Trie

→ Longest Common Prefix

Babbar

L→R

Babbar

suffix

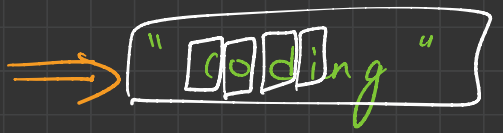
i/p

arr → { "coding", "codezen", "codingninja", "coders" }

0 1 2 3

any → cod

string



arr

"codezen"

"codingninja"

"coders"

First String

any = "" → cod

Approach:- #1

→ take first string

⇒ character

compare

remaining string

character match

ans me add kro

aage badho

not matching

Ruk jao

Length → M

no. of st → N

T.C → O(M*N)

S.C → O(1)

O(M)

#2 → TRIE

(I) → insert all string into TRIE

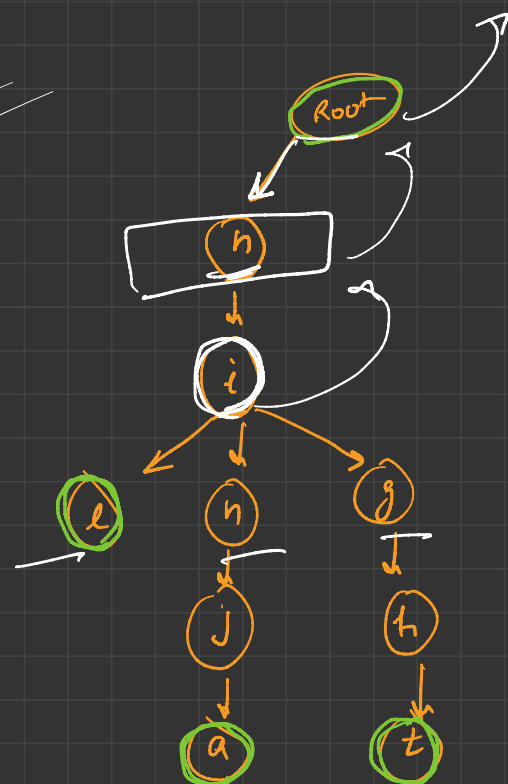
ninja

night

nil

ans = ni

$O(1)$



ans = ni

n, m

T.C → $O(m*n)$

S.C → $O(m*n)$

childCount = 1 → false → return

↓ TRUE

ans n add Krdo