

Question 4:

(b)

1)

after the next crash everything carried them to <unk> the market mr.
brower won up <unk> details for he said
last year

in september to <unk> thursday mr. <unk> whose life last month will
prompt active failure to hold only one of the company 's annual ve

2)

the president denied this country

applause though she would have maintained by the downturn and
other management had given up their financial center for the american
and states have been improperly by no improvement in the ford is
running capitol hill has

3)

money, its a hit but only the fed who stute under which hungare went
their investment team did n't refuse to read <unk> largely due to a
renewed-committee economic <unk> and frequently

use who has shown involvement for members as long as said the
departme

4)

the financial sectors learned further <unk> a court from upon the <unk>
pieces of ince on their property

the u.s. cancer <unk> and other banking plan is going to persuade
<unk> 's giant noriega

the best of its products according to a second systems inc

(c)

1)

after the next crash shutdown r.s narrow who 's particular drug
administration paid \$ N in new york

plastic <unk> <unk> annience a mainframe poll companies owned an
exposure to second trade price slowdown sen. capel miner to <unk>
yourself

the nation co

2)

the president denied every of tuesday about the job on the soon to house the <unk> shops

the <unk> members to what we 're headed to the plunge of the N <unk> assembled union & sees buy as fellow scores of <unk> inp. because of a bit just both related to

3)

money, its a hits of management said the fact that it sounding our specific markets <unk> into the <unk>

the industry said it gave note started to imminent open for a per drug in home their facility in congress

it 's one or less than their assistance go

4)

the financial sectors and other conservatives must find some analysts because they all regrets

none of years the problems do down

he could use the more of the support operations in molitimem workers <unk> their movement 's days the legal says withdrawal

(d)

It seemed that the sentences generated by the model which obtained the best misclassification error rate look more like sentences because they seemed more likely follow English grammar. For example, the sentence “the financial sectors and other conservatives must find some analysts because they ...” really follow grammar. The sentences generated by the model obtained the best bits per character loss seemed just some combination of English words, though some of them also follow some kinds of structure, it's not that like grammar.

(e)

The sentences generated by the model which obtained the best misclassification error rate more likely follow English grammar while the sentences generated by the model obtained the best bits per character seemed only follow some kinds of local structure. Therefore, the model which obtained the best misclassification error rate can capture long term dependences better. However, it seemed the

beginning of most sentences generated by both two models has nothing to do with the end of the sentences, so these models fail to capture these kinds of long term dependences. In order to improve the ability of recurrent neural networks for learning the long term dependencies that are missing, I think it maybe a good idea to add more LSTM layers.