## Networks and Complexity Solution 3-11

This is an example solution from the forthcoming book Networks and Complexity.

Find more exercises at https://github.com/NC-Book/NCB

## Ex 3.11: The best bridgewalk [5]

Formulate an efficient algorithm that finds the shortest eulerian circuit in a given network. (Of course every eulerian circuit will involve all bridges, but in a real city different eulerian circuits may cover very different distances while walking from one bridge to the next.)

## Solution

In contrast to most unsolved problems, this one is not very famous. This means the chances are higher that there is an elegant solution. A good way to start is probably to define a distance matrix for the each node that describes the distances between bridges in the respective node.