Heuristic Optimization Methods, academic year 2020/2021
Fantasy football draft problem

Midterm task

1. Design and implement a greedy algorithm solution to find a solution to the given problem.

2. Execute your algorithm for the given instances of the problem.

3. For each solution, save the value of objective function (overall score for the ''best eleven''), and the list of drafted players, as well as the list of players in the first team lineup.

4. Design and implement a local search approach to improve the current solutions. Save the newly obtained solutions.

5. Write a report that describes your implemented algorithms. The report should include the following:

    - A description of the implemented greedy and local search algorithms.
    - Pseudocode of the implemented algorithms.
    - Results: the value of the objective function, the list of drafted players, as well as the list of players in the first team lineup.
    - Programming language used for the algorithm implementation.

6. The project is due on **November 10, 2020 at noon**. Additional information regarding the report and code submission will be provided on the course website.