Homework 8

Due March 13th

Exercises: 231 of the book

Code: Make your own algorithm that takes in a large sparse matrix and generates the vectors **value**, **row**, and **col** as discussed in class regarding Compressed Row Storage (CRS). Then write a program which performs matrix-vector multiplication with the matrix represented as CRS vectors and show that it works. This can be found in the book. In addition, write an algorithm that multiplies *two* CRS matrices together. Make use of the similarities between matrix multiplication and vector multiplication