Sorting a Positional List maintain a variable that vepresents the rightmost position of the currently sorted partially - during each pass, consider position just past marker as phot and consider where the plvot's element belongs relative to the southed portion \* Use another variable to more leftward from the marker as long as there is a proceeding element with a value larger than the pivots def insertion\_sort(1): if len (L) > 1: marker = L.first() while marker != L.lust(): pivot = L. utter(marker) // next item to place value = pivot.element() if value 7 marker.element(): // plvot already sorted marker = pivot 11 relocate pivet else: // find leftmost ikm greater than value walk = marker while walk! = L. first() and L. before (walk) . element > value: walk = b. before (walk) L. deklpivot) //reinsert value hebore walk Ladd-before (walk) Maintaing Access Frequencles - consider maintaining a collection of elements while keeping track of the H of times each element is accessed - we make a new favorities list ADT with added methods: access(e): access element e, increasing count, add to list if not present pemove(e): remove an element e from list it present top (k): return an Iteration of k most accessed elements

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