EXERCISE 10:

1. Consider the following undirected weighted graph $G(V,E)$, where $V$ represents the German cities and $E$ represents the connections between the cities. Let the green vertices be the terminals (sources and destinations).

   - Compute the Steiner tree using the algorithm based on the MST from the lecture?
   - How many Steiner points are formed?

2. Given a graph with $n$ nodes and $m$ terminals.

   - What is the maximum number of Steiner points in the Steiner tree?
   - What is the maximum number of edges in the Steiner tree?