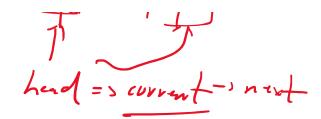
2025-02-20 - To develop program for data structure using built in functions in python

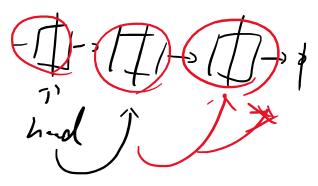
20 February 2025 08:14 Linked Lister: List <=> Ana mintalin Object Oriented Space => Linked Cit def insertion (self, data): newNode = Node (data) newNode.next = self.head self.head = newNode def insertion (self, data): newNode = Node (data) if not self.head: self.head = newNode else: current = self.head

while current.next:

current = self.head
while current.next:
 current = current.next
current.next = newNode



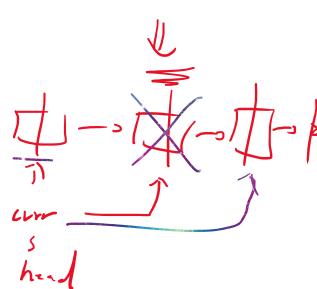
-> for (head) -> for (head) x



def deletion (self, element): if not self.head: return

if self.head == element:
 self.head = self.head.next
 return

current = self.head
while current.next:
 if current.next.data == element:
 current.next = current.next.next
 return
 current = current.next



=> Detect a cycle in 21 :

Mashmap bussel Floyd (yde (Han Slordin Alg) => Mashmap: -> traverse the list individually I trap

putting node addresses in a Hashtable. -> At my joint if NOLL is rached network From. -> If the next of connect points to
any prev, rates in Mishtable rown true. -stime (ompleity o(N)
-s Auxillary Spree O(N) => Floyd Cyle & More & Portoise Algorithm. -s France LC vsing 2 pointers.

-> More one pointer slow & anotherby 2.

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