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Today: Decidability. §§ 4.0–4.1. Next class: Undecidability. §§ 4.2.

Reminders: Homework. Reading. Newsgroup.

- 1. List the members of your group below. Underline your name.
- 2. Prove or disprove: The set of infinite strings over the alphabet {a, b, c} is countable.

3. Prove or disprove: The set of three-dimensional integer lattice points is countable.

4. Prove or disprove: The set of all syntactically correct Python programs is countable.

5.	Prove	or	disprove:	The	language	of	context-free	grammars	that	generate	the	empty
	string i	is (decidable.									

6. Prove or disprove: The set of strings that are Python programs that each output 0 for all inputs is a decidable language.