













- newPtr->next = curr;
- prev->next = newPtr;
- Inserting at beginning is a special case (X=0)
 newPtr ->next = head;
- head = newPtr;
- What about inserting at end of list?
- How to recognize?Is the code special?



ListDelete

- Similar considerations
- PtrTo is helpful again
- •The deleted node should have *delete* operator applied
- or memory leak results
- •Deleting from beginning of list a special case •changes head value
- •Full code: textbook p. 177

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Variations on a theme

Doubly linked lists

- Point backwards as well as forwards
- Makes finding the previous pointer a breeze
- Takes a little more space and complexity to manage the extra pointers
- Circular lists
 - Can remove some special cases
- Head and tail pointers.
- Good for "queues" (always add at tail, always remove at head)
- Dummy nodes at front or rear
- •Can remove some special cases

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