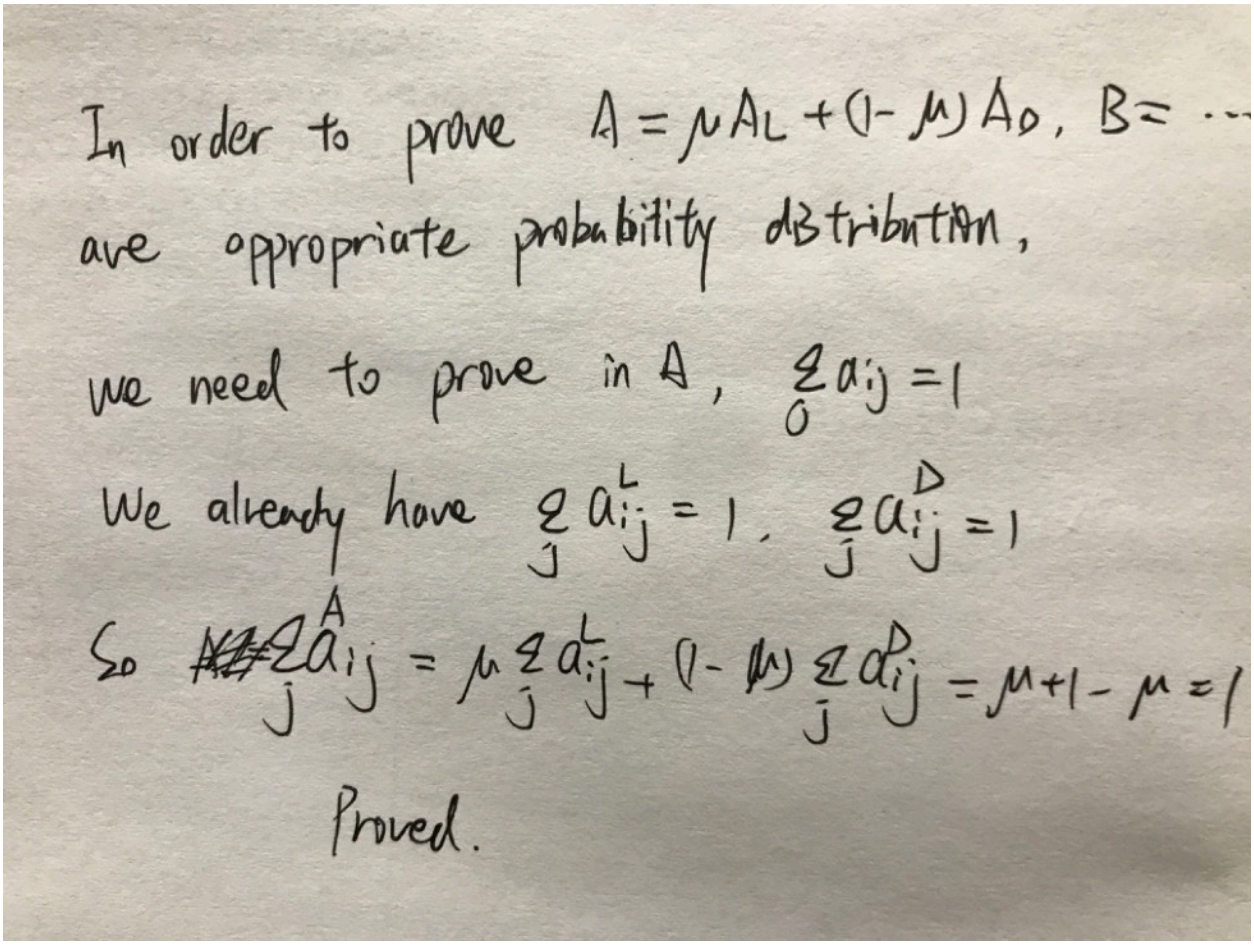
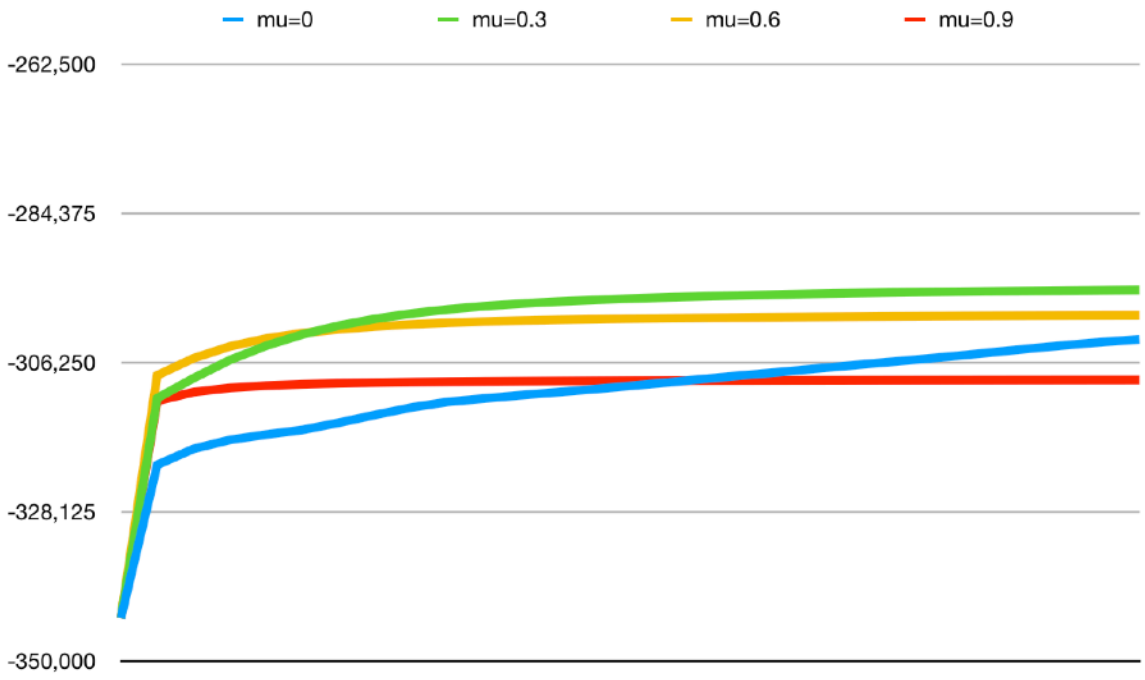
exercise4:

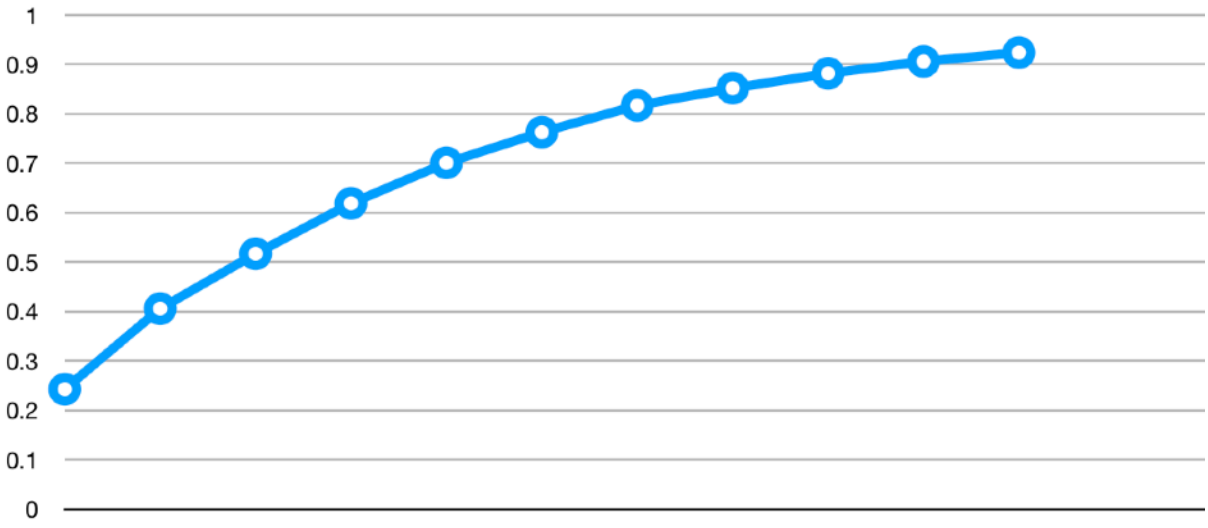


I have tested 11 mu values on test.txt, uploaded 11 log files and 11 prediction files.
I also have tested 3 mu values on concatenated.txt, uploaded 3 log files. Because prediction files on concatenated.txt are too big, so I cannot upload them.

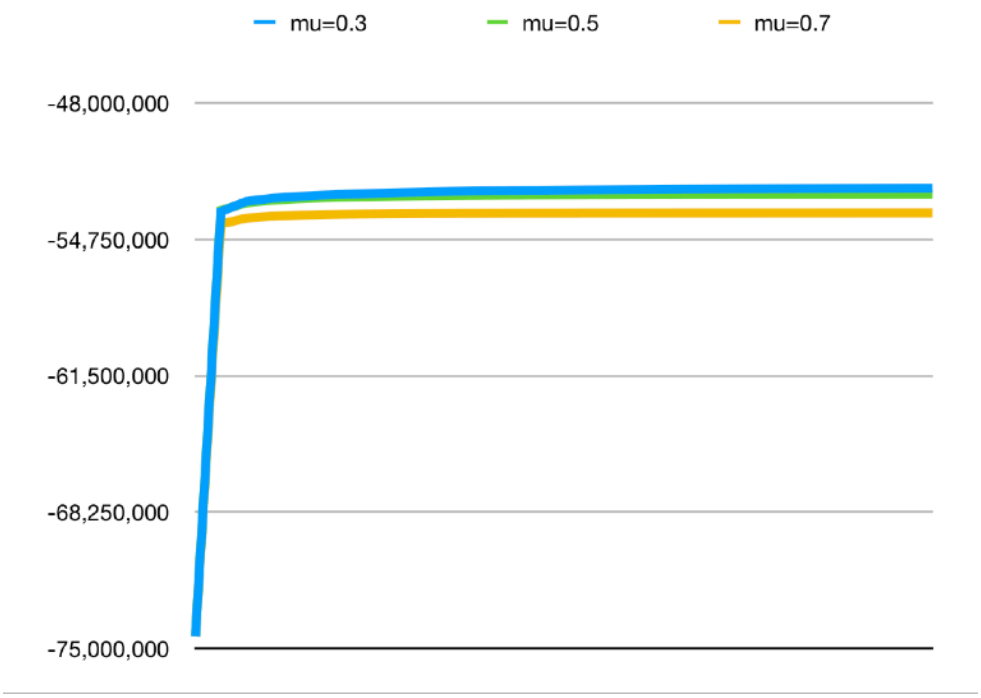
I chose four mu values and drew the relationship between iteration loops and log(O | lambda).



This is the relationship between mu values and POS-tagging accuracies. Notice that the accuracy increases with mu value.



This is the relationship between log(O | lambda) and three mu values on big data.



If I drop off the first iteration value from the above figure, I got this: