Going to university

Difficulty level: beginner

Keywords

- Graph theory
- Directed graphs
- Dijkstra's algorithm

Problem description

On February 11, you are expected at the Engineering departments of the University of Brescia. Here below, there is a map with some of the possible ways (or arcs) to reach Via Branze 43 (i.e., the exact address of the university). Each arc is associated with a time (in minutes) and a direction of travel. By assuming that the starting point is the IIS Antonietti institute, what is the path that would allow you to save more time in order to reach your destination?

Tasks

1. Solve the problem by applying Dijkstra's algorithm.