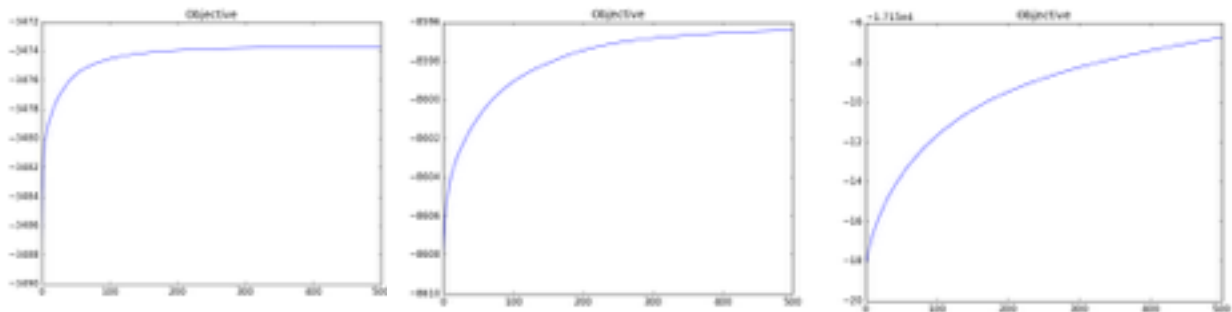
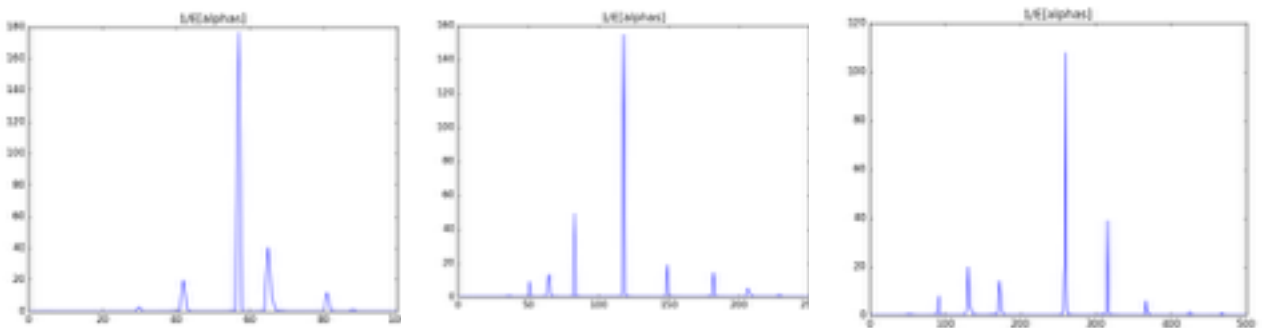


Problem 2:

a) Run your algorithm for 500 iterations and plot the variational objective function.



b) Using the final iteration, plot $1/E_q(\alpha)$ as a function of k .



c) Give the value of $1/E_q(\lambda)$ for the final iteration.

$1/E[\lambda]: 1.07981360709$
 $1/E[\lambda]: 0.899449415713$
 $1/E[\lambda]: 0.978100451976$

d) Final Plots

