PHY 494 Honors contract

# Problem

The problem being addressed with this project is that of creating useful Markov chains based on a reference text. This project should create such a construct and be able to use it to generate text with the same patterns as the given text.

# Approach

I will be using Python to achieve this due to Python’s ability to simply read and write text files and separate sentences into lists. I will be looking at the files and looking at the words to come after them as probability weights for generating text.

# Objectives

This program should (1) create text with the same statistical properties and grammar as the input text, (2) is able to recognize when a sentence starts/ends and construct sentences that start and end with the appropriate characters, and (3) is able to easily use different input texts to create its sentences.