Name: Nasinan Leo

Id:20-42195-1

1. A: $\{W | W = \{a,b\} \neq and number of a's and b's are equal \},$ Consider $\Xi = \{a,b\}$

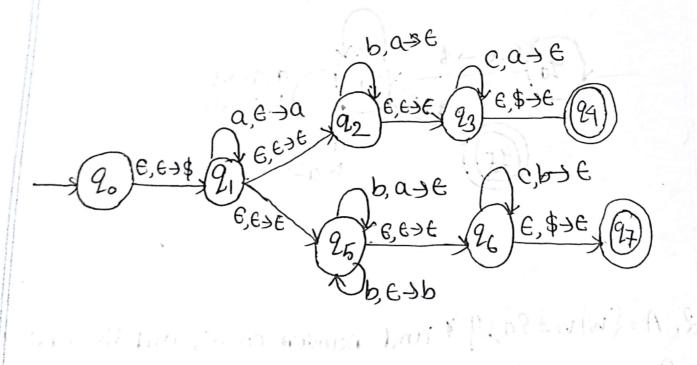
$$a, \epsilon \rightarrow \alpha$$
 $a, \alpha \rightarrow \alpha$ $a, b \rightarrow \epsilon$
 $b, \epsilon \rightarrow b$ $b, b \rightarrow b$ $b, \alpha \rightarrow \epsilon$
 $20^{\epsilon, \epsilon \rightarrow \epsilon}$ $21^{\epsilon, \epsilon \rightarrow \epsilon}$ $22^{\epsilon, \epsilon \rightarrow \epsilon}$ $23^{\epsilon, \epsilon \rightarrow \epsilon}$ $23^{\epsilon, \epsilon \rightarrow \epsilon}$ $23^{\epsilon, \epsilon \rightarrow \epsilon}$

2. A= {w|w=fa,b|* and Mumber of a's and b's are equal},

Consider Z= {a,b}

3.A= $\{a^ib^jc^k \mid \text{where } i-k=j \text{ GR } i+k=j \text{ and } i,j,k\},\}$ Consider $\mathcal{E}=\{a,b,c\}$

Consider 5. - 30.6] a.v. v.



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