18.701 Problem Set 5

This assignment is due Friday, October 16

Please don't forget that an eigenvector is not allowed to be zero.

1. Chapter 4, Exercise 1.4 (*rank one matrices*)

2. Chapter 4, Exercise M.1 (*permuting entries of a vector*)

3. Chapter 4, Exercise M.4 (*infinite matrices*)

4. Chapter 4, Exercise M.7 (*powers of an operator*)

5. Chapter 4, Exercise M.10 (*eigenvectors of AB and BA*)

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