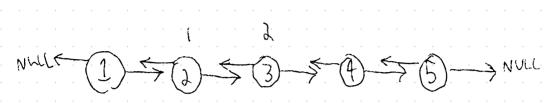
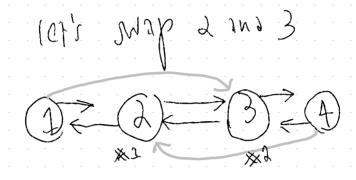
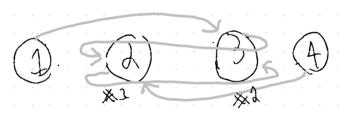
A-12,3

for A, I impremented a dally linked list, and then write a method to swap my hode with any other hode. The explanation here, however, will focus specifically and the ease where we are swapping a given hode with its successor.





hade I Next set Prev (hode 1);



hade a . Sot Mext (hade 1); hade 1 . sot Prev (hade 2);

1) 3 3 2 2 (A) previous rement to hade 2 set Next (hade 2 Next).

for 2dditional examples see the Junit tests.

since the ship is what a fixed number of reference changes, once you have the hode it is O(2).

However, finding the hode in evder to swip it is O(h) size you held to to to the travelse the linked list hode-by-hode.

This means that the averall time complexity is O(h), as O(2) if the call the eyest orded method with two hodes.