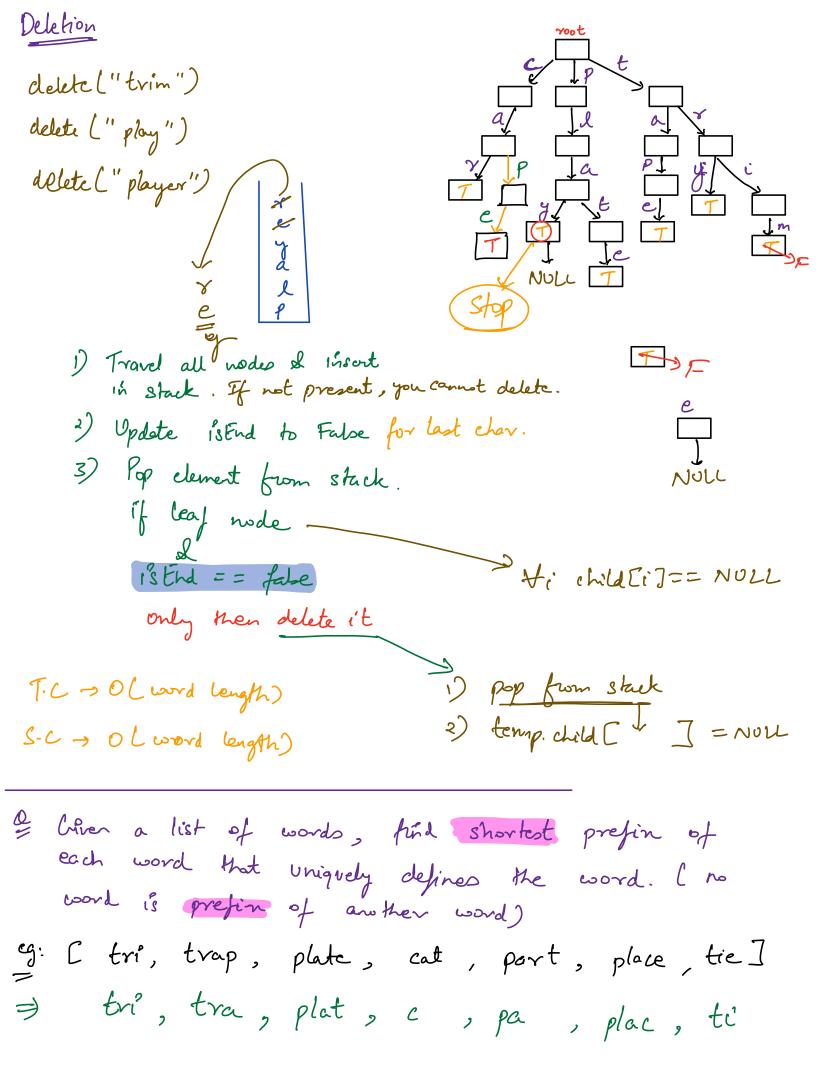
Welcome @ Agenda: Tries Operations 1 9000 M Tries / Prefin Tree. =) Best used for strings, tent => Tree like Dis that stores data from top to bottom. Auto complete Tries of choracter (a-z) Spelling checker class Node & boolean istend 3 Node child [26] b => 1 C => 2 => mitally ti, child [i] == NUIL Visualize D tape 2) try 3) trim plany plate player.

Operations 1) Searching D tape 2) try 3) trim 4) play 5) plate 6) car 7) player. If all the characters are not search ("cat") traversed -> not complete -> word Search ("try") search ("playe") = If all the characters are present (travened, even then you need to cheek is End of the last travelled node. If true, then word is present. - If all the characters are present (travened, it is either present or it is a prefin of some other word. Code booken search (root, word) & temp = root T.C > O (word length) for (in o to word-length -1) درا ال و ع ch = word [i] if C temp. child [ch - 'a'] = = NULL return false temp = temp.child[ch-'a'] return temp. is End

```
2) Inscrition
    tape
  2) try
3) trim
  4) play
5) plate
6) car
  7) player.
    insort ("cape")
           void. insert ( root, word)
                                                    Tic ( word length)
         & temp = root
for (i-) o to wordilength -1)
               ch = word [i]
               if C temp. child [ch - 'a'] = = NULL
                     temp. child [ch - 'a'] = new Node ()
                temp = temp.child[ch-'a']
            temp. is End = true
```



class Node & int freg 1) trades > store # times that node is travelled while inscring / traversing ! ! 2) Travel the word till the a node with freg = 1 is reached. S.C -> O(N # length)