

CSE103 Homework 9

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March 12, 2020

Language being referenced in this homework assignment comes from Canvas under Files \rightarrow Handouts \rightarrow CKY Algorithm Notes.pdf

Language \mathcal{A} :

$$S \rightarrow AB \mid BA \mid SS \mid AC \mid BD$$

$$A \rightarrow a$$

$$B \rightarrow b$$

$$C \rightarrow SB$$

$$D \rightarrow SA$$

Problem #1: Is string $babaab \in \mathcal{A}$?