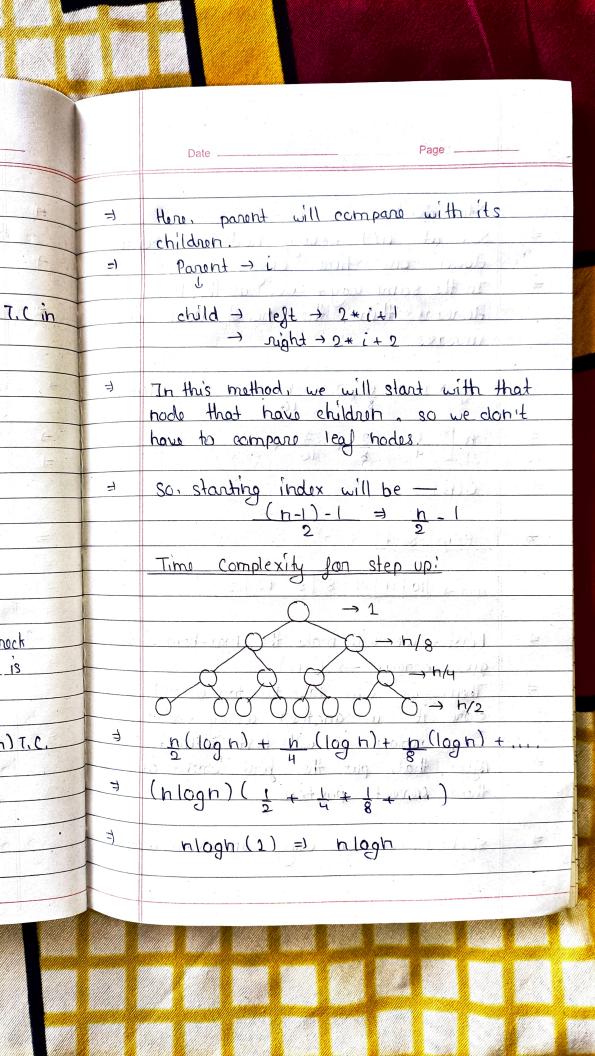
THE CO.		No. of the last of
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	Heap-2	
	are some and they are only the	-
*	Build Hoapi	
7	We have created a heap in O(nlogh) 7. (in	
	previous method.	
	(IY)	=
	(5) (2)	
	(F) (B)	
		=
	24 23 30 9 0 1 2 3 4 5 6 7 8 9 10	
an	141 15 10 00 1 2 20 10 10 10 10 10	
=>	30 24 20 22 23 12 18 14 17 15 19	
=======================================	We will stant from index > 1 then check	3
~~	with parent ((i-1)/2) and if child is	
	greater than parent, swap them.	4
=======================================	This method will also take O(nlogh) T.C.	=
	TT is is called the	=
	This is called step up.	
<u> </u>	Now we will do step down.	=)
=======================================	Mon me mil an sieb doms.	
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	· · ·	
	Stop down:	=
=	So, at n/4 every rode can come	3
\$	In the same ways we as the level decreases then the nor of down time	=1
	decreases then the nor of accounting	=1
	increases.	
	100 h	*
=	h x1 + h x2 + h x3 + 10g h	#
		=1
	$ h \left[\begin{array}{c c} 1 & 2 & 3 \\ 4 & 8 & 16 \end{array} \right] $	
⇒	O(n) - d'ille ach chlack as I se	
		1
*	Heap Sort:	
	in language in the interest of	
	an -> 10 11 14 8 3 19 12	
		=1
=======================================	First, we will make the max-heap of the	
1	given array> O(h)	
= = =	Then, we will take the top element,	+
	store it in another array delete it	
-4	& p replace it with last element.	=
=	After that, put the first element at	1
	their correct position.	1
		1
=======================================	so, here, we are using an extra array.	

Page -So, how can we solve it by using O(1) 8.C. we know that after changing the top element with last element. There will be a space remain in the array. So, we will stone the top element in the last element position. Priority Queue:

The PO, every element have some priority.

We can also say that, there is some type
of priority condition in the queue. Ex! If we have 2, 8, 10 & the priority condition is that the biggest no serve the first than 10 will be served first And this is what ... this is max heap. Priority Queue is used in computer Network, OS, etc. 1