1. exercise 5, p 190. Let the locations of the houses be \( c_1, c_2, \ldots, c_n \). Describe carefully your greedy choice and show that it has an exchange property.

2. exercise 15, p 196

3. Consider the low-altitude problem of exercise 20, pp 199-200. Do not solve the MST problem, but instead modify Dijkstra’s algorithm to find the lowest altitude path from starting node \( s \) to all other nodes.

4. exercise 24, pp 200-201