Description

1. You are given the Sioux Fall Network shown in Fig. 1
2. The network data is given in the attached file. “SiouxFalls_net.tntp”
3. Each link is associated with a free_flow_time, which you can find from the data file.
4. Your task is to code a program using C++, C# or Python to find the shortest path between any two pairs of nodes based on the free_flow_time.

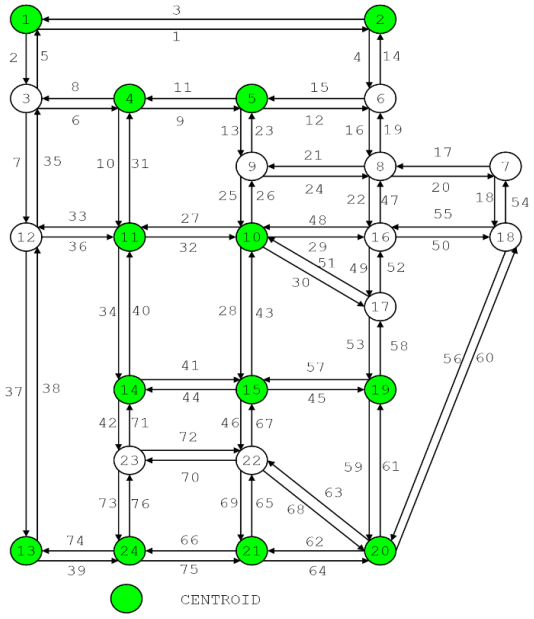

Fig. 1. Network

More descriptions of the network can be found at

https://github.com/bstabler/TransportationNetworks

The expected output of your program

1. The sequence of the nodes traversed by the shortest path
2. Travel time of the shortest path
3. [Option] Total computation time

What you should submit

1. Code with comments
2. 1-2 pages short description of your code and how I can use it to find the shortest path between any two nodes.

Deadline: 17-June-2022, 23:59 Copenhagen Time