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**Today:** rod-cutting contd.; fundamentals of alg. analysis. § 15.1; §§ 2.\*. **Next class:** dynamic programming contd. §§15.{2,3}; 1.\*, 3.\*. **Reminders:** Read material *before and after* class. Work on exercises. Newsgroup.

- 1. List the members of your group below. Underline your name.
- 2. Prove or disprove: If  $f(n) = \Theta(g(n))$ ,  $g(n) = \Omega(h(n))$ , and  $h(n) = \omega(q(n))$  then  $f(n) = \Omega(q(n))$ .

3. Provide pseudocode for *selection sort*, using the textbook's style.

4. Sketch the proof of correctness of the pseudocode in Question 3 using loop invariants.

5. Analyze the running time of the pseudocode of Question 3 following the method used in the textbook's analysis of insertion sort.