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dummy of the state of the state

Googh Seach

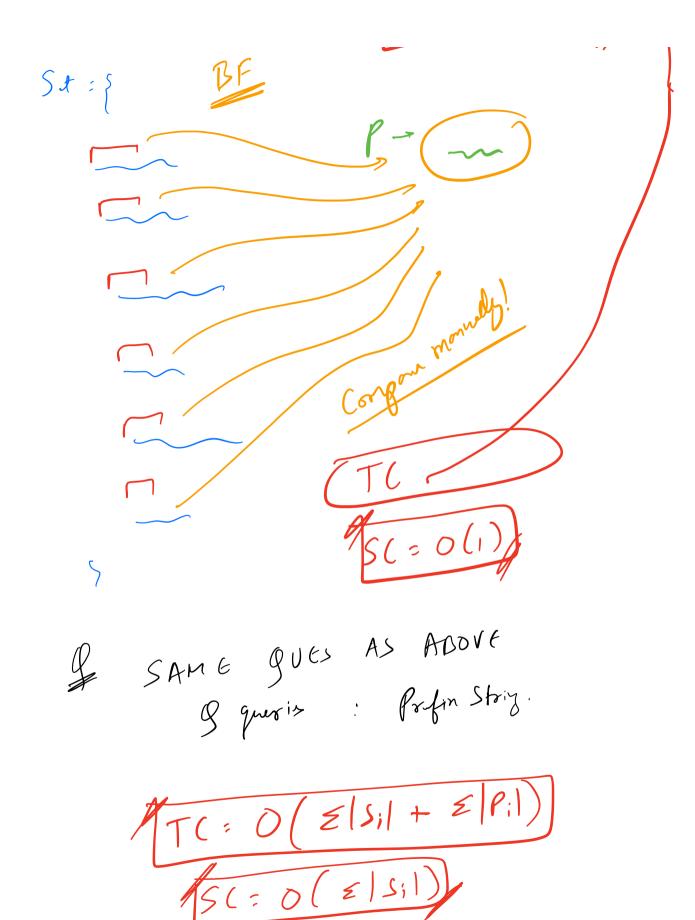
10t s

- Menony friendly when data his common prefixs - Searchy is faster! Trie Not } High May < char, Tric Nobe > child; bood is End; (a) Insert a string in a trie Void insert (Tric Nobe root, strings) { ch, } {
Tric Nobe cur: root { (1=0) i< S. Size(); i++) {
 char ch = S[i7; if (cmr. child. find (ch) == fabr) { cur. child [ch] = new Trie Note (); cor = cor. child [ch]; _ our. ut++;

cur. is fud = true; TC= O(151) (i) Church if a string is present or mot! bool chuk (Trie Nole root, striys) ? TrieNole Cur: rost; f(1=0; ix s. size(); i+1) {

that ch = s(i); if (cur. child. fird (ch) == folis) { TC: 0(151) cor: cor. distel (ch);

Given a set of words of a prefix striy. How may words from the set mosted with the prefix striy. S: [van, van, vahul, sonar, sonar, Kite] Trie Nole E jut aut; total # chas in 0(E/S;1) prefin -> 9(1P1) T(: 0(= |si| + |P|) 1S(= O(E|Sil)



SAME GUES AS ADOVE. Given a suffin story S. Cherk how may wonds have s as sufficient Set = [hanshu, tashu, himashu, rahal]

For each word, tell the shootest profin that an uniquely identify that word! Given a set of words. NoTt: No word is a prefin of other woul! 1/P S: [dog, Zebra, duck, dawn, dawood], ofp do", "z", "du", "dawn", "dawo"] TC = O(E|Sil)