



Heap / Priority Once

Queve:

\$ fife

PQ:

> highest priority Privatity Hourks Pank lover volve higher higher value higher morthy (rein Heap) (tox Hop) Heap1 - CBT - Parent Priority > child Priority Mar: Parent Value > Child Value prin: Part value a child value n luces CBT: m-1 loves confletly folled when level lift or stight IAda: o(logn) IRever: o(legn) Implementation. 5 10 15 100 20 30 140 110 1c: 5

$$ku = 2pi + 1$$

$$ru = 2pi + 2$$

$$pi = u - 1$$

$$2$$