1410/20 P. SAI DEEKSHITH AVI Tree IBMISCS148 meent (Node " node, lut date) if node == NULL subver new Node (dolo) one i data < node -> data Node schild = insett node schig elre data surde date rode -> Archild = & insort ( node sheight = 1 + mone (height (rode) coloild), height (node -> substall) bolome = get Bolome (node) i) ( bolome I-122 dato > node-) node = grotale (node) # left with

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if (belowe > 1 2 t dole (node) 1) (belowe >1 22 deta > node > Idrild 3 Node -> Ichi'ld = left Rotale (node->10h) node = Uf Rotate (node) seturn node Delete (Node most, Int date) ( anot == NULL) of (data < great s data) erost schold = Delete (erost s I diste else if ( data > shoot - data) groot > Enchald = Delete ( Groot - rel) if noot -> I child in NVIL & Snoot -> nchild in NVIL else 3 temp = root or child good olding

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of temp is NM terp = mod host = Nucc eve noot = temp, free (beup) 3 temp = min Value Node (suot suchild) nod > data = femp > data; groot > reduild: Pelete (not spelled)
tent solste) Just is NULL Just were smoot good she'ght & I f man (height (nost) related), height (sood > lobild) belove = get Berboure (nost);

i) (volume) 1 22 get Boloma (2000+ > (child)) nost > lahild : left-Rotale (nost > lahild)
nost = right Retale (nost) il (bolonne 71 and get Roberse ( host & ldy) noot: night Rotati (Groot) Julian root.