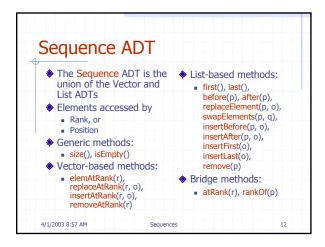
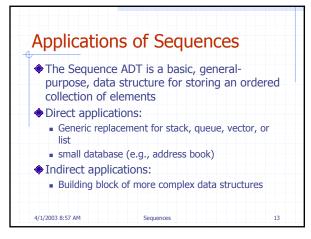
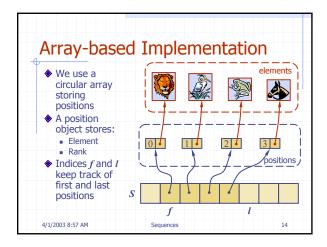


Performance In the implementation of the List ADT by means of a doubly linked list The space used by a list with *n* elements is *O(n)*The space used by each position of the list is *O(1)*All the operations of the List ADT run in *O(1)* time Operation element() of the Position ADT runs in *O(1)* time







Sequence Implementations Operation Array List size, isEmpty atRank, rankOf, elemAtRank 1 n first, last, before, after replaceElement, swapElements 1 replaceAtRank 1 n insertAtRank, removeAtRank n insertFirst, insertLast insertAfter, insertBefore 1 n remove 4/1/2003 8:57 AM 15 Sequences

