spellig 0(n * 1) * 9

Autocomplete

Tue

(I prefix-tree

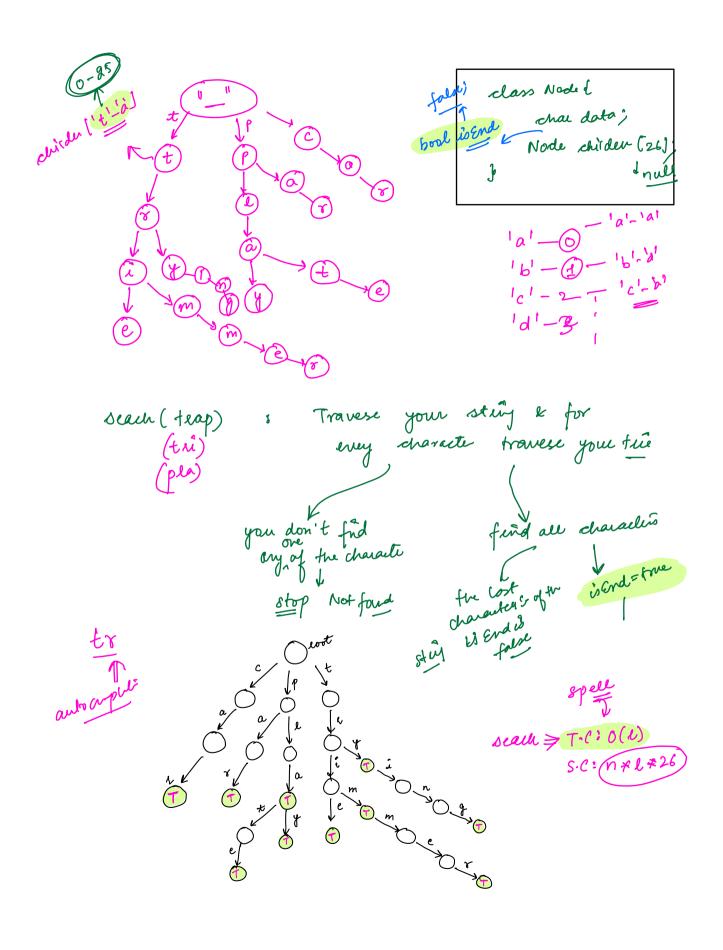
information refrieval

Tree view data-structure which stones for data from top to bottom

Trie Try Tein play plate car par trimmer teying pla

left right

deta ,



```
word is present inultigle times [
#
                                   class Node &
                                        char dato; pool is End; Int freq;
                                        Node childen[26];
               void useit ( evot, word)
                           int l= word. leftn();
                          for ( mt i = 0; i < l; i+r)

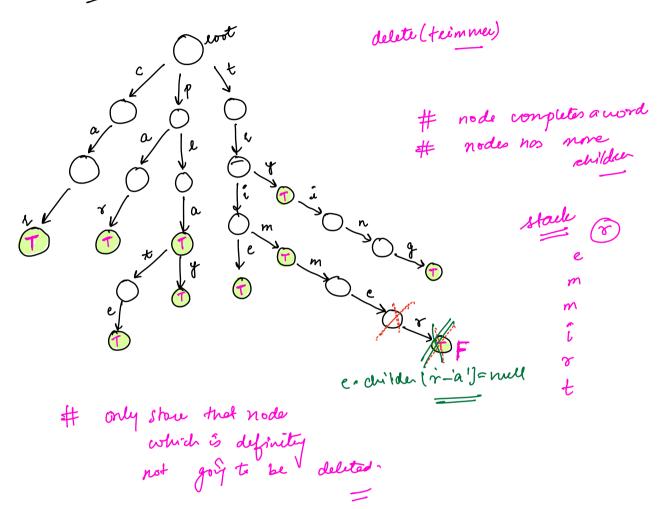
d

mt idx = wrd(i)-'a';
                                  if ( eur-childen [idx] == null)
                                    currichilden (1dx) = new Node (word (1));
                                  cur = curro shi dulida);
```

7

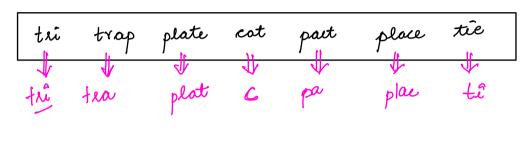
curre freg ++; Il cum is End = ma;

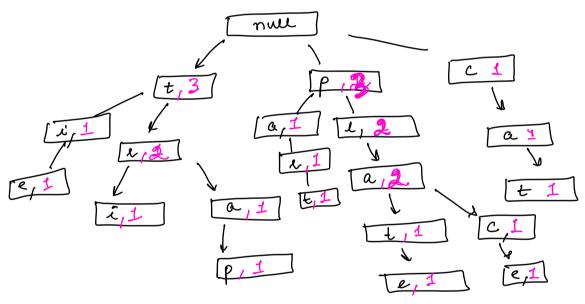
deletion



Of Find shortest unique prefix to represent each word.

Note: Assume that no word is prefix of another In other words, the representation is always possible.





If if a stip is prefix in how may deffer woeds

