1. (5 points) DPV Problem 4.1 (page 120).
2. (5 points) DPV Problem 4.2 (page 120).
3. (10 points) DPV Problem 4.13 (pages 121-122).
4. (10 points) DPV Problem 4.20 (pages 124-125). Note: you can assume that the graph representation is undirected (don’t worry about one-way streets). Your algorithm should not have asymptotic complexity that is worse than the sum of the asymptotic complexity of Dijkstra’s algorithm and the length of the list $E'$.
5. (10 points) DPV Problem 4.21 (page 125).