



Hashmaps & Tries - Class 2

Special class

→ Tries :-

D.S

Definition

multi-way ~~tree~~ tree structure

pattern - searching

pattern length

\propto time complexity



RAMESH

R

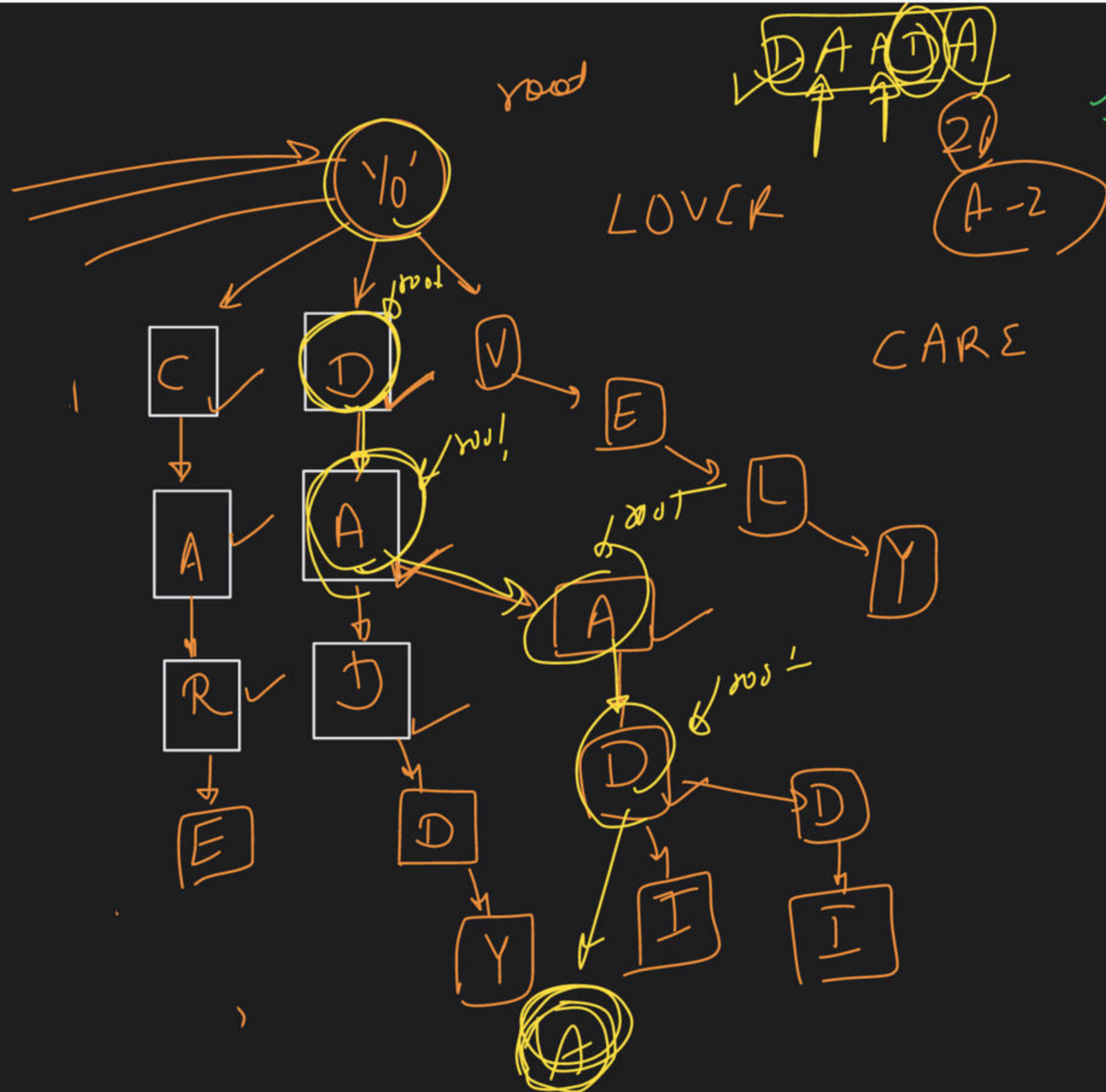
A

M

S

S

11



root

LOVER

CARE

strings

LOVE

LOVELY

DAD

CAR

DADDY

DADDI

DADDI

Insertion

→ node present

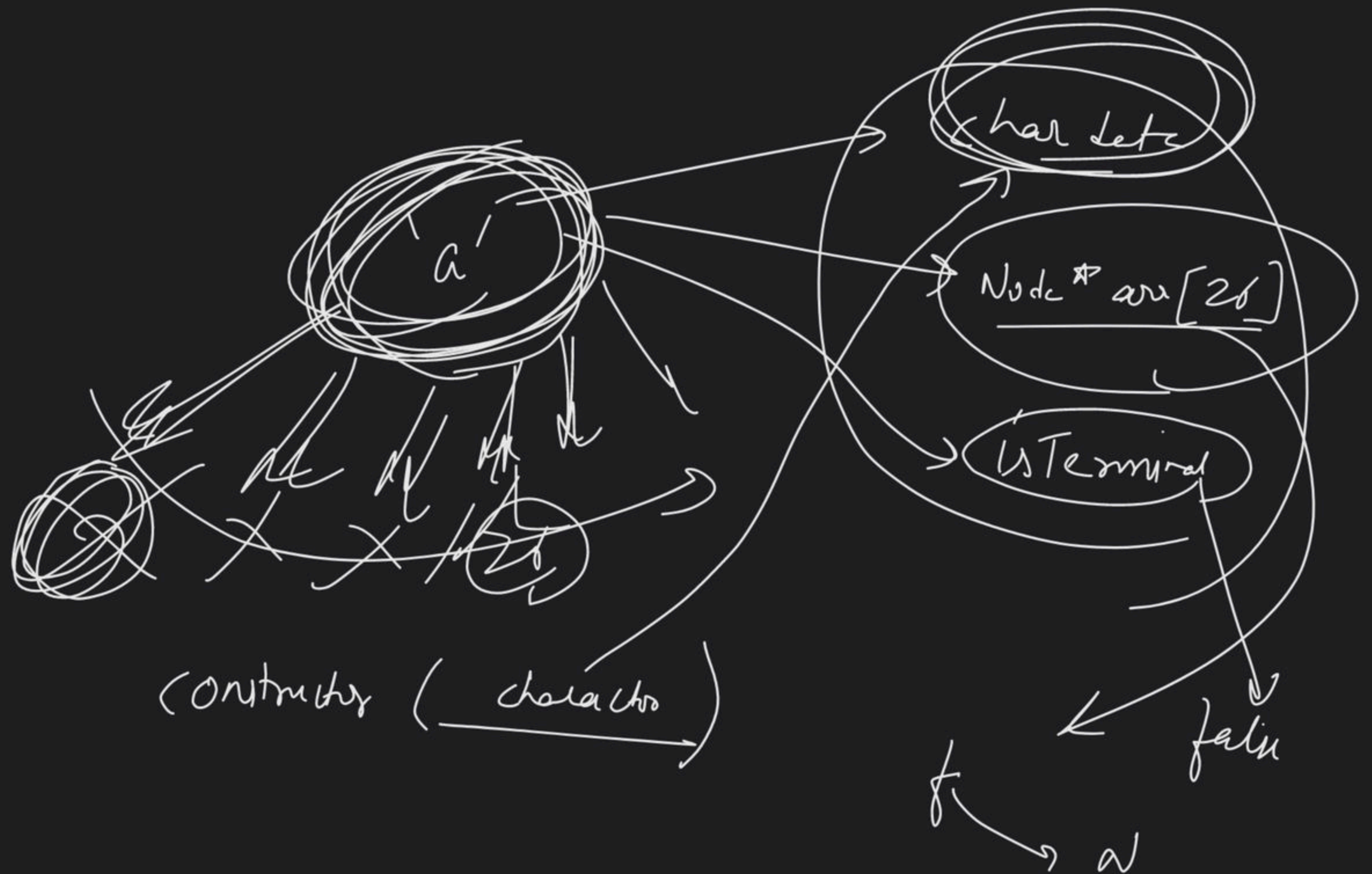
→ node pc

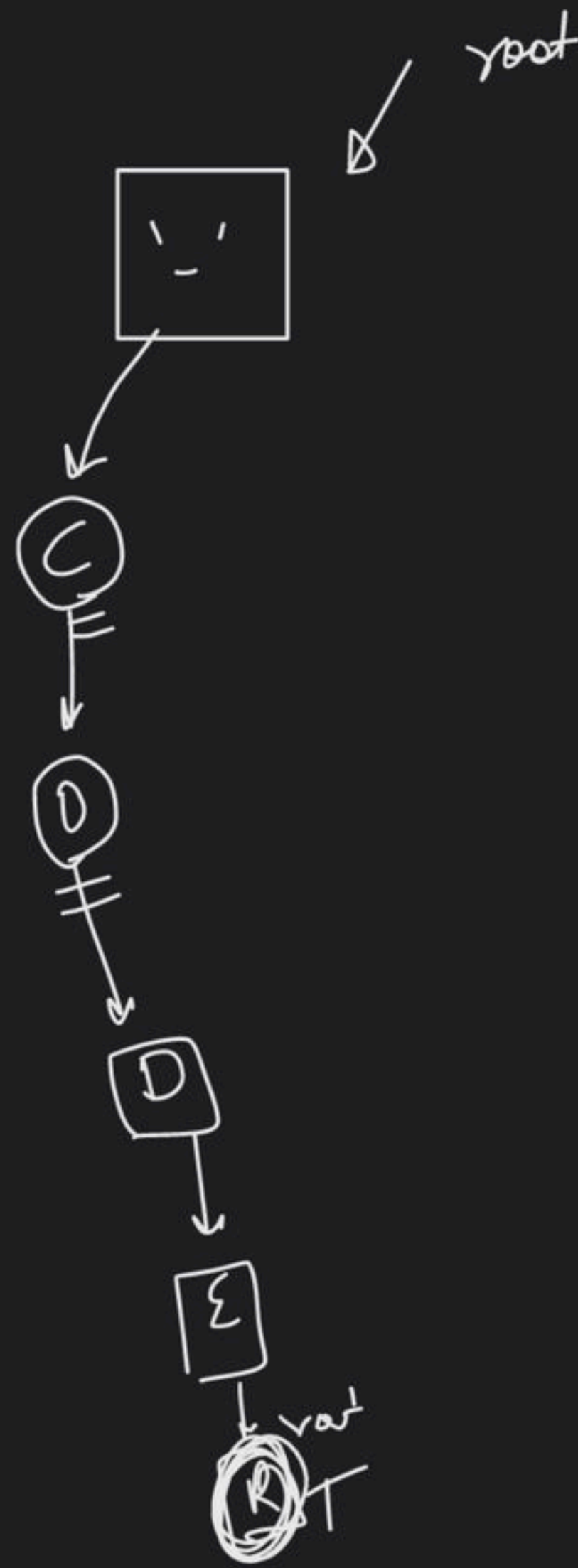
chal jaw

→ node absent

→ node creat
kaw

→ node pr
Jaw





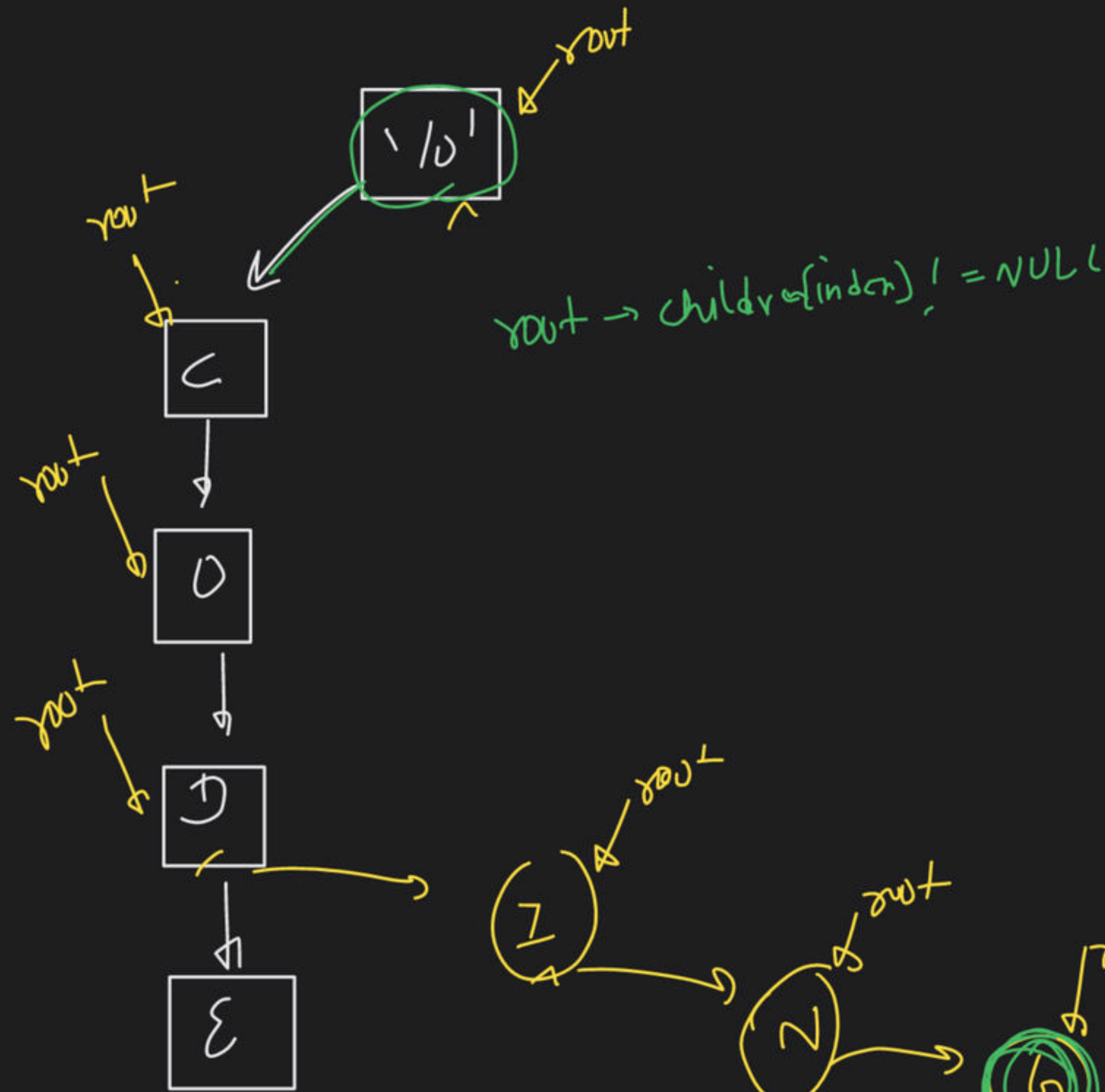
C O D E R
 δ^m

C O D E R
 Δ

D E R
 \wedge

E R
 \wedge

R
 (~ ")



ODING

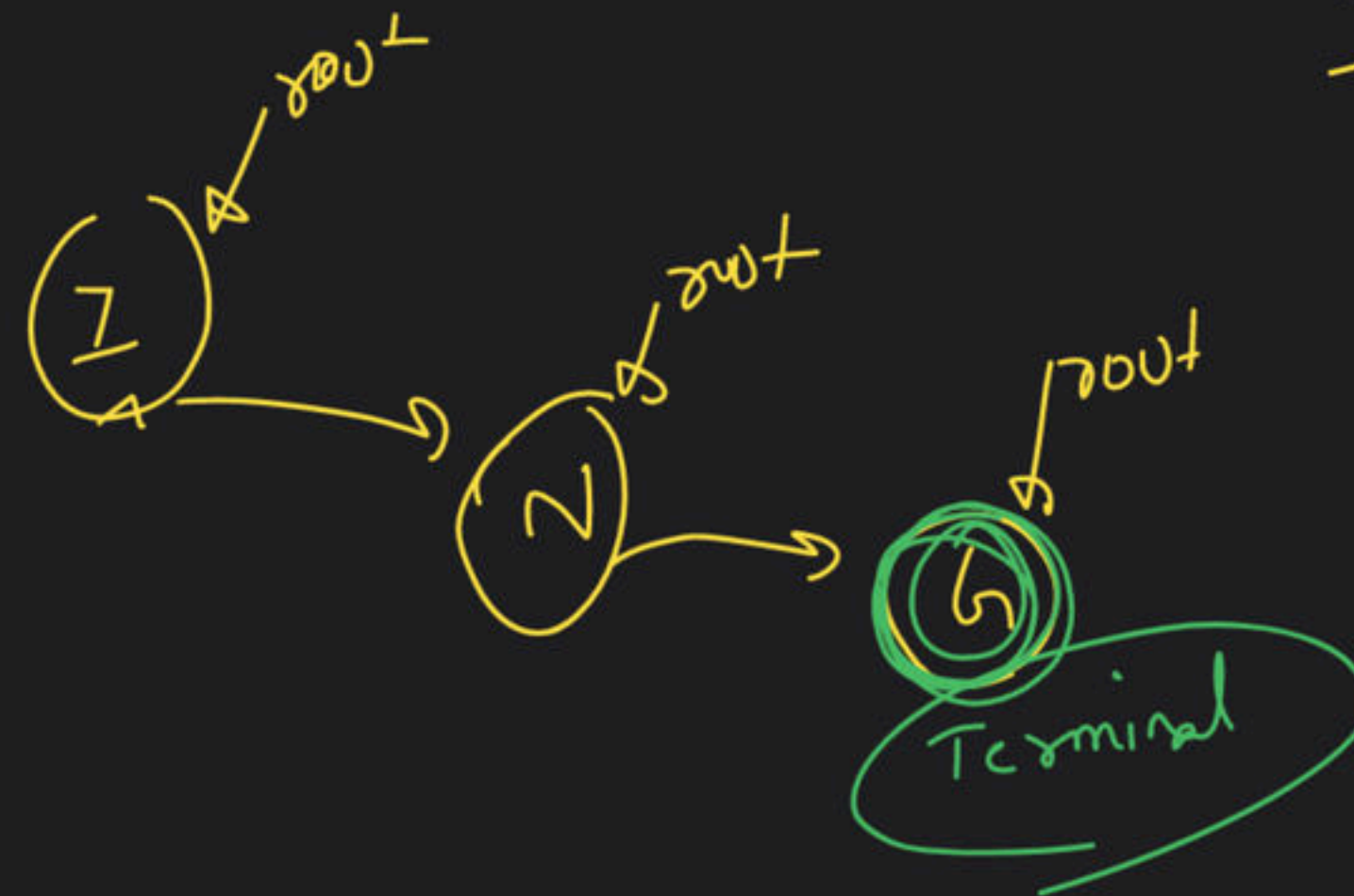
ODING

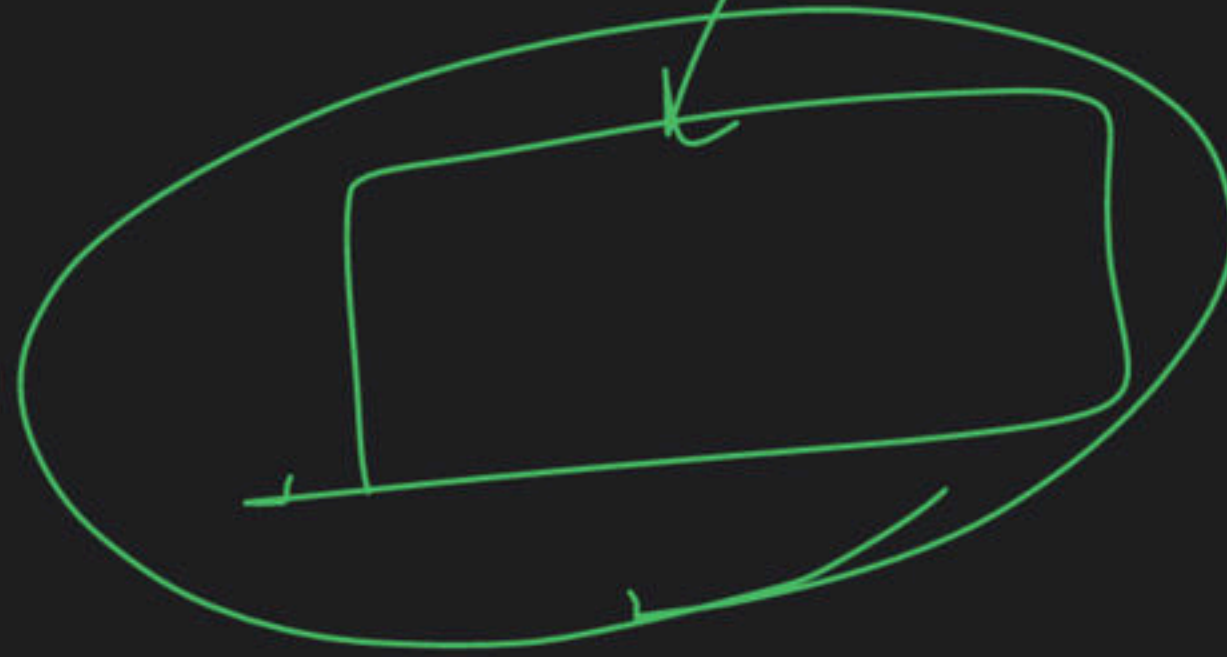
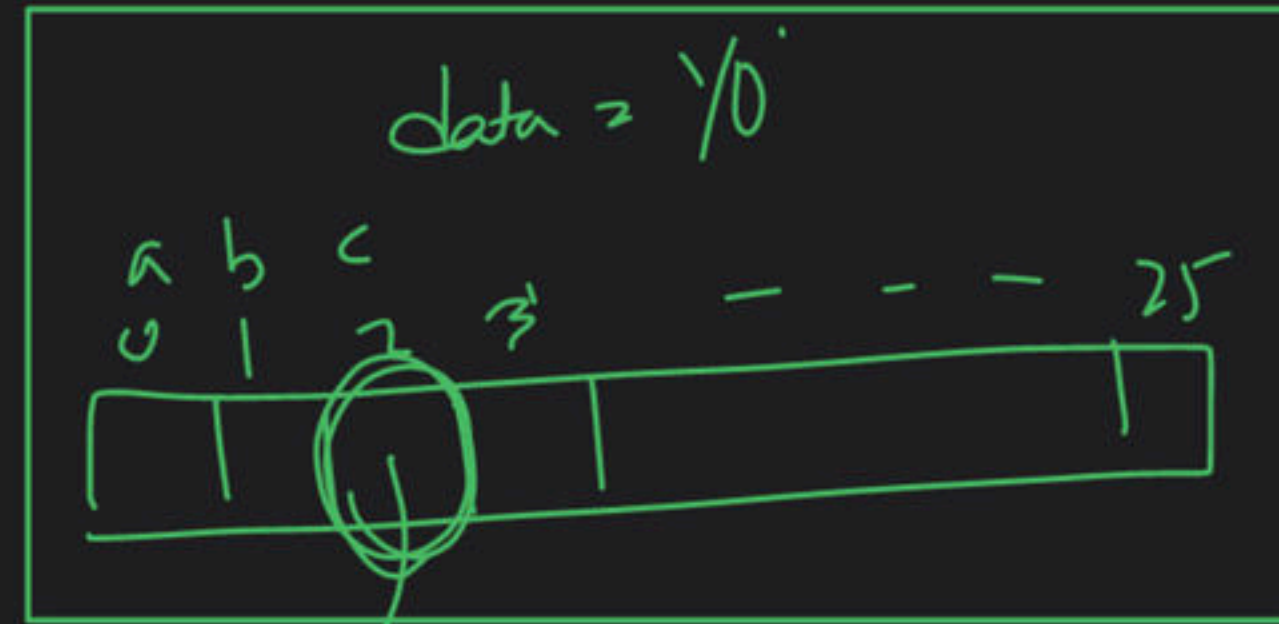
DING

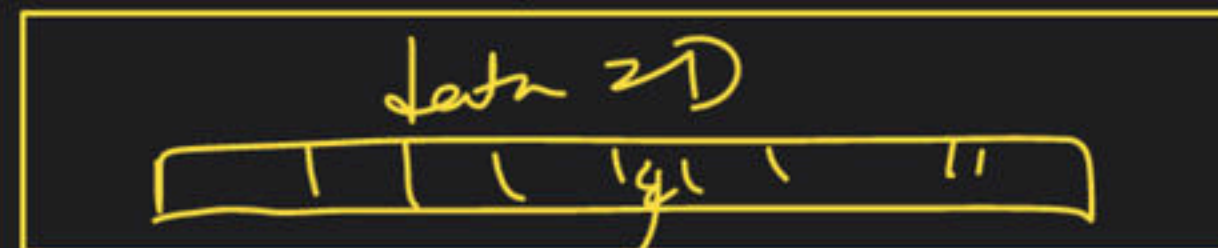
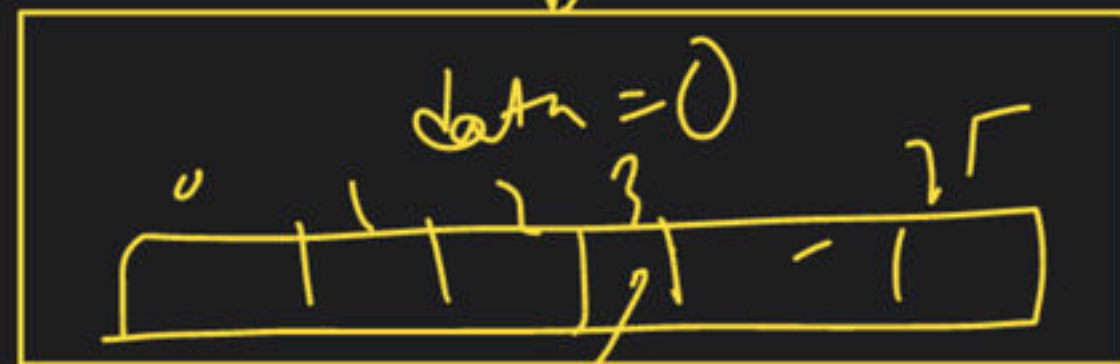
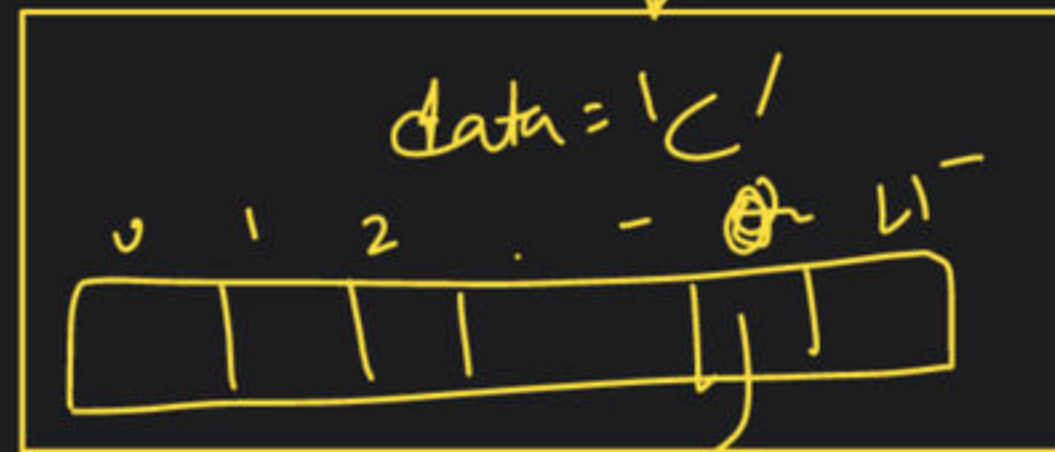
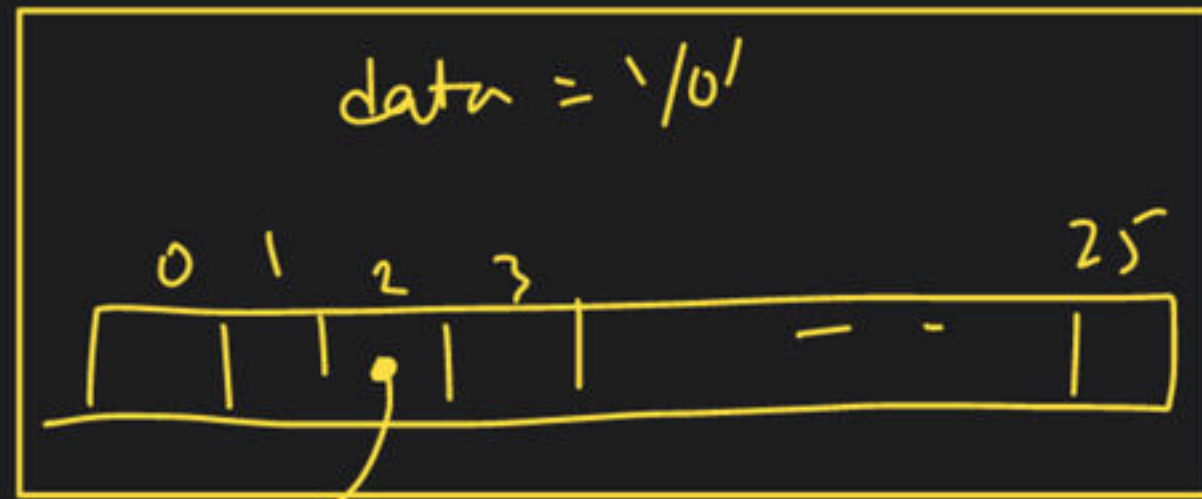
ING

NG

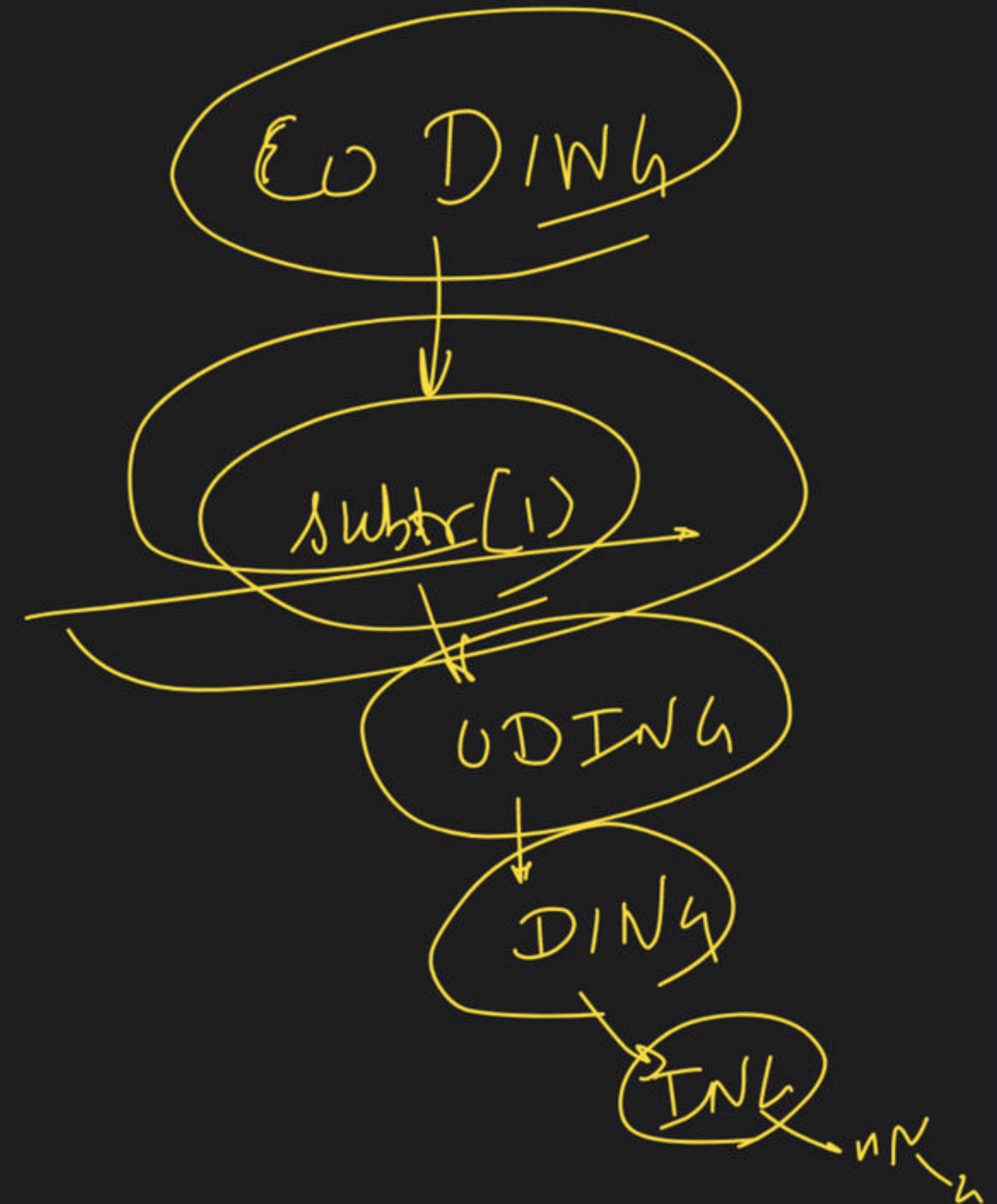
" "

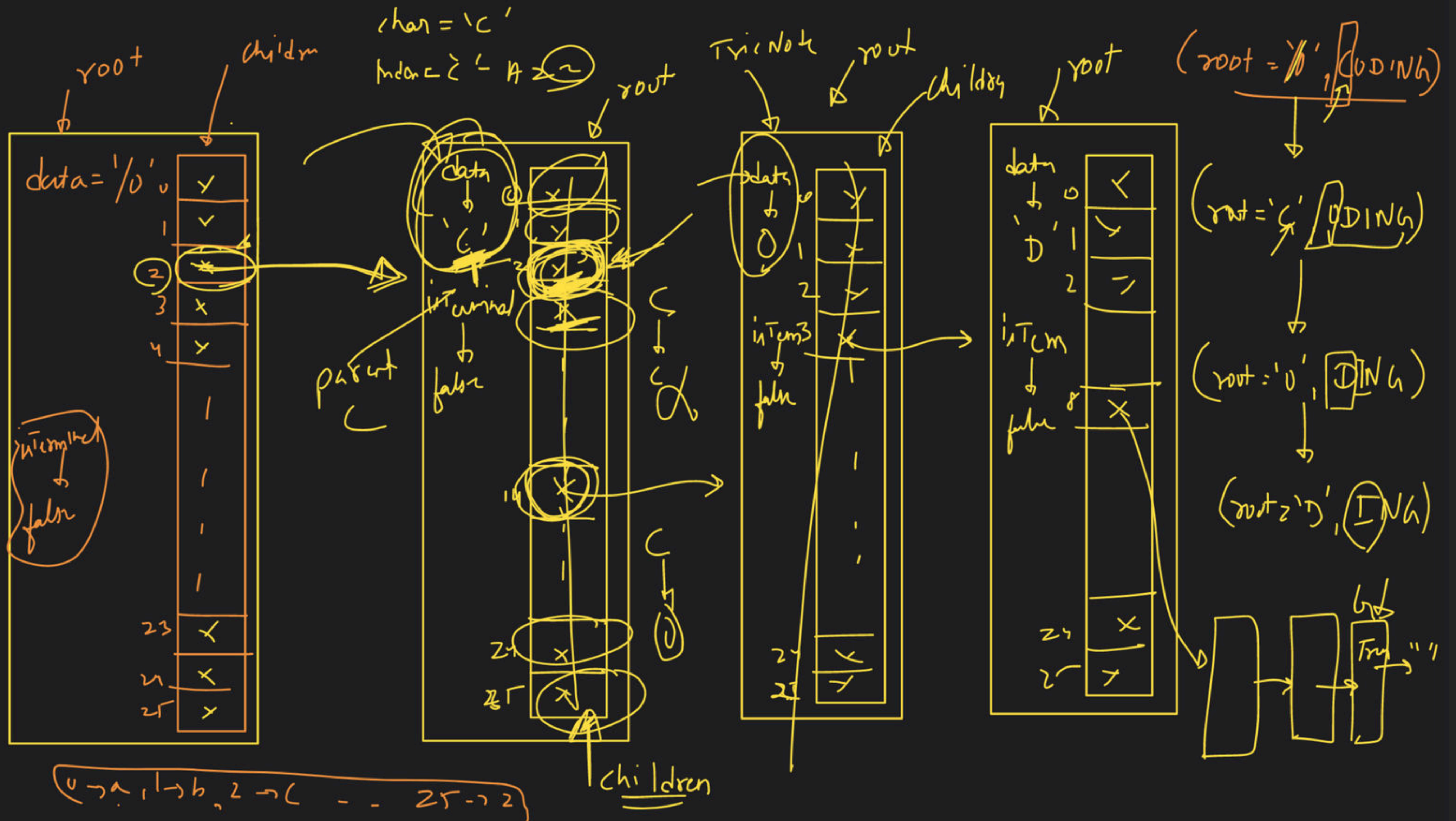




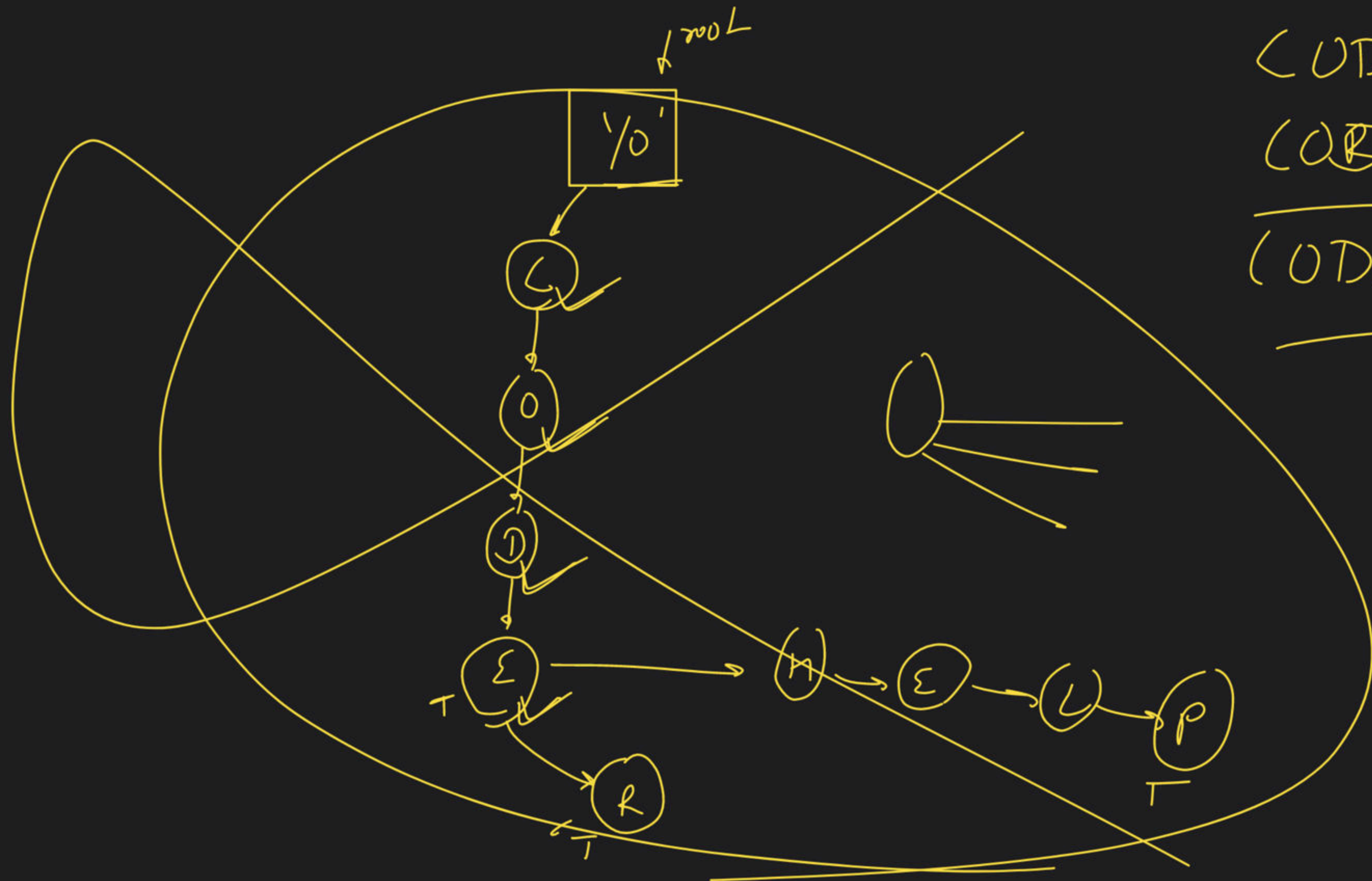


CODE





CODE
ORDER
CODEMER
→





$$W. \text{ length} = L$$

$$T-C \rightarrow \underline{\underline{O(L)}}$$

→ Deletion



remove (root, "coding")



search coding



leaf charach

Terminal
false

































