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Week 5 beginning Monday 18th October 2021 (CS370)

This week I learned the concept of lambda calculus which is a universal model of computation that can be used to simulate any Turing machine and is esoteric at the beginning with the studying. At the Computation & Complexity tutorial, I learned the abstract notion of Reducibility, which can easily sum up as a way to simplify the problem. At the same time, the lecturer gave us three examples to deeply explain how to apply the concept to the different sets that the lecturer taught us before. In the other class, I learned the Thompson Algorithm that is able to transform one or more NFAs into a DNF and the basic structure of the convolution neural network (CNN: input layer, hidden layer, and output layer). Out of the class, I found an appropriate book about Machine Learning and I am going to accomplish it before the first semester. Until now, I think the biggest problem I have is the language barrier, therefore I must take some time to keep studying English every day.