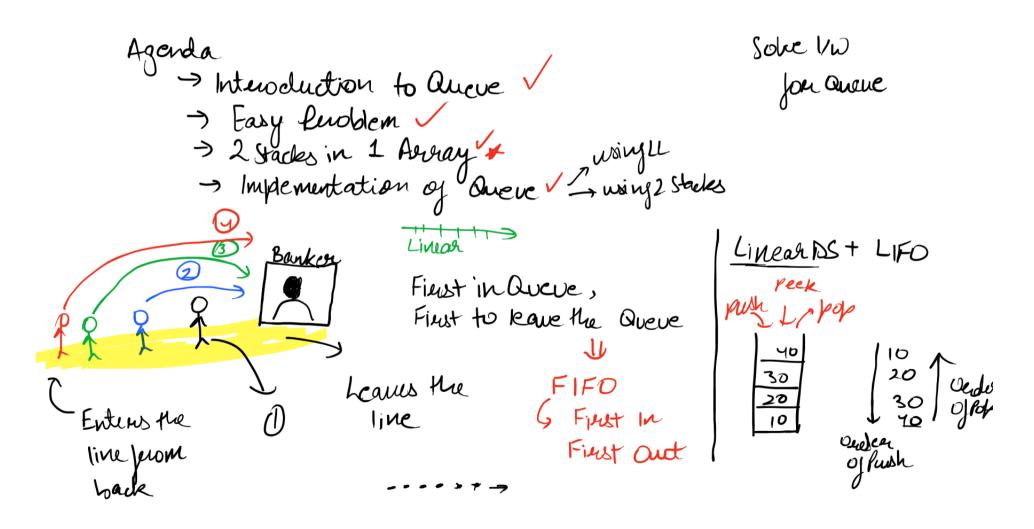
Queve Monday, 29 July 2024 8:56 PM



FIFD !!

Memove() G homous the element from adds element at the end of the queue ander of adding FIFO 10,20, 30, 40,50 order of remared Queue interpace in Java

1) Queve < £7 quename= new Array Deque <>(); []

@ Queve < E7quevename = new Linked List < 7();
Methods:

Enqueve = @ add () / offer()

Dequeve = @ numove() / poll()

Jeck()

Sc: O(1)

Size

Method

* Enqueve > 2 Enter inquevery add()/ offer()

* Dequeve → E Delete juon queve 3 wmove ()/poll()

30, 20,10 Dequeve

Deque { Double Ended Oneve?

Linear DS | Implemented using Doubly Linked List

add Last () Tc:ou)

get First () Tc:ou)

remove First () Tc:ou)

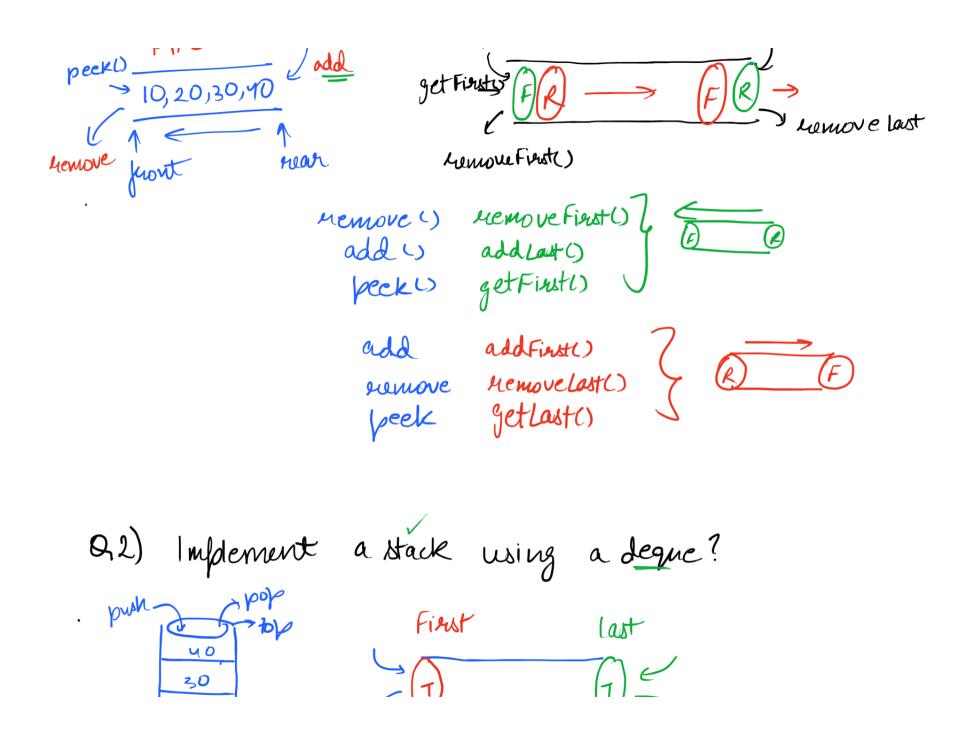
remove First () Tc:ou)

remove First () Tc:ou)

=> Deque < E> deque = new Avoray Deque <> ();

(Q1) Implement Queve using <u>Deque?</u>
addfination

add last()



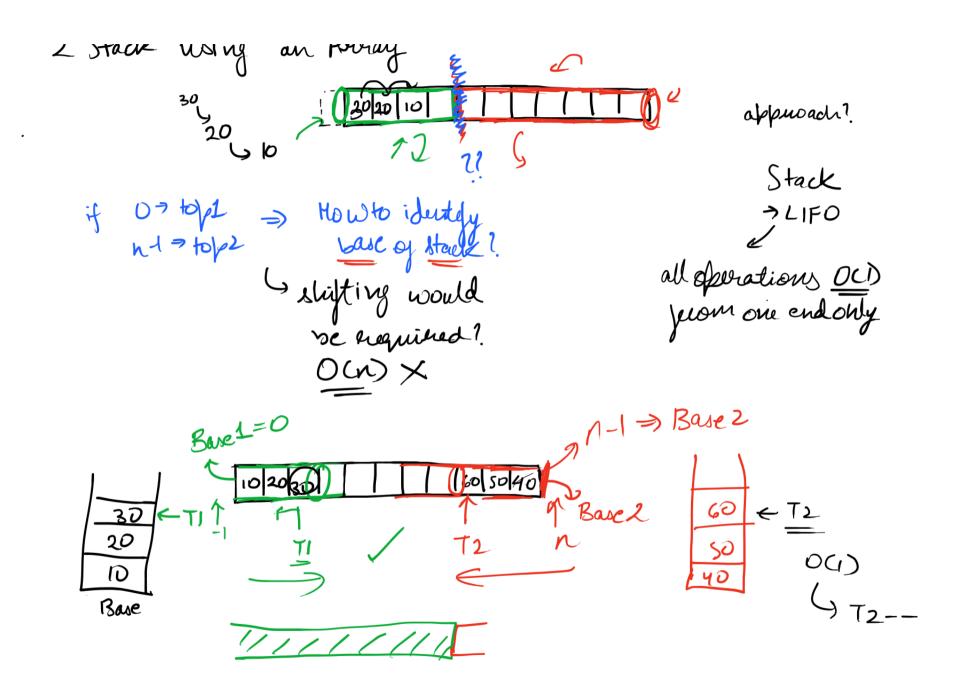
popl) Seremove First () push Saddrast ()
push) 2 add First ()
pop C remove Last ()
LIFO LIFOR # Design a Queve using LL. 10,20,30,40 Lemove (OCI)

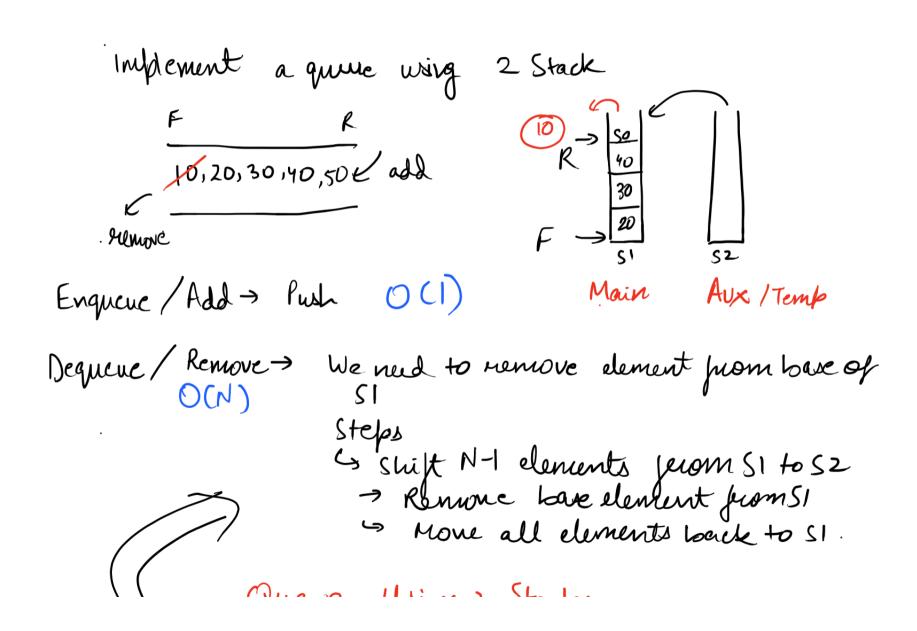
S add → add Tail() o(1)

nemove → nemovehead() o(1)

peck() → gettlead()

O Challe and Annau





were using 1 stacks Enqueue OCI) Dequeue OCI) -> more pereposence to add in O(1) Remove will work in O(1) → Dequeue → OcN) > Enqueux > O(N) 10,20,30,40,50 remove Remove > pop > O(1) OCI) Add in revurse order

1) Move all dements to S2 2) Add X in S1 3) Move all dements from S2 to S1.

Created with OneNote.