Homework #7 due December 26,2023 before recitation

Question 1

A CFG is called right linear if all productions are of the form $A \rightarrow a B$ or $A \rightarrow e$ and called left

linear if all productions are of the form $A \rightarrow B$ a or $A \rightarrow e$ where $A, B \in V$ and $a \in T$ and e is the

empty string.

Show that both right linear and left linear grammars generate regular languages. Specify finite

state machines corresponding respectively to right and left linear grammars.

Main Text: Exercise 7.1.3, 7.1.4, 7.2.1 (b), (c), 7.4.3(b), (c)