D:\PycharmProjects\Python3.5\python.exe "D:/Vectors/SemEval2018-Task 8/CRF-trial.py"

D:\PycharmProjects\Python3.5\lib\site-packages\sklearn\cross\_validation.py:44: DeprecationWarning: This module was deprecated in version 0.18 in favor of the model\_selection module into which all the refactored classes and functions are moved. Also note that the interface of the new CV iterators are different from that of this module. This module will be removed in 0.20.

"This module will be removed in 0.20.", DeprecationWarning)

D:\PycharmProjects\Python3.5\lib\site-packages\sklearn\grid\_search.py:43: DeprecationWarning: This module was deprecated in version 0.18 in favor of the model\_selection module into which all the refactored classes and functions are moved. This module will be removed in 0.20.

DeprecationWarning)

Found 39 .txtcbn files with training data

168177 samples in training data

6889 sentences

Fit training data

['O', 'B-Entity', 'I-Entity', 'B-Verb', 'B-Preposition', 'I-Verb', 'I-Preposition']

precision recall f1-score support

O 0.848 0.959 0.900 27249

B-Entity 0.640 0.295 0.404 1516

I-Entity 0.622 0.330 0.431 4285

B-Preposition 0.581 0.253 0.353 438

I-Preposition 0.391 0.409 0.400 22

B-Verb 0.632 0.290 0.397 745

I-Verb 0.603 0.257 0.360 183

avg / total 0.801 0.824 0.799 34438

Running time : 19.704508066177368

Writing results to file

Process finished with exit code 0