

**18.702 Homework for Friday, February 11**

1. Chapter 10, Exercise 2.3(a) (*representations of  $S_3$  are small*).
2. Chapter 10, Exercise 2.3(b) (*irreducible representations of  $S_3$* ).
3. Show that every irreducible representation of  $S_3$  can be realized using matrices with integer entries.

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