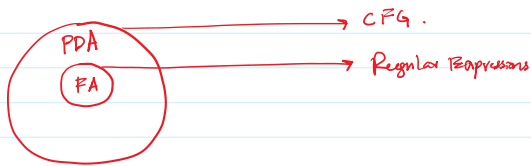
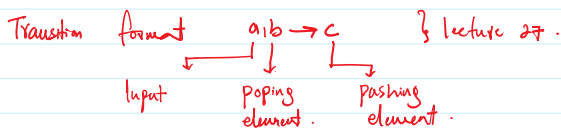
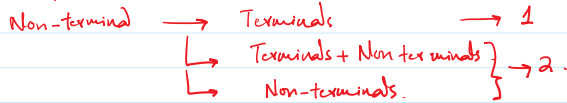


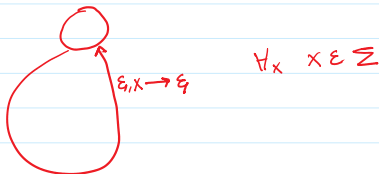
# Lecture 29: CFG to PDA Conversion.



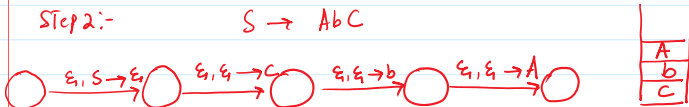
CFG Basic Syntax.  
Productions format:



Steps:-  
For all symbols of the CFG: You need to have Transducers of the form given below.



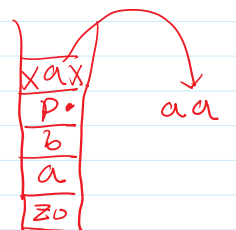
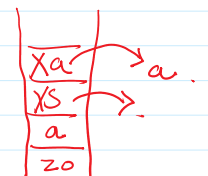
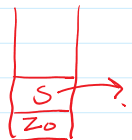
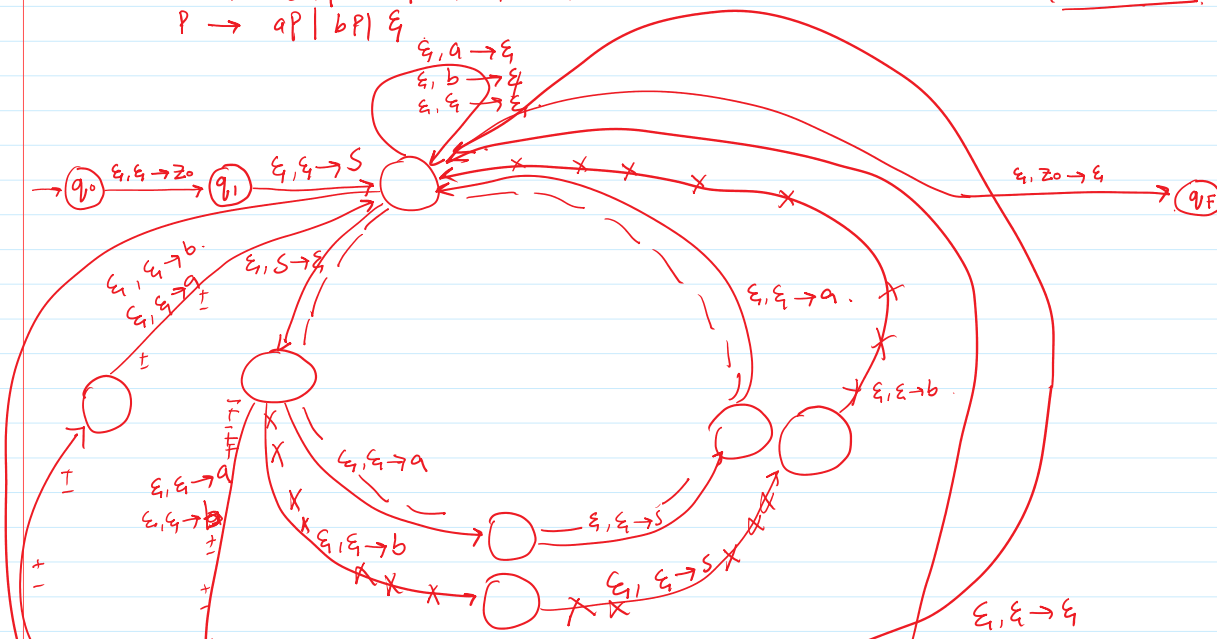
Step 2:-  $S \rightarrow ABC$

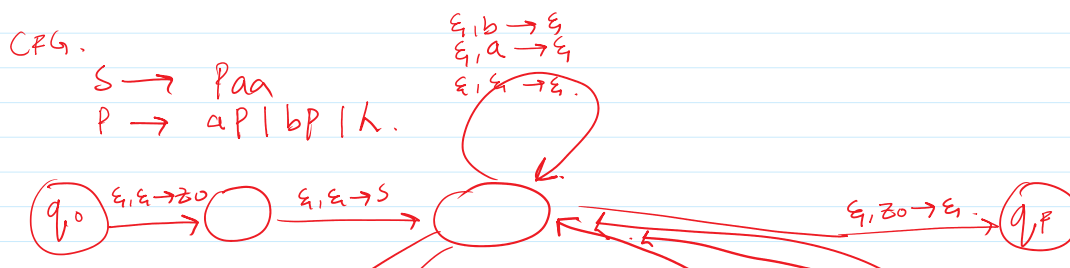
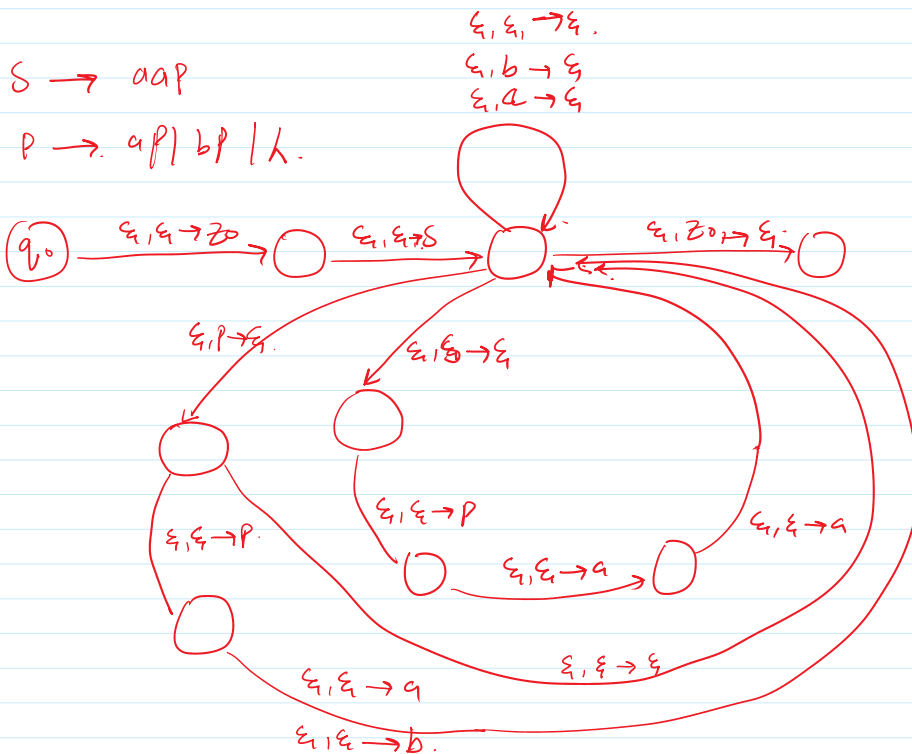
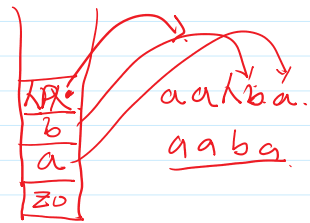
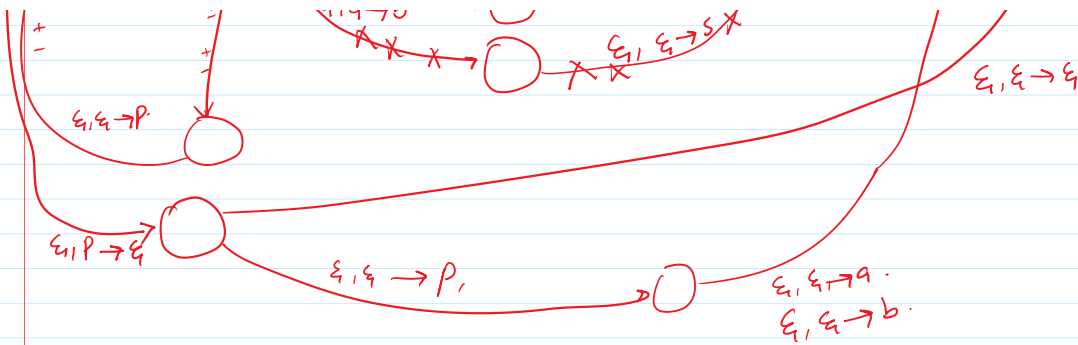


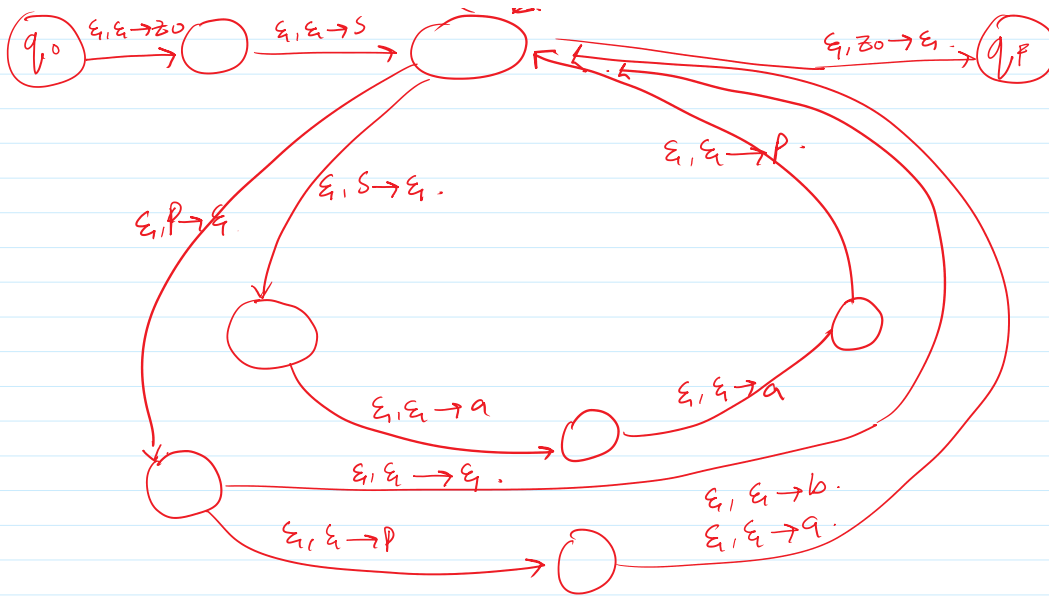
aaba.

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

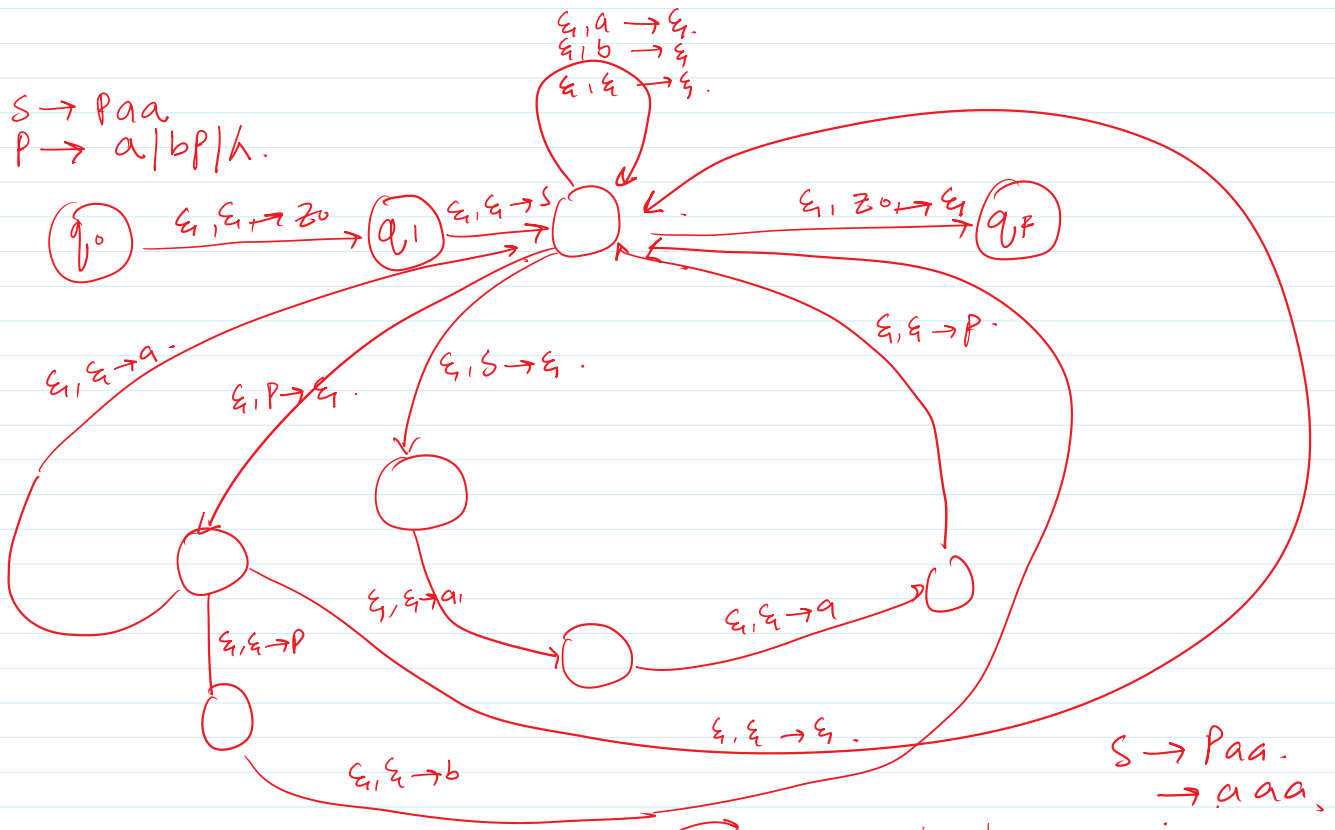
$S \rightarrow \underline{a}Sa \rightarrow a \boxed{aPb} a$   
 $\rightarrow \underline{\epsilon a a b a \epsilon}$







$S \rightarrow Paa$   
 $P \rightarrow a|bp|h.$



$S \rightarrow Paa.$   
 $\rightarrow a aa.$

