

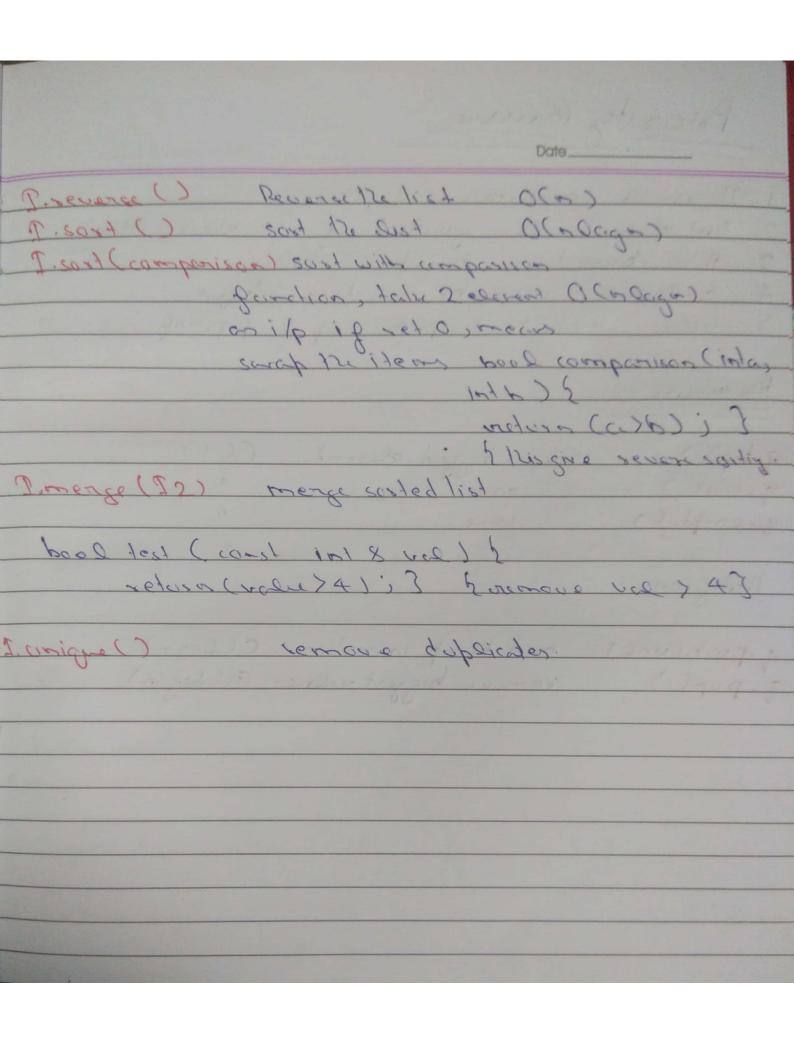
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I standard container	clanes	list 8d	Lower
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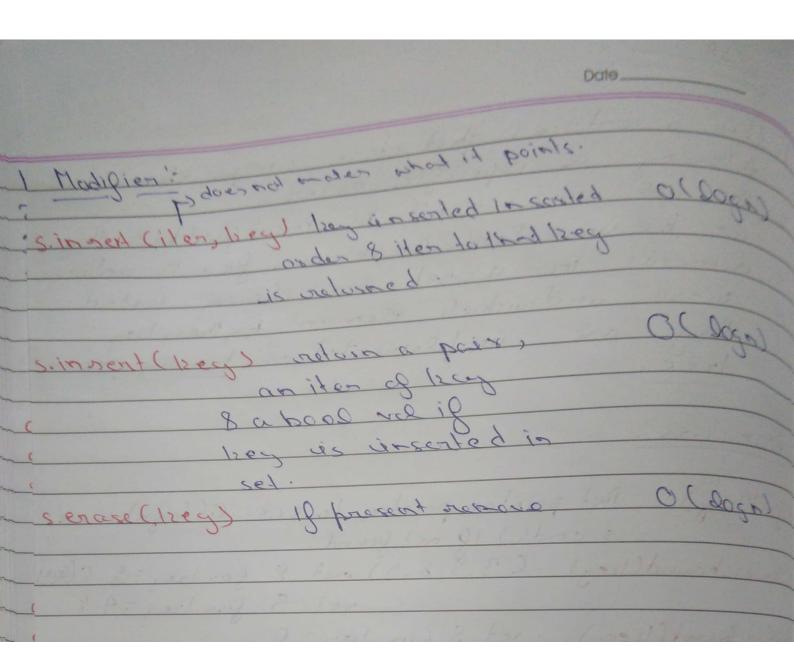
Deque 1. Provide functionality similar to wanter but with efficient insertion & deletion at beg 2. No garanter for configuous storage 3. The clament of deque: can be suffered in diff charles of sparage. 4. Operation that require frequent removes Sincertion of pos diff that beg send defre perform were than 1151 Degre can be expanded as contracted on both and (dynamic sizes); Hacessoss' dtil set as set it's element O(1) 9 gori= 2 disirel) " convent on of ece (1) dempty () The if empty " School 3 & (d.) 3 * (d. hegis) 1 # (d. end()-1 d. parts ret girl element Modifiers: de push-grant (val) adducte front O(1)
de push-back (val) " val la back O(1) de pap back) " vil from end O(1) 1 food goods d. eras (ilerator) " valindered by it o(n) dierage (begrend) somervedor

List:-	Date	
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	end "	
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D. Lo.	201-1211	
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	ane as previou	<.
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Priority Queue: Date_ 2. I'm' cleven' is greated of all element. 3. Il is based on head make head , post teap & pop heap meters biggest clevers q.push(une) max-heap inexention O(loga) g. popl) semone higgest valuer Ollogo)

Set: 1. It is a container that store unique element following a especific order 2. The was in set can't be modified but they can be inverted or comove from the container 3. dement in a set are alway sorted. 4. access individual element bytheir beg. They are implemented as biocomy seconds Accossors: Ret pointer pointing to sox O(Dogn) s. cond) 10 not goverd 5. Auer bound (beg) (3,5,8,9) net 8 gorlieg = 8 Olya) set 5 por lang = 4 V 5. apper bound (leg) 1et 8 gar beg = 6 set 3 for key = 82 both orders a iterator 5. equal - range (heg) Rolan paix (lower boundless) Ollago) Support board (bey) ? pais (int) int > (5,8) pas her = O (loga) 5. count (hey) fi 0 xg1 for Tray goods or not since thee tree or goon iter for gist elevent. out iten one post last eleveral Obmot in conted in order: 5,8,9,8,3,5
set: (3,5,8,9) mullised (3,5,5,8,8,9) 典



Map 6 1. are associative container that store escende formed by a combination of a bay value & a mapped value I hay are sorted & unique. 2. Type of her & value may differ. 4. order of un sertion is maintained & · implemented as bionony search free Accessors'militage Red val fartrey aradd Oldages default was for lery if no lease is present m. find [legg] Reta iter point to allog n (shows so (k, x) go read) p= * (m. leg) good mlower-bound (key) for map 0(0000) ((2,1),(3,5),(5,9),(8,4)) (5,9) por iten pointing if 12=5 (2) 1) each item 1 /2=0 (Doja) mupper bound (bey) (8,4) eret iten ip hoy = 5

Date_ mequal sange (ley) Pet a pess containing our offer & Dawer bound for Modifien. insert (paix) to ginet (12,0) paix