

Complete Course on Theory of Computation



C-NFA L= 2 Set of all 5to ind 4 25 88 6 5 abb al Subary. Whee each stry (ontern 5° a b b $\frac{1}{2}$

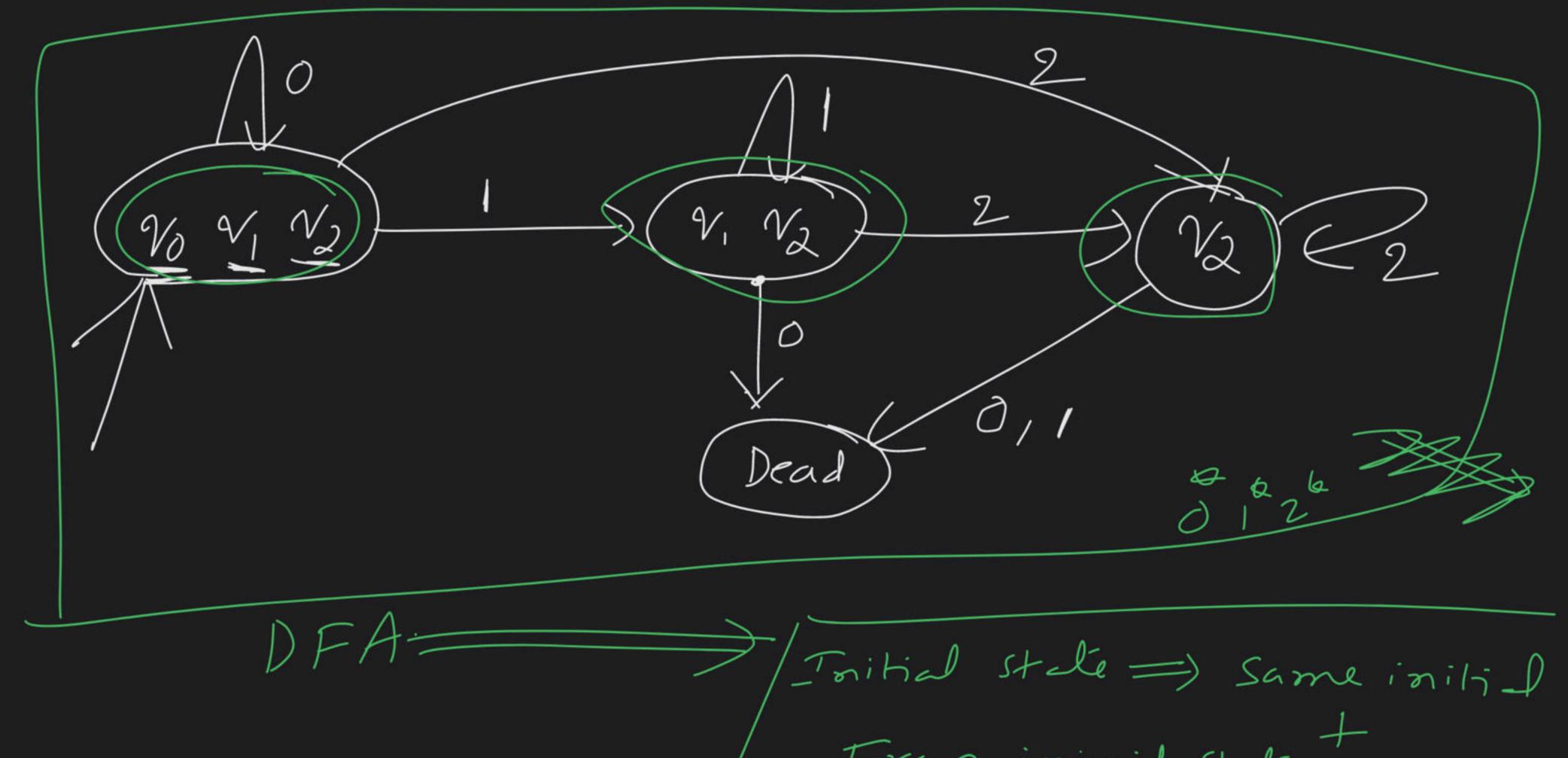
DFA:
$$\delta$$
: $Q \times \xi \rightarrow Q$

NFA: δ : $Q \times \xi \rightarrow P(Q)(w) 2^Q$
 $C - NFA$: δ : $Q \times \xi \neq UCY \rightarrow P(Q)(w) 2^Q$

NFA

FA

NFA-St-Sty 0,1 E-NFA tO NFA Conversion Find From any state Ir you can reach him



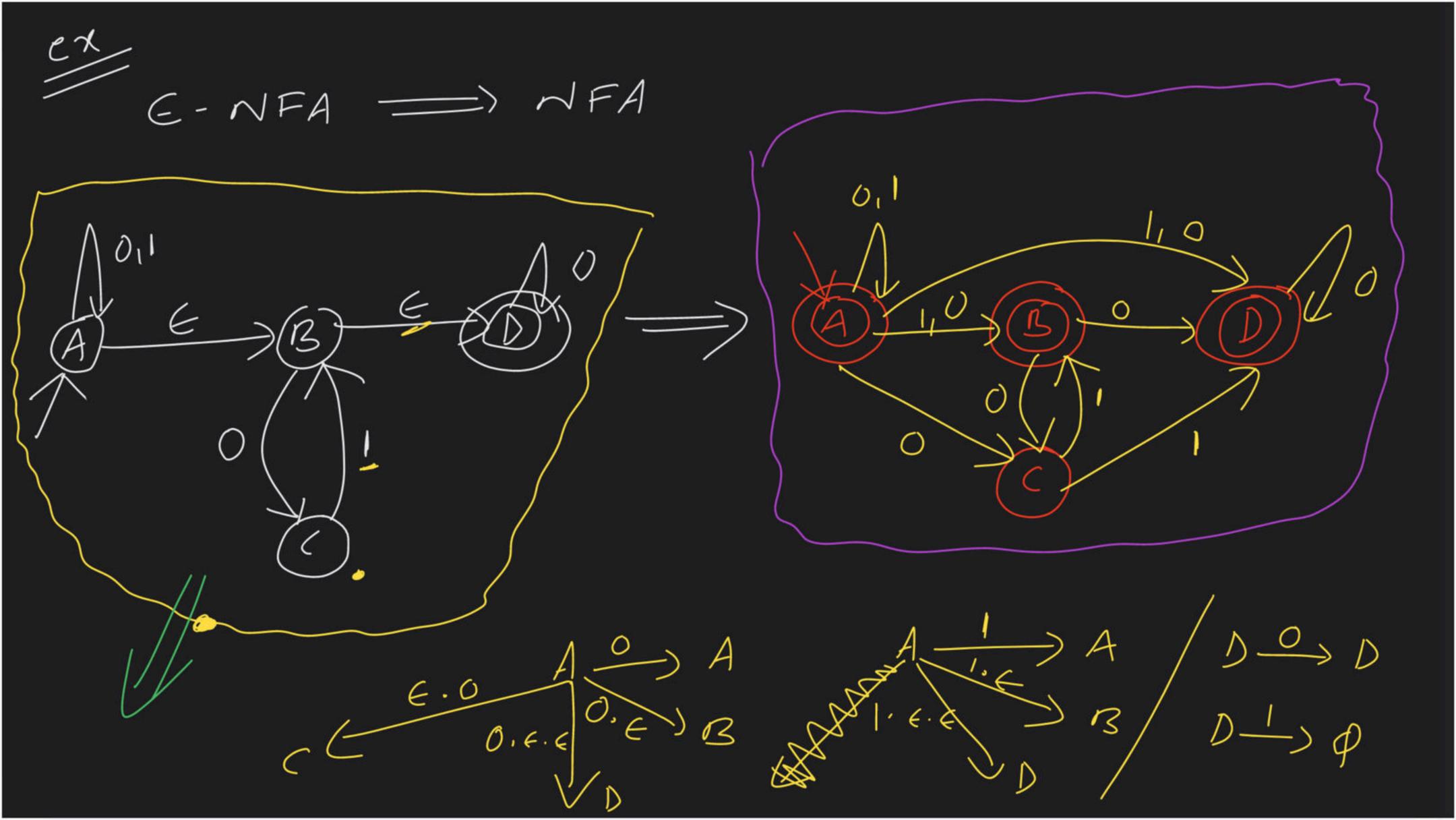
E-NFA -) DFA | E whicher make that

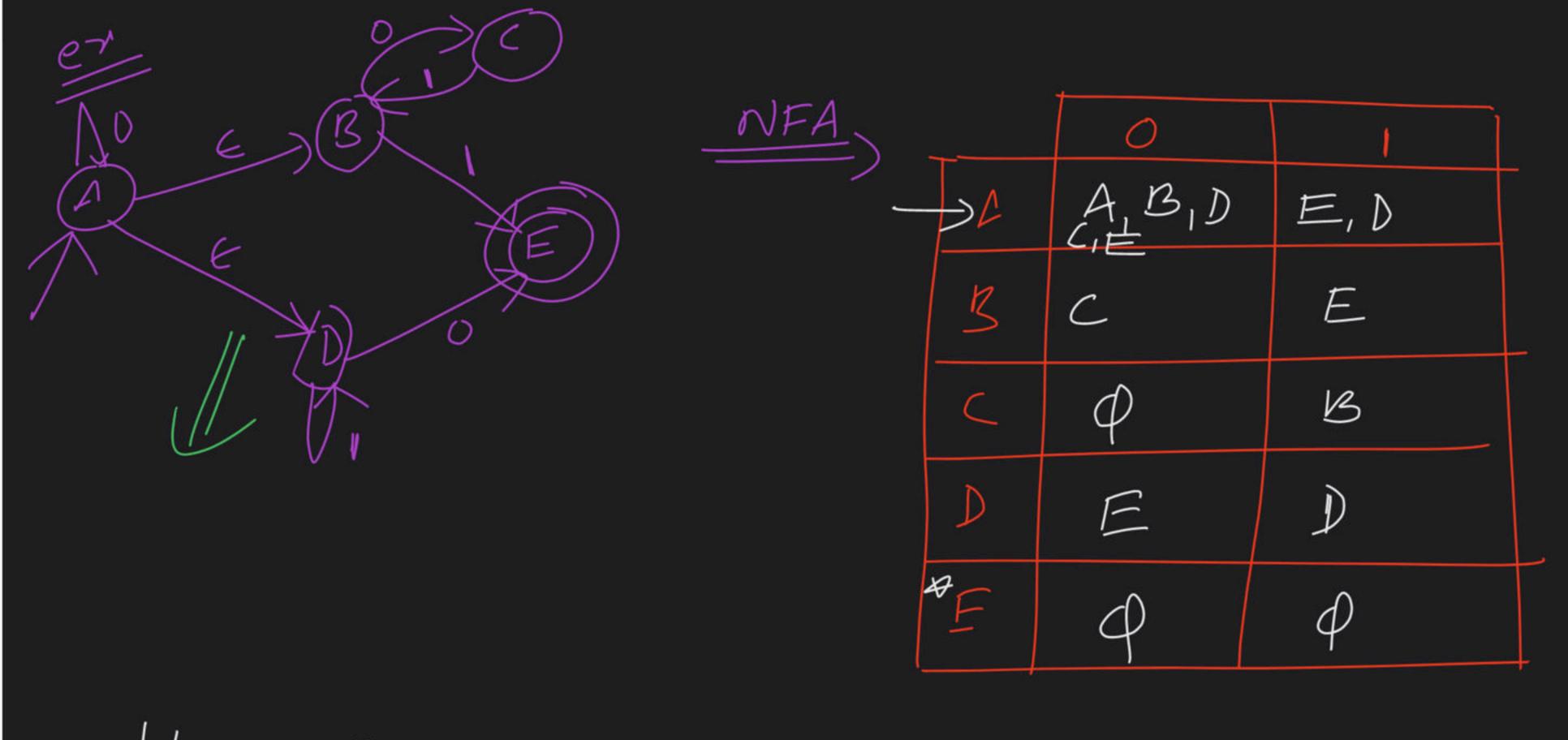
Fran ininist state by ready.

E whichen State you can so make those all post of initial.

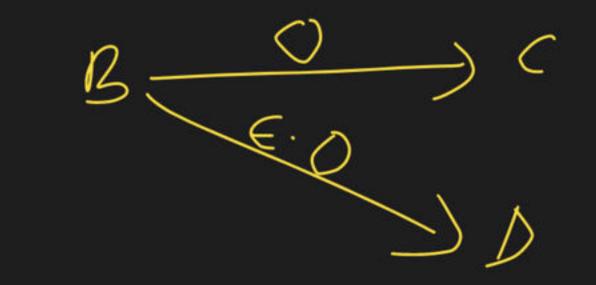
any whe it you see E-N=A find state

Then make that state of final in DFA.

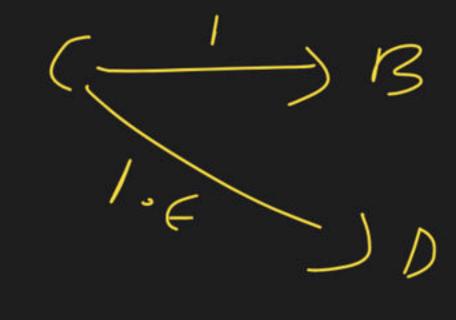




Note: From any state by readily only E it you can got tional then make that state as Linal.



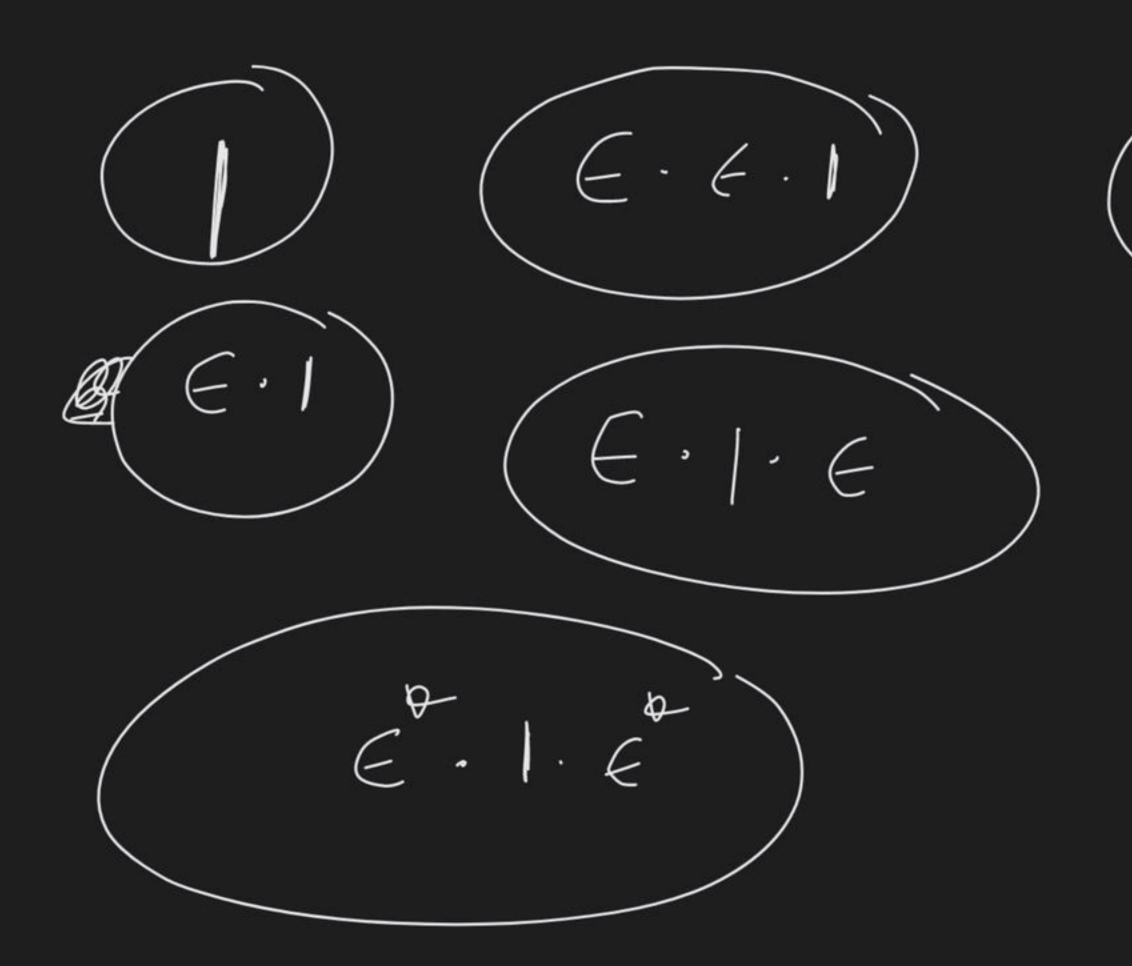
 $C \longrightarrow \emptyset$



$$\begin{array}{c} V_0 & \stackrel{\mathcal{E} \cdot 1}{\leftarrow} & V_1 \\ \stackrel{\mathcal{E} \cdot 1 \cdot \mathcal{E}}{\rightarrow} & V_2 \end{array}$$

$$\gamma_0 \stackrel{\epsilon \cdot \epsilon \cdot 2}{\longrightarrow} \gamma_2$$

$$\chi \xrightarrow{2} \psi_2$$



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