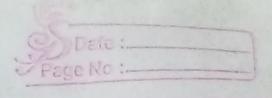
	Khorithih . S. Aman 1
	1BM18C3040-A2
	ADS LAB
	Weck 1- Wente UP
	Implement Memory efficient doubly LL
	Implement Memory efficient doubly LL Using XOR
	Pseudo Code: Trocest at beginning
ne(Insert at beginning fun insert beg (Node n, int data) { new node = new Node ();
	new node = new Node ();
	nem node => dula = dula;
	new rode ->npx =n;
	1-d-1-1-0-51-1-1-1-1-A
1_	if (n) n + npx= Xox (newned,
	n-)pp
	n z new nade;
	Irvert at end
	Jun inseatehod (Node n, int data) {
	Node new = new Node ().
	newn → data = data;
	if (!n) { nem->npx =n,
	n = newn;
1 4 3 4	1 - 1 - A - A - A - A - A - A - A - A -
	else { Node curs = n
	Node prev=NVLL
	Node pert: f
11.14	whole (XOK (prev, cus) npx) : NOLL) { next = XOR (prev, curs - 1 npx);
4	prev= curs;

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new 1 3 npx = cus; cuss -) npx = xor (pser, news);

XOR Function:

fun XOR (NODE a, Node b){

Return (Node) Wintptret)(b) r
(intptret)(b);