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Deletion in a Unked list
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First we discuss the algorithm that finds the location Loc of the node N which contains ITEM and location LOCP of me precedity note N. ITEM does not appear in the list, then the proceduse sets LOC= NULL & if item appear in the first norten then it sets LOCP = NULL FIND (98 start = NULL then: // 98 the list is empty Set LOC = NULL and LOCP = NUCL & Return

9) INFO[Shot] = ITEM, then Set LOC = Start and 7 when ITEM appears

and LOCP = NULL & Return

in the first node.

ignes

Set SAVE = Stast and Ptr = LINK [Stast] | update

ie we initialize

Repeat Step 5 & 6 while pto \$ NULL

of INPO[ON] = ITEM

Set LOC = PTR

and Lock = SAVE and solum

et SHVE= Pto and PTR = LINK[Pto] | update me pointers. Else Set SAVE = Pto

Set LOC= NULL / search is unsuccessful.

g. Redum





