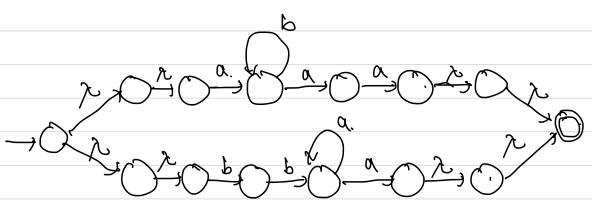


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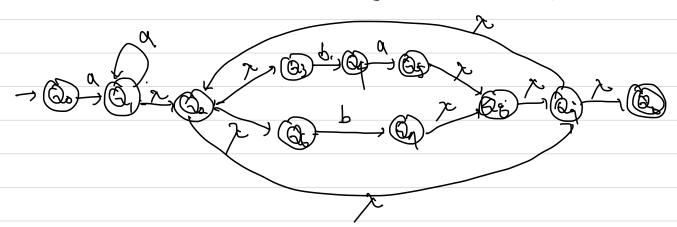
Use the construction in Theorem 3.1 to find an note that accepts the language L(abaa+bbata)



#4

Find a regular grammar that generates the language.

L(aa* Cba+b)*)



 $P: \mathcal{Q}_{3} \rightarrow b\mathcal{Q}_{1}, \mathcal{Q}_{1} \rightarrow a\mathcal{Q}_{1}, \mathcal{Q}_{3} \rightarrow b\mathcal{Q}_{4}, \mathcal{Q}_{4} \rightarrow a\mathcal{Q}_{5},$ $\mathcal{Q}_{6} \rightarrow b\mathcal{Q}_{1},$

G=(10,0,0,0,0,0,0,0,0,0,0,0,0,0)