
The problem can be submitted until March 29, 12 :00 noon, by sending the Python file to igor.malinovic@epfl.ch .

Student(s)¹ :

Question 1 : *The question is worth 5 points.*

0 1 2 3 4 5

Reserved for the corrector

1. Implement Phase I of the Simplex algorithm, i.e., compute an initial feasible basis. Use "Simplex_HW.py" file, which can be found on the course git server.
2. Compute an optimal solution to the dual of the LP specified by A, b, c (See the file).

Remark : Phase I creates the LP from Assignment 4, Problem 5.3.

The last three constraints of $Ax \leq b$ in "Simplex_HW.py" are representing $x \geq 0$. Observe that the "slack" variables, i.e. components of y , corresponding to those constraints can be omitted.

1. You are allowed to submit your solutions in groups of at most three students.