CLAGS TEST

[CS 2103]

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No. of Sheets (Uploaded. 15)

1) Dis advantage of Linear Queue is as follows:

i) We can only remove data from one side, if if by mistake wrong data is sent to queue, it was hard to rectify it [like delete the inserted node]

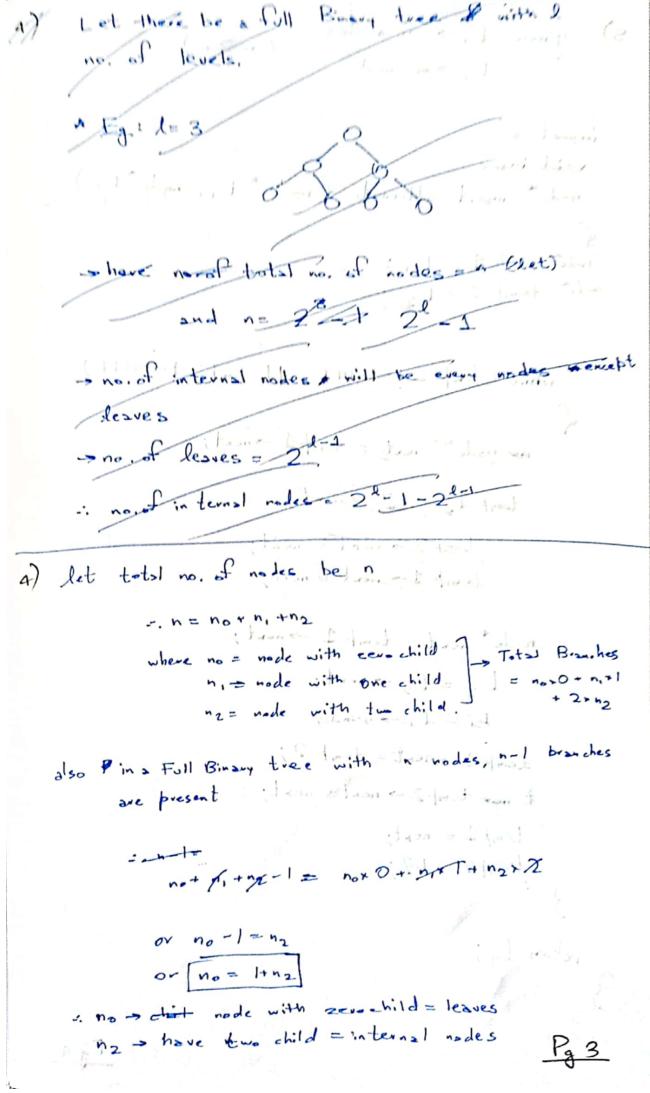
Solution: We can use double ended queue, what is allows us to do is that we can insert and delete elements from both side of the queue.

- 2) Following are a prerequisite of performing binary search on the a list of element.
  - i) Element should be sorted [either ascending or descending]
  - ii) Data should be easily addressable [not possible with lined linked structure].

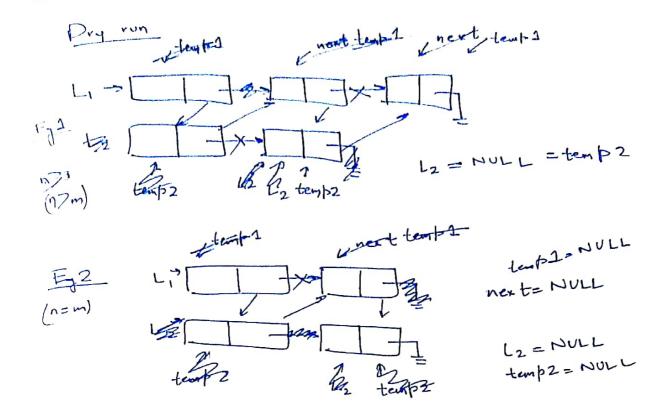
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3) void print\_range ( node " voot, node, int to, inte // this function prints all values; between kiloka 11 node has , data, lichild and rehild, if Inode state Ste Ale moderate st Printf ("1.1", modern dista), Inda if ( node temp = = NULL) is, itreturn; and what some the new to the if (" bet temp = date > K. & 4 temp > date < K2) printf (" Y.d", = temp = date); print-range (temp-s lahild, k., k2); print - range (temp = rchild, k, , k2); resid product to discipling a see privale. colonyalo To feel a falt in prihame a ling That was dellar of them of a complete officered tool Westernah places is which and in Control Ladall tout office

Pg2



Lin n modes 5) g.1884 (n 2m) incato void incor node "insert alternate (node Li, node Lz) note temp 1 = L,; nedet temp 2 = L2; while (temp 1 1= MULL | 1 temp 2 1= NULL) tent 12=12 - next; temp 1 = next; node next = temp 1 -> next; La = La ment; LISTENST; Lemp 1 - next = temp 2; # new temp2 -> next = next; temp1 = next; témp2 = L2; return Li



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