1.) Using Euler’s theorem, determine if a given graph has an Euler circuit. Find one Euler circuit starting at a specified vertex. (Reference: Question 1 in Quiz 1.)

2.) Eulerize a rectangular street network. (Reference: Question 2 in Quiz 1.)

3.) Solve a Traveling Salesman Problem by (i) using “method of trees” (as in Question 1 in Quiz 2); (ii) using nearest neighbor algorithm (as in Question 2 in Quiz 2); (iii) using sorted edges algorithm. (Another reference: Question 29 on page 66.)

4.) Counting Problem (Reference: Question 3 on Quiz 2; Questions 19–23 on page 65.)