Northern Michigan University (Marquette Co, MI)
CS 522-01-23W: Principles Of Programming Languages

Assignment 3
Due: Wednesday 27 February 2023 2:00 P.M. EST

Create a directory called "HW3" at the top level of your CS522-01-23W folder on PHILOS. You should solve this problem in either a text file (.txt) or an MS Word file (.docx). Place this file inside your HW3 folder along with an empty file or folder named DONE .

From the textbook do

Exercise 1, p. 89

Exercise 1-2 p. 90

Exercise 1-5 p. 99

Prove that over the alphabet $\Sigma = \{a,b\}$ that the language $\{ww \mid w \in \Sigma^*\}$ is not context-free. (The language consisting of all strings of even length whose first half exactly matches the second-half: aa, booboo, etc.)