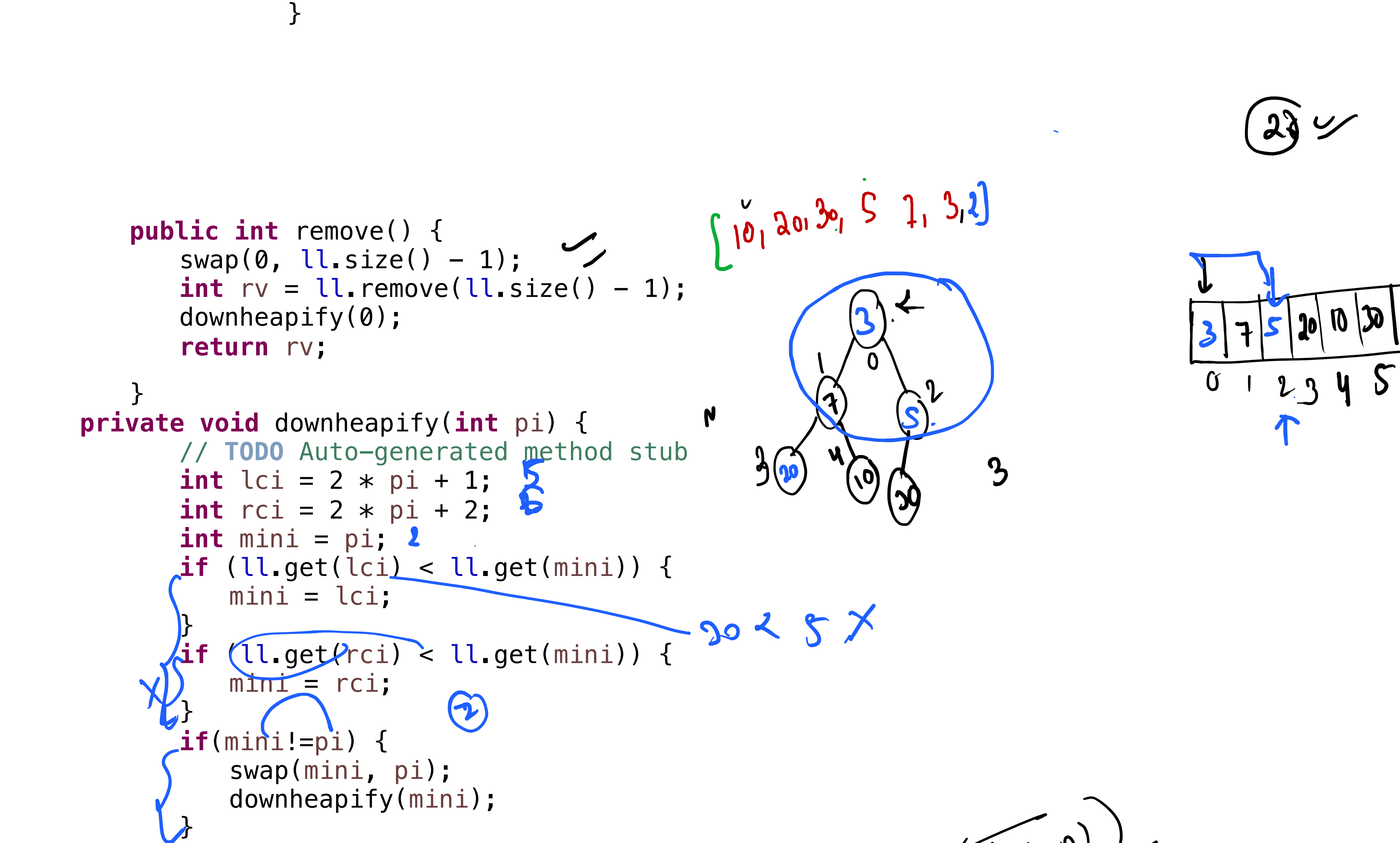
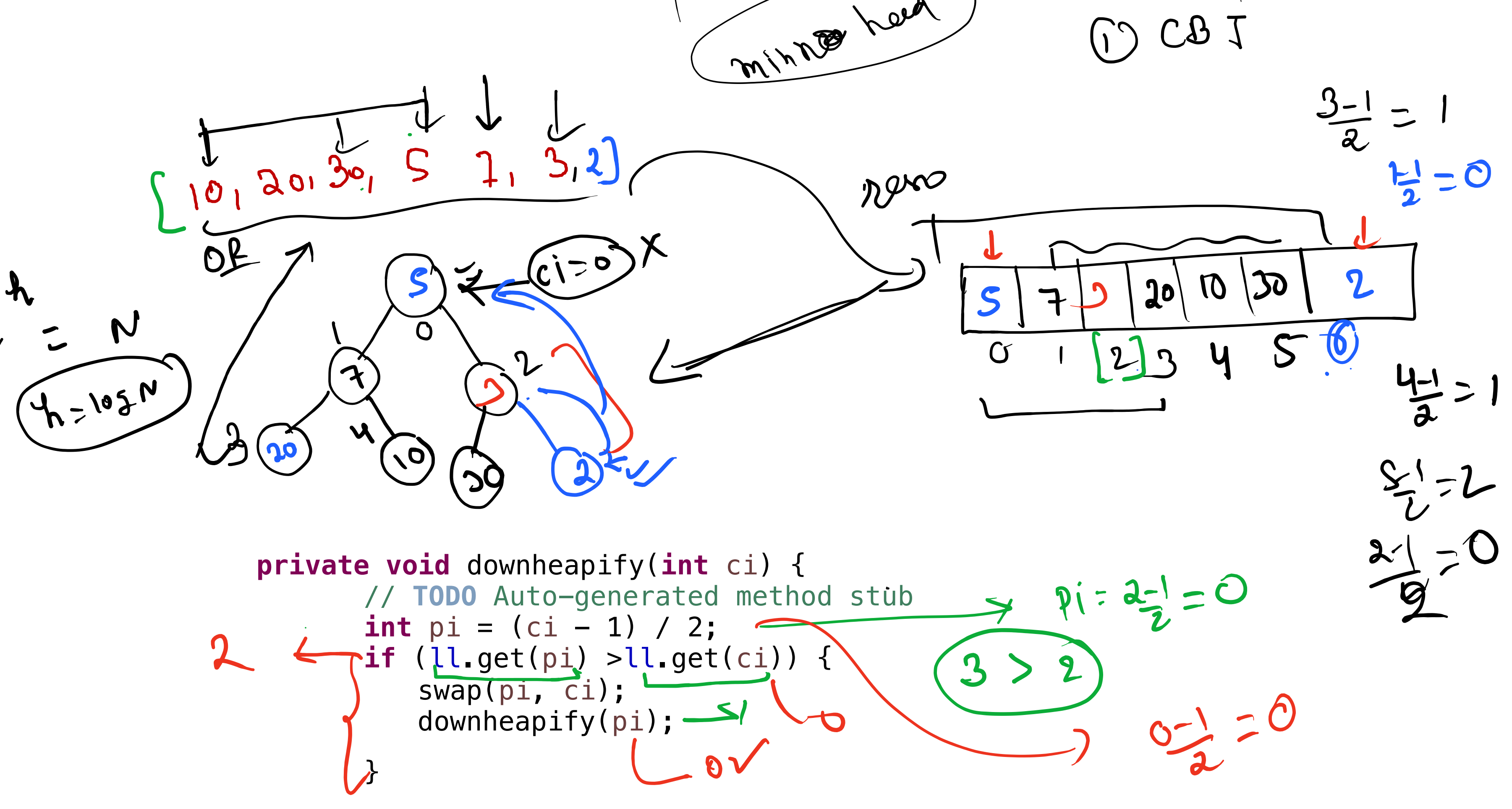


Heap  $\rightarrow$  Priority Queue  $\rightarrow$  FIFO

9+ is CBT & has some priority queue



	Sorted Array	unsorted Array	heap	
Add	$O(n)$	$O(1)$	$(\log n)$	$\rightarrow$ code
remove	$O(n)$	$O(n)$	$\log(n)$	
min	$O(1)$	$O(n)$	$O(1)$	



Input: nums = [3, 2, 3, 1, 2, 4, 5, 5, 6], k = 4  
Output: 4

