**Faculty of Electrical Engineering and Computing**

**Graduate study**

**Heuristic Optimization Methods**

**Academic year 2020/2021**

**Student: *Name Surname* (*JMBAG*)**

1. Details and results

Programming language  
\_\_\_\_\_\_

Best found results

Instance 1  
Tabu Search  
Score: \_\_\_\_\_  
First team lineup: \_\_\_\_\_  
Substitutions: \_\_\_\_\_

Simulated annealing  
Score: \_\_\_\_\_  
First team lineup: \_\_\_\_\_  
Substitutions: \_\_\_\_\_

Instance 2  
Tabu Search  
Score: \_\_\_\_\_  
First team lineup: \_\_\_\_\_  
Substitutions: \_\_\_\_\_

Simulated annealing  
Score: \_\_\_\_\_  
First team lineup: \_\_\_\_\_  
Substitutions: \_\_\_\_\_

Instance 3  
Tabu Search  
Score: \_\_\_\_\_  
First team lineup: \_\_\_\_\_  
Substitutions: \_\_\_\_\_

Simulated annealing  
Score: \_\_\_\_\_  
First team lineup: \_\_\_\_\_  
Substitutions: \_\_\_\_\_

1. Tabu search

Algorithm components

|  |  |
| --- | --- |
| initial solution |  |
| neighborhood definition |  |
| structure of the tabu list and the tabu tenure |  |

Pseudocode

\_\_\_\_\_

Description

\_\_\_\_\_

Analysis

\_\_\_\_\_

1. Simulated annealing

Algorithm components

|  |  |
| --- | --- |
| initial solution |  |
| neighborhood definition |  |
| initial temperature |  |
| decrement function |  |
| cooling schedule |  |
| stopping criteria |  |

Pseudocode

\_\_\_\_\_

Description

\_\_\_\_\_  
  
Analysis

\_\_\_\_\_