1. Write down driving directions for going from your school to your home with the precision required from an algorithm’s description.
2. Write down a recipe for cooking your favorite dish with the precision required by an algorithm.
3. Design an algorithm for computing L√nJ for any positive integer n. Besides assignment and comparison, your algorithm may only use the four basic arithmetical operations.
4. Design an algorithm to find all the common elements in two sorted lists of numbers. For example, for the lists 2, 5, 5, 5 and 2, 2, 3, 5, 5, 7, the output should be 2, 5, 5.What is the maximum number of comparisons your algorithm makes if the lengths of the two given lists are m and n, respectively?