

Optimization – Laboratory 9

The simplex method

The functions in Section 6.3 are given by the number assigned in the column **P9** from the status.

If the problem is a minimization one, write the dual problem (maximization). Solve the maximization problem.

Requirements:

- Verify that the problem is in standard maximization form. If not, write the standard maximization problem.
- Draw the feasible domain on the paper and calculate the value of the function in the corners of the feasible domain.
- Solve the problem with the *Simplex method* and check the result obtained from the calculations with the result obtained based on the graph.