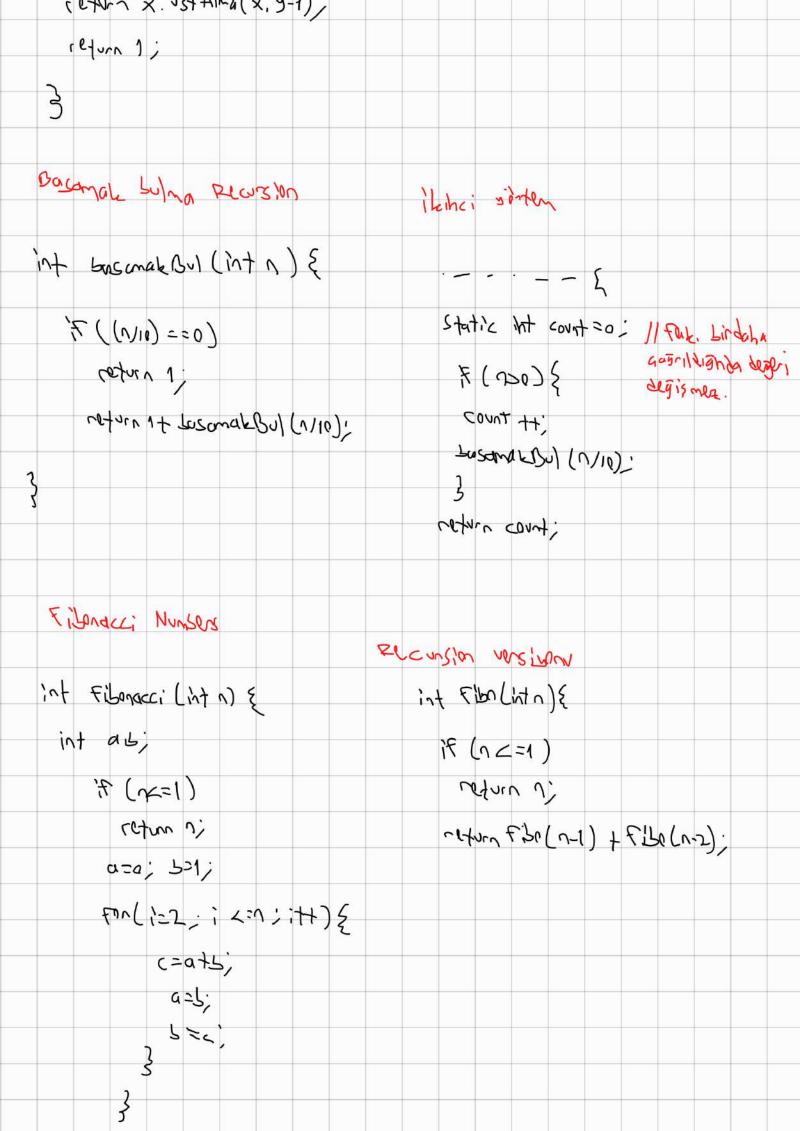
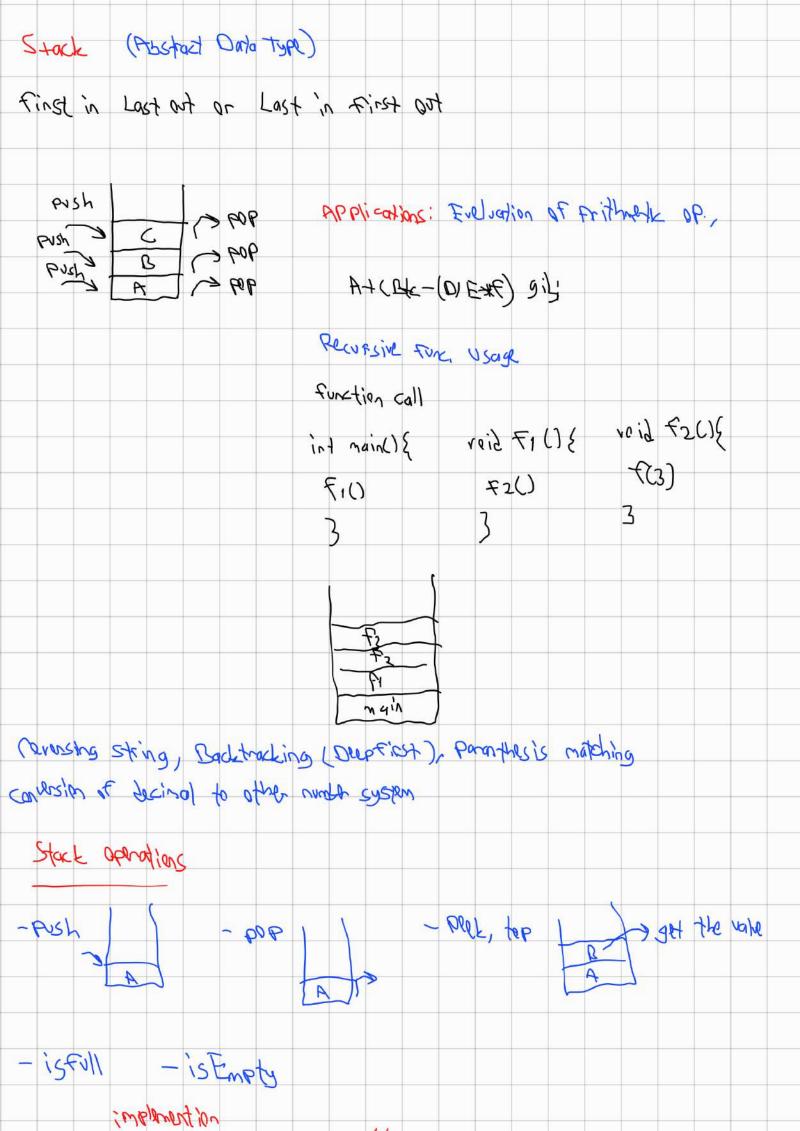
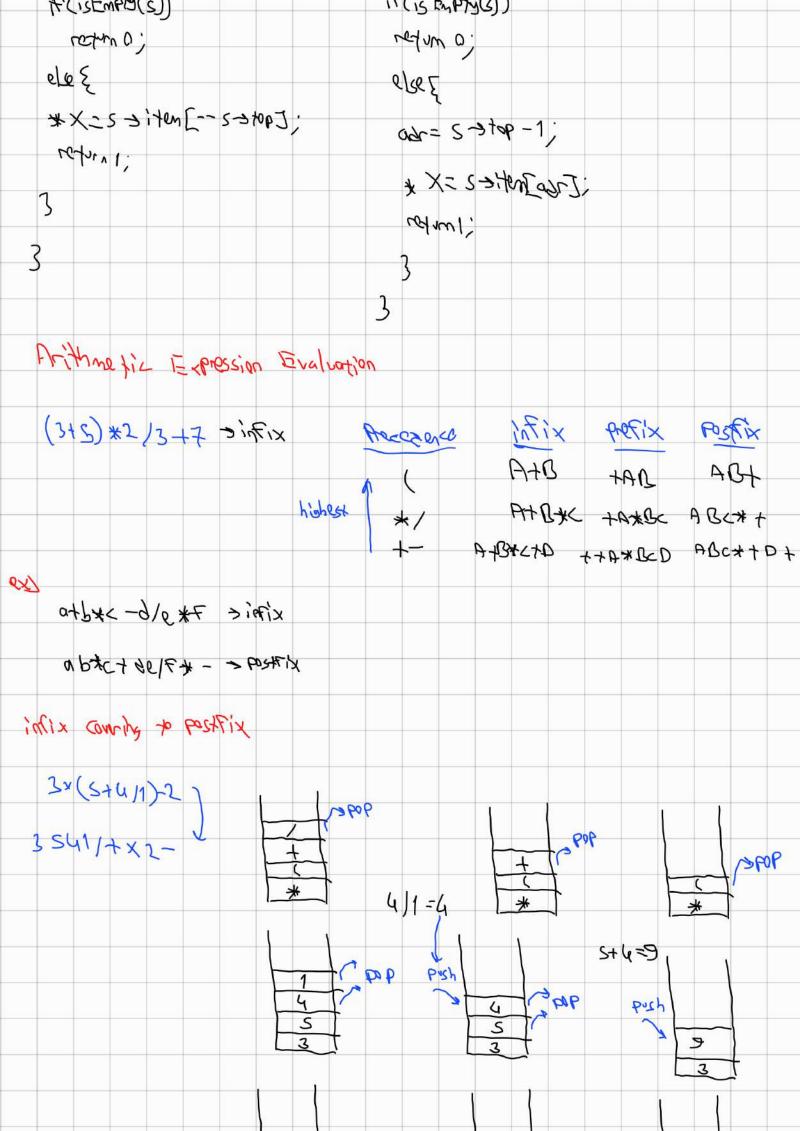


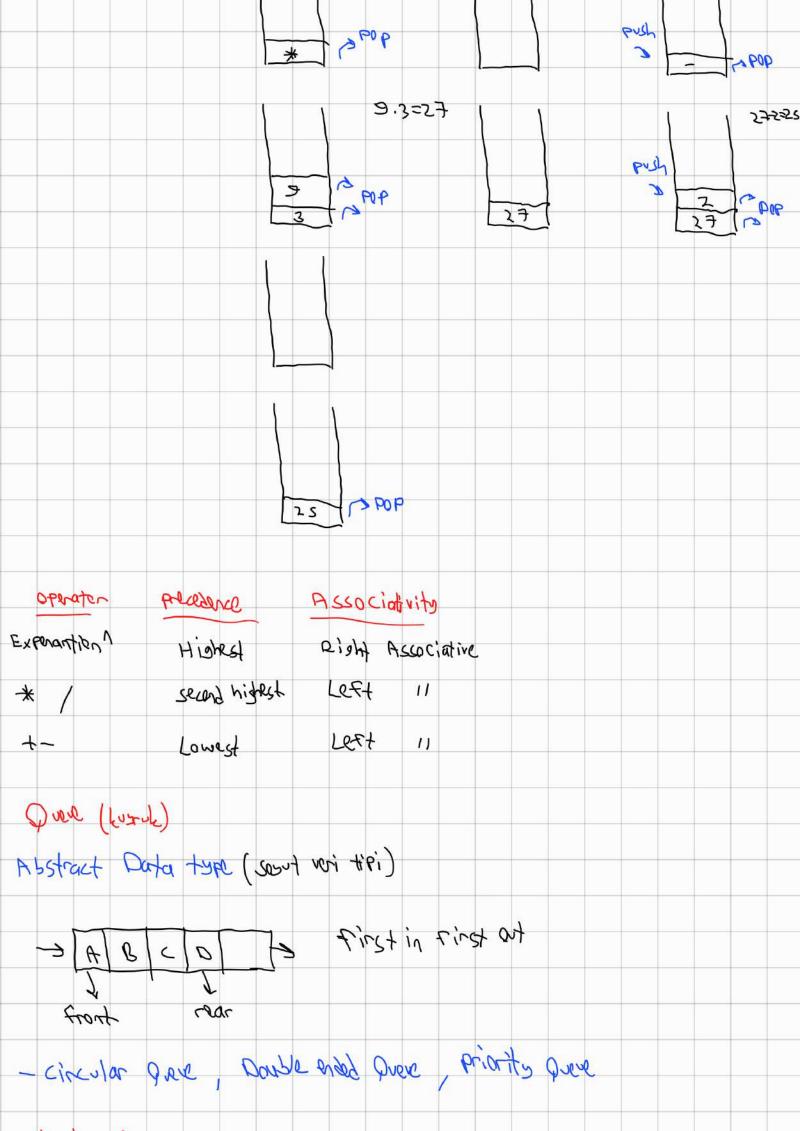
	the value	in condition			
- Teningt -		us who softs	250		when Lase care
	condition				
- code size	Iterative of	idet and s to	s Se Sigger	Recusion of code	decreases the size
- Ne temination State	Infinite La				may cause stack might crash the
- Execution	रिवशक		Jowol		
Factorial Acoran	using Recursion				
int Factorial	ζim η) ξ				
if (1<=1)	1/ base case				
Jeden 1xFo	doial (n-1);				
Z Pecusion					
int USIAlma	(Int x, Int y	) {			
'F (3>=1	)				

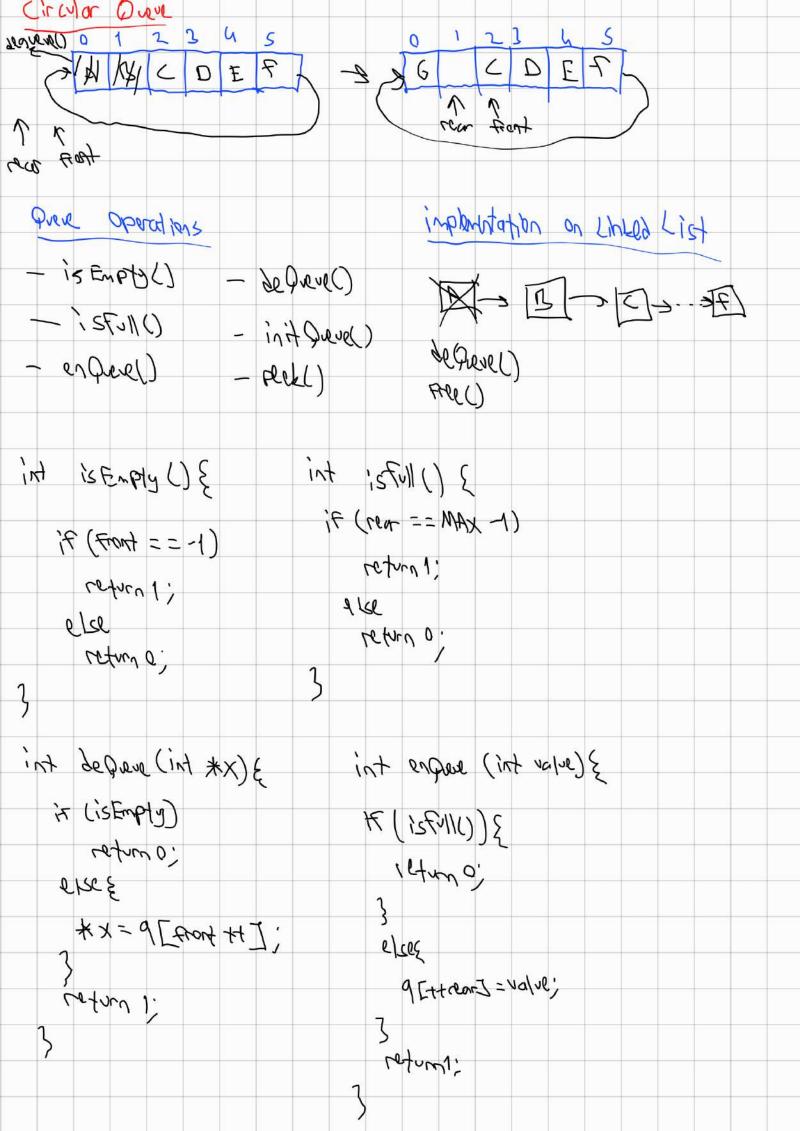


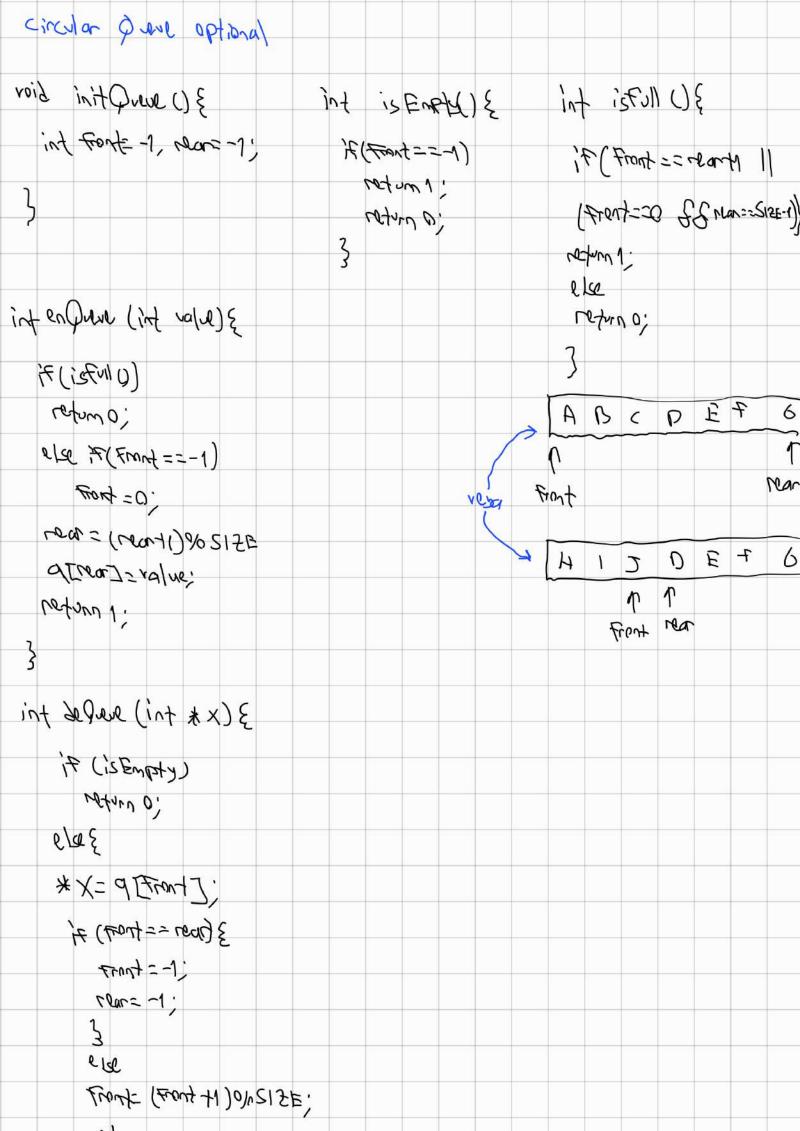


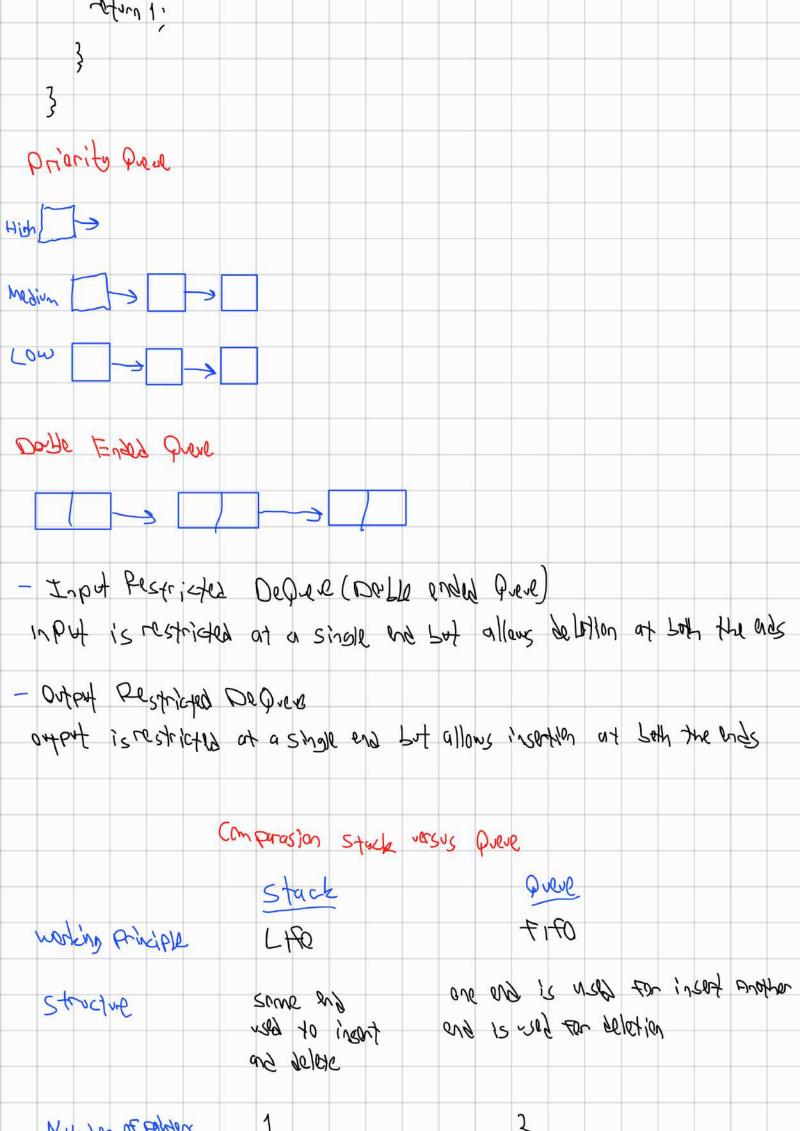
Stack -> Array Stack usage in capilors > Linked List ) a+P ( own ax (LHC)) emor Stack operations # dosine MAX 10 1012 init Stock (STACK \* S) { + + respect 5=> for =0; int iten [MAX]; int for: int is Emply (STACK \*s) { 3 STACK; ( S= 90f = 2) return o; int istull (stock \* 5) } int Push (int X, STACK \* 5) { if ( is Full (s) ) (XAM ==90 / (2) 75 coper o: cotice 1. 3 92/9 2/5 :x=[++ gote2]mx1e2 when o; copul ). int top (Stuck & S, int xx) { int prek (STACK +5, in +x) { int agr; 1011 10 10 11



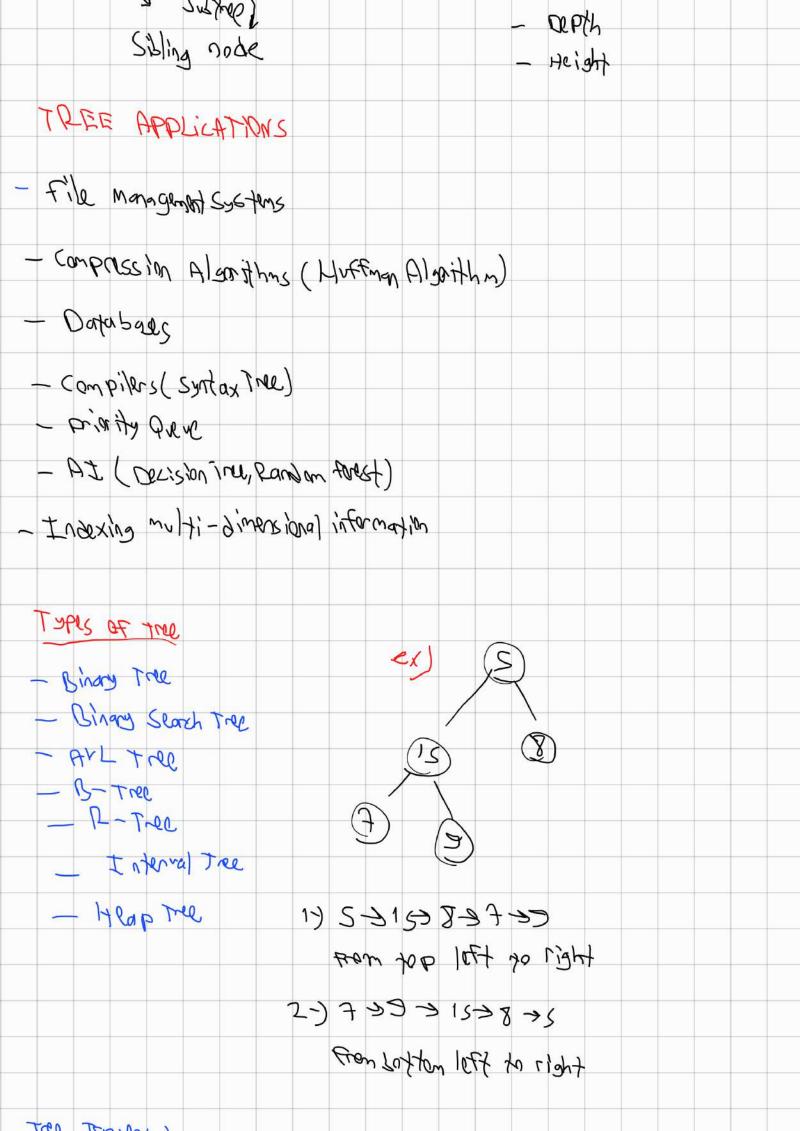








14 0 WPM. 41 1 111/47 Enquere, De quero Push, pap o touch jour circular, priority, Duble what Queve it borsn't have variants Implementation Simply Camparations complex Linear Daja structite MON-Linear (hiearchical Data Structure) Erray · Graphs Linded List Tree Stack Queil Complex Simpler implementation Single level Levels involved nulliple Level TREE DATA STRUCTURE Ternino 1099 300€ - Porth Level 0 -- . - Ref ~ Link, Bloc - paert Lee 1 13 - child E ue 3 - -- Leaf \_ subtree leaf Level 4 - Visithg ach!19 - Level Forest



" Langital - Inoder traversal - 1847 - Subtree, node, right-subtree - peach travesal > now, left-subtree, right-subtree - postorder rearesql & LEFT, right, row Inager traversal preorder francisal 8 + St 6 6516t BEPEFEZI EZ pstrat transal 7-37-315-38-75 Colles 4 (torse son toute) (struct note + root) & street node { int data; 18 (mat-= MULL) 1701 \* USON PURE Lapar ; Struct note a right; intrologal (red = 1054); to just ( , ong , , voot = gaya). soid FRE Order Traversal (street robe \* root) & 1/2 (wat== NO(5) word). Brink (1009 11, 100) > gata), per Crant Land > 1057) (tyle: 15 too) loss or or sold

