18.702 Problem Set 6

due Monday, April 11

Do the next two problems, but don't hand them in.

A. Chapter 14, Problem 7.3. (*some presentations*)

B. Chapter 14, Problem 7.4. (*some presentation matrices*)

Hand these in.

1. Chapter 14, Problem 1.4. (*Schur's Lemma*)

2. Chapter 14, Problem 4.5. (*lattices in the plane*)

3. Chapter 14, Problem 8.4. ($tI - B$ *as a presentation matrix*)

4. Chapter 14, Problem M.5. (*matrices that send a lattice to itself*)

5. Chapter 14, Problem M.8. (*algebraic integers form a ring*)

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18.702 Algebra II
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