Jetf Niem:

We want to traverse the tree and print the lest most node at each level.

Let i be a level in the tree that we just entered We need to make still that:

(x) we know if we already printed some hode in level i (xx) we printed the left most node in level i

We can accomplish (xx) by giving advantage to the left subtree, therefore we'll make the first recursive call to the 1001 = 111 to the 18xt subtree.

We can accomplish (x) by maintaining two variables max-level and curr-level.

curr-level is the current level in which we are.

max_sevel = { ne INU 20} for any level i of 6: in level i sinted a note dien's print any nese on level is

Assume curr-level = 0

max-level = -1

left View (+, curr-level, max-level): 1 + G's root = + */

1. if r=NIL then return max-level

2. if max-level < curr-level then do: Here first entered to 2.1. Print Key[r]
2.2. max_sevel < curr_level /* 4pdate max_level */

3. max -level < left View (left [r], curr-level+1, max-level)

4. max-level = left View (right [r], curr-level +1, max-level)

5. return max-level

1x after 3 max_level may be updated so we get the updated value and use it in the function parameters at line 4.

at line 5 we're maning stre to return the updated Valle Of