



[0]	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]
80	17	35	15	10	20	30	12	2	1	

leaf nodes = mid + 1 to n.

no n.
leaf nodes = 1 to mid.

Leaf nodes = $(n/2) + 1$ to n

$(n \log n) \rightarrow \text{heapify.}$

$(n \log n) \rightarrow \text{delete}$

heap sort = heapify + delete.

$(2 \times n \log n)$

heap sort = $(n \log n) \rightarrow 2$ is constant