public void add (T data Item, dble priority) DLPriority Queue Psuede code boolean value sorted to check it node was sorted - curr = head, get priority, pror public DL Priority Queuel) - While (curr.getNext!=nall && sorted = false) - Set head & tail to null 5 if (data Iter priority & curr priority) > dataItem prev = curr. prev - Curr prev = dataItem - data Item. next = curr - Sorted = Irue or try break; > Curr = Curr. got Nextl) public vord updatePriority (T data Item, oble priority) throws Invalid Element Exception - boolean value dota Itan Exists = false - while (curr. get Next()!=null) > If (data I ter == curr.get Data I tem()) Public T remove Minl) Throws Erpty Pa Exception L> data I bem Exists = true 2f (head = null) - break; 1) Throw Empty PQ Exception - RmvdDataItem = head 5 cur.get Next() - (Rryd Daka Item. next). setPrer = null - if (data I tem Exists! = True - RnydDataItem set Next = null L) throw Invalid Element Exception - return RmvdDataItem.getDataItem - create temp data Item, get next & prev - curr = head, getnext&prev public boolean is Empty () - Sorted = false - if (front == null and rear = = null) - while (cur. get Next()! = null and sorted = false) Ly return true b if (data Item. priority & curr. priority) 4 return false b) data Item, prw = curr. prev - Curr prev = data I tem public int size() - data [ten. next = curr - sorted = True Counter = 0 - while (cur. get Next()!= null) 4) Cur = Cur. get Next() Lounter ++ - curr = curr.get Next() public String to String() - return counter public Dlinked Node (T> get Rearl) - return rear p. getPra setNext(pgetAt) p. get Next. setfre (p. get Prev)

GoodNotes

