Kleene Theorem

Of a language Can be expressed by

-PA

-TG

- RG

Then it Can be expressed by -the other two.

Part1: Every language that Can be defined by FA

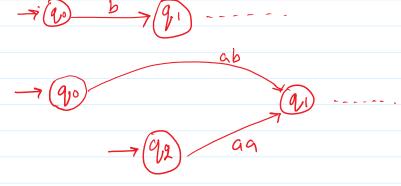
Can also be expressed Using TG.

Partzi- Every language defined by Th Can also be expressed by Regular Expression.



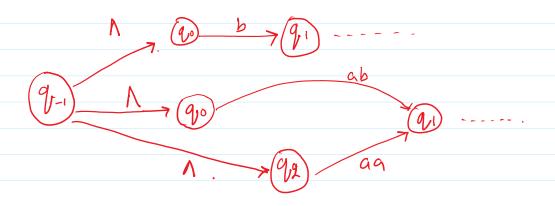
Given a TG How to Obtain RE.

Step 1:- Create A Unique Start State

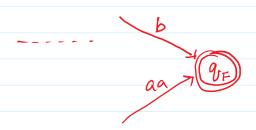


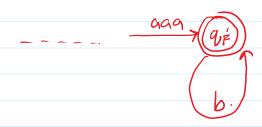
A Single TG.

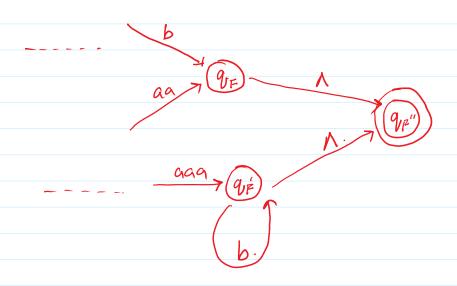
1 (q0) b > (q,1) -----

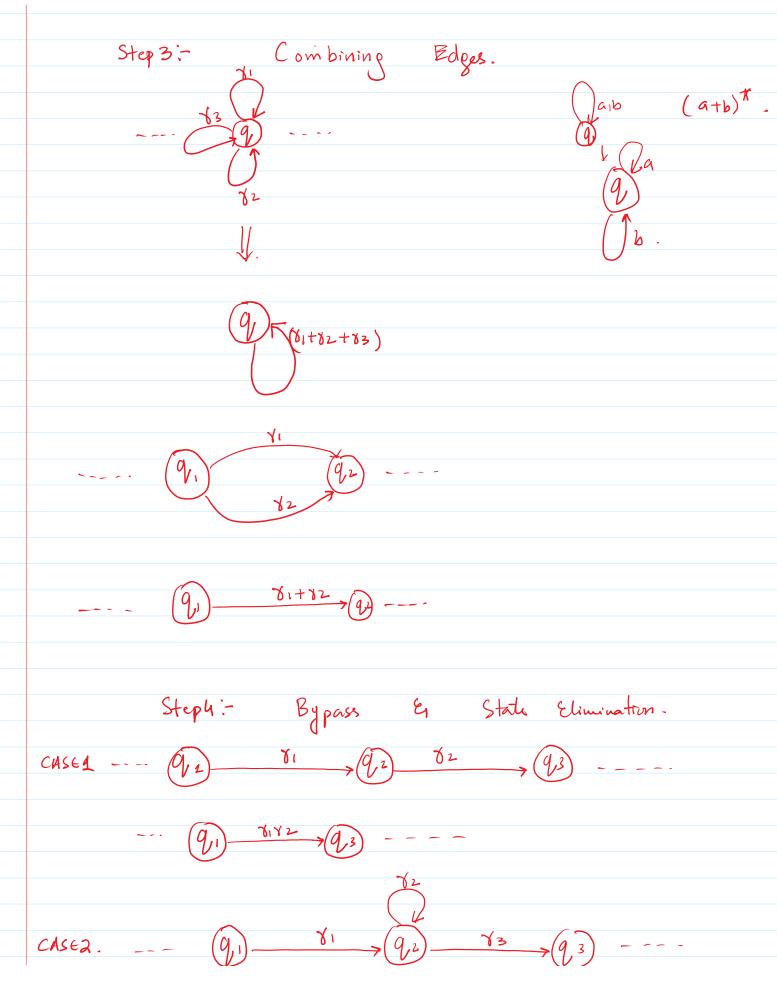


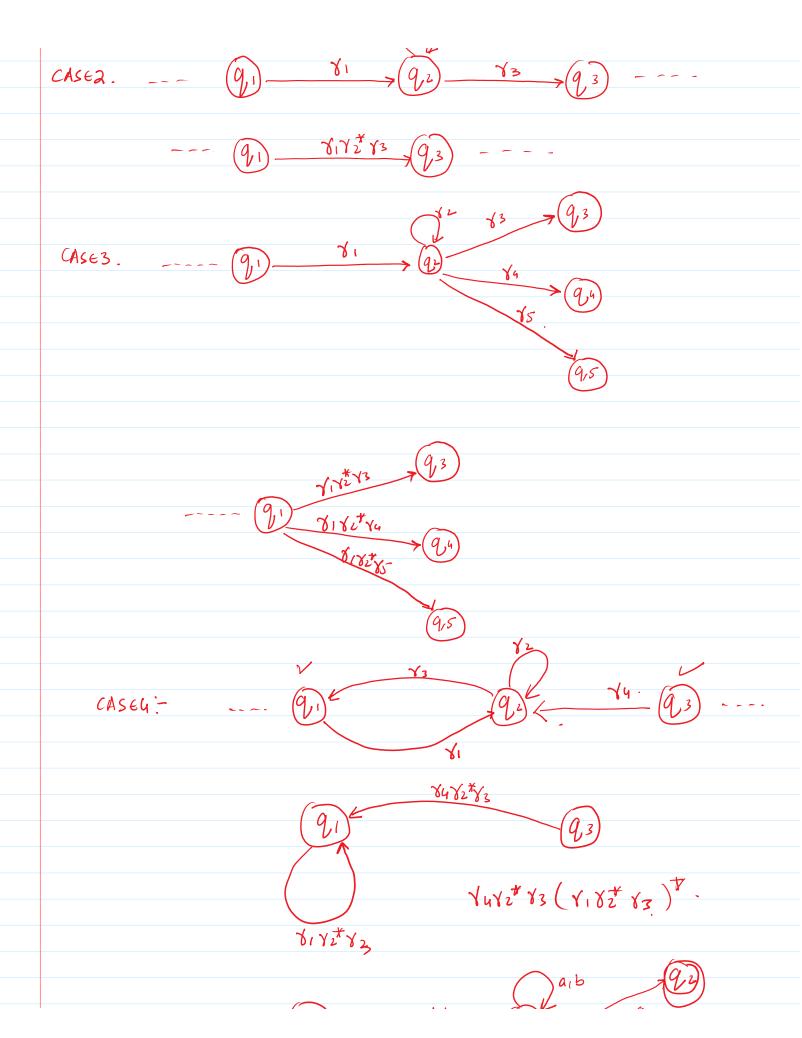
Step 2:- Create a Unique Find State.

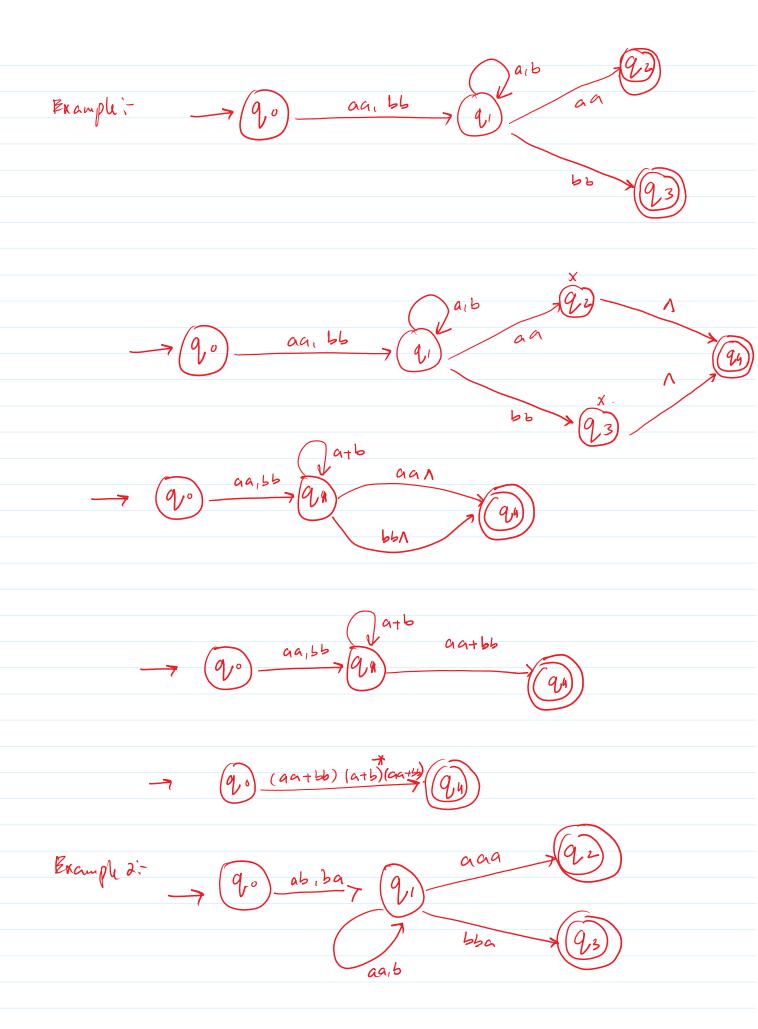


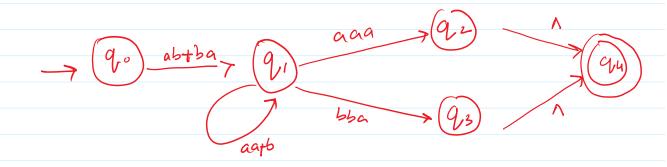


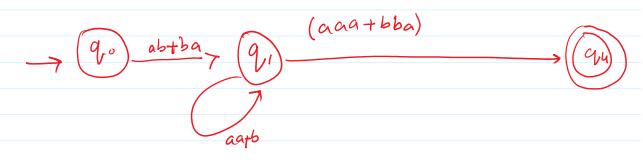












- (qo) (ab+ba) (aa+b) (aaa+bb) (qu)