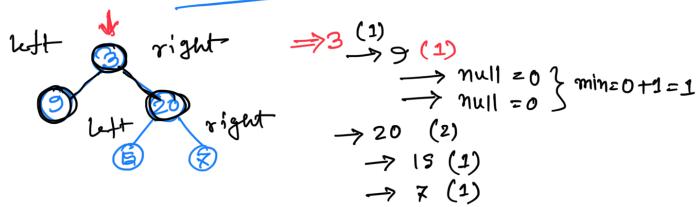
## Minimum Depth Binary



## Test Cane 2

return Mater min( mindepth (root, lett), mindepter (root, right)) +1;

root== null

# 4



if (root. left == null & root. right!=null)

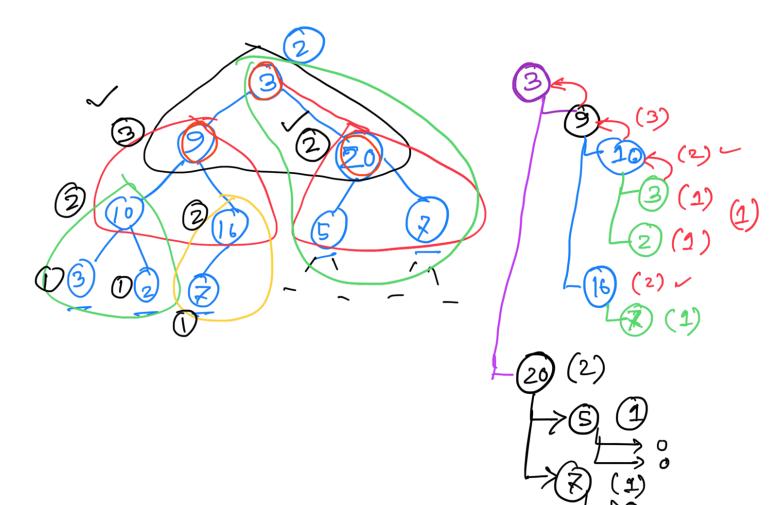
ret mindeptle (rost. right) + 1;

# \$ 3 \(\bar{\xi}\)

root. Left 1= un11 00, 12007. right 1= uu11

ret Mater min (
mindepth (root, left)

mindepter(root, right) +1



Using Stack

```
Stack
                                                  Min = a
                         Min = 3
                                    3 15/, 3
     Pairs?
                                                     > 20,2
                                                               min =3
                                        (20,2)
       Trechode node;
                                        (9/2)
        int depth;
                                                                min = 3
                                                    >9,2 min= 2
      public int mindepter (Tree Node root) }
              if (root == null)
                   return 0;
            int min = Integer. MAX_VALUE;
            Deque (Pair) Stack = New Array Dequeve <> ();
            Stack · push (new Pair (root, 1));
            While (! stack. is Empty()) }
                  Pair pair = Stack, pop ():
                 Treepode node= pair. node;
Ziven the last
                 int depth = pois depth!
                 if ( node left == null && node right == null)
                         it (min > depth)
min = depth;
                 if (node, left != null)
                    Stack push (new Pain (node left, depth +1)).
                 if (node right != null)
                    Stack push (new Pair (node right, depth +1)).
          return min;
```