Final Report: Yuval Barkan, 205714447

QP function:

Final results:

Objective value for the function is: 1.5000000999898853

and the X: [4.99999950e-01 4.99999950e-01 9.99898707e-08]

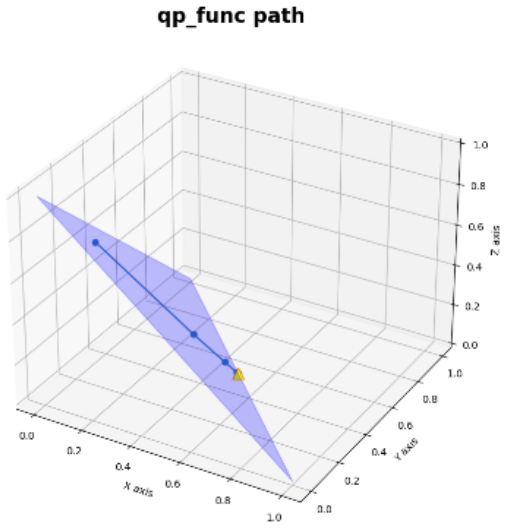
in-equality contraints:

#1 contraint: 0.4999999500050646

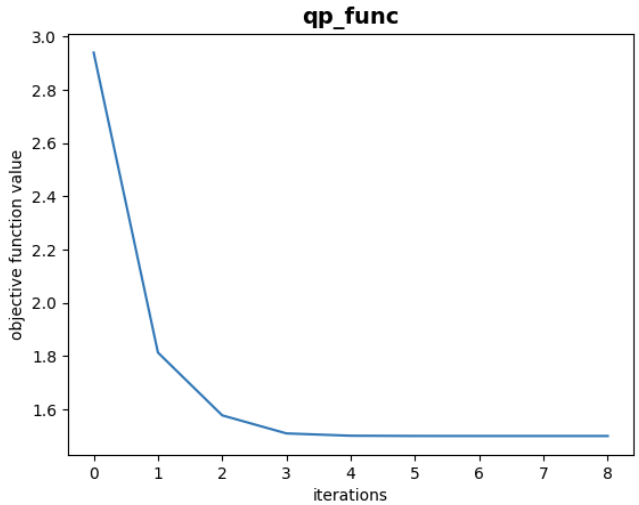
#2 contraint: 0.4999999500050646

#3 contraint: 9.998987070278874e-08

Feasible region and the path taken by the algorithm:



Objective value vs. outer iteration number:



LP function:

Final results:

Objective value for the function is: 2.9999998000201114 and the X: [1.9999999 0.9999999]

in-equality contraints:

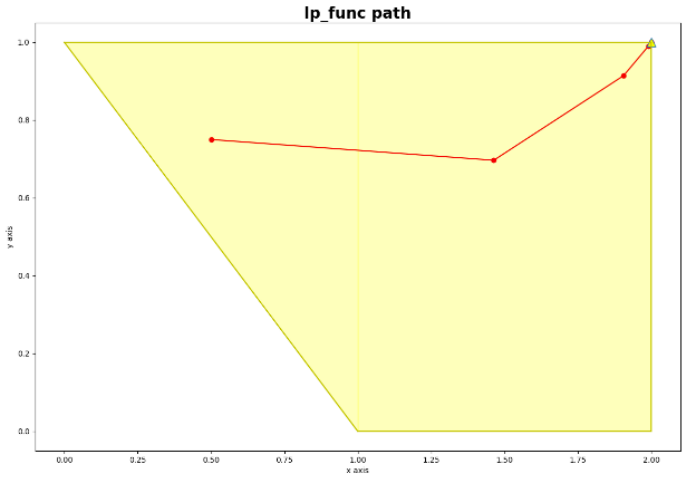
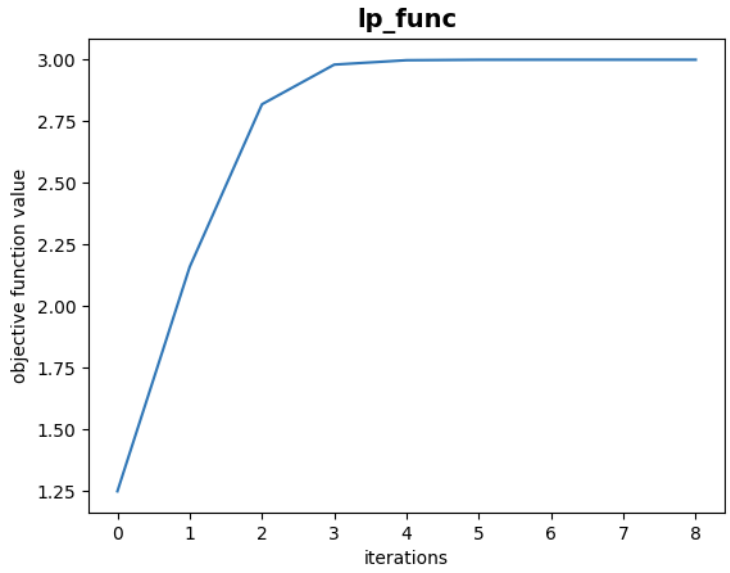
#1 contraint: -1.9999998000201114

#2 contraint: -9.998993910631526e-08

#3 contraint: -9.9989949653434e-08

#4 contraint: 0.9999999000100609

Feasible region and the path taken by the algorithm:



Objective value vs. outer iteration number: