SUSMILE
Successful online learning for sustainable last mile logistics

Practical activity #6 - ANSWERS

Chapter 3

Student EQF level: 5-6

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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:

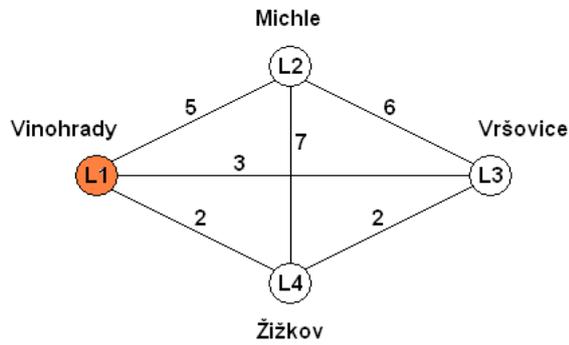After entering the start and end locations, the following distances were determined :
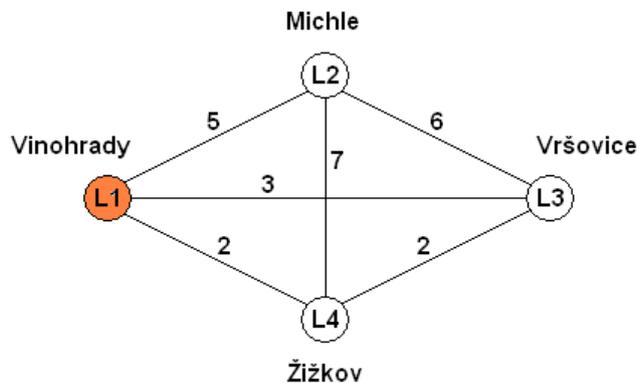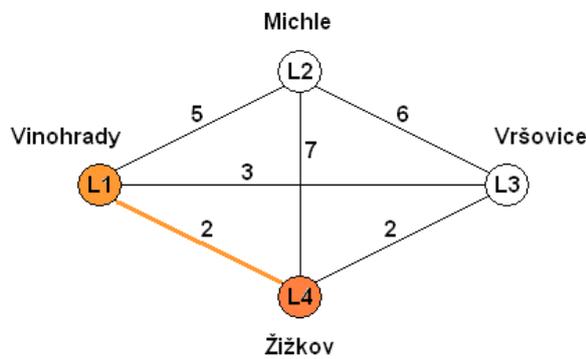

Exercise 2:

The circular route should be detrmined using these shemas :

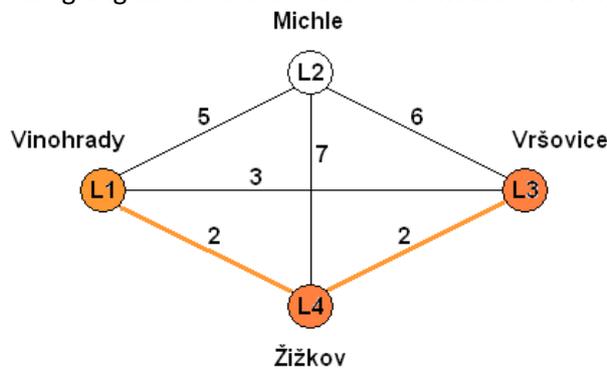**Successful online learning for sustainable last mile logistics**

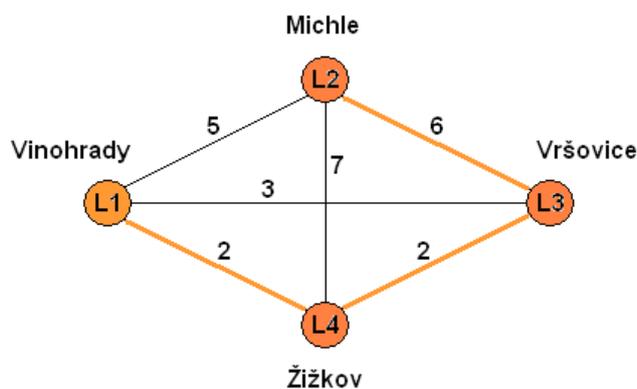- with the starting point at the distribution centre in Vinohrady

- assigning the shortest route to the nearest outlet in Žižkov

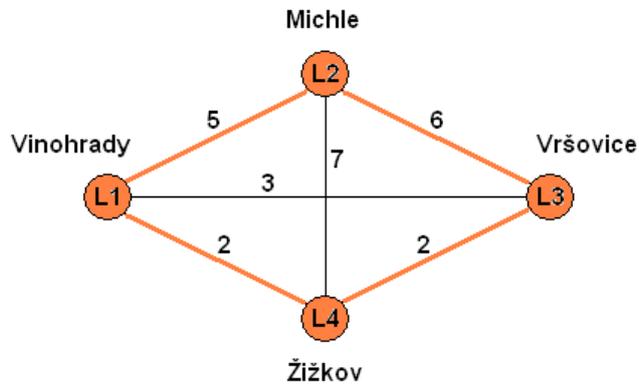

-assigning the shortest route to the nearest unvisited store in Vršovice

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

- ending the journey at the distribution centre in Vinohrady

Evaluation

As the shortest route in servicing the stores, the circular route **Vinohrady - Žižkov - Vršovice - Michle - Vinohrady** was planned with a total distance travelled of **15** km. Applying the above procedure therefore allowed us to determine the minimum distance travelled when servicing and the order of servicing the stores.