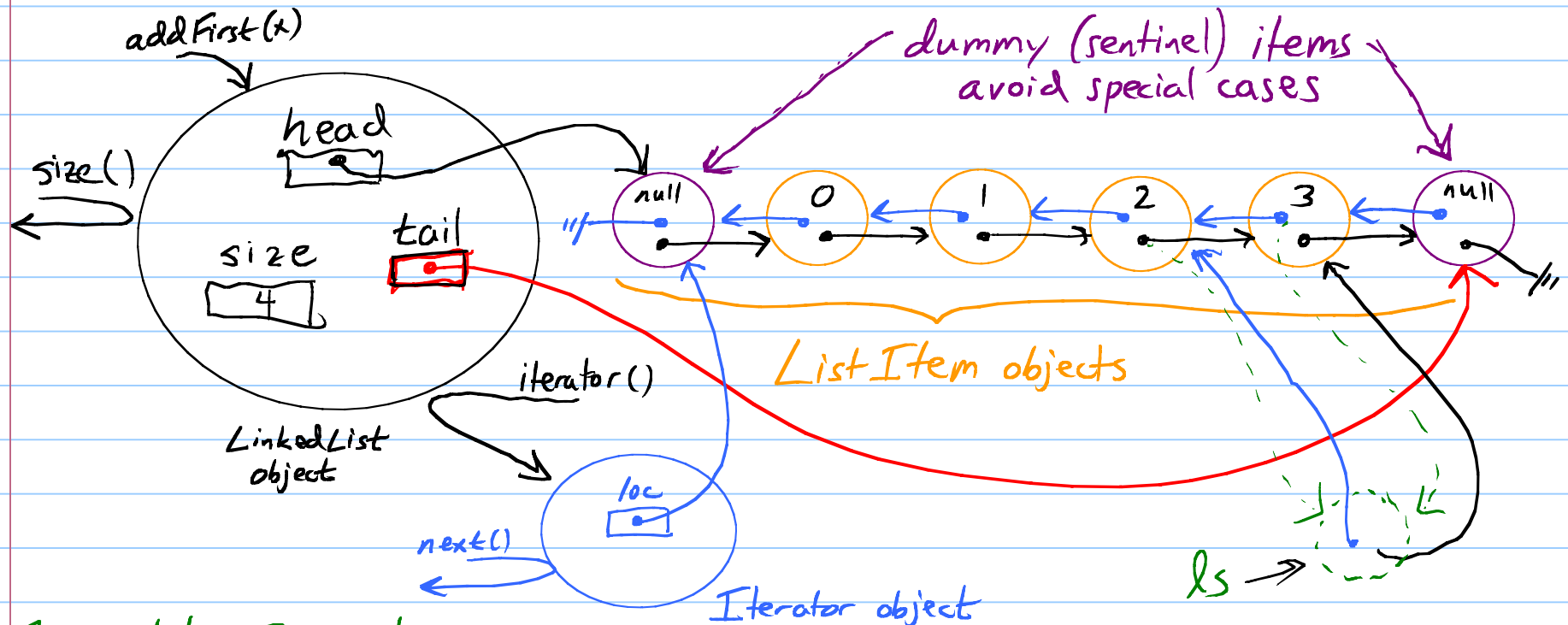


An Encapsulated Doubly Linked List

Note Title

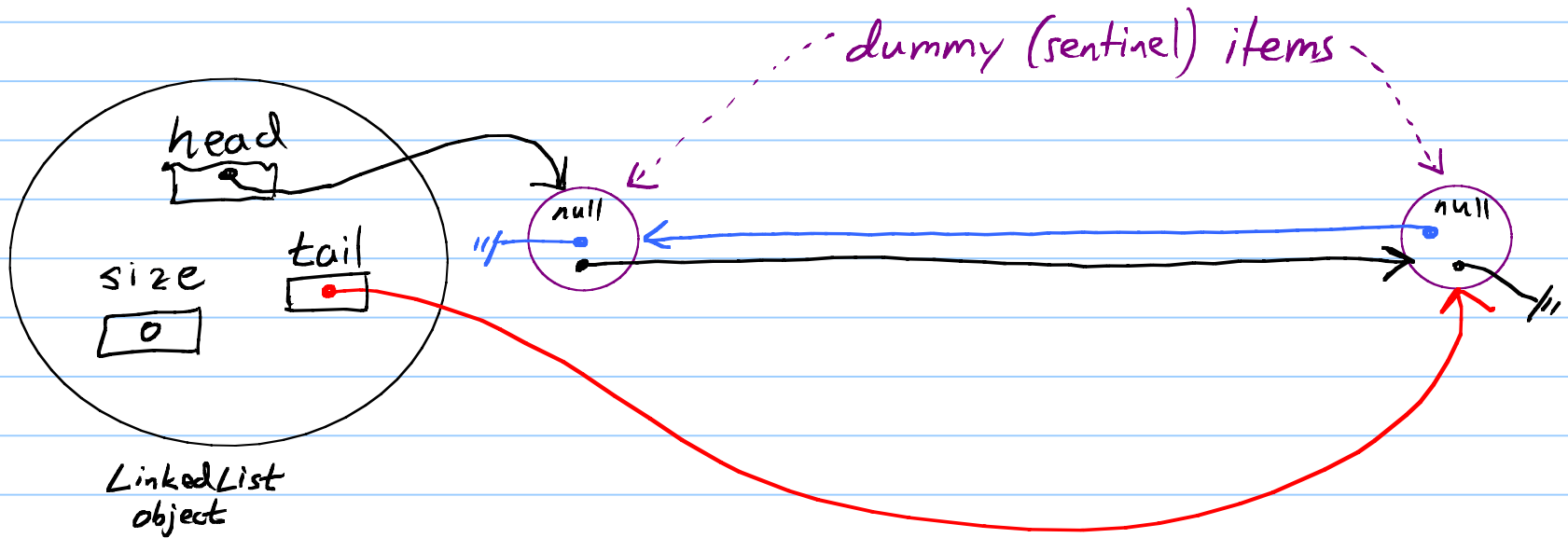
10/30/2007



Representation Invariants:

- ① **SIZE:** size is always equal to the number of elements in the list
- ② **LINKED:** for all items x (except head & tail),
 $x.\text{next}.\text{prev} == x$ $x.\text{prev}.\text{next} == x$

Initial state (after the constructor runs)



Note: The head and tail references never change.