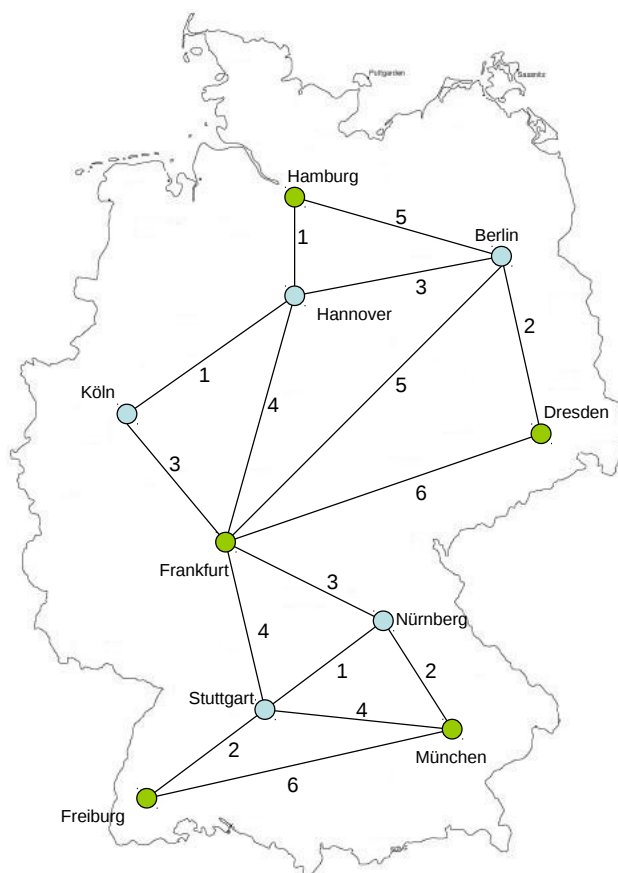Exercise for the lecture
Algorithms for Radio Networks
Winter 2011/12
Sheet 10

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?