

TC:
$$m + (m-n) + m+n$$
 SC: O(1)

= $O(m+n)$

Time Complexity:

Had:

20 3k

Display: O(n) Size: 0(n)

Getfrst: O(1) GetCast: O(n)

Get At: 0(v)

Add first: O(1)

Add cast: 0(n)

Add At: O(n)

Removefores: 0(1)

Remove lest: O(n)

Remove At: O(n)

Head, Tail:

Display: O(n) Size: 0(n)

Getfrst: O(1)

Gut Cast: co(m) O(1)

Get At: 0(n)

Add first: O(1)

Add cast: o(n) o(1)

Add At: 0(m)

Removeforet: 0(1)

Remove lest: O(n)

Remove At: O(n)

Add:

Stock



Casc1: Il Head

GF: O(1) 9c : D(n)

Af :0(1) AL : 0(n)

Rf 10(1) RL : 0(n)



Case 2: LL Head, Tail

Queue using LL



(mbinaturo 2: AL o(n) RF o(1)

You are not able to achieve O(1)
The for bother add & delete

(asc2: LL H, T (f: O(1)) Af: O(1) Pf: O(1)

(L: O(1)) Ac: O(1) PL: O(n)

(asc2: LL H, T (f: O(1)) Af: O(1))

(J-hacks)

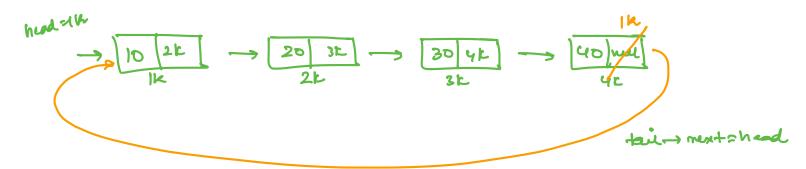
Add Delete

(ambination 1: Af O(1)) Rf O(1)

(ambination 2: Al O(1)) Rf O(1)

Singly linked list - 4,T

Circular Linked List:



Doubly Linked list

Doubly Circular Linked Wist

