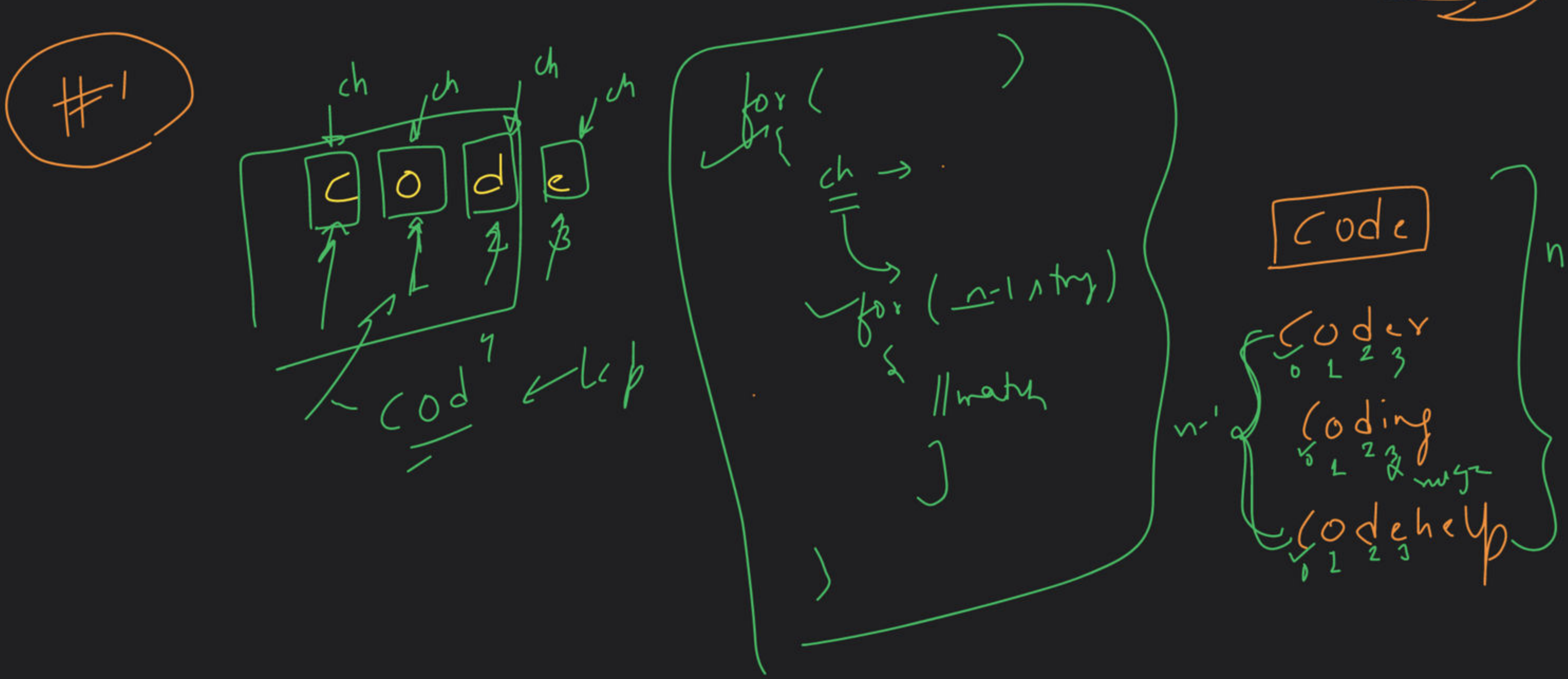
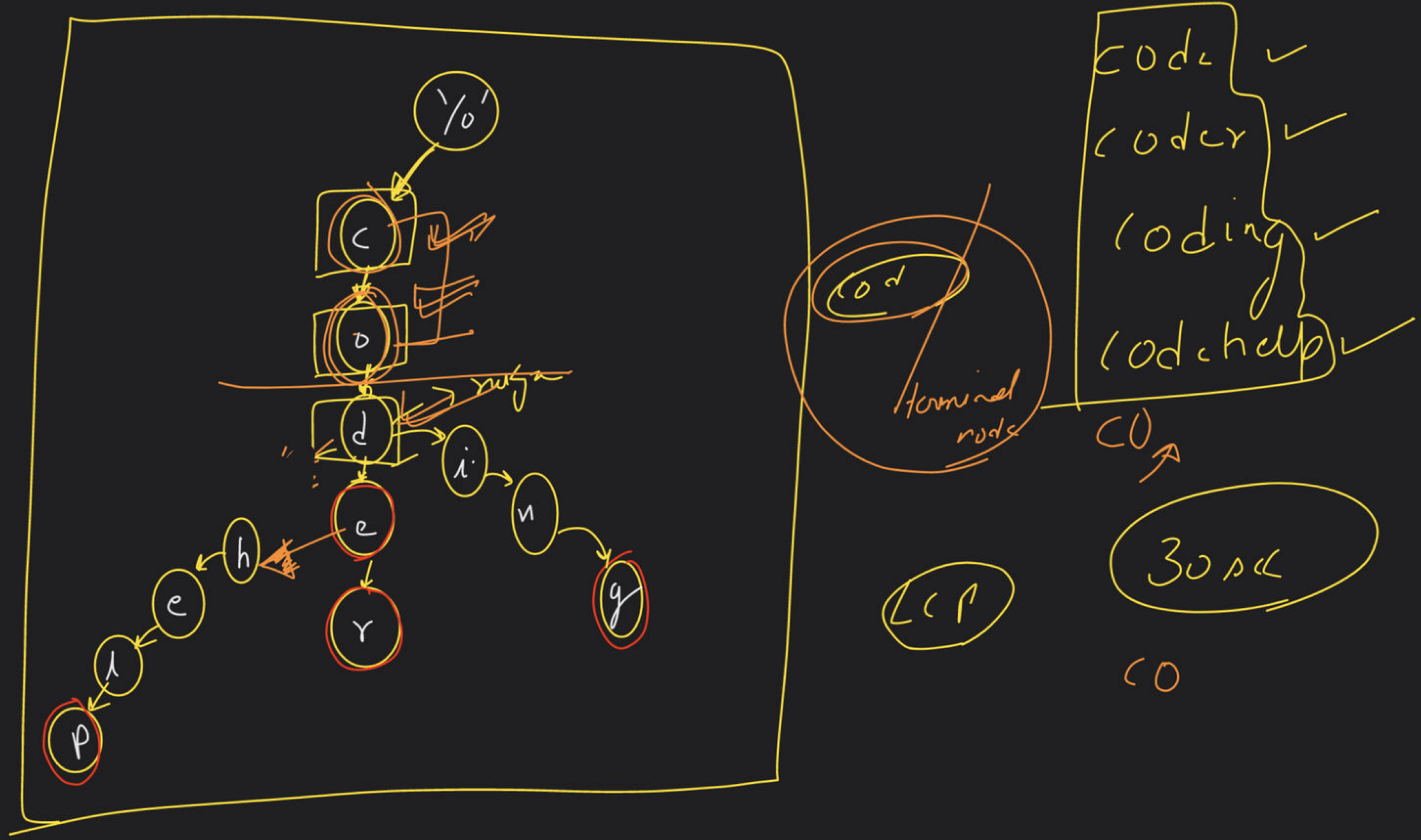
Hashmaps & Tries - Class 3

Special class

Love Babbar • June 2, 2023

Trie → D.S → Multi way tree → Pattern matching

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c
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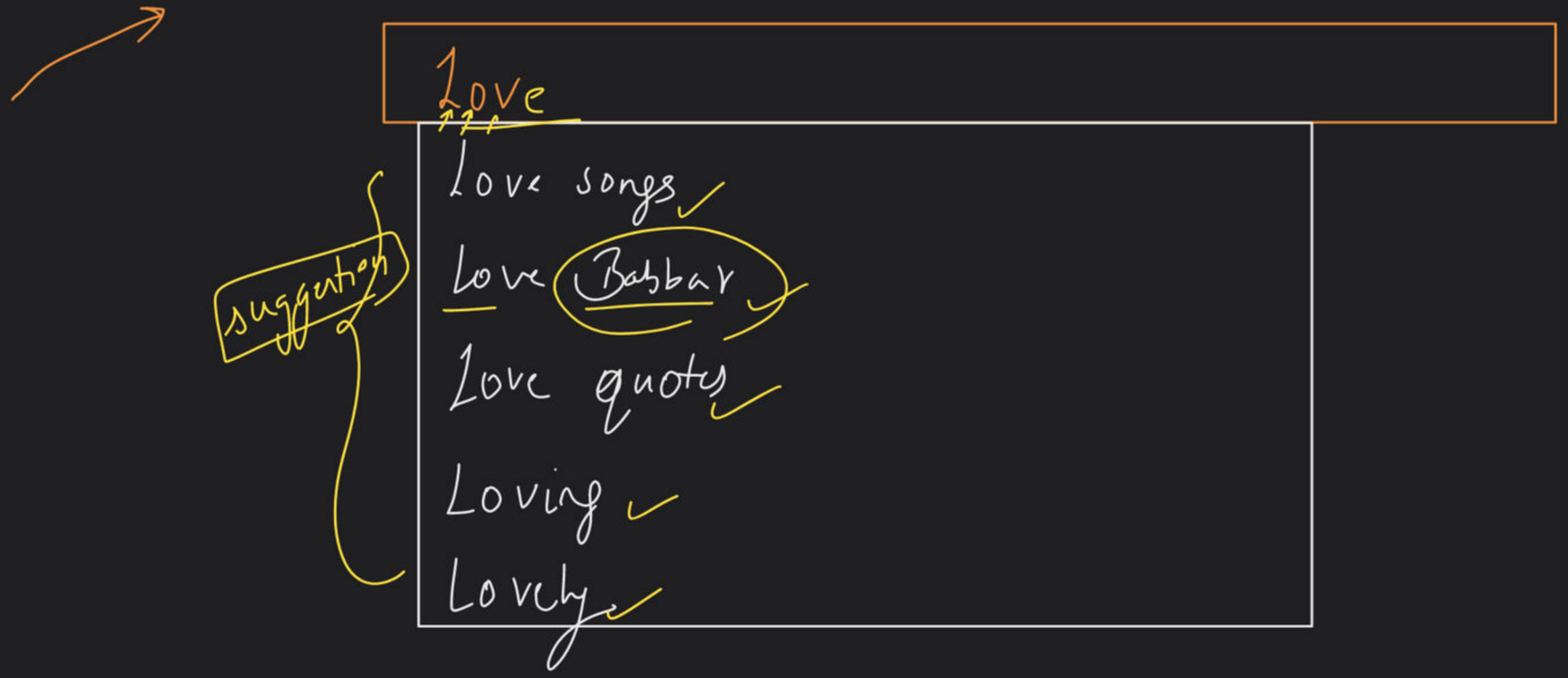
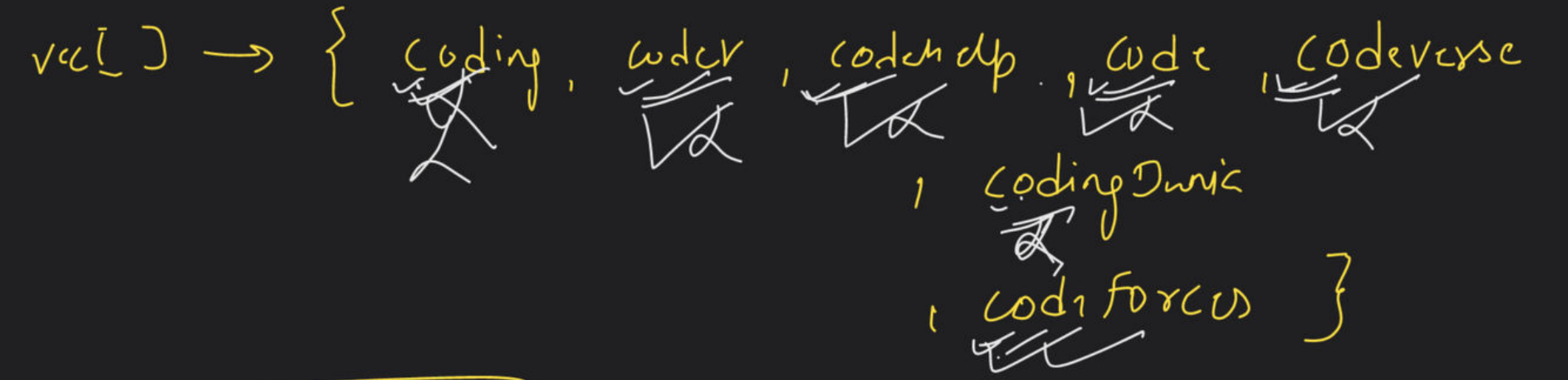
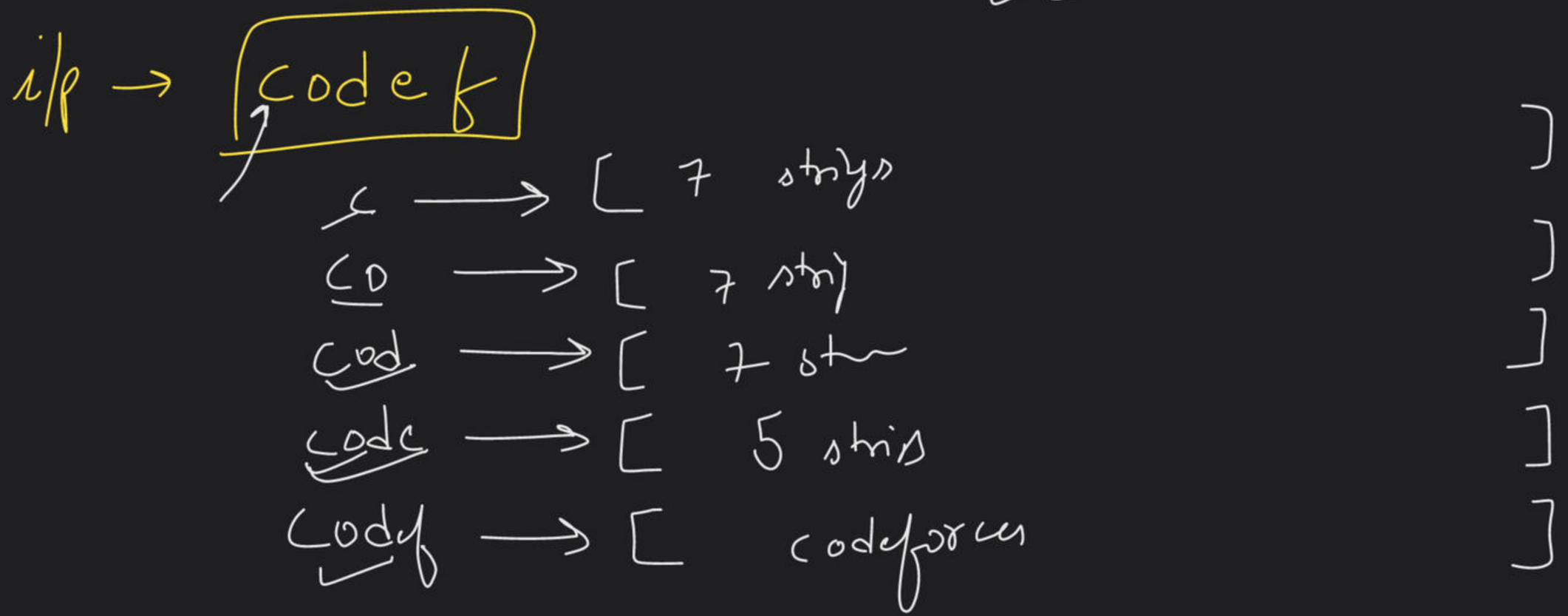
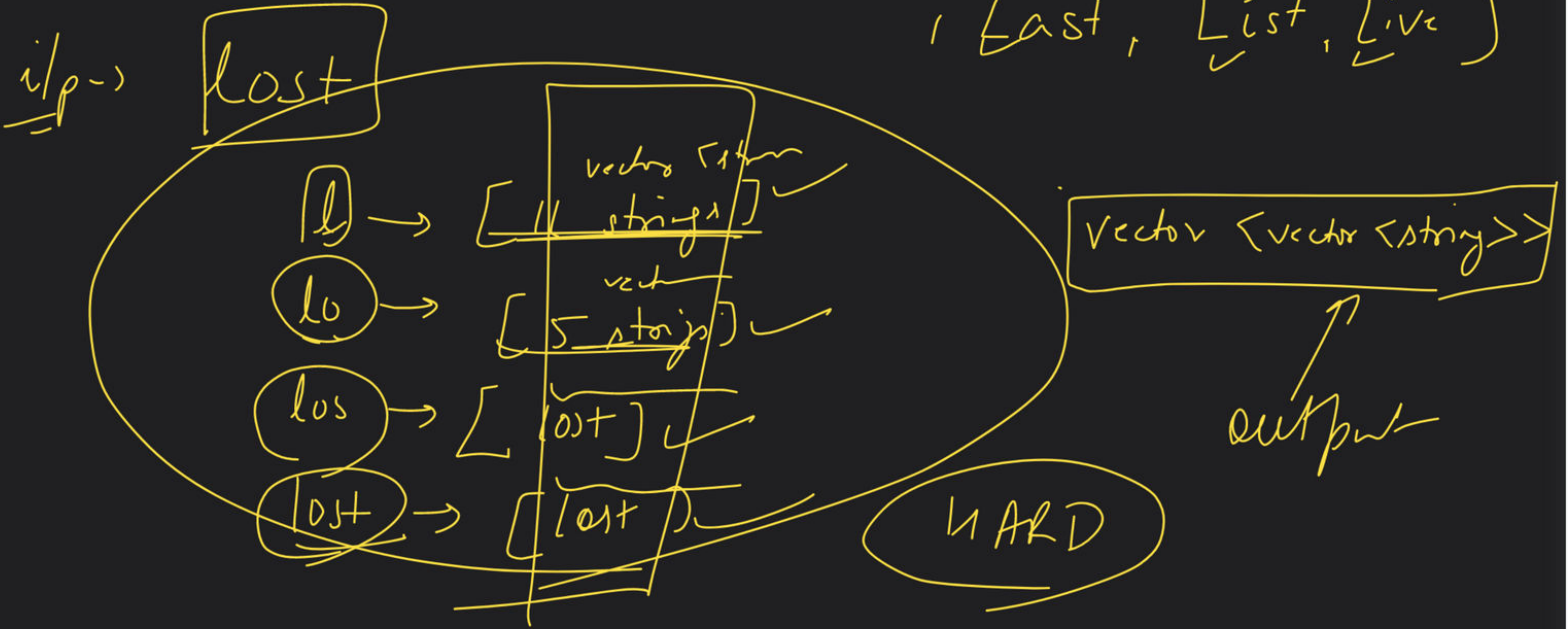
cod
terminal node
code
coder
coding
codehelp
CO
LCP
co


love
love songs
love Babbar
love quotes
Loving
Lovely
suggestion


vec[ ] → { coding , coder , codechdp , code , codeverse
, codingDunia
, codiforces }

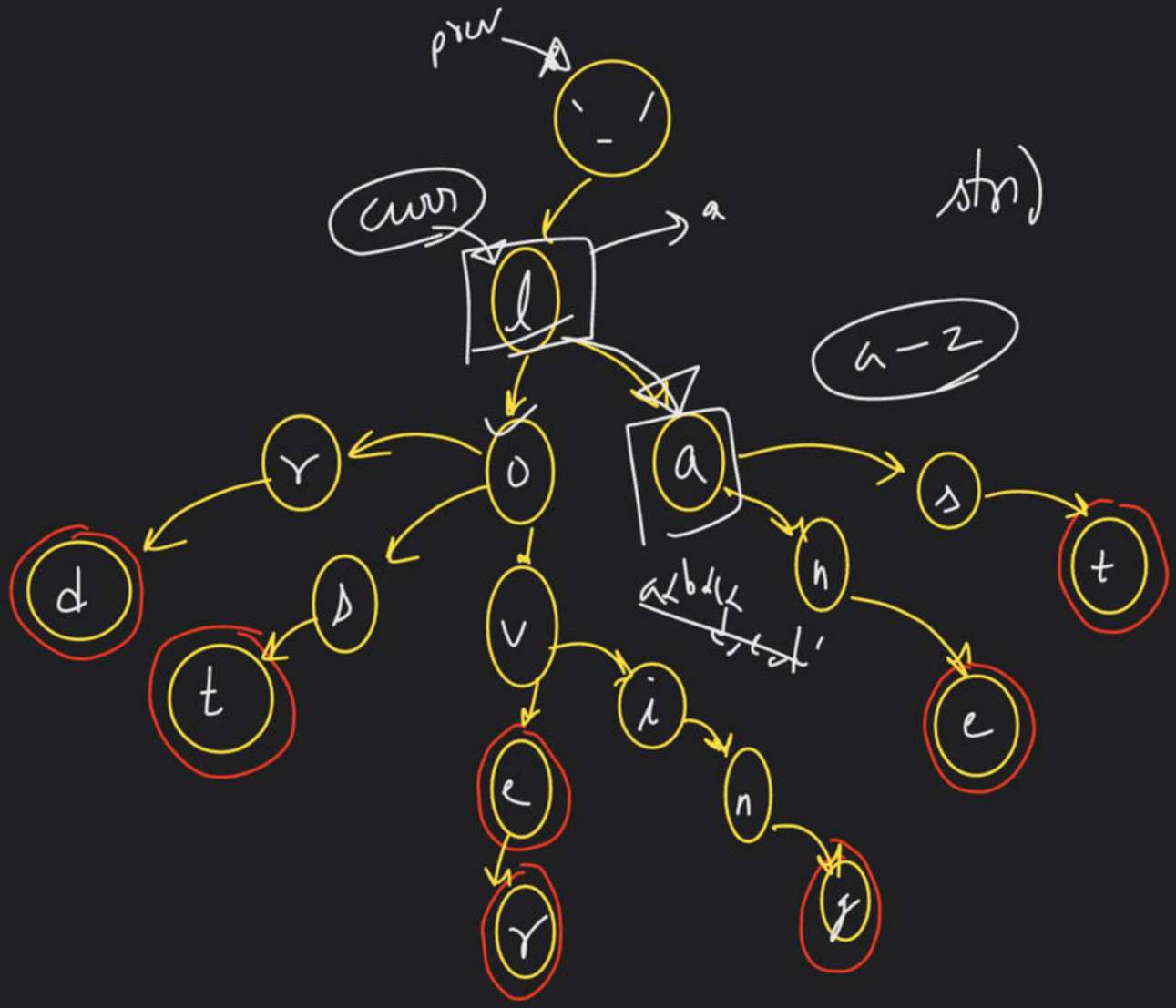

i/p → codek
c → [7 strings]
co → [7 strings]
cod → [7 strings]
code → [5 strings]
codef → [codeforces]

Vector → [lover, Lane, Lost, Lend, Loving, Love, Lord, Least, Last, List, Live]



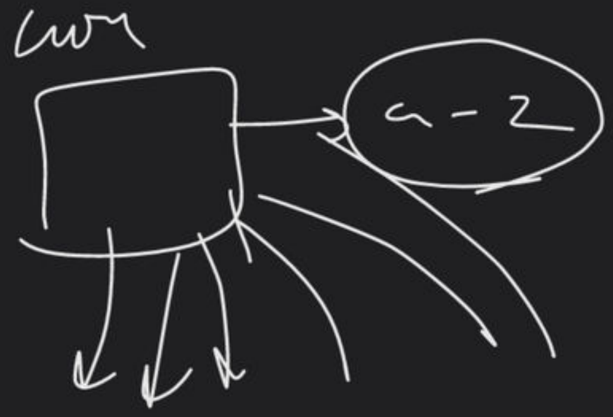
Vectors → [Love, lover, loving, lane, last, lost, lord]

i/p → "lovi"

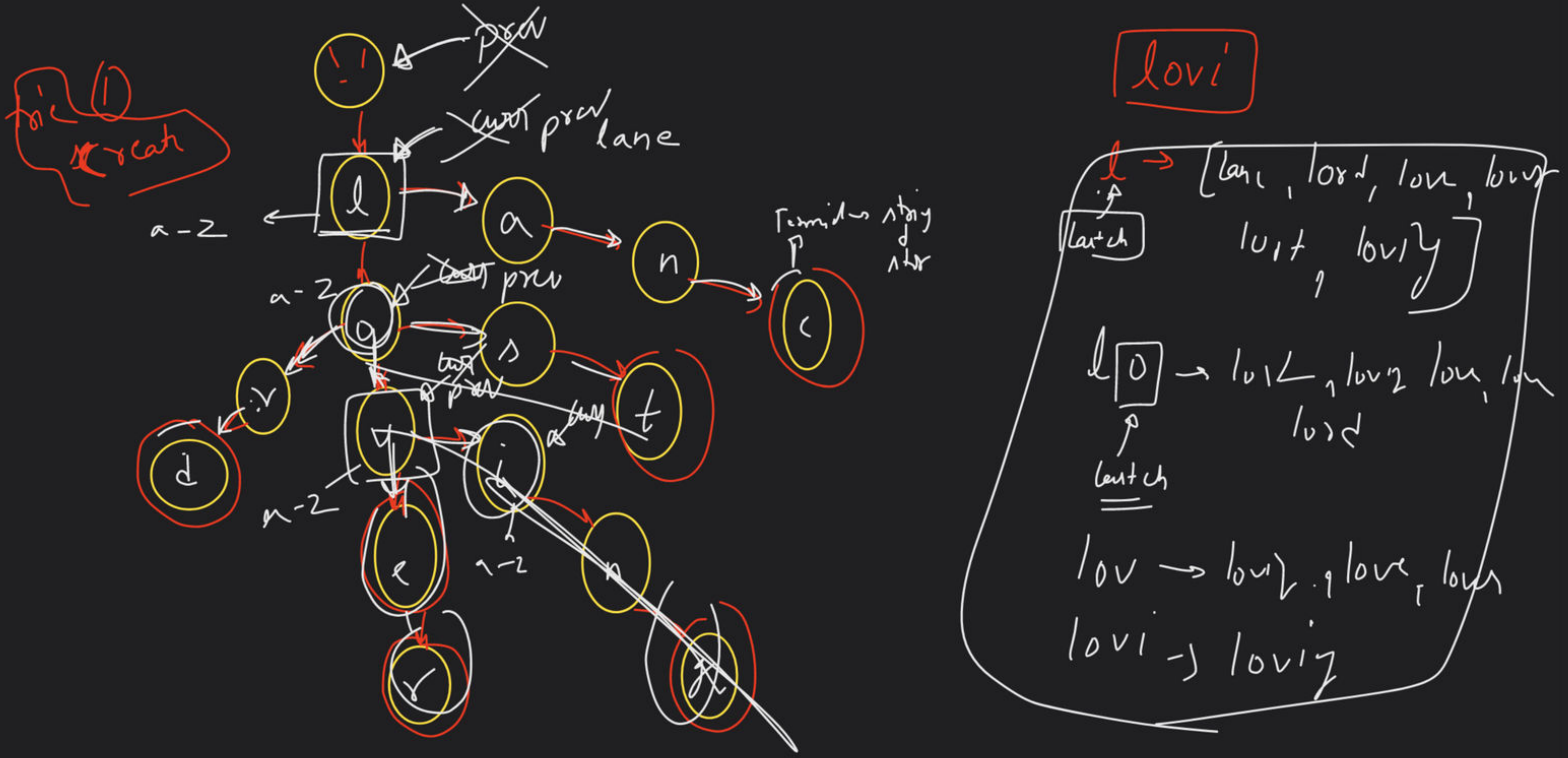


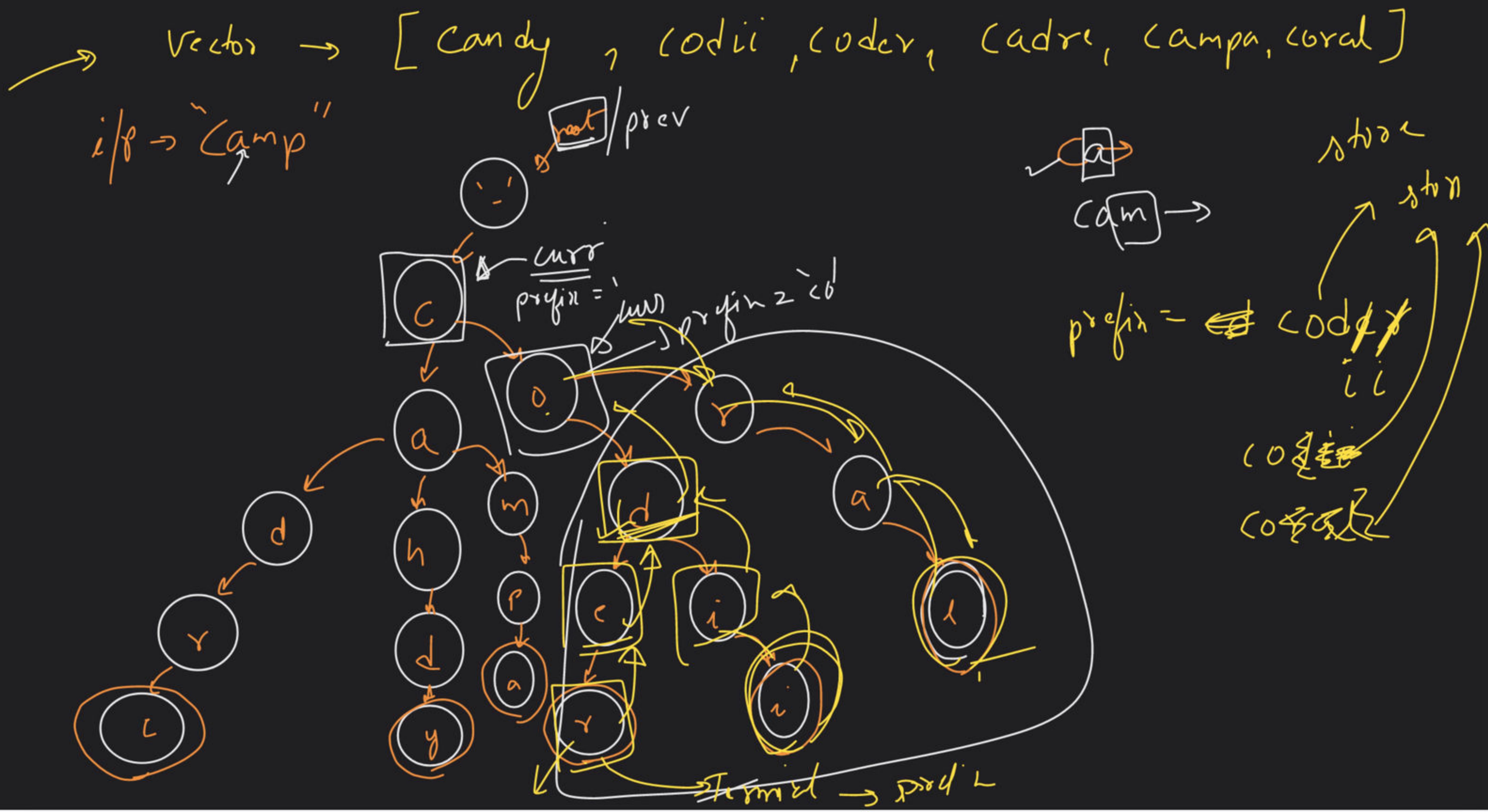
str)

l →



vec → [Love, lover, Loving, lost, lane, lord]




vector → [candy, codii, coder, cadre, campa, coral]
i/p → "camp"
root / prev
curr
prefix = '
curr
prefix = 'co'
prefix = codi
store

m - len str2

↳ trie

$O(n \times n \times m)$

$O(hm^2)$