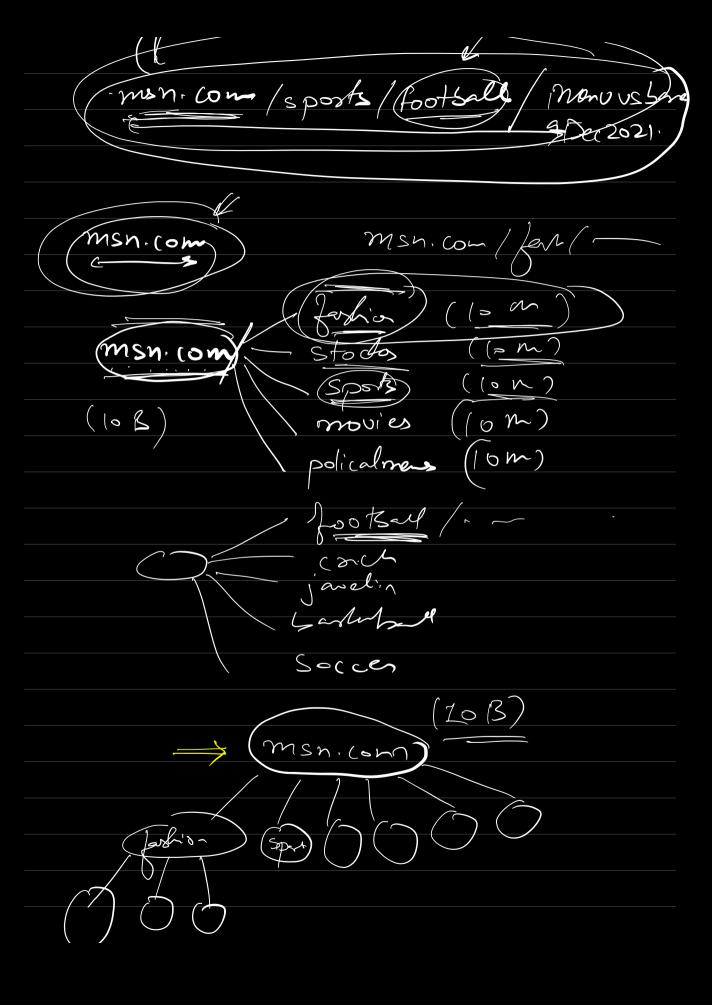
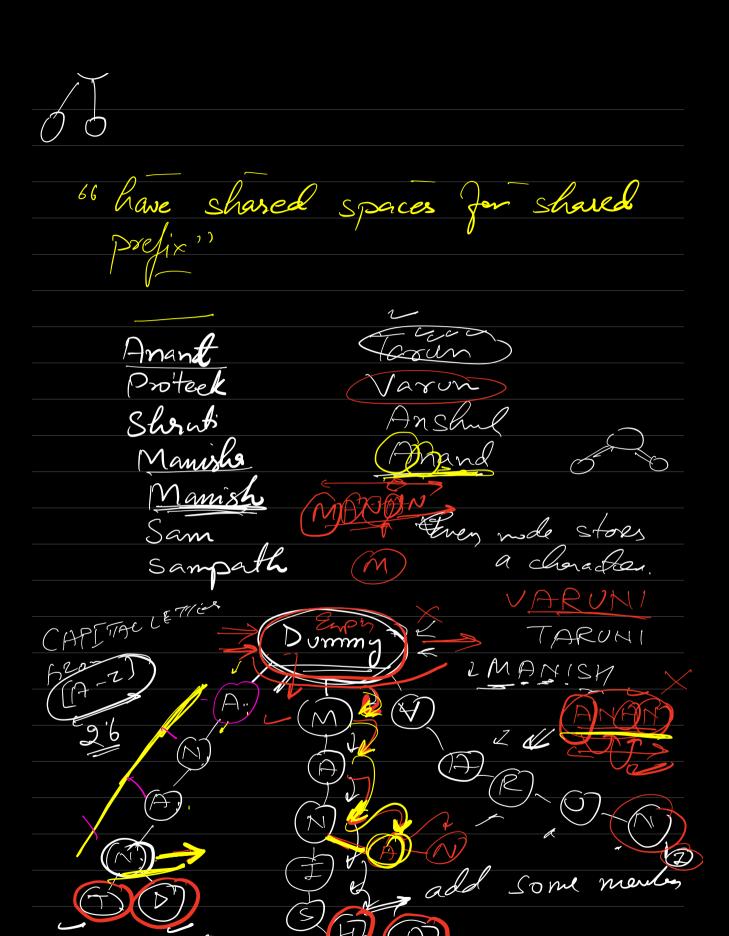
7 nie
→ dree like structur
re TRIE val
re TRIE val by helps to optimize retrieval.
Design a web craples,
Google => search engine
(footsell)
Reverse ander
E SEL TE
Bosts Fosts - Wes

Leo7RALL





Structure of a Trie Node Trie Mode d char c bool is Endi hach oway 9 size NUL \$ E F - - - x \ ASCUAD (S) - O B (6h)-65 1 C 67-65-> 2 S = 23-83 E 68-65 -> 4 Asu, Char - ASCII of (A) (26)

S-3A), S-3B... 2-32

Value > (has TrieNode Stoucture Trie Node 1 chois C; Sool is End) Map ( Char, Trie Node > children; Search search (not, str) d if (not == null) d retur Julse; for (c 3 sto) d

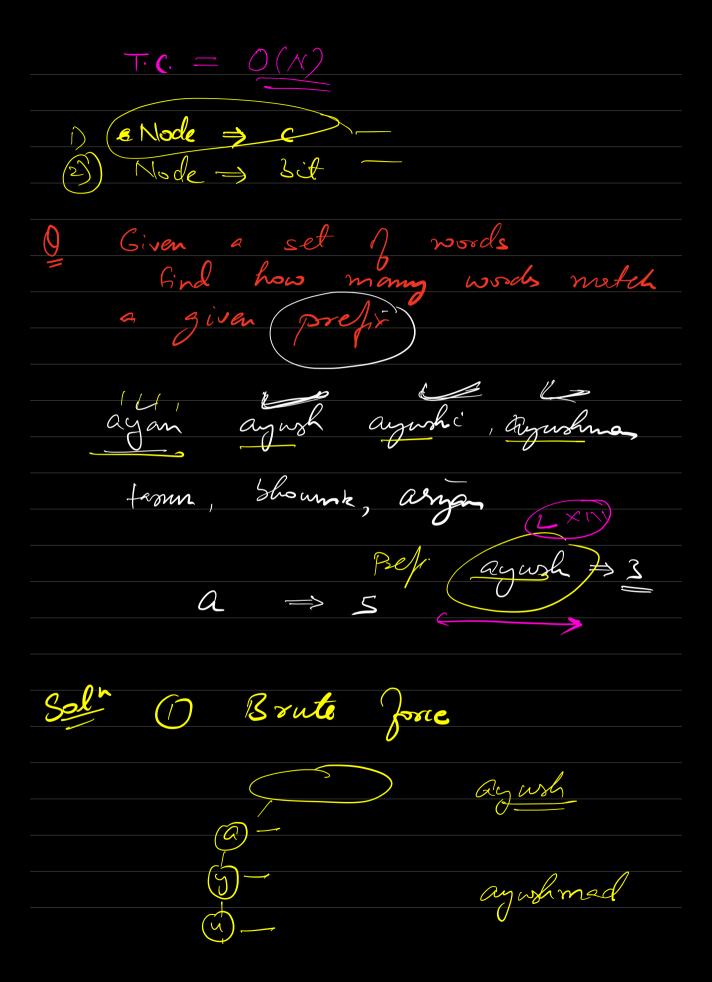
if (post. childsen. contains (c)) {

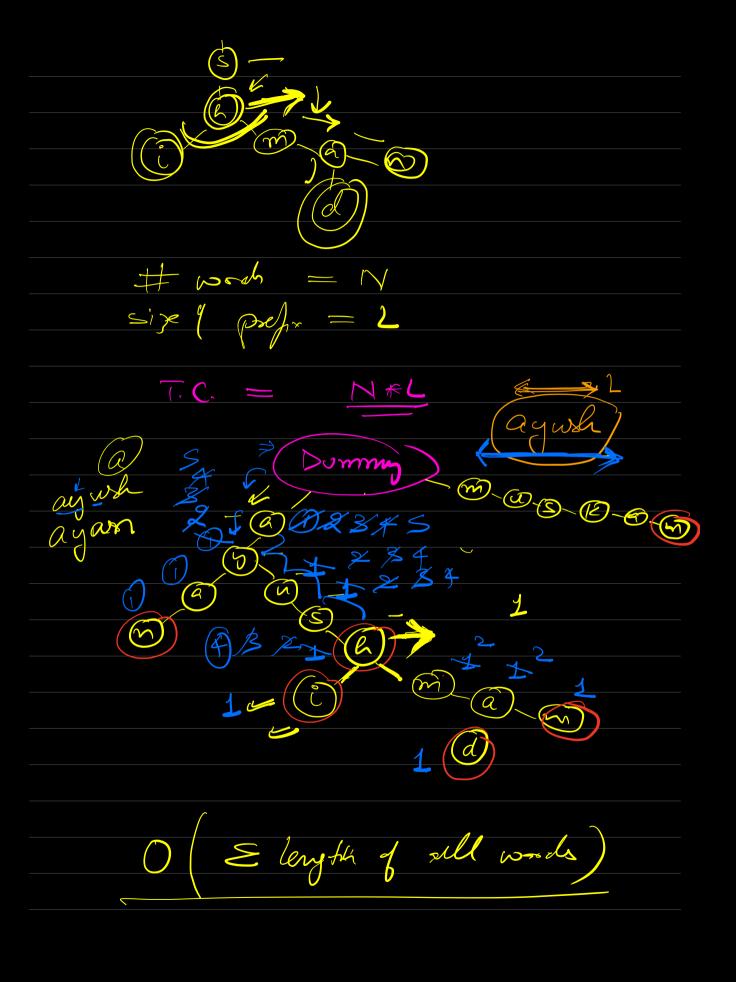
return Jelse; not = not. children [c]; il (not. is End = = Tome) d

return true; setum Jabre; L=Length of word to find.  $T \cdot C \cdot = O(L)$ 9= mert ?? Insert ( not, str) & for (ce str) d

if [not. children. contains (c))d

noot = noot. children[c] continue, Trienode temp = new TieNode() temp. char = c; noot. children.add (c, temp); not = temp; poot. is End = true; d(N)





Trie Node & de is End Mag C int counter = 1; 8>>>>> a set of words. Giva

namy words contains a Store woods in a reverse rode, perefy = reverse of Given an array of words. A = \( "dog", "zebra", "duck", "dawn" \\

Replace every word with fee \\

smallest unique profix.  $dog \Rightarrow do$ 

