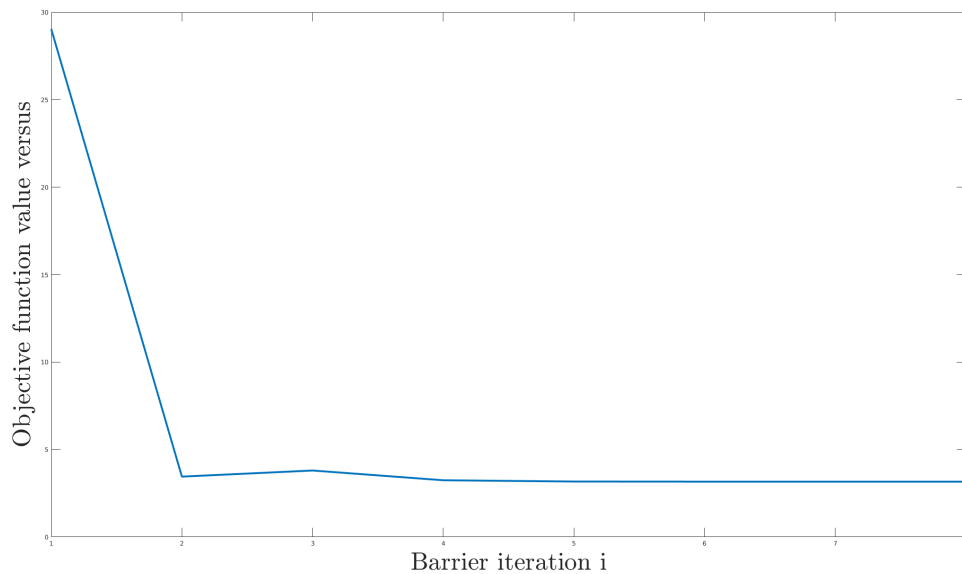


Problem figure 1

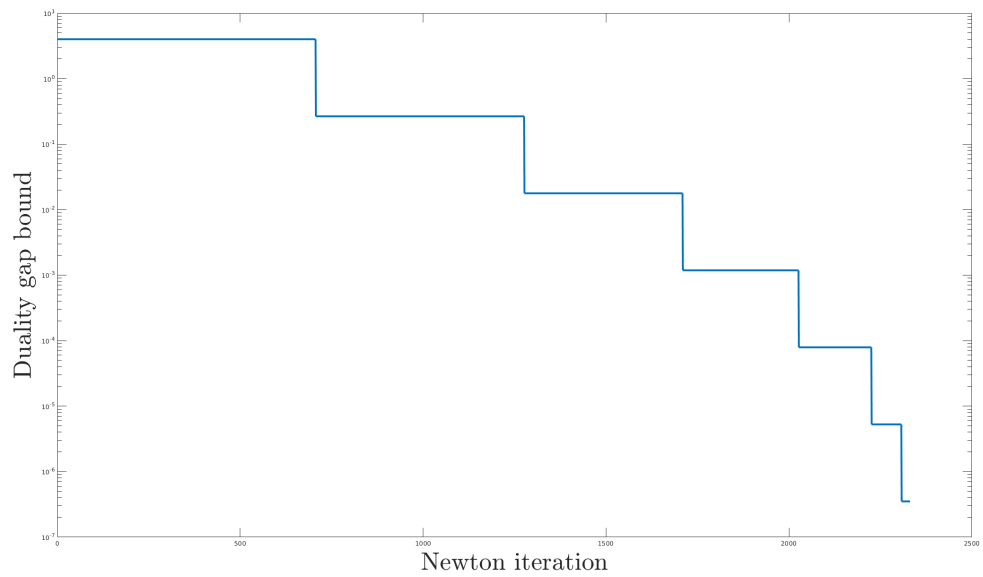


with optimal value $f(\beta^*) = 3.165004206118524$

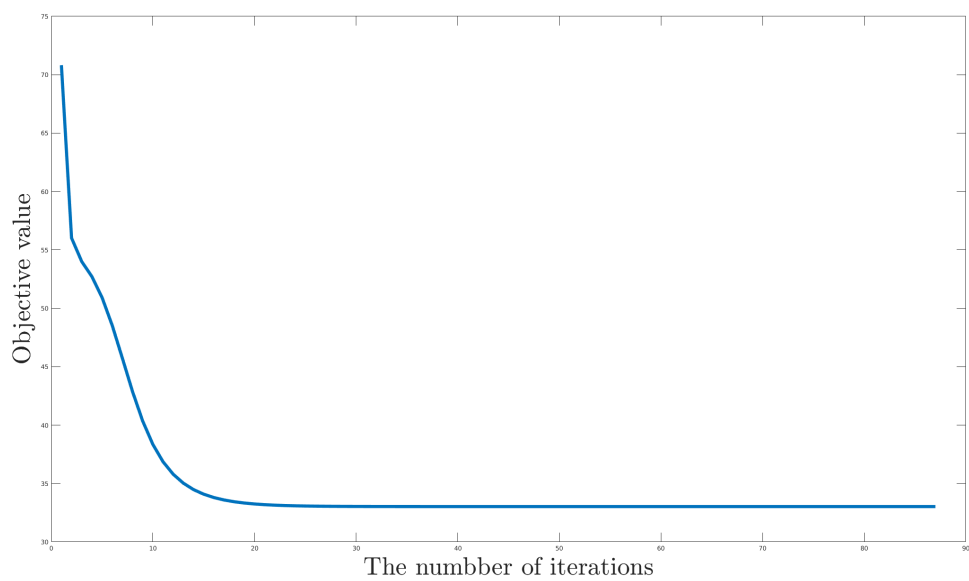
and optimal solution

$\beta^* = [0.000392319376974944$
0.00283173170257793
0.996181204516745
0.000390092311648555
7.01355415531076
0.00313297094830546
0.0119443590635569
0.00104687021823952
0.00213998063005172
3.00179019836659]

problem 1 figure 2



problem 2 figure 1



with optimal value = 33.025729646836055