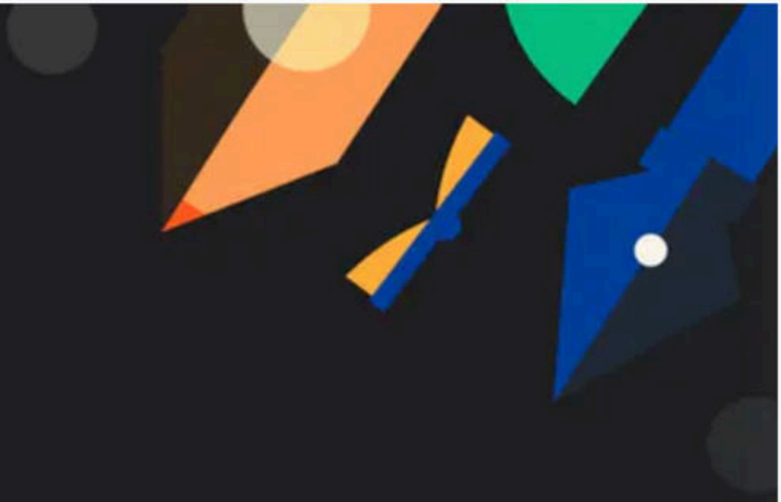
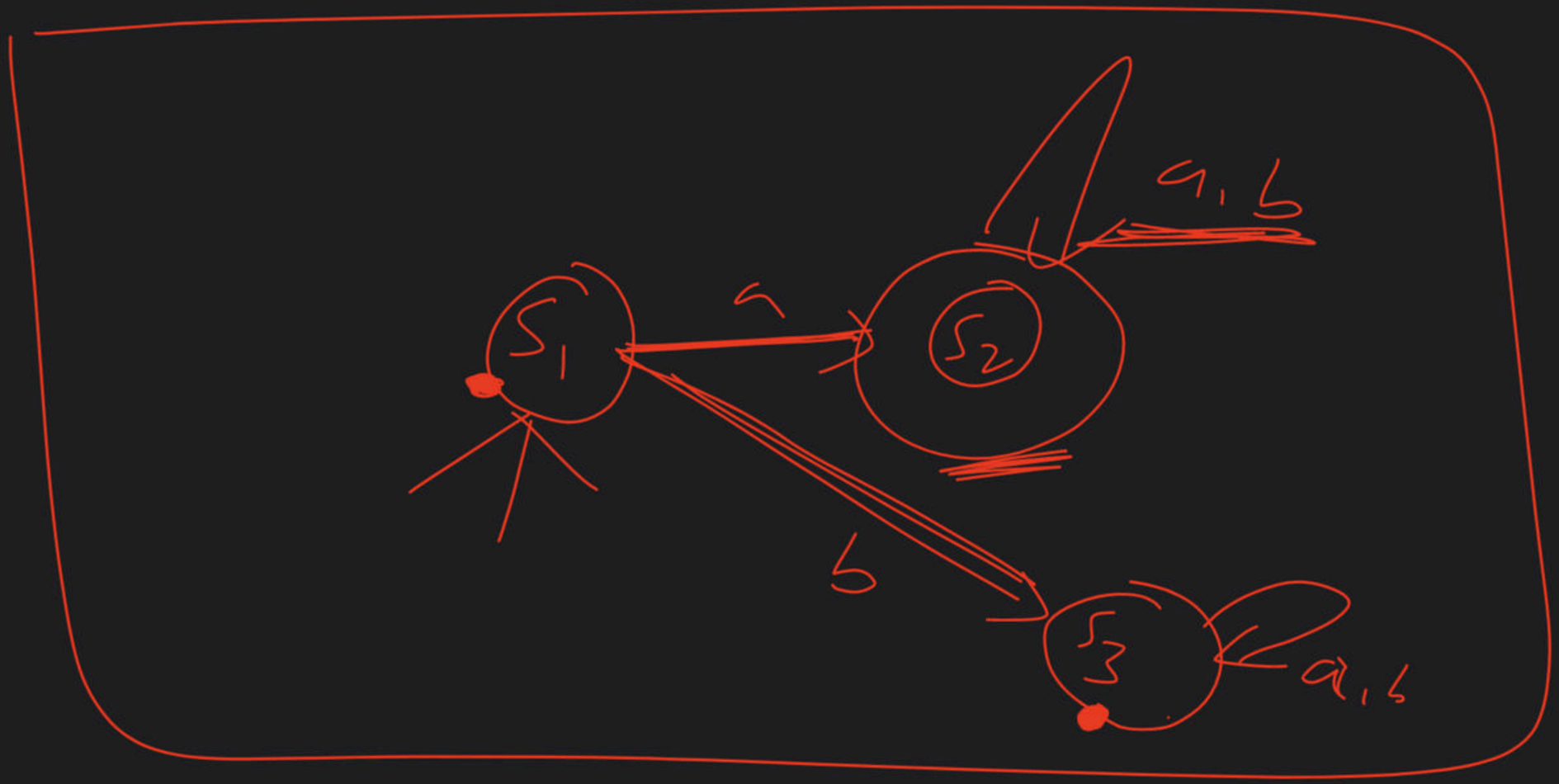


DFA Construction - III

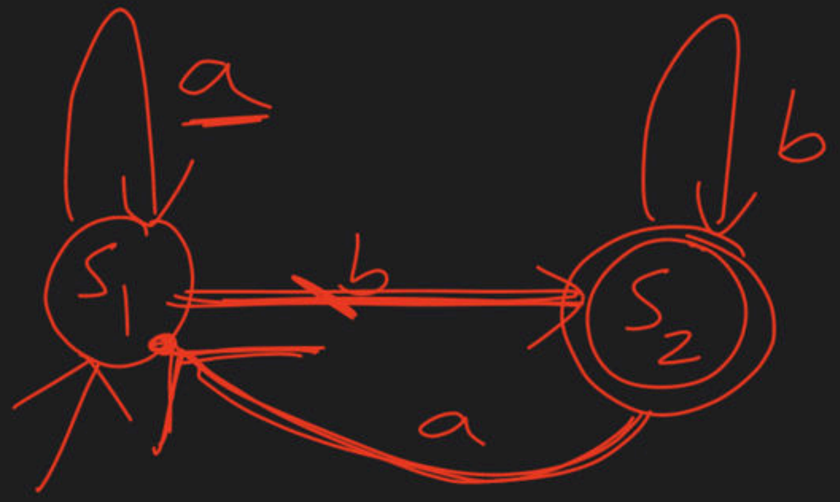
Complete Course on Theory of Computation

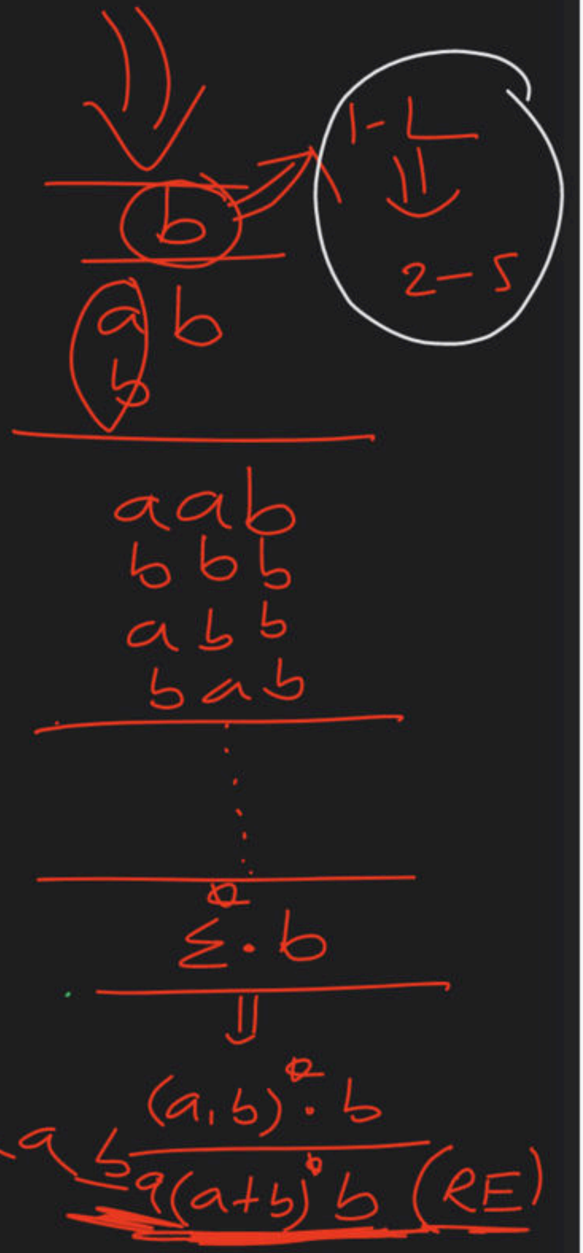
Subbarao Lingamgunta • Lesson 6 • Feb 9, 2022

$a\varepsilon^b \Rightarrow a(a+b)^b \Rightarrow \{a, a^2b\}$



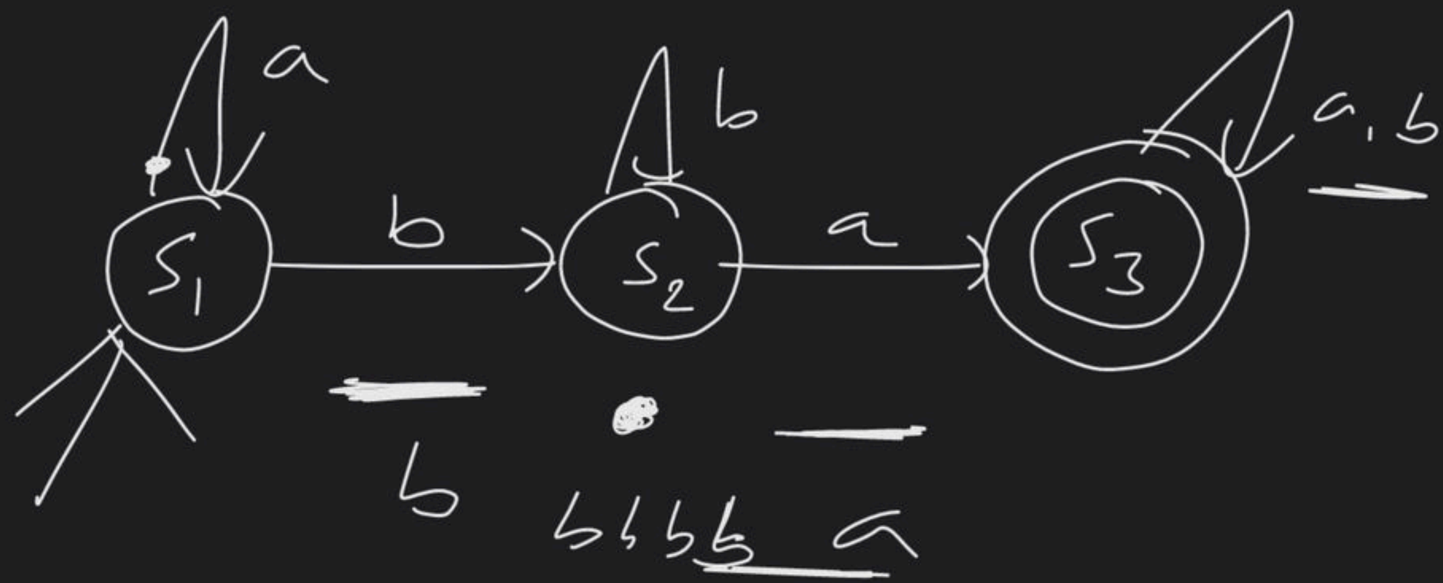
CMDFA $L = \{$ Set of all strings of a's & b's where every string end with b $\}$.





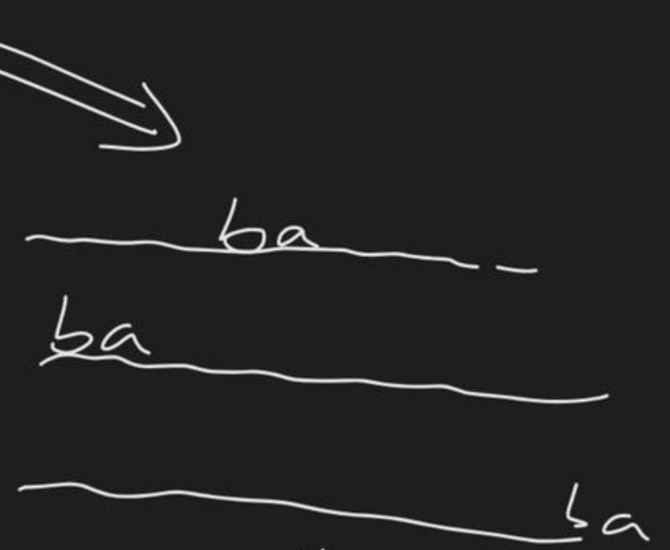
abbbbb abbbbb aaaaab

CM-DFA $L = \{$ Set of all strings containing ba as Substring $\}$



b bbbb a

3



ba → 2-L → 3-S

$(a+b)^* ba (a+b)^*$

RE

64

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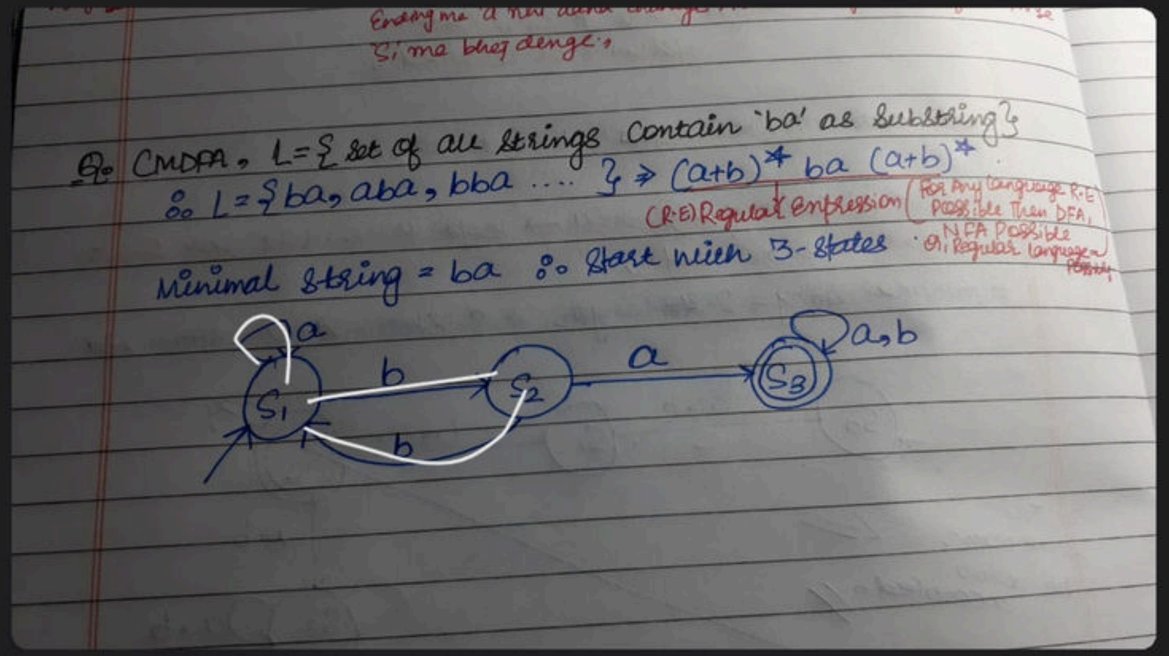
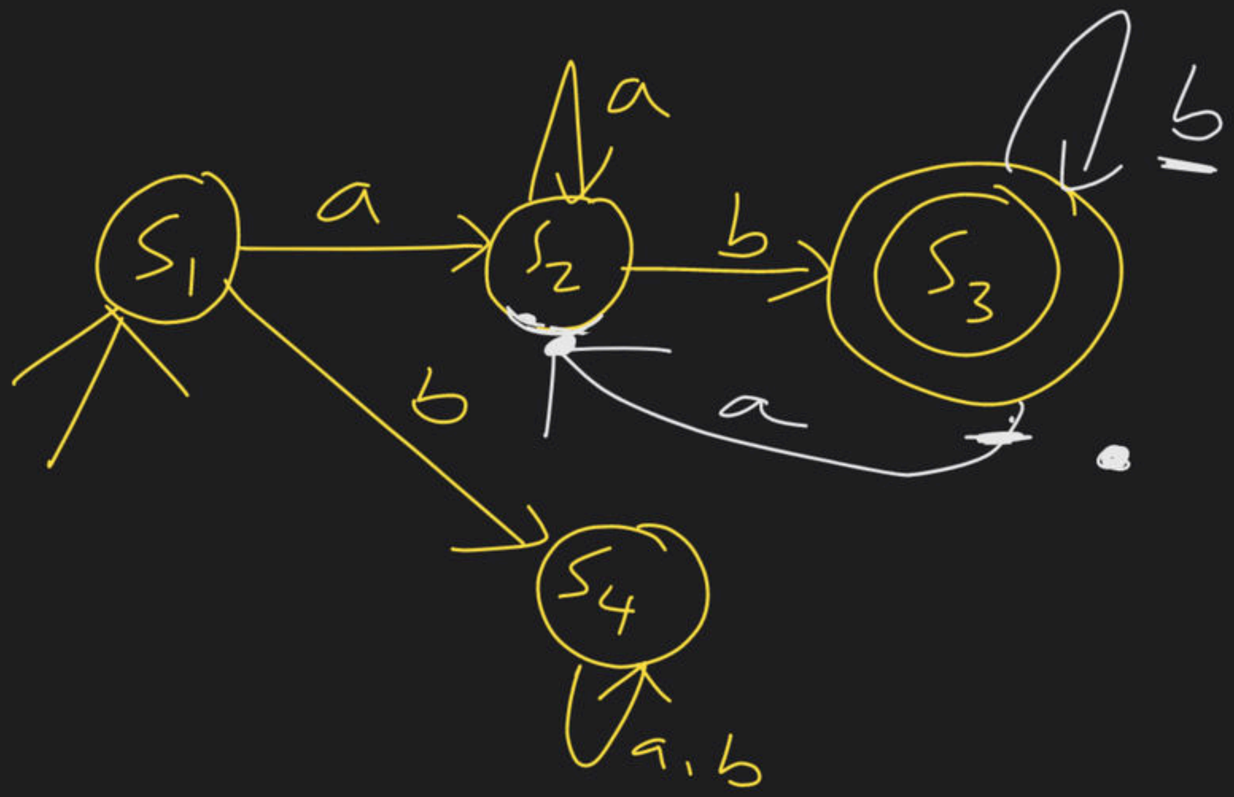
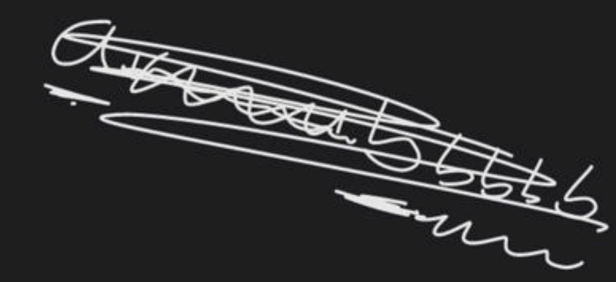
▲ 1 • Asked by Kabir

sir.. see this figure once



CM-DFA $L = \{$ All strings of a's & b's where every string start with a and end with b $\}$





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