![SUSMILE logo]

Successful online learning for sustainable last mile logistics

<div style="background-color:green">

Practical activity #5 - ANSWERS

Chapter 3

Student EQF level: 5-6

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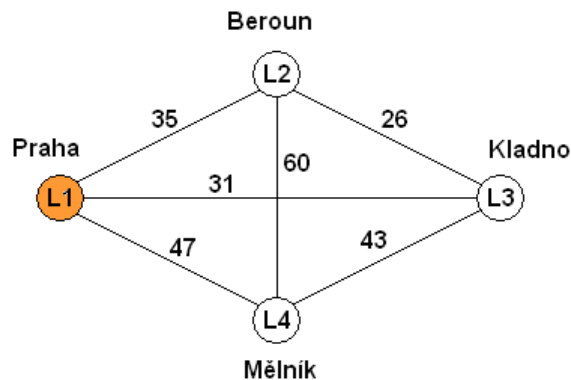*Author:* CLA, SUSMILE Consortium member

Instructions

This activity might be done with different input data than presented in the SUSMILE practical activity. This type of exercise should help the teachers and students implement real life facts into the lessons, flexibility of the data is recommended.

Notes for teachers

This activity aims mainly at student´s aweness of their future professional field and expertise in its practical usage. At the same time it enhances their independence and evaluation skills.
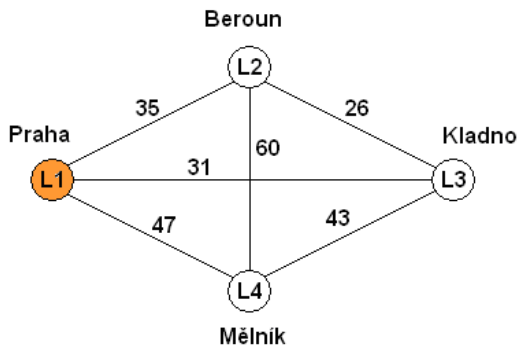
Exercise 1:

After entering the start and end locations, the following distances were determined :

susmile

*Successful online learning for
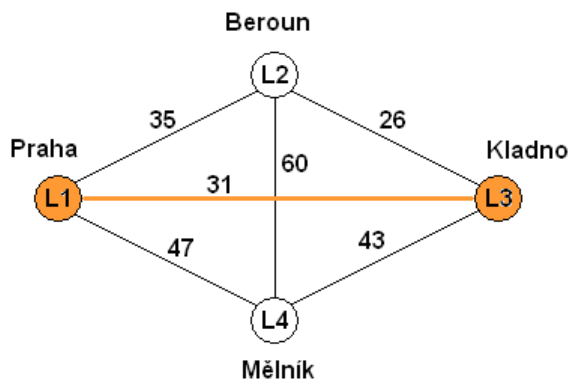sustainable last mile logistics*

Exercise 2:

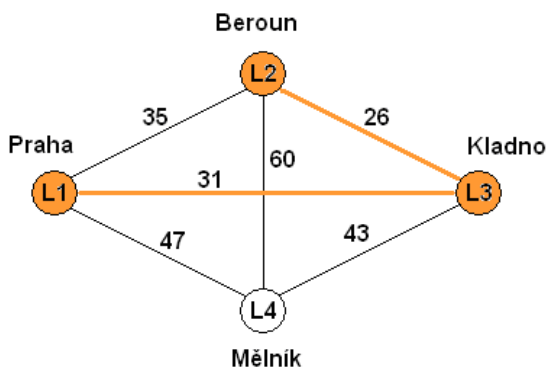The circular route should be determined using these schemas :

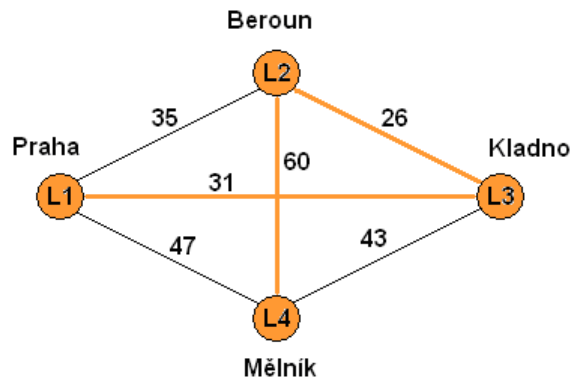- with the starting point at the distribution centre in Prague

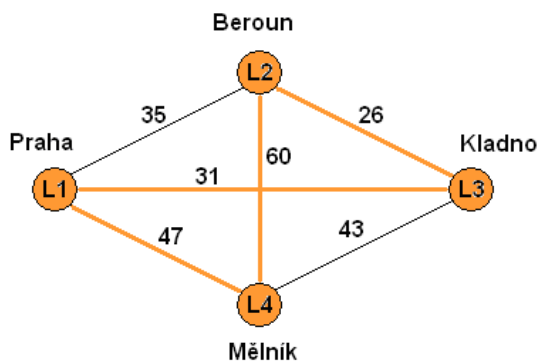- assigning the shortest route to the nearest outlet in Kladno

-assigning the shortest route to the nearest unvisited store in Beroun

- assigning the shortest route to the nearest unvisited shop in Mělník

- ending the journey at the distribution centre in Prague

Evaluation

As the shortest route in servicing the stores, the circular route **Prague/Praha - Kladno - Beroun – Mělník- Prague/Praha** was planned with a total distance travelled of **164** km. Applying the above procedure therefore allowed us to determine the minimum distance travelled when servicing and the order of servicing the stores.