Università della Svizzera italiana | **Faculty of Informatics** | **Institute of Computing CI**

Numerical Computing 2022

Student: FULL NAME   Discussed with: FULL NAME

Solution for Project 6   Due date: Wednesday, December 21, 2022, 11:59 PM

The purpose of this project is to implement the Simplex Method to find the solution of linear programs, involving both the minimisation and the maximisation of the objective function.

1. Graphical Solution of Linear Programming Problems [20 points]

2. Implementation of the Simplex Method [30 points]

3. Applications to Real-Life Example: Cargo Aircraft [25 points]

4. Cycling and Degeneracy [10 points]