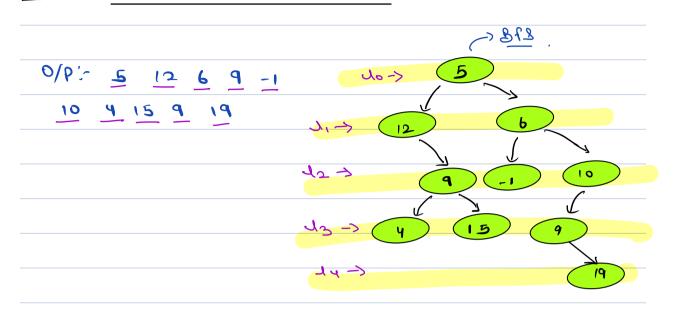
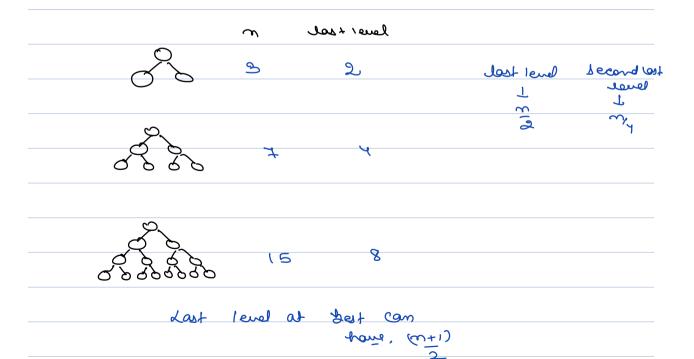
Today's content >
Level Order Traversal
Left wiew & sight wiew
Veutical Level Order
Top wiew & Bottom wiew
Types g b. T.
check Height Balanced

## 0) Level order Traversal



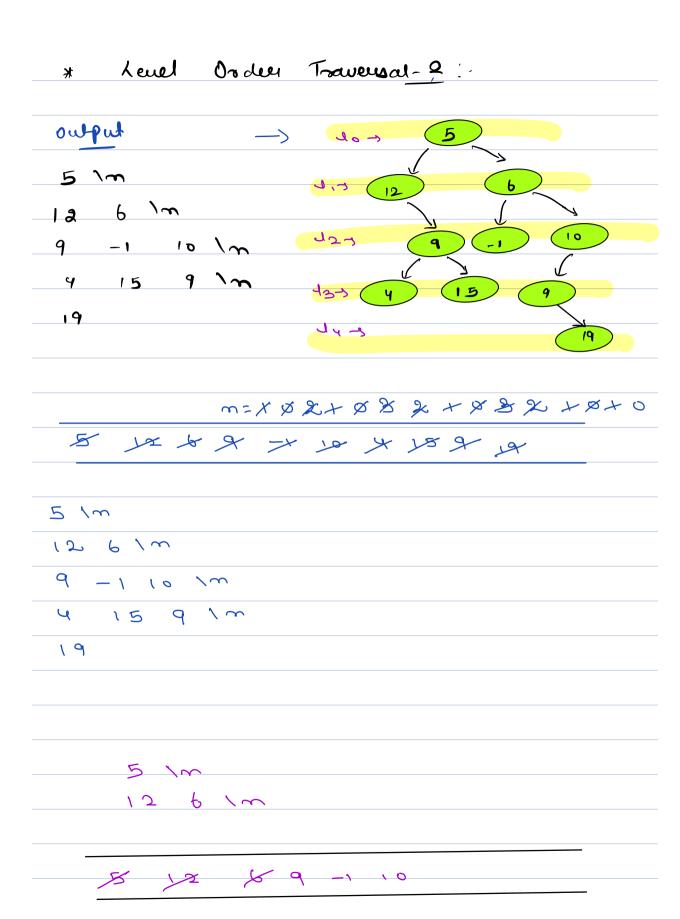
## 8 y x x y -1 10 4 15

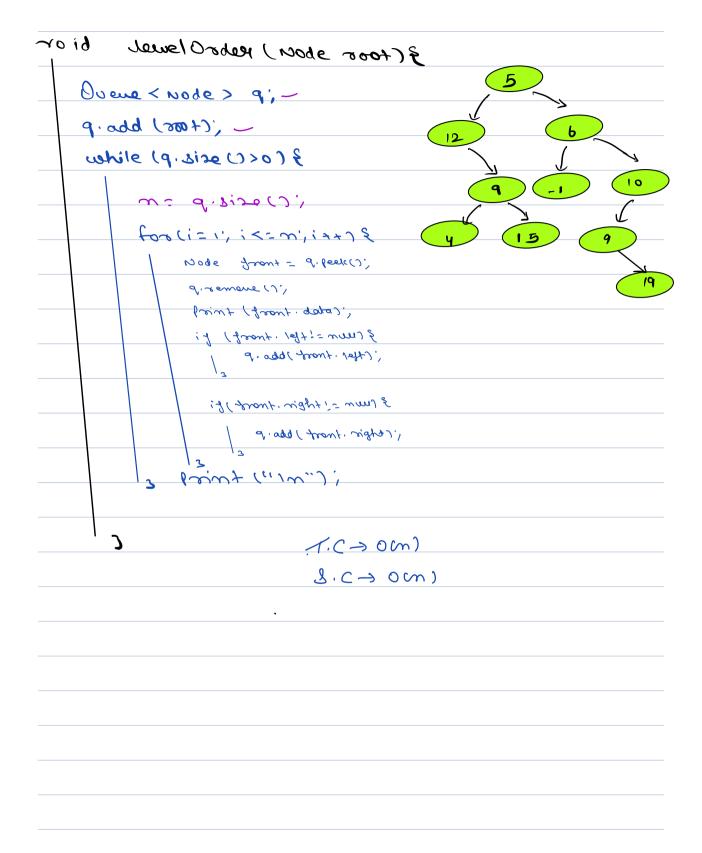
In the last level approan

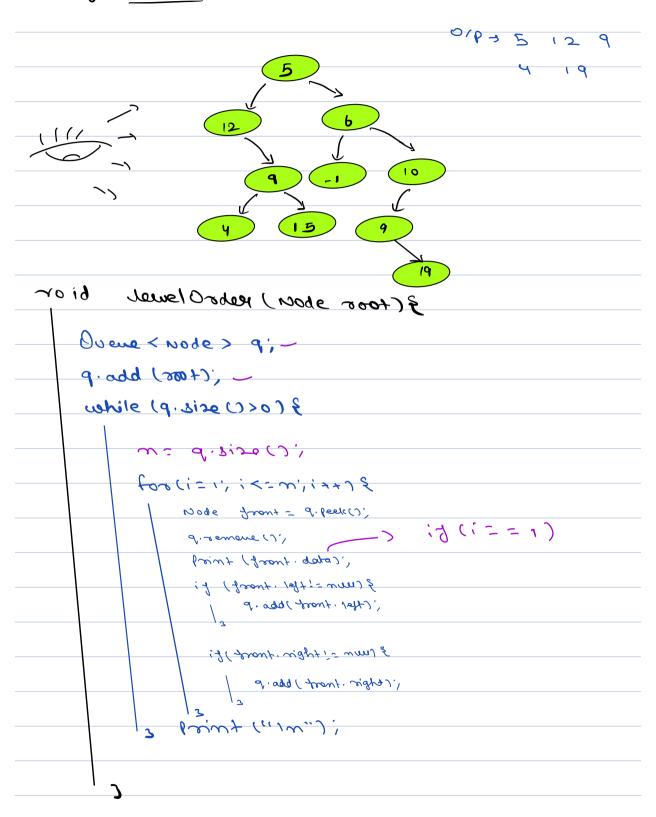


of elements are there,

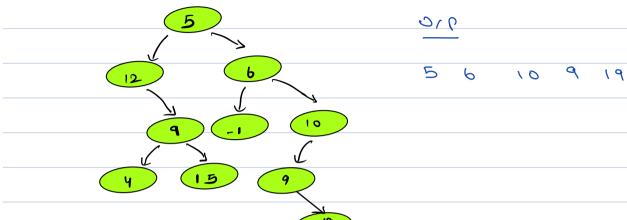
3 (toor show) reshallsuch bion
Overe < node > 9;
9. add (200+); -
while (q. size ()>0)
Noge front - dibergico.
d.esmons ().
Print (front. data),
3 (nont: 181; = non) &
9. add ( front . left);
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
if ( growt. vight ;= mm) &
q.add (tront, right);
\_3
1 3
1.C-> 0(n)
Maco 3 m + m
8.C2 O(W)







## Right wew: -



3 (toos show) respondement bion

Ovene < node > 9;-

9. add (200+); -

while (9. size ()>0) {

m= q. size ();

for (i=1), i<=m, i+1 &

Noge front - diferril. d. semons (); (!==w)

Print (front. data);

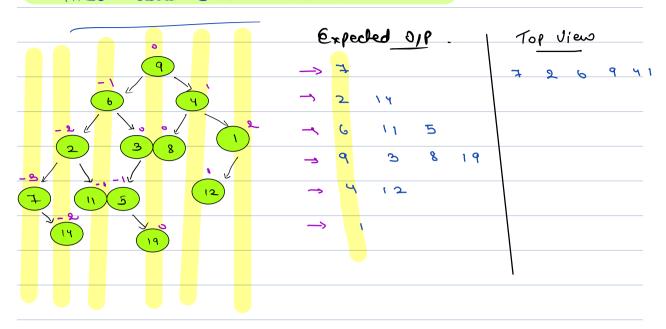
3 (tuen = 1 + tp1 . + most) };

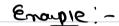
g. add front. 1eft);

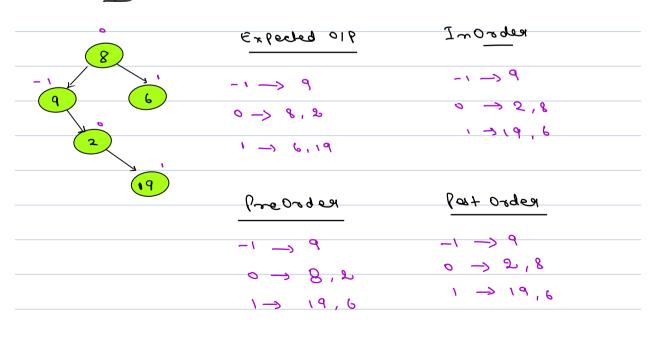
3 ( front. right != noul &

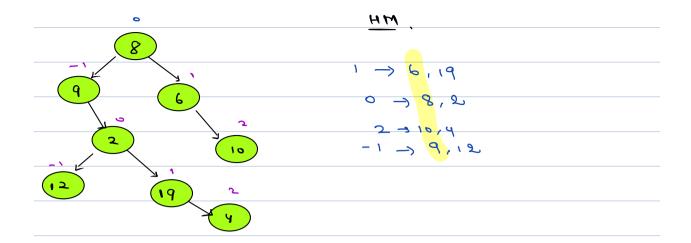
d. agg ( front. sidy)!

Print ("In");









## (8 pt 19-1), (but (2 pt (10-12) (12-17) (19-14)

(4,25

for (i= min 2; i<= mas 2; i++) {

| hm.get (i);
| 3

class fair &

node tist,

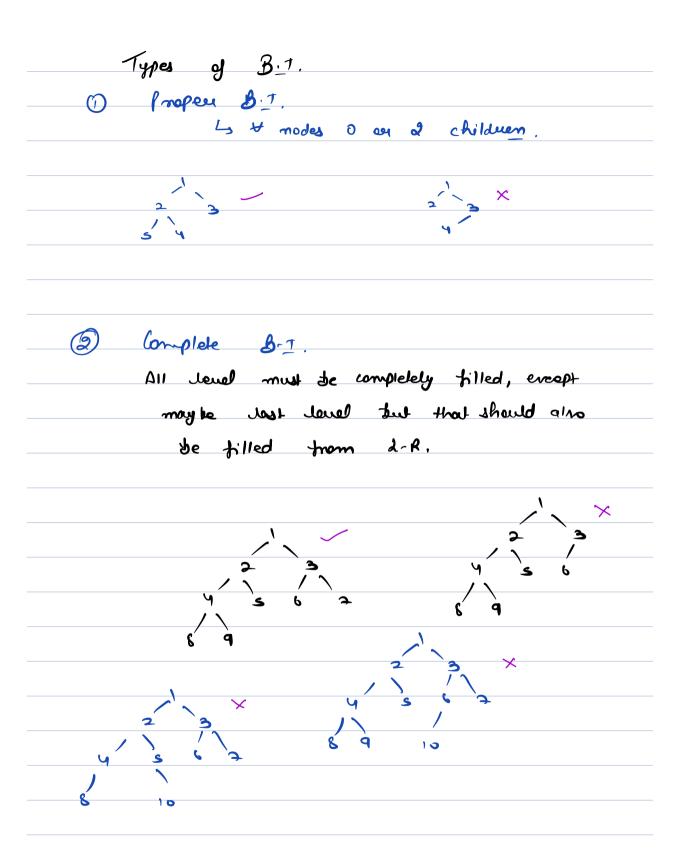
int second'.

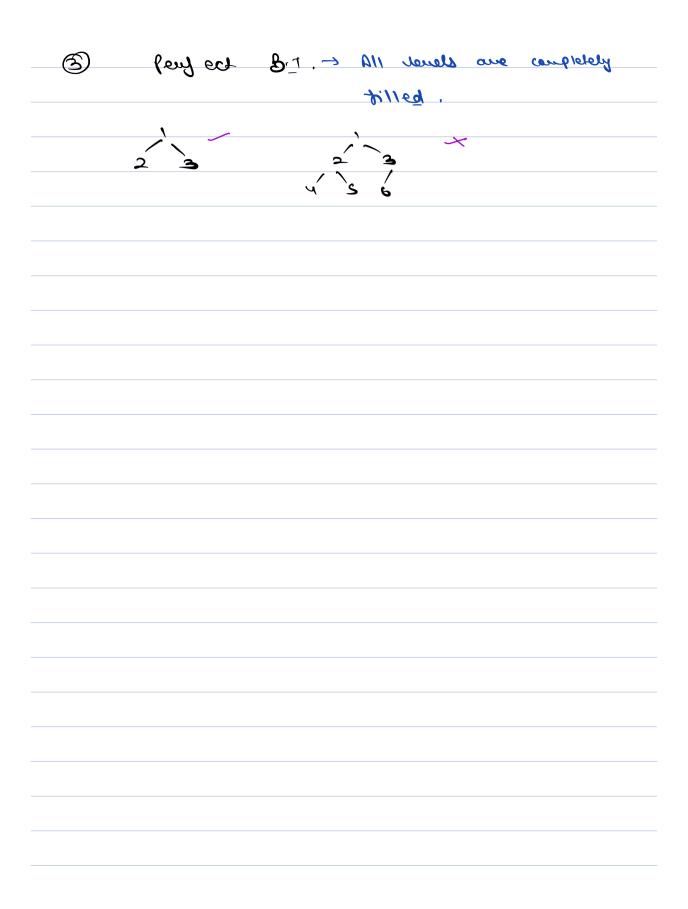
class Pair (my) &

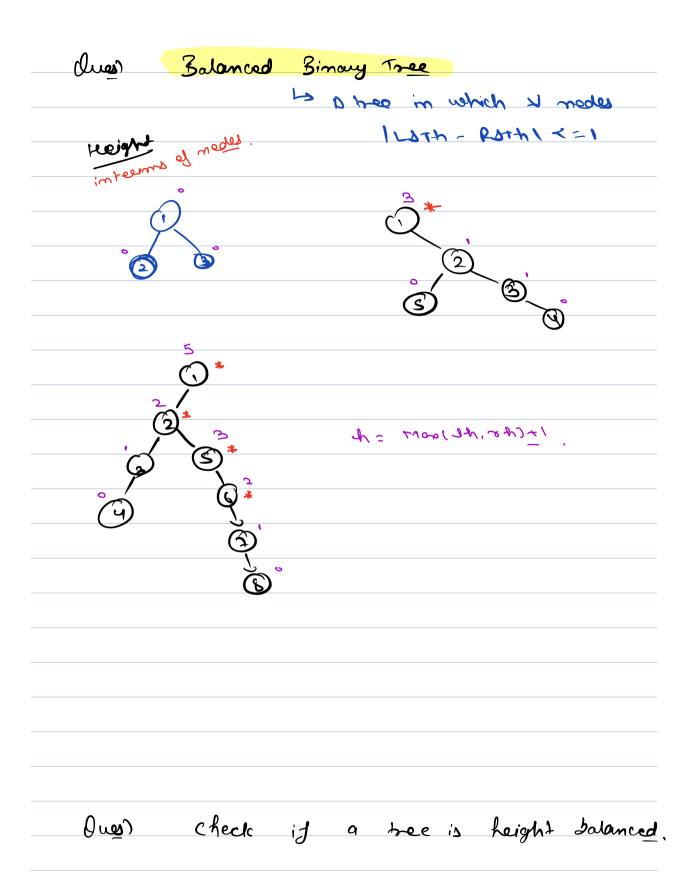
thint = x', Jecond: y

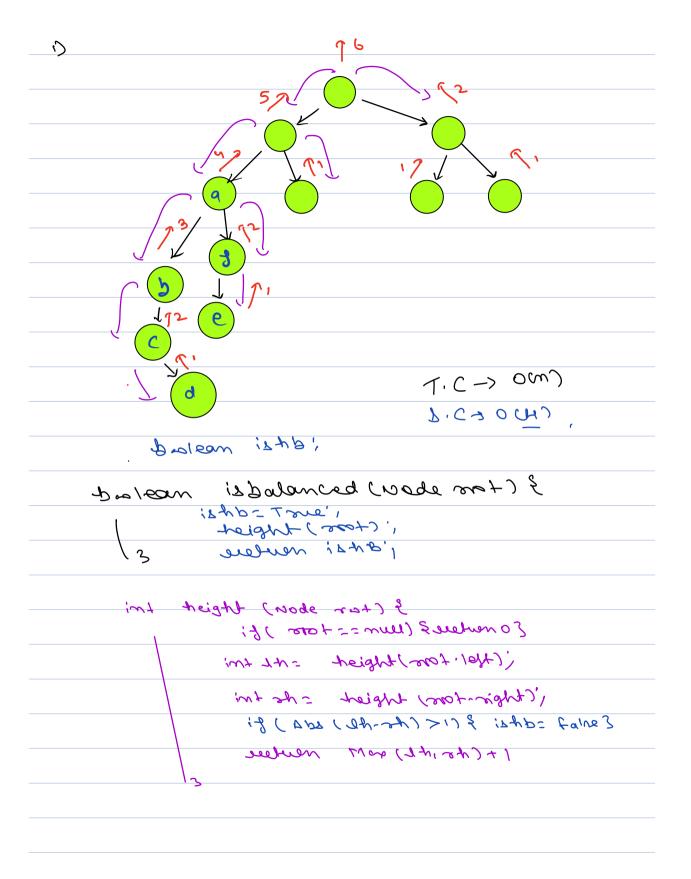
3

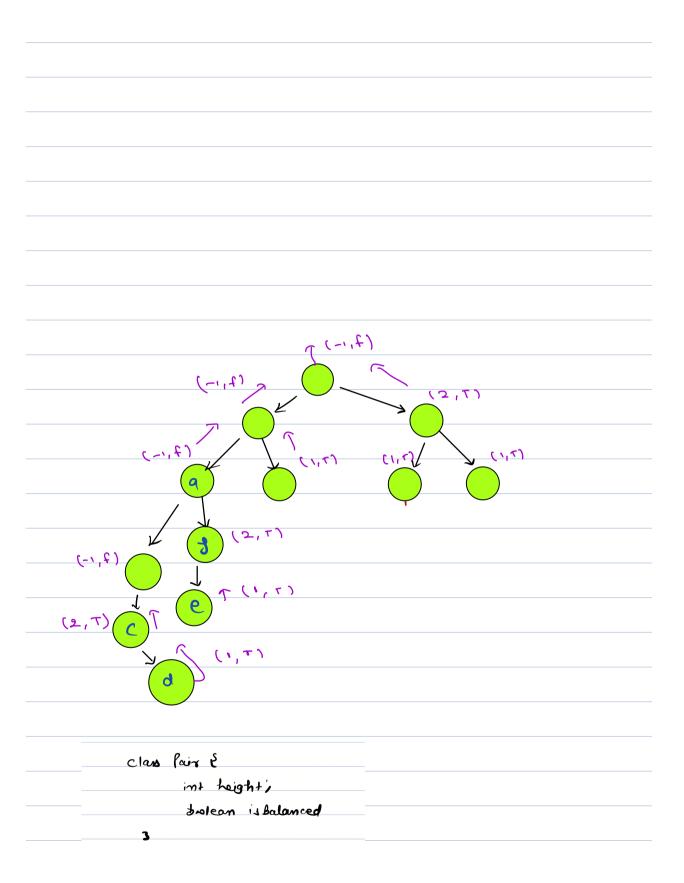
```
HashMap <int, List <int>> hmap;
Queue ~ fair > q;
  int min L=0, more L=0:
 q. meet ( new fair ( xoot, 0)),
 while (9. size () >0) {
   love 4 = d. front ();
       q. rem ene ()',
         sode t= fitist; (Inode
          int 1 = g. second; Mevel,
          ((doom, b) oom = doom; (d, min b), moo b= moo (d, moo b);
            hm [1]. add (E. ual)
         if ( tilgt ! = mull) &
              q.add (new pair (tilet, J-1));
            13 (t. night! = nell) &
                 q. add (mew pair (tinight, U+1));
                  Break - 10:17 - 10:2xpm
                                for top view,
       3
      tor (i= mim b; i <= man b; i+) &
```











3 (toro show) besnolode: lad
, besnoloddi. (+018) reglat neuter
13 1, C -> 0 (m)
\$,C3 OCH)
3 (tons about helped (node root)
[(suntio) ried were newles & (mm == + cos) };
( '( tfol: 6000 ) respent = 90 oing
(exper. toos) restor - de sind
if ( sp. is balanced = = false 11
\$ (subdanced== false) &
; (shot, 1-) viag cum newless
حر ا
8 (1 < ( theight - of theight ) 21) &
Jeeleven new pairs (-1. fake);
eine &
, the just ge ) ried an new est.
(enet, 1+ (the best gas)
3
1 '5 ,









