**Appetizer:**

Download data with **OSMnx**.

Choose the data within bbox [11.5430, 48.1249, 11.6104, 48.1510] (Central Munich)

Number of street links eligible for pedestrians will vary depending on filters.

**What is done:**

Created

**Main Course:**

Understand Two-Q Pallottino algorithm and then apply it on the data.

For path reconstruction we can use only standard libraries.

Nearest node searching we can use third-party codes.

We should have a function which yields

Function two\_q (graph, source, target):

* Route

graph is the data structure containing nodes and links from the raw OSM network

source is the origin node id of the path

target is the destination node id of the path

route is the found shortest route containing the nodes sequentially on the path

**Dessert:**

Visualize the new routes found by the algorithm.