Binary Tree Sunday, 27 February 2022 10:00 AM - Dymic Data Stricture - Non-Adjacent nodes - Shink/ grow on the go. read inorde left, root, right
preorde root, left, right
postade left, right C.g.d, b, av, h, n, e MUDT Record BTNode Ordered BT. DECLARE LETT, RICHT: INT DECLARE DATA: CHAR END Record. 11 BT ARRAY DEC. DECLARE BT: ARRAY [0:9] OF BTNocle 11 Travelse the BT INORDER" LEFT PROLEDING Proneye TO (ROUT: INT)

1F BT[ROOT]. LEFT <> -1 THEN

CALL Transperso (BT[ROOT]. LEFT) DATA RILAT < Root ENDIF Root BT[Root]. DATA OUTPUT TransuIO (BT [Root]-RIGHT) RIGHT) BT [ROOT]. RIGHT <>-1 THEN -1 -1 END PROCEDURE. BT· BUTPUT STATUS PARAM CALL # 'c -> Right Left. a a Suspend Incides: outc Surted (ASC). SUPPNDED Preorde: DOIC Postordu: acb (RPM) PINISHED 3 $Q_{\mathcal{F}}$ RESUME FINISHED RESUME SUSPENIO SUSPANDER d SUZPEND Firsh Finished Resume 4 11 Insert Into BT. PROCEDURE INSERT_BT (Node Dater: CHAR).

PROCEDURE INSERT_BT (NodeDater: CHAR)

IF BTYLE = 10 THEN

OUTPUT "OYLHOW ——"

ELSEIF BTSIZE = 0 THEN

LSEIF BTSiZe = O THBN
BT [O]. DATA = NudeDates
BTGZe = 1

ELSE CN = Root 11 N=0

REPLAT

PN = CN *

IF NodeDate < BT [CN]. DATA

THEN

A Direction = 'L'

CN = BT [CN]. LEFT

ELSP

Direction = 'R'

CN = BT[CN]. RIGHT UNTIL BT[CN]. DATA = 17

BT [CN]. DATA = Node DAT IF DIRECTION = 'L' THEN BT[PN]. LEFT = CN NF DIRECTION = 'R' THEN BT [PN]. RIGHT = CN BT Size = BT Size +1

ENDIF END PROCEDURA.