```
Red-Black tree Revanth. NM
1BM 18CS 081
   302 181 Mille #
                   illy having, howe I that attacking
                         1-19-34411 - 311
    insert ( swoot, Node * pt) & in
        of (noot = = NULL) section pt;
       9 (pt >data < noot > data) {

noot > left = Breut (noot > left, pt);
           hoot -> left-> parent = noot;
        elre y (pt > data > nost > olata)?
           noot > right = insult (noot, pt);
noot > right = parent = root;
                                                  ولدور
      nutuun moot; 7. 12.11.11.11.11.
                 ing water = 19 though banco
    Balance (Nood +4 root, Node *4 pt)
        Node + pount pt = NULL;
         Node + gland-paunt-pt = NULL;
        while ((pt!=twot) 44 (pt > colon!= Black) Afile
               ipt->paient->color == REDI)
             parent-pt = pt-sparent;
             grand_parent, pt = pt > parent > parent;
             of Cparent-pt == grand-paint-pt > left)
not 1. trut I place kunde pt = Igrand parent pt as swight;
                If (uncli-pt!= NULL ff uncli-pt-) color == RED)
                     grand-parent pt -> coloi = RED;
                    parent-pt > color = BLACK;
                    unch-pt-> color = BLACK;
pt = grand-parent-pt;
    Mus Itwovs My
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Revauth. Ny else t & CPt== parent. pt-shight)? 18M18C 5081 notateleft (noot, paunt-pt); pt = parent-pt; Pacent pt = pt = pacent; COM DIANIE The Minister (Livia = Typus) 15 Ivotate Right (root, gland-parent-pt); Swap (paunt-pt > color, gland-paunt-pt > color); the half the hari pt = paumt-pt; to the sucy of the stand (otobo & hours stroke to be mys if it house I have it - tipes to be else Mode * unelle - pt = grand-paient- pt => left; & (Cunch-pt!=NULL) 12 (unch-pt -> color == RED)) { grand-paunt-pt-> color= RED; parent - pt -> color = , Rt Ack; euncle-pt-scolor = BLACK;
pt = grand-paient-pt; else R diola : 6 10100 (197) +2. (1001) =1 193) Julia of (pt== parent-pt-sleft) notatikight (noot, paunt-pt); pt = paient-pt; ? Parent-pt = pt sparent; notateleft (noot, grand paunt pt); Swap (paunt-pt -> color, gland-paint-pt-scolor)i (a) pt = parent-pt, july 1/9 lows) (1) I = rate) = 19 Lump bour 1.11(1)8 = 1.200 = 19 Tremog 20018 = 10/00 (- 19 - N) me Revouth.NM