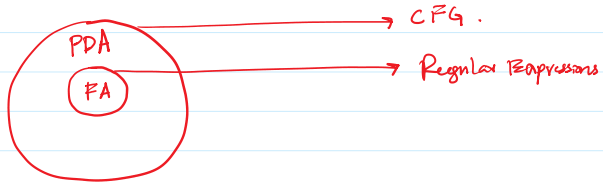


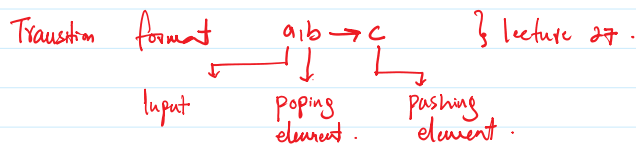
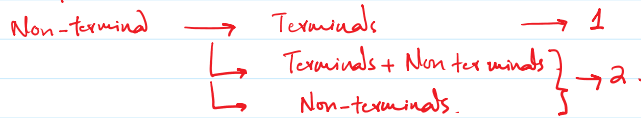
lecture 29:-

CFG to PDA Conversion.



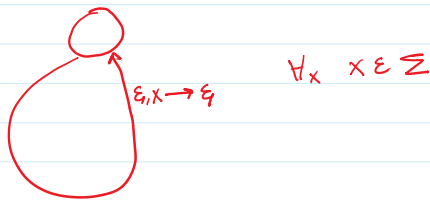
CFG Basic Syntax.

Productions format -



Step 1:-

For all Symbols of the CFG:- You need to have Transitions of the form given below.



Step 2:-

$S \rightarrow ABC$

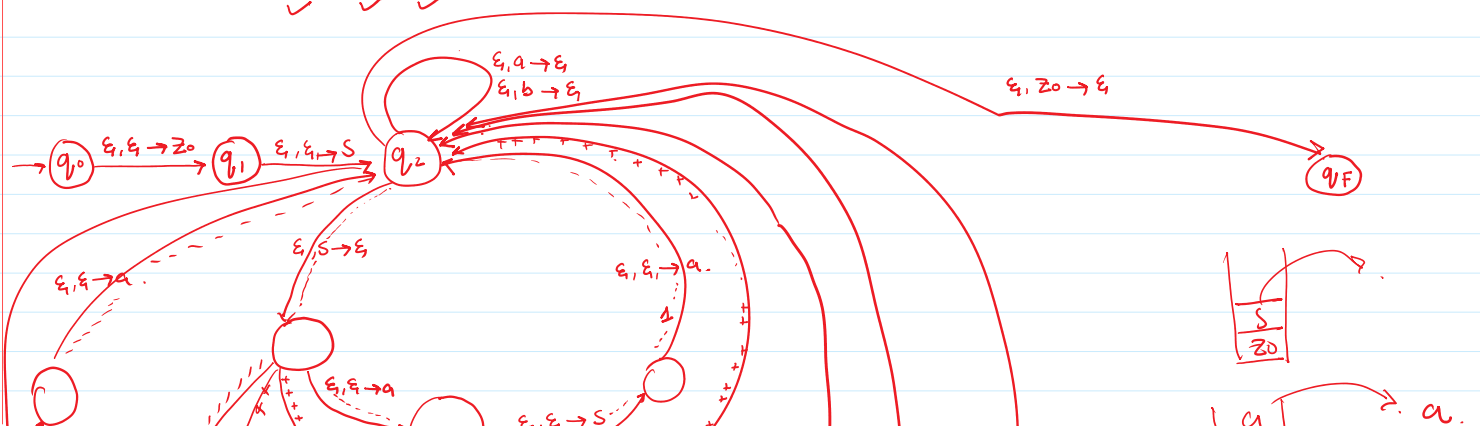


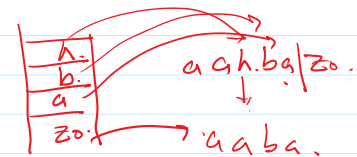
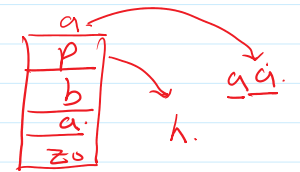
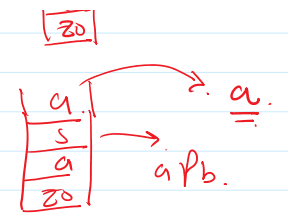
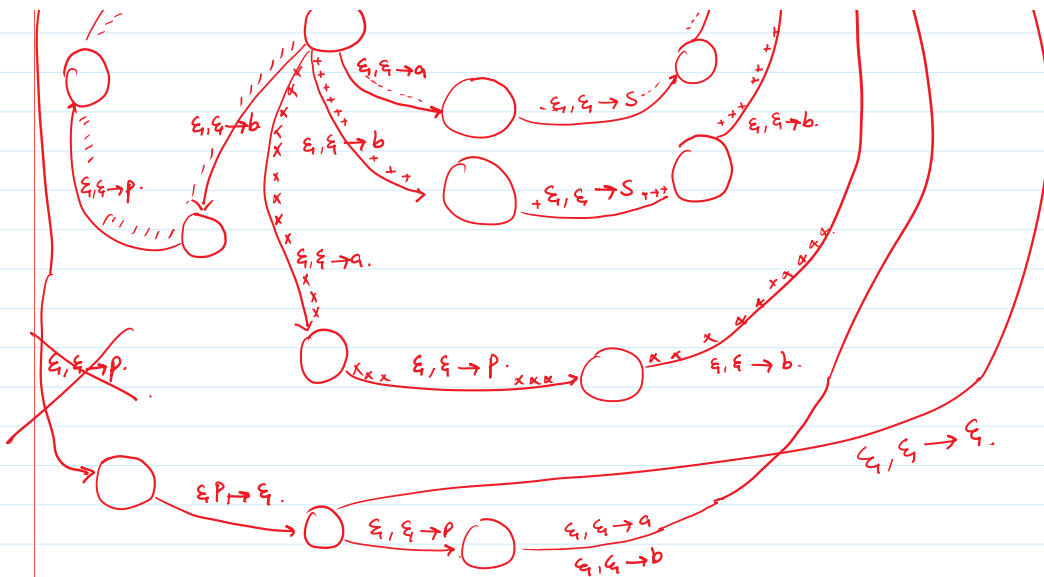
A
b
C

aaba

Ex:- $S \rightarrow aSa | bSb | aPb | bPa$
 $P \rightarrow aP | bP | \epsilon$

$S \rightarrow aSa \rightarrow a[aPb]a \rightarrow \epsilon a a b a \epsilon$





$S \rightarrow aap$

$P \rightarrow \underline{ap} \mid \underline{bp} \mid \underline{h}$

$\epsilon, \epsilon \rightarrow \epsilon$
 $\epsilon, b \rightarrow \epsilon$
 $\epsilon, a \rightarrow \epsilon$

