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) - Sct head & tail to null 5 if (data Iter priority & curr priority) > dataItem pra = 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 Nextl)!=null) Public T remove Minl) Throws Erpty Pa Exception > If (data I ten == curr.get Data I tem()) L> data I bem Exists = true · If (head = null) - break; 13 Throw Empty PQ Exception - RmvdDataItem = head 5 cur.get Next() - (Rrvd Data 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 = dataItem public int size() - data [ten. next = curr - sorted = True Counter = 0 - while (cur. get Next()!= null) 4) Cur = Cur. get Next() 4 counter ++ - curr = curr.get Next() public String to String() - return counter public Dlinked Node (T> get Rearl) - return rear p. getPra setNext(pgetAt) P 9 7 1 p. gct Next. setfrev(p.getfrev) if old Wode = front

GoodNotes



