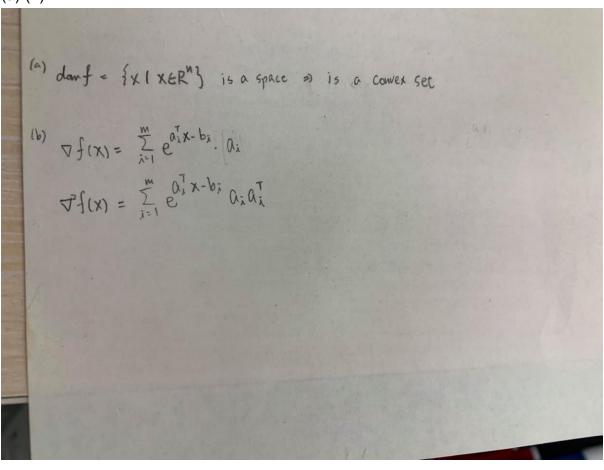
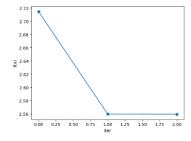
Report

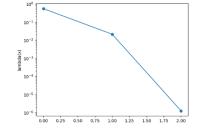
(a) (b)

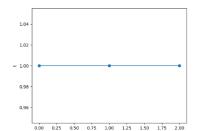


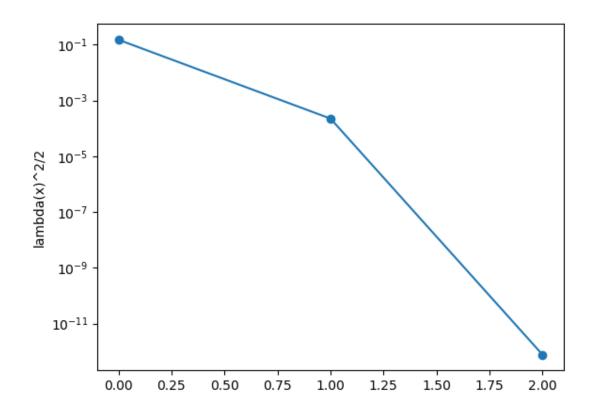
(c)∼(k) Setting 1:

I	f(x ^(k))	2.7145123	2.5594910	2.5592667
	$\lambda^{(k)}$	0.549192564	0.021181067	1.24E-06
	t ^(k)	1	1	1



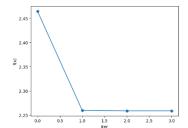


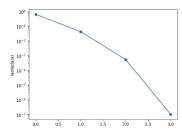


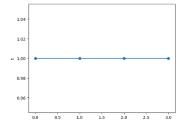


Setting 2:

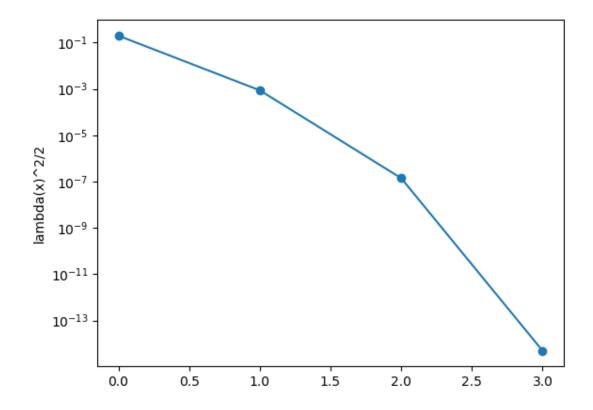
f(x ^(k))	2.464386392	2.259416272	2.258545072	2.258545
$\lambda^{(k)}$	0.627263461	0.041613379	0.000528507	9.97E-08
t ^(k)	1	1	1	1







$\lambda^2/2(\log scale)$



Both of the settings have optimal value and optimal point close to the output of cvx toolbox

	x1*		x2*		f(x*)	
	mine	cvx	mine	CVX	mine	CVX
setting1	-0.3465736	-3.47E-01	0	-2.19E-17	2.5592667	2.55926668
setting2	-0.4215736	-0.4215736	0.25	0.25	2.25854493	2.25854491