



# Hashmaps & Tries - Class 2

Special class

→ Tries :-

D.S

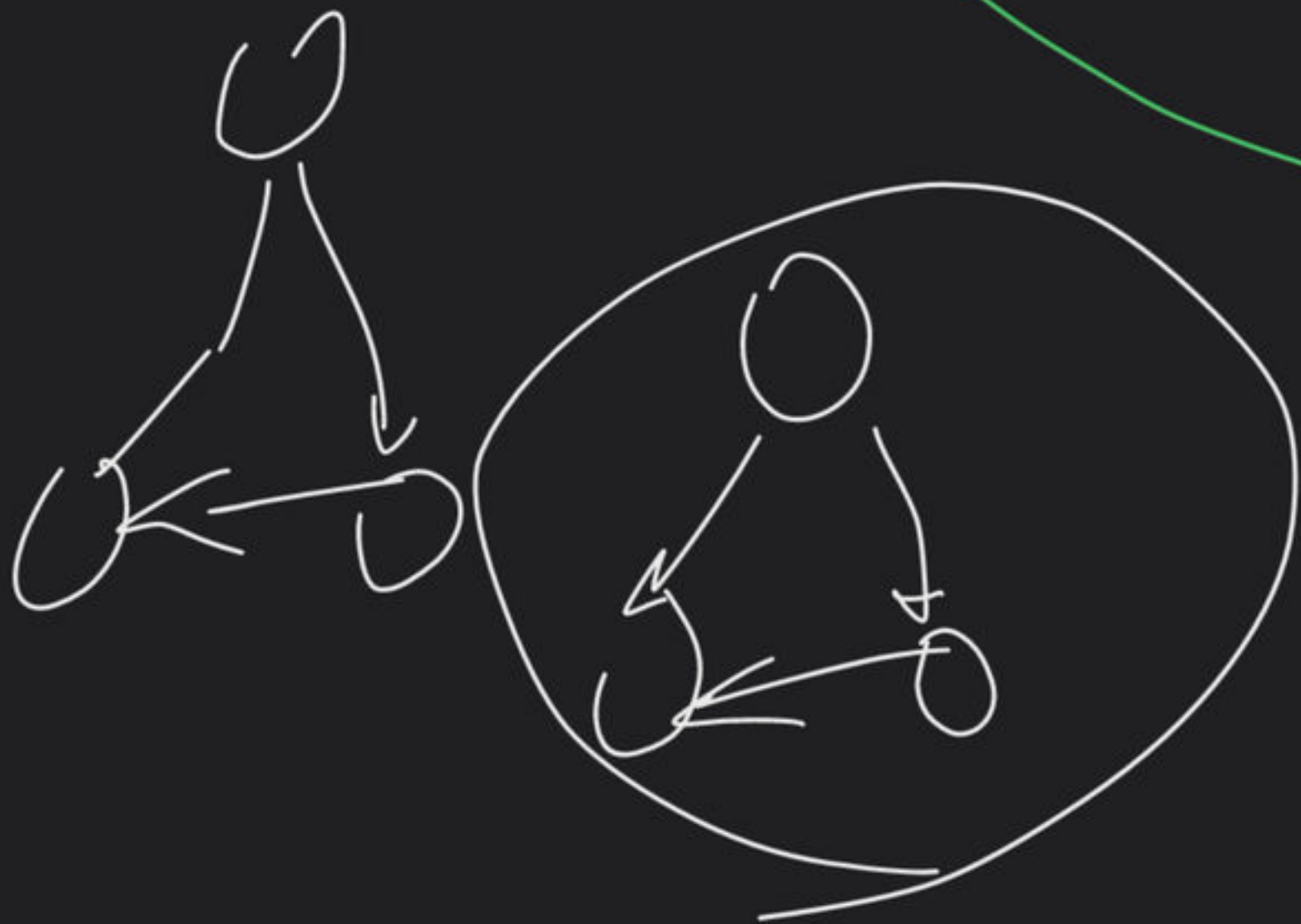
Definition

multi-way ~~tree~~ tree structure

pattern - searching

pattern length

$\propto$  time complexity













## Insertion

→ node present

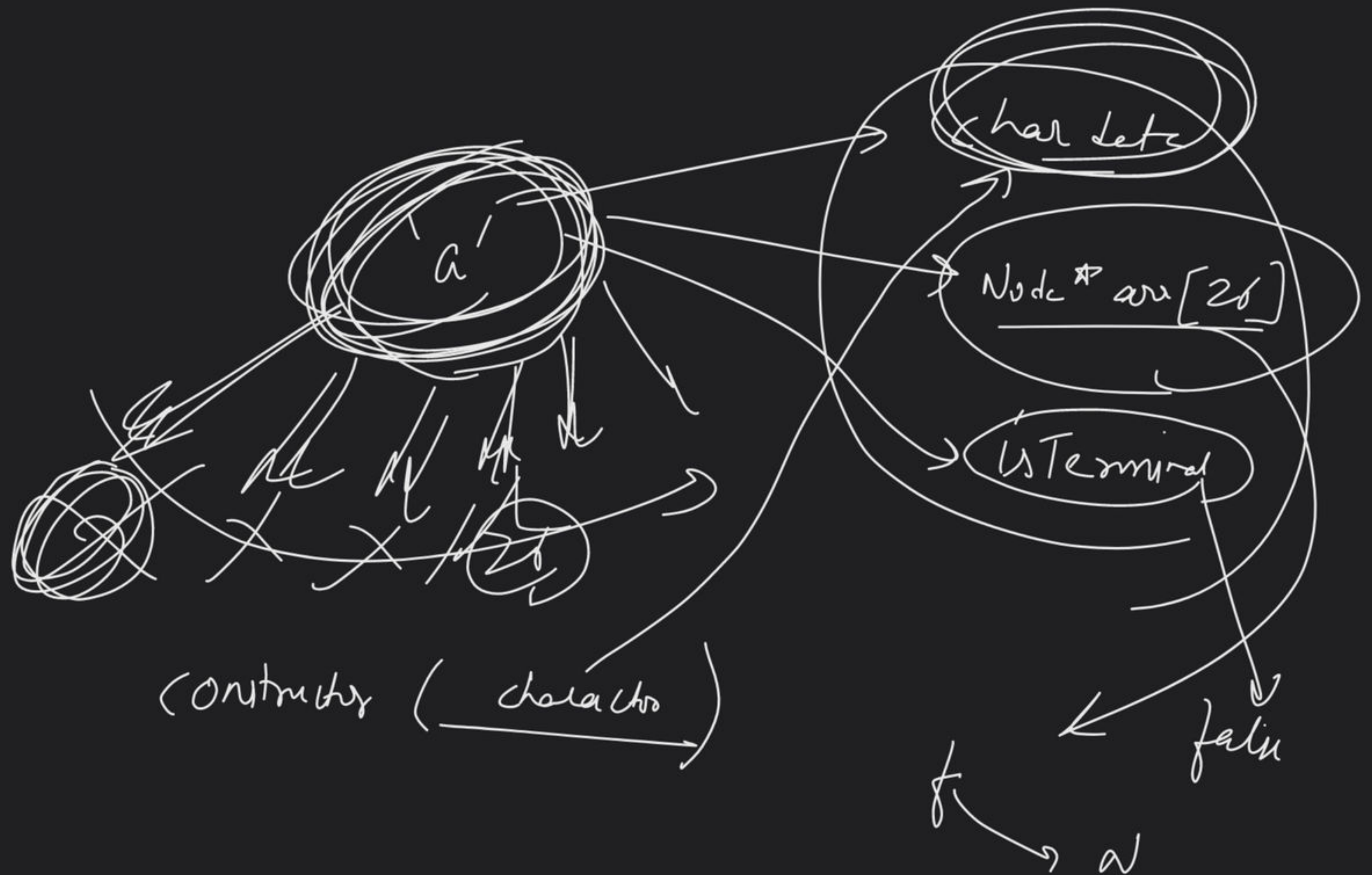
→ node pc

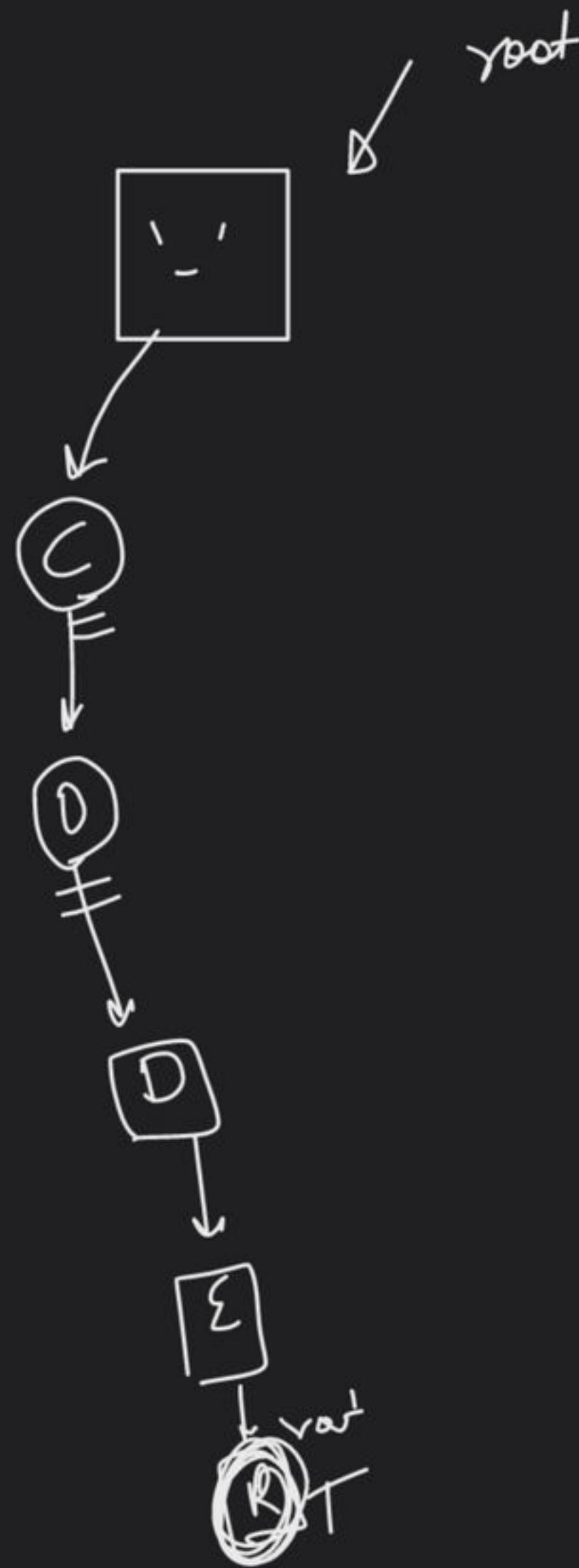
chal jaw

→ node absent

→ node creat  
kaw

→ node pr  
Jaw





C O D E R  
 $\delta^m$

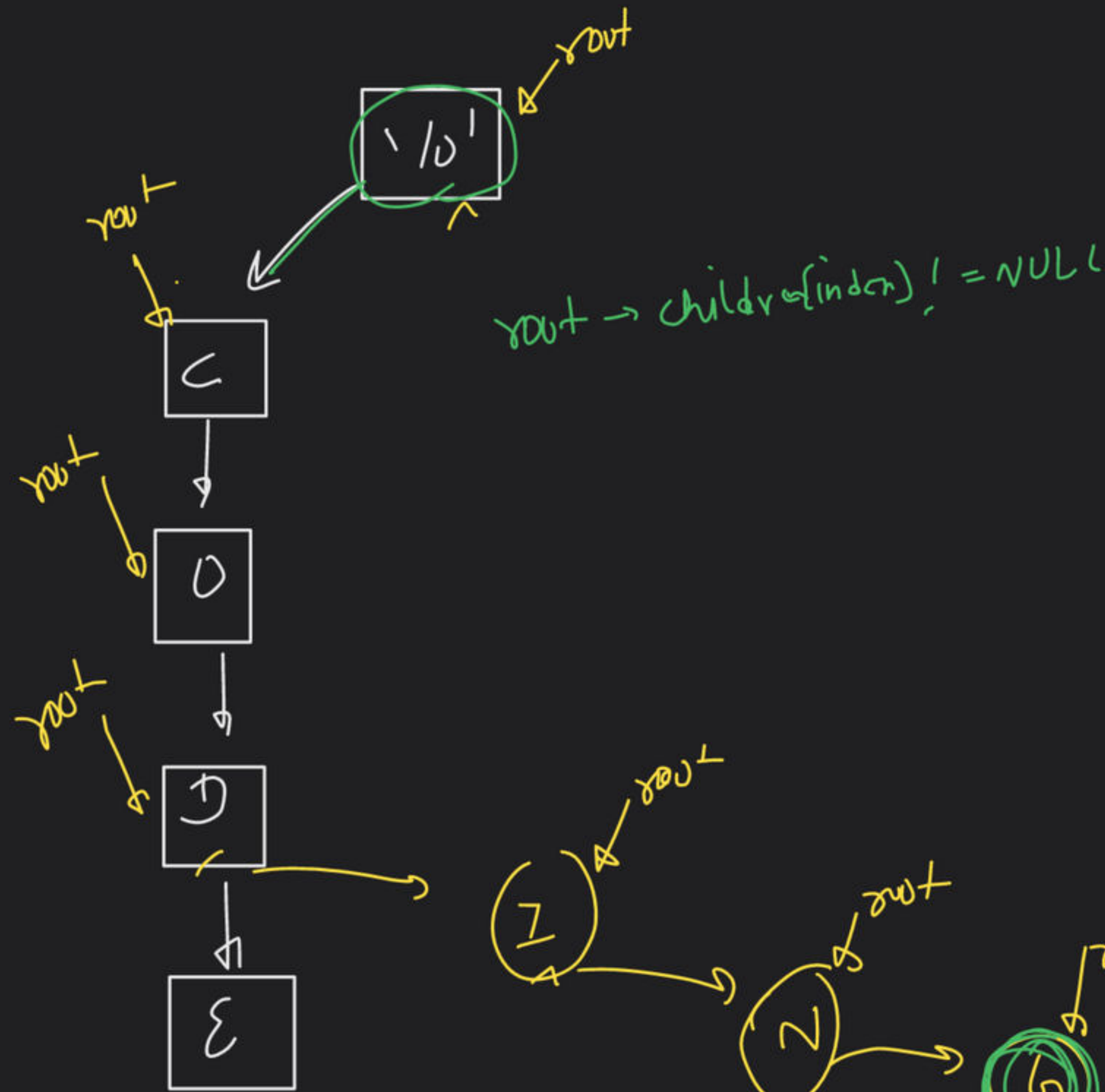
$\odot D E R$   
 $\Delta$

$D E R$   
 $\wedge$

$E R$   
 $\wedge$

$R$   



ODING

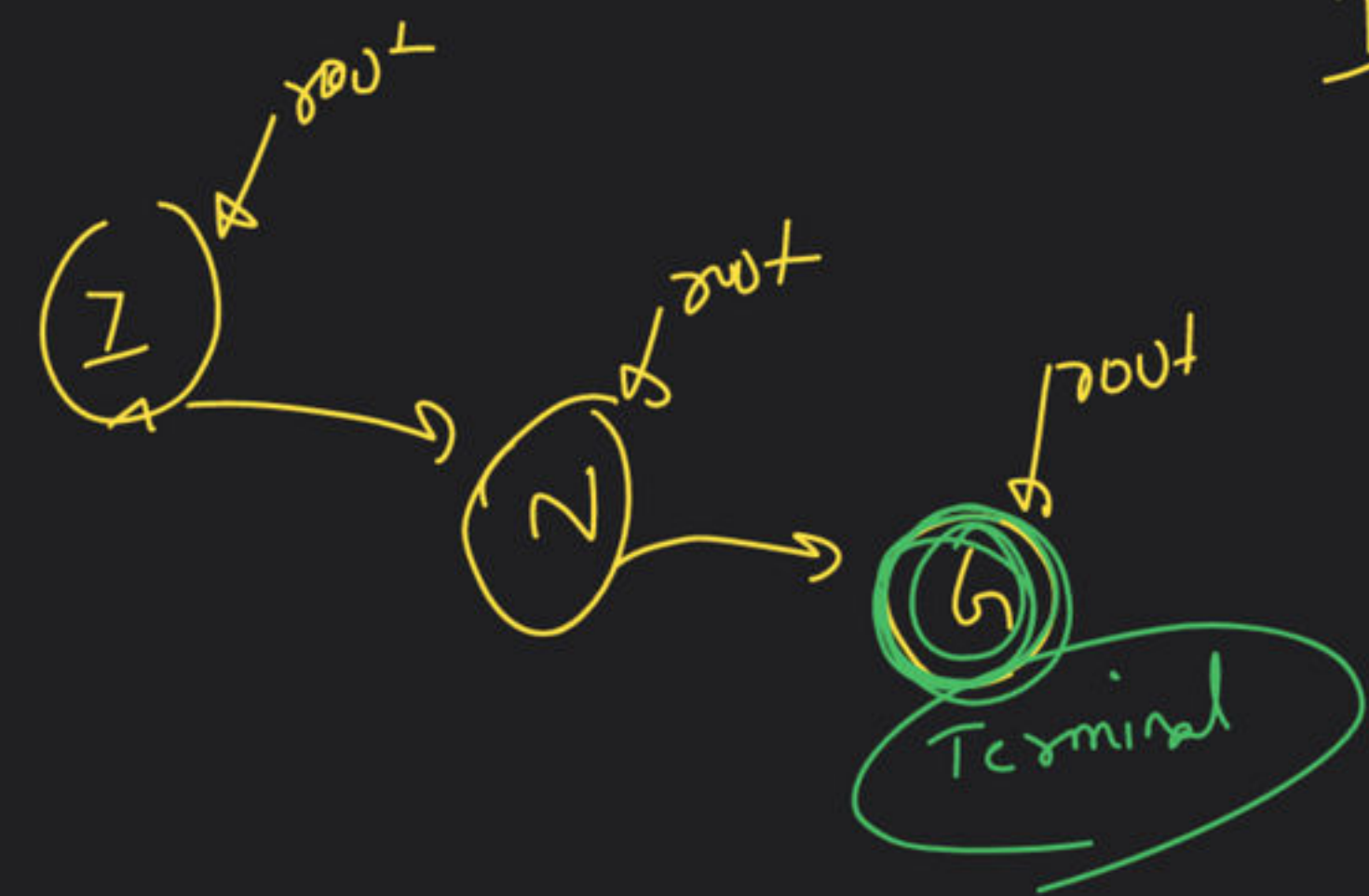
ODING

DING

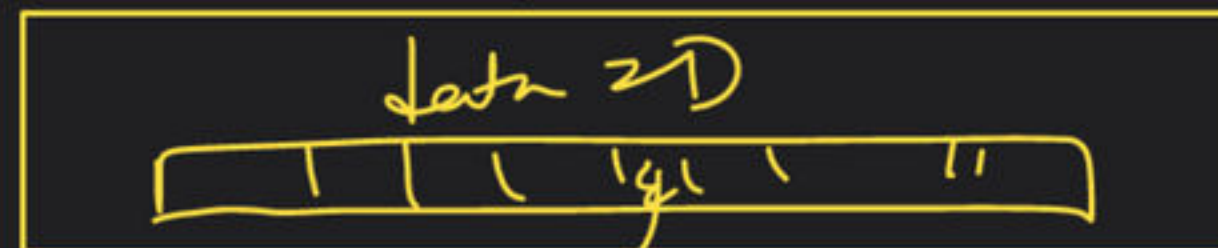
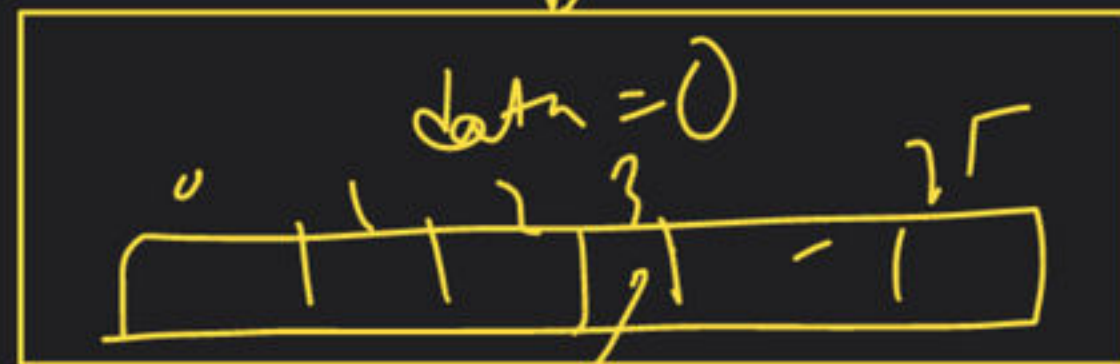
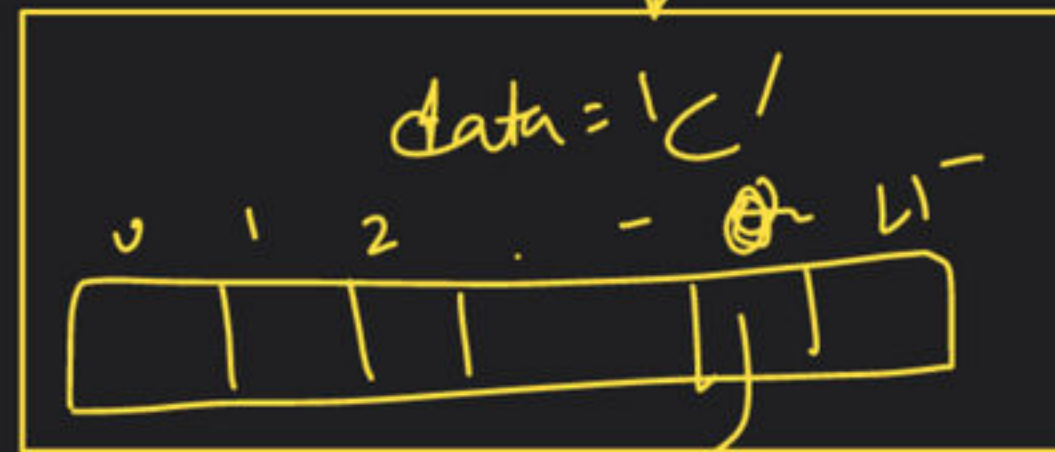
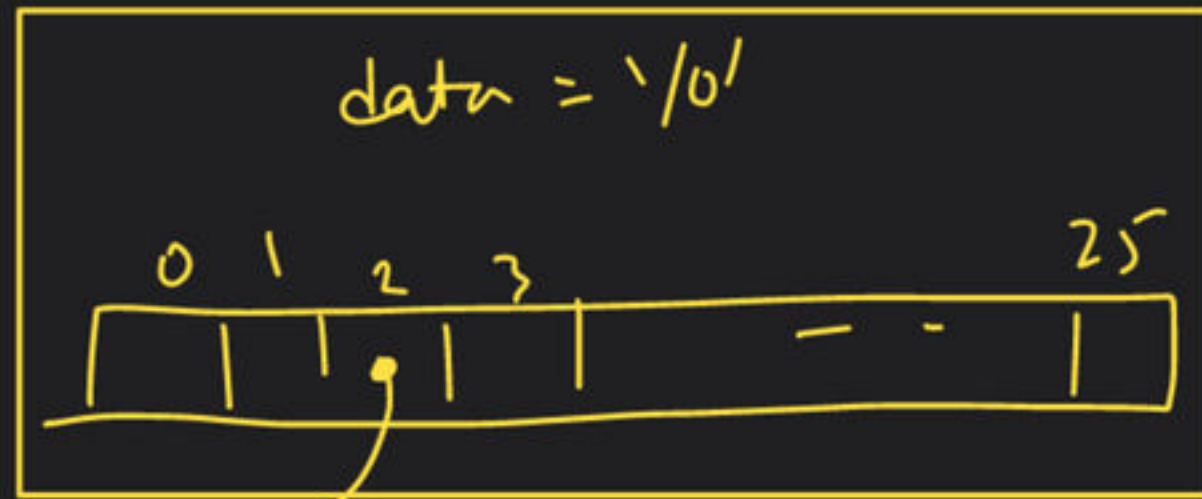
ING

NG

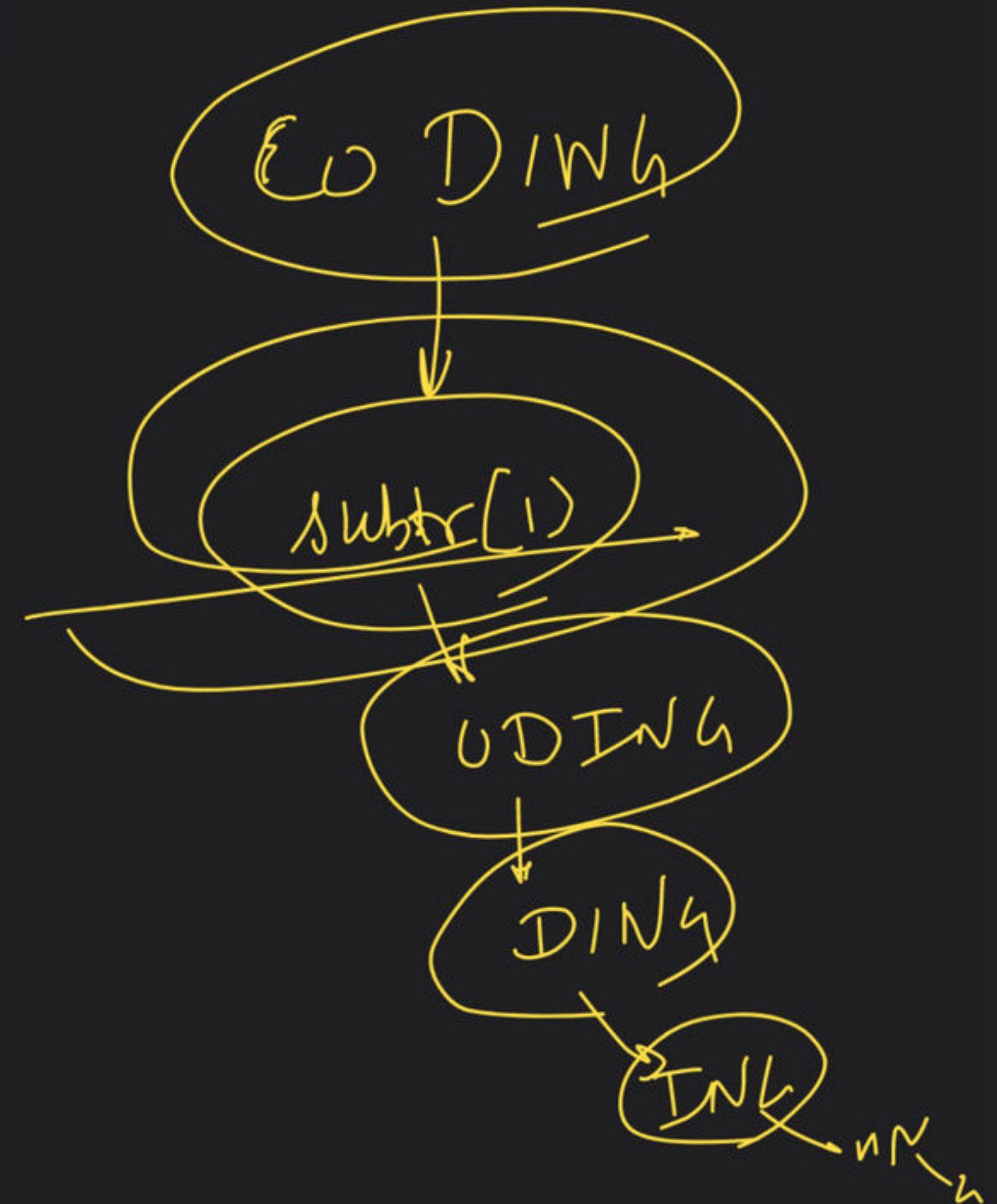
NG



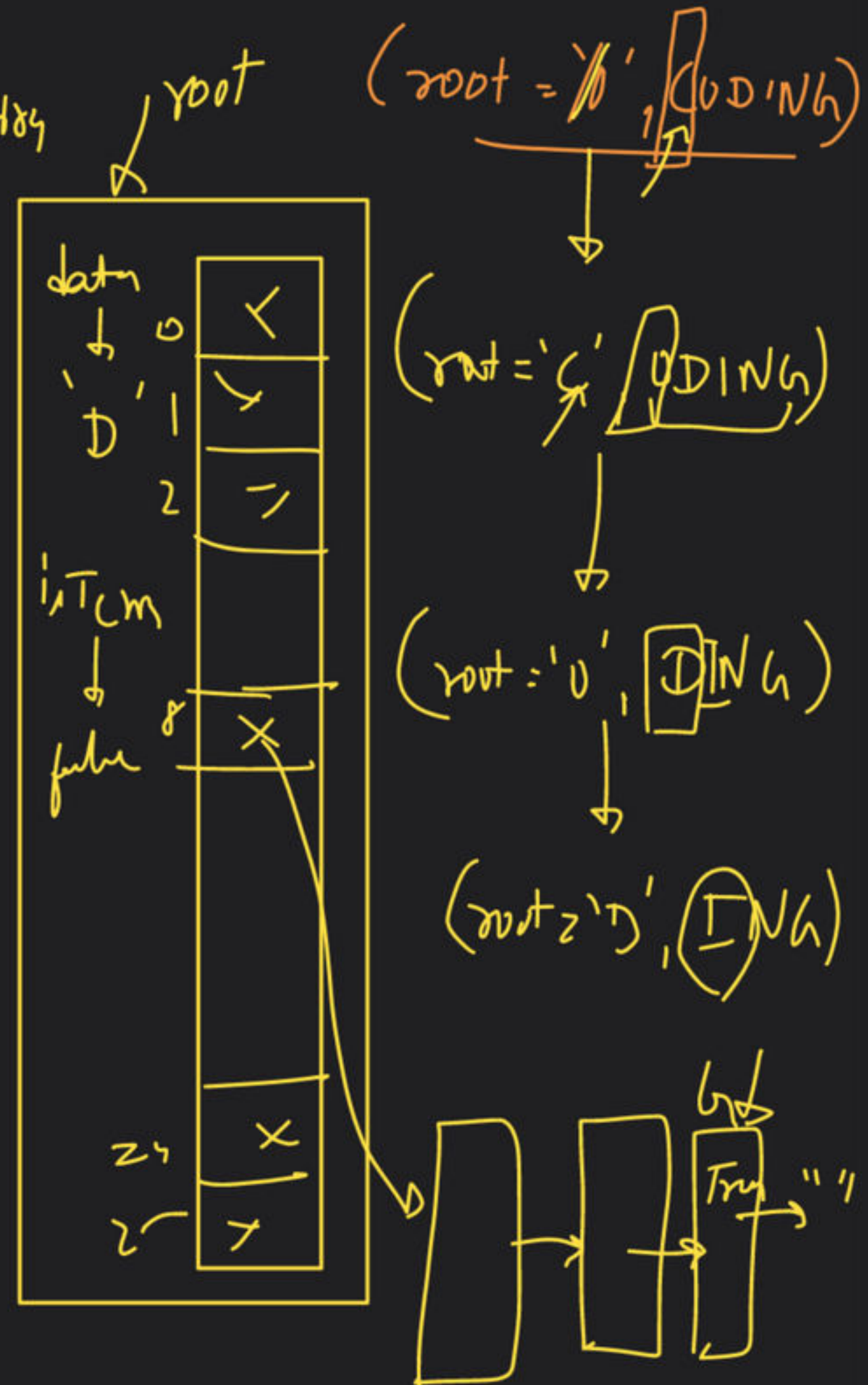
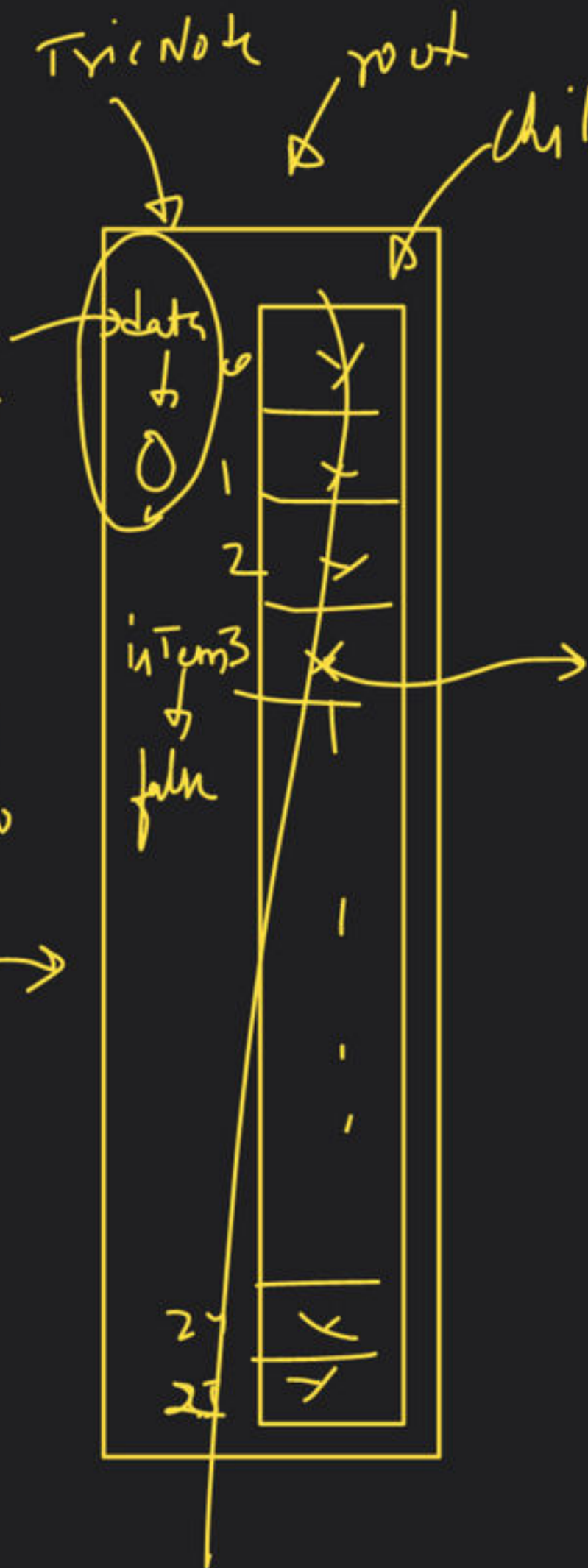




CODE







0 → a, 1 → b, 2 → c, ..., 25 → z



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

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

→ Deletion



remove (root, "coding")



search coding



leaf charach

Terminal  
false

