(1)

Total Sentences correctly: 775

Predicted correctly: 580

Accuracy: 74.83871%

(2)

Total Sentences correctly: 775

Predicted correctly: 654

Accuracy: 84.3871%

(3)

The RuntimeWarning is divide by zero encountered in log, so I add a very small value (1e-7) to the number in log to make it non-zero.