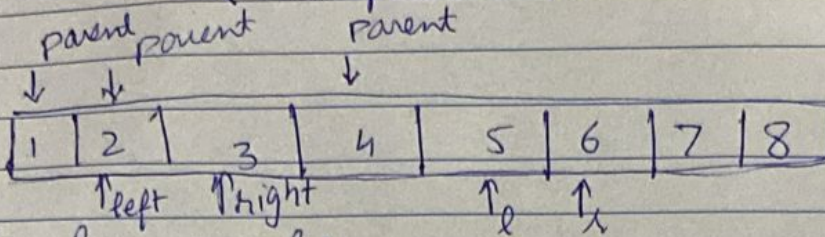


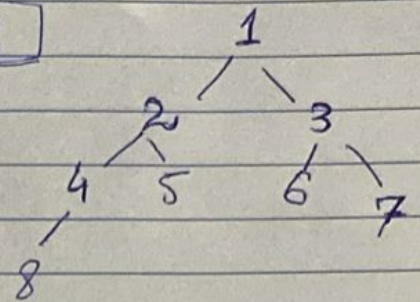
Quiz - 4

Date: 24L-7803
Dulkaiz Waseem

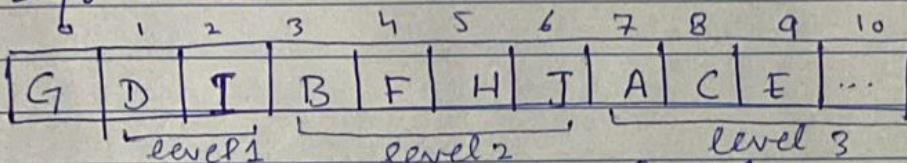
HEAP: (Min heap / Max heap)



formula for parent:
left:
right:

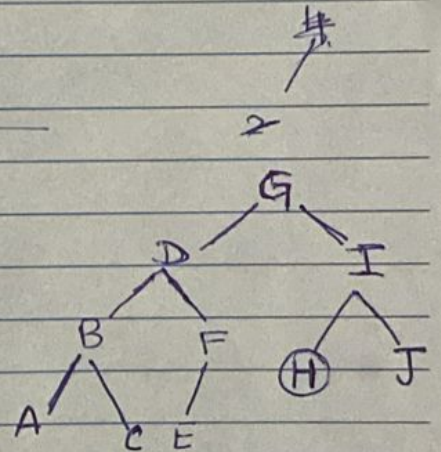


Left Child:



$$\Rightarrow l = \text{level} = \lceil \log_2 i \rceil$$

• parent of a Node: $\lfloor i/2 \rfloor$



• left Child: $i + 2^{l-1} - 1$

• Right Child: $i + 2^{l-1}$

• leaf Node:

5

3 + 2
8

4 +

5