	Homanona 3.L	a hadrian	so the latest .
yes. we	can use browabl		
Algorithm	n enqueue (Object	o) 2 de 10 de 1	
if	Size		lun quanayên .
	then a[r]= a		aususada.
olie	Object A[] = new		
Clase	for it to to N	1	
	Atil-Sti	sh	rategy since in next
	SEA	po	ont, n is very large.
	S[r] = 0		tegy according to
		the	situation.
Steps to	enqueue n eleme	enta	New tirit
П	· short so	Phase P	Size 1
	to by Husen the	Phase 21	Size 2
		feach phase 13	size Book

Page No. Date In it phase, size of array is 2 allocating fresh for n elements, we will have logn such phase. Total steps required = 4n-1 Total phouses = legn

Homework3-3

Assuming sentenel nodes are not present Assume that we are given the taggettade reference. Algorithm deleterlade (Doubly Linked Witt list, tinget blade) else. System. out. println ("List is Empsty.") temp of target Node towget Node mext ANode is head node lengt s temp list- had & list- head next // more head free (temp) Il free memory
list bead prev = NULL // setup bead of reprome white to temp < list head while (temp!= NULL and i < pax) temp=temponext, i+ node | = temp. prev node 2 = temp. next node 2. preve node 1 free (temp) I free

	Page No.
	Date
В.	Alsuming centinal nodes are present
	Sentenel node Hail had
	Assume that we are given the position
	Algorithm delete Nate (Doubly linked sixt bit, int period) bead wist sentinel next
-0	tout - est sentinel prev
	if (lot-size=0)
	system out-pritten ("List is empty")
	else show that is about
	if (pos=1) 11 Node is headrode
barring.	list. sentinel next = < head next
	free(head)
& spine	heade read next
	E head prev < NULL
	else if (pol = list.size())
	list . sentirel . prev & tail . prev
	free (tail)
	tail + tail prev
	tail next = NULL
	else it tempt head
	while templ= NULL and iKN)
	temp = = temp. next
	nodel = temp. prev
	noole 2 = temp. next
	nodel next = nodez
	nodez- prev= node
	free (temp)

Homewood 3.4
As a gi we know, we will maintain an "entry point"
As a gi we know, we will maintain an "entry point" reprend to the list-let's call it head.
Algorithm insertat Beginning (Node new node)
if (head = NULL)
head to newhoode
head next to newhoode
else.
newnode.next = < head.next
head next = ~ newnode