**Answer 1)**

1. Todo
2. Todo
3. The max objective value obtained = 200.185149689205

**Answer 2)**

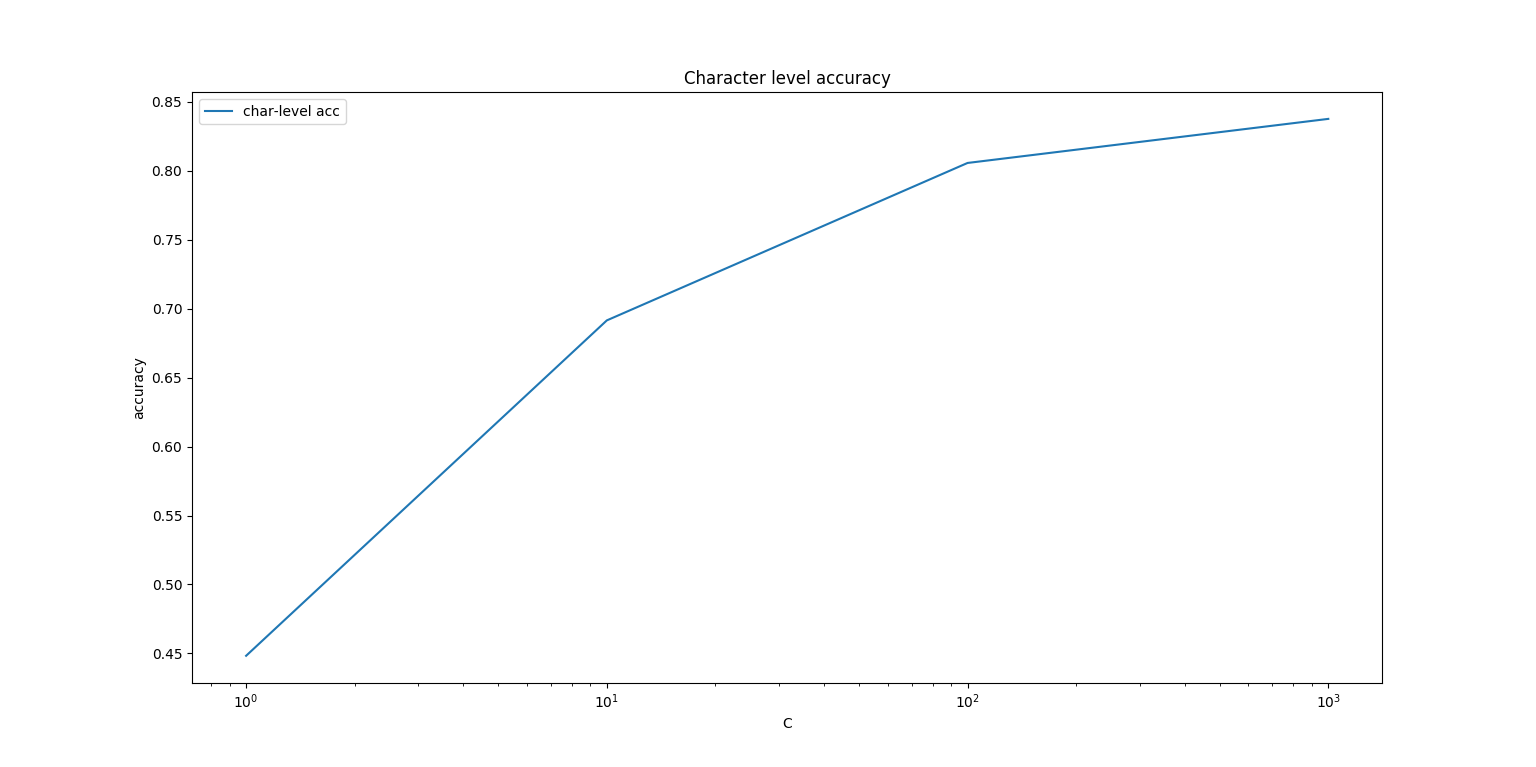
1. Optimal Objective value = 3701.1579986480165

Some performance stats: Gradient check in 8.6 sec

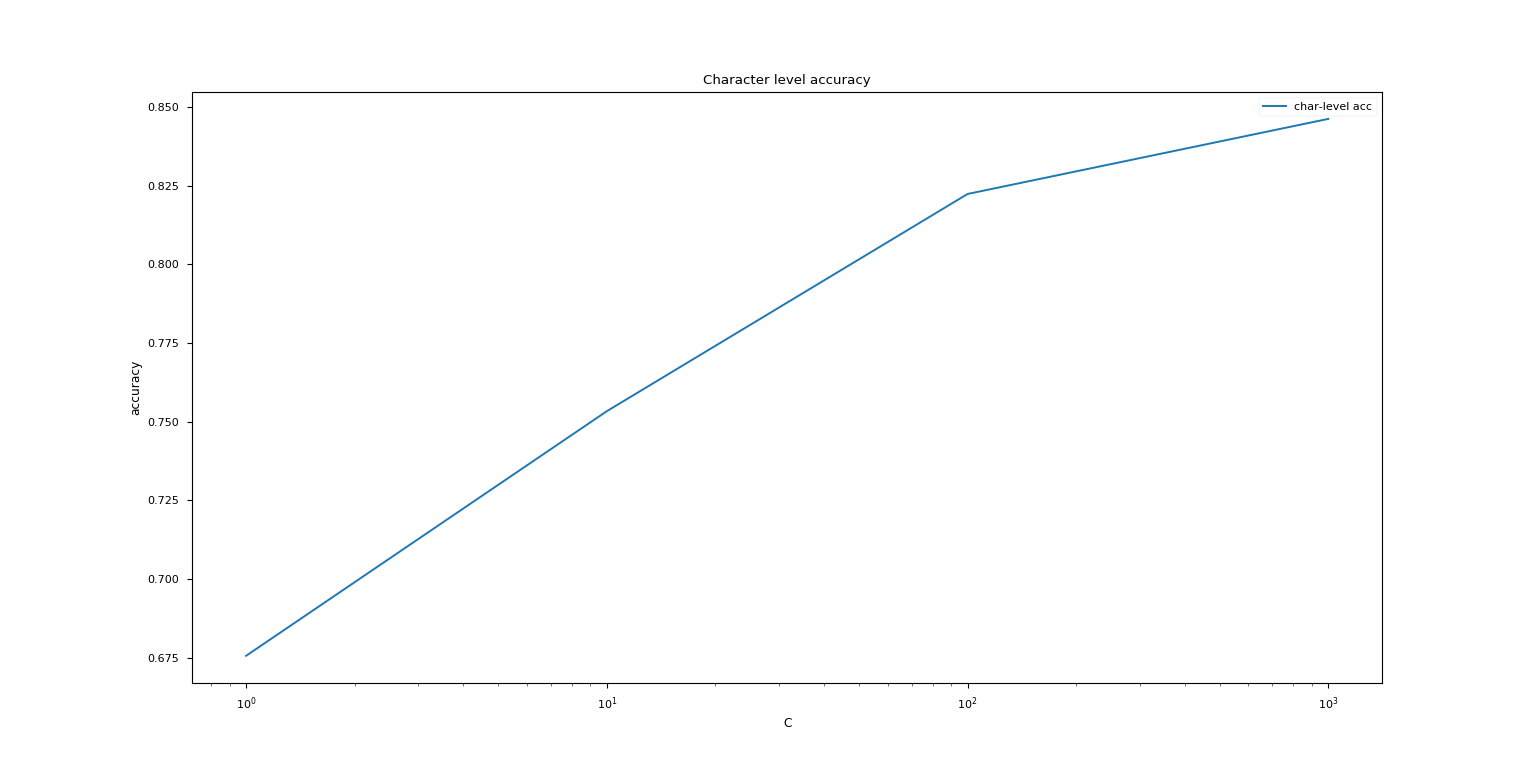
Test accuracies: Word wise = 47.25%, Char wise = 83.75%

**Answer 3)**

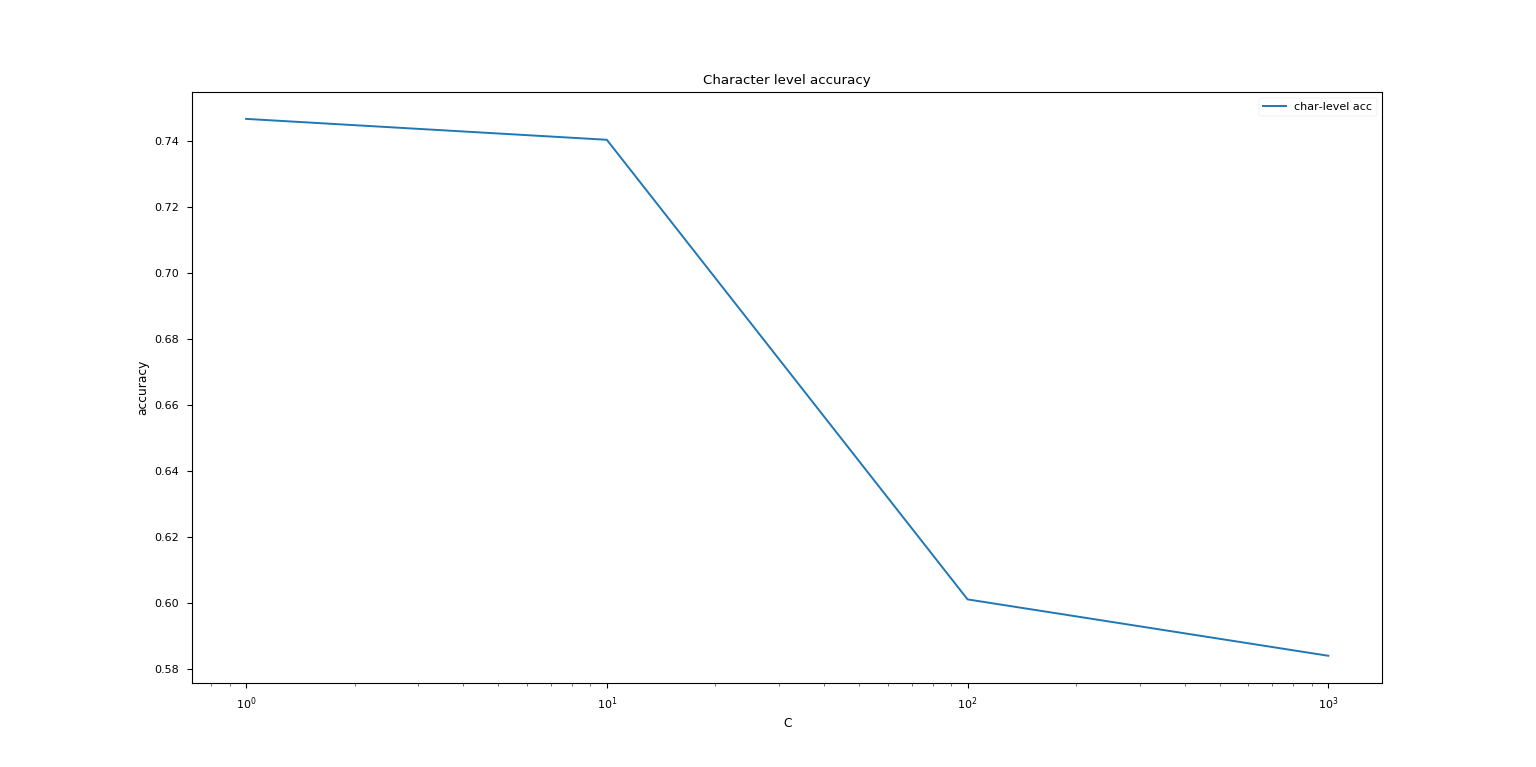
**A1) CRF Letter-wise accuracy**

****

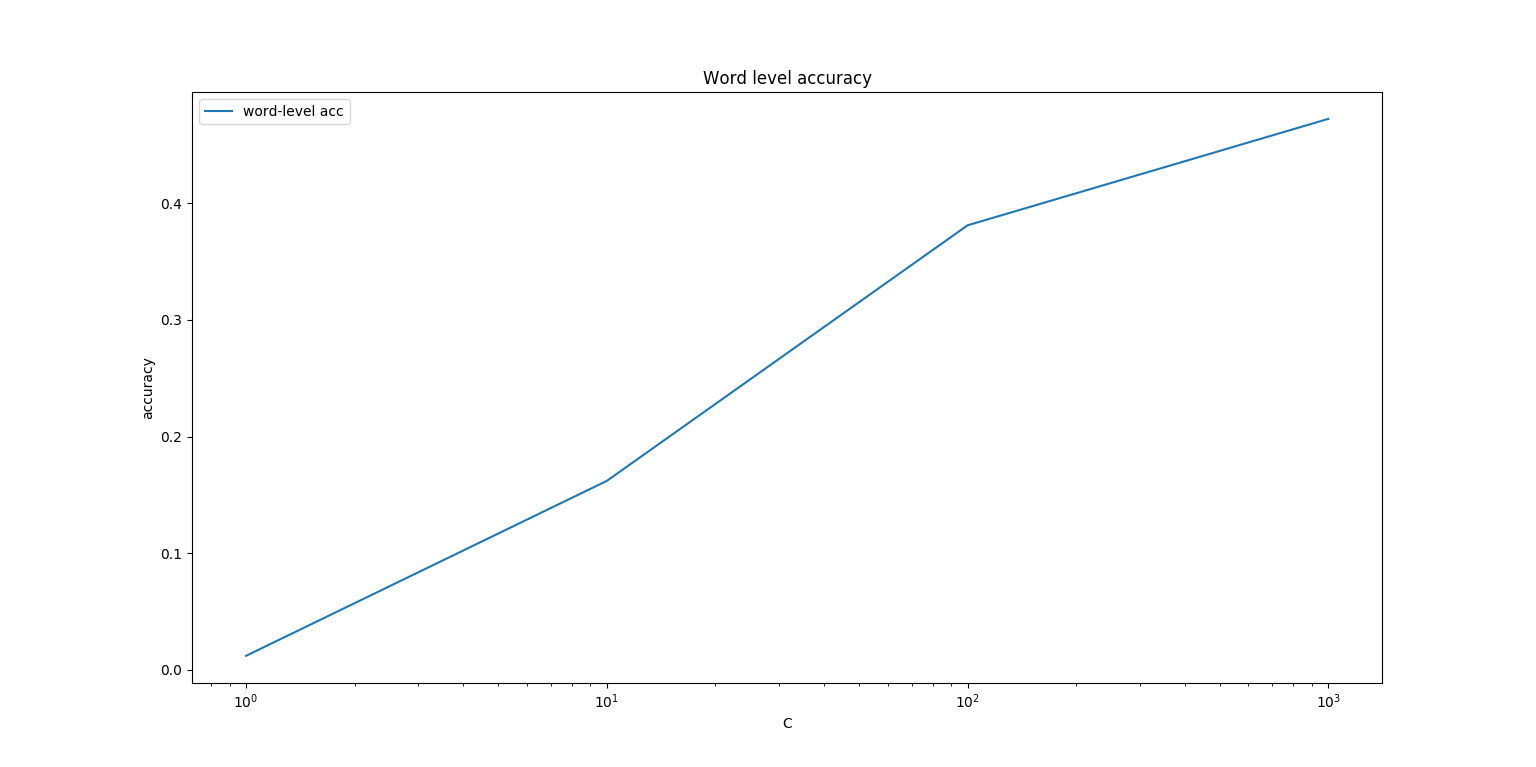
**A2) SVM-HMM Letter-wise accuracy**

****

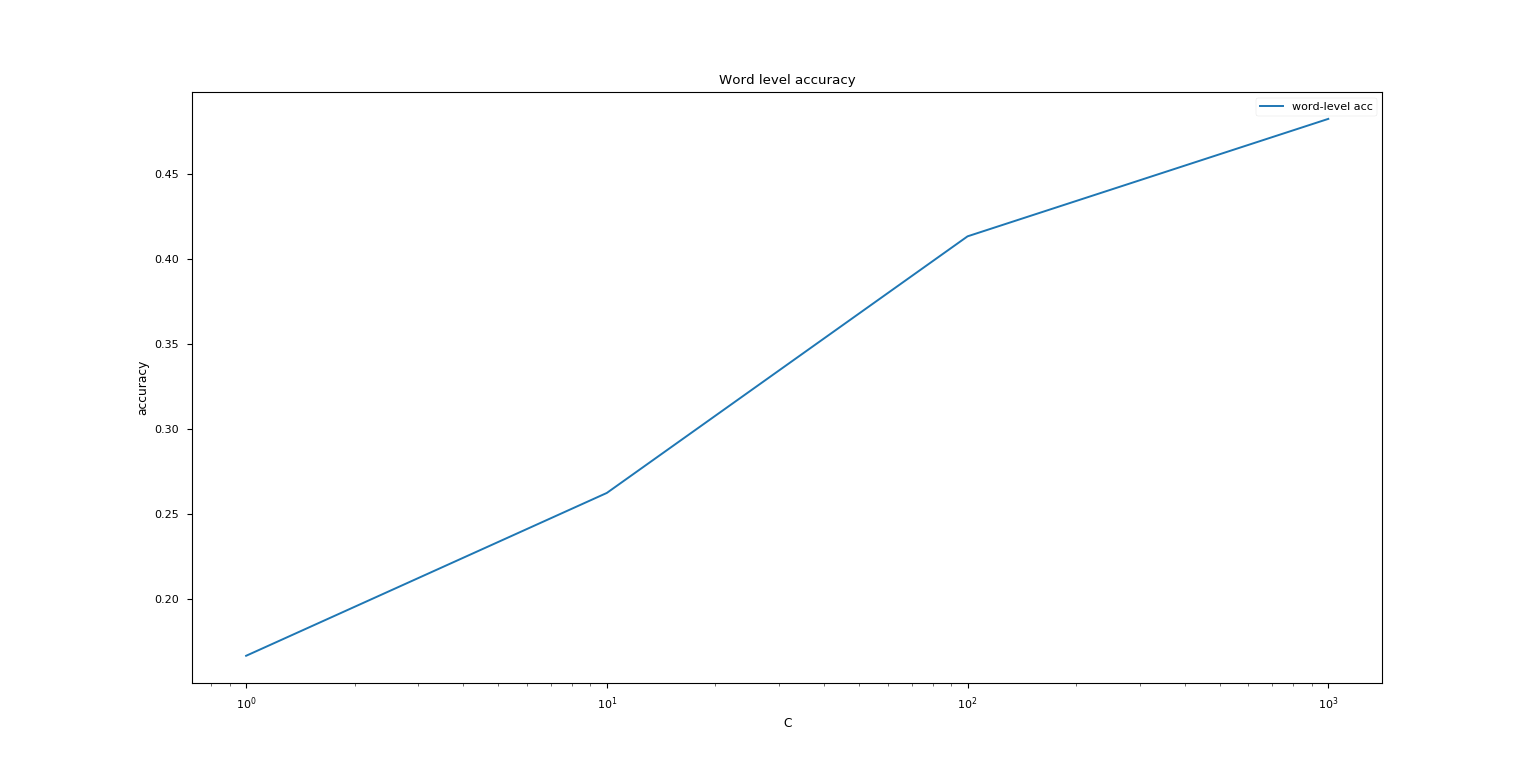
**A3) SVM-MC (LibLinear) Letter-wise accuracy**

****

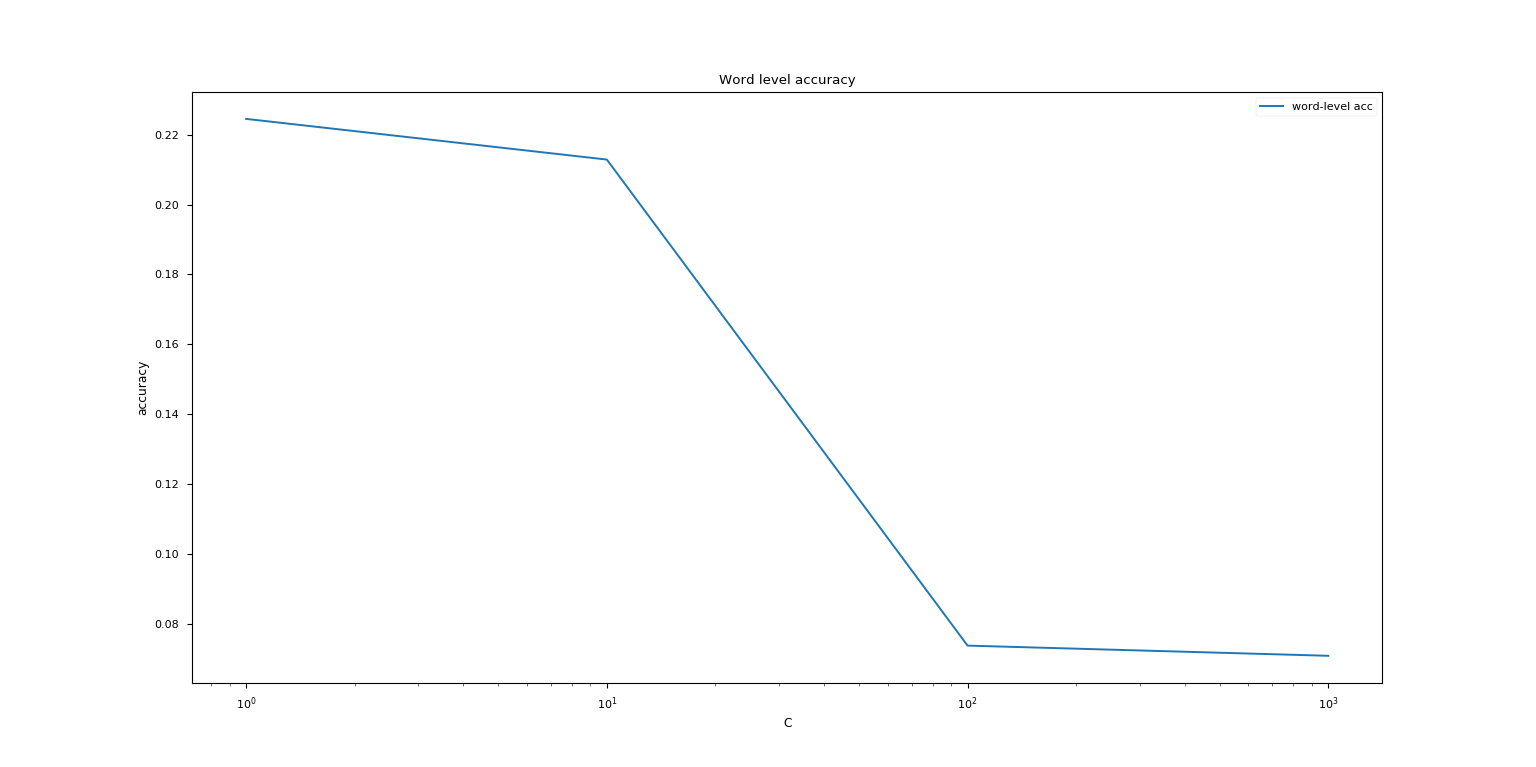
**B1) CRF Word-wise accuracy**

****

**B2) SVM-HMM Word-wise accuracy**

****

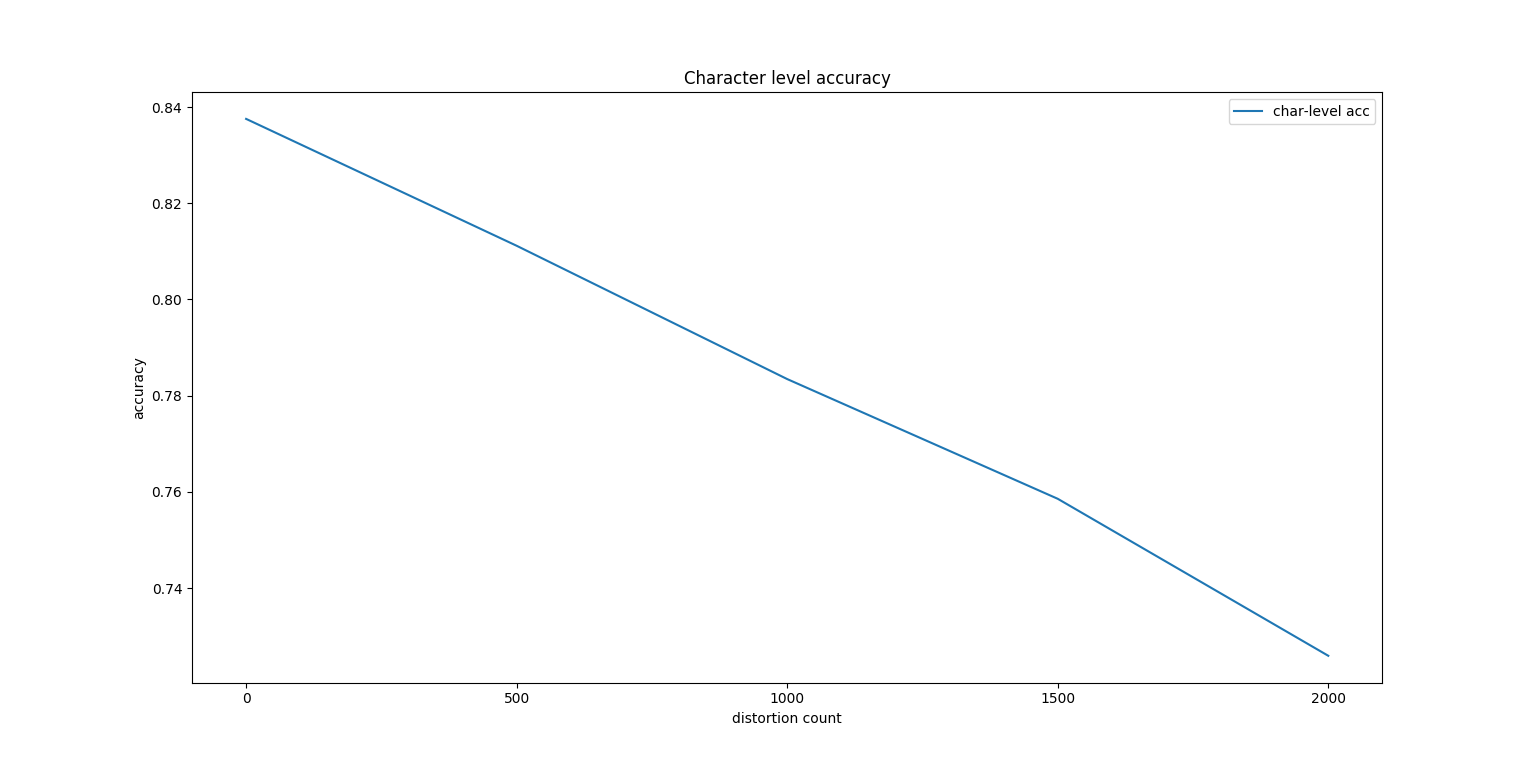
**B3) SVM-MC (LibLinear) Word-wise accuracy**

****

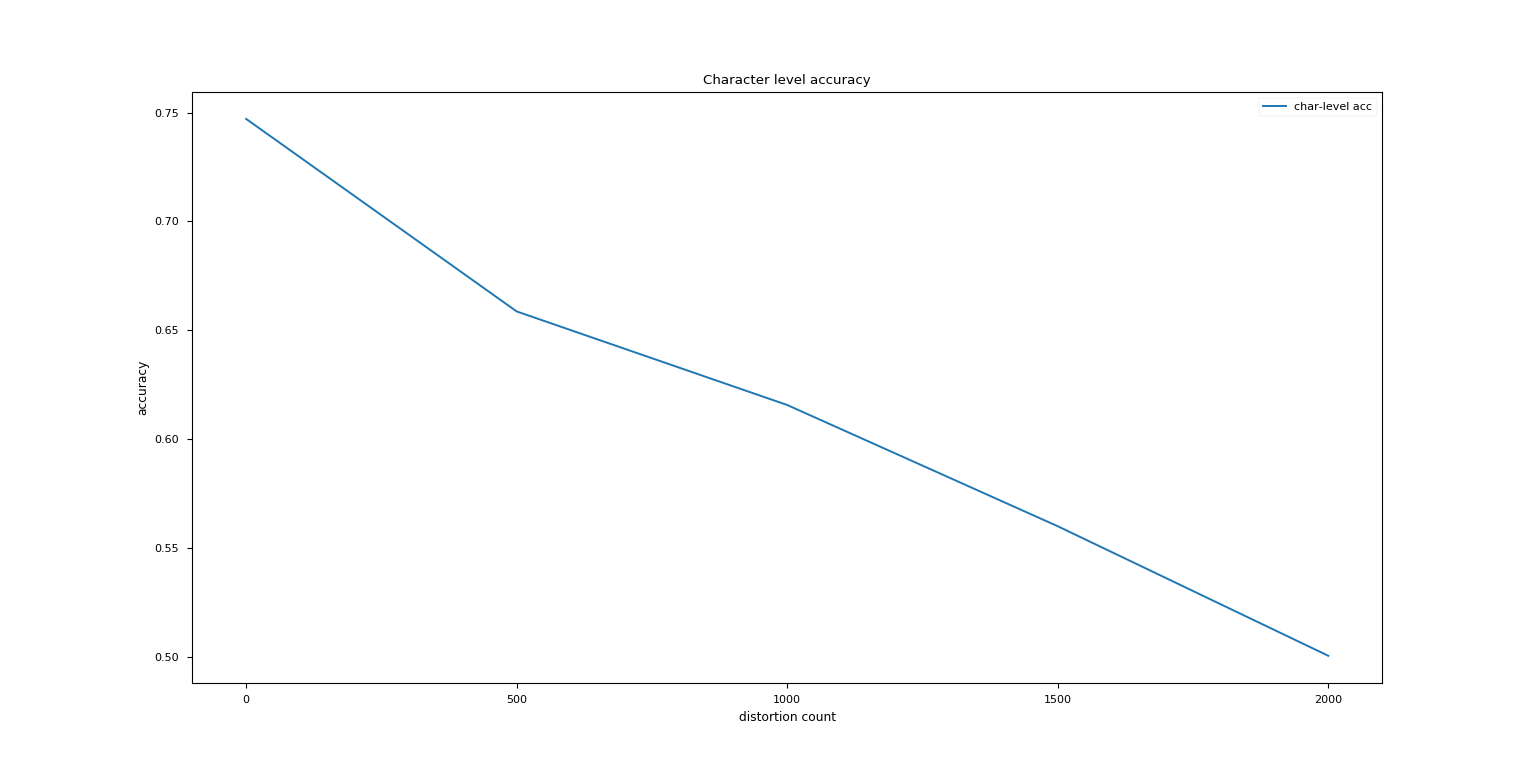
**Todo: Observations for both 3a and 3b**

**Answer 4)**

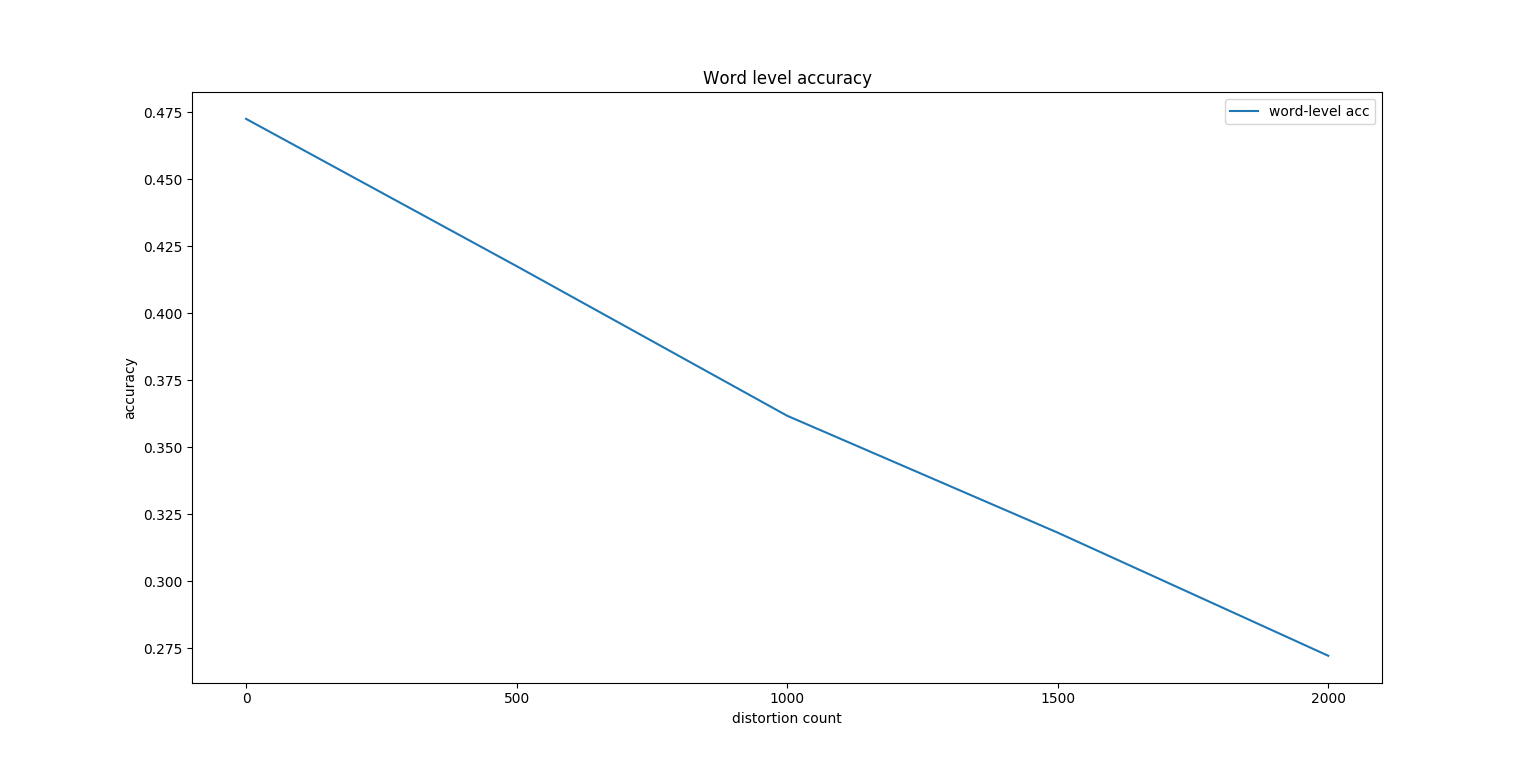
**A1) Letter-wise prediction of Test using CRF at C = {{Fill in}}**

****

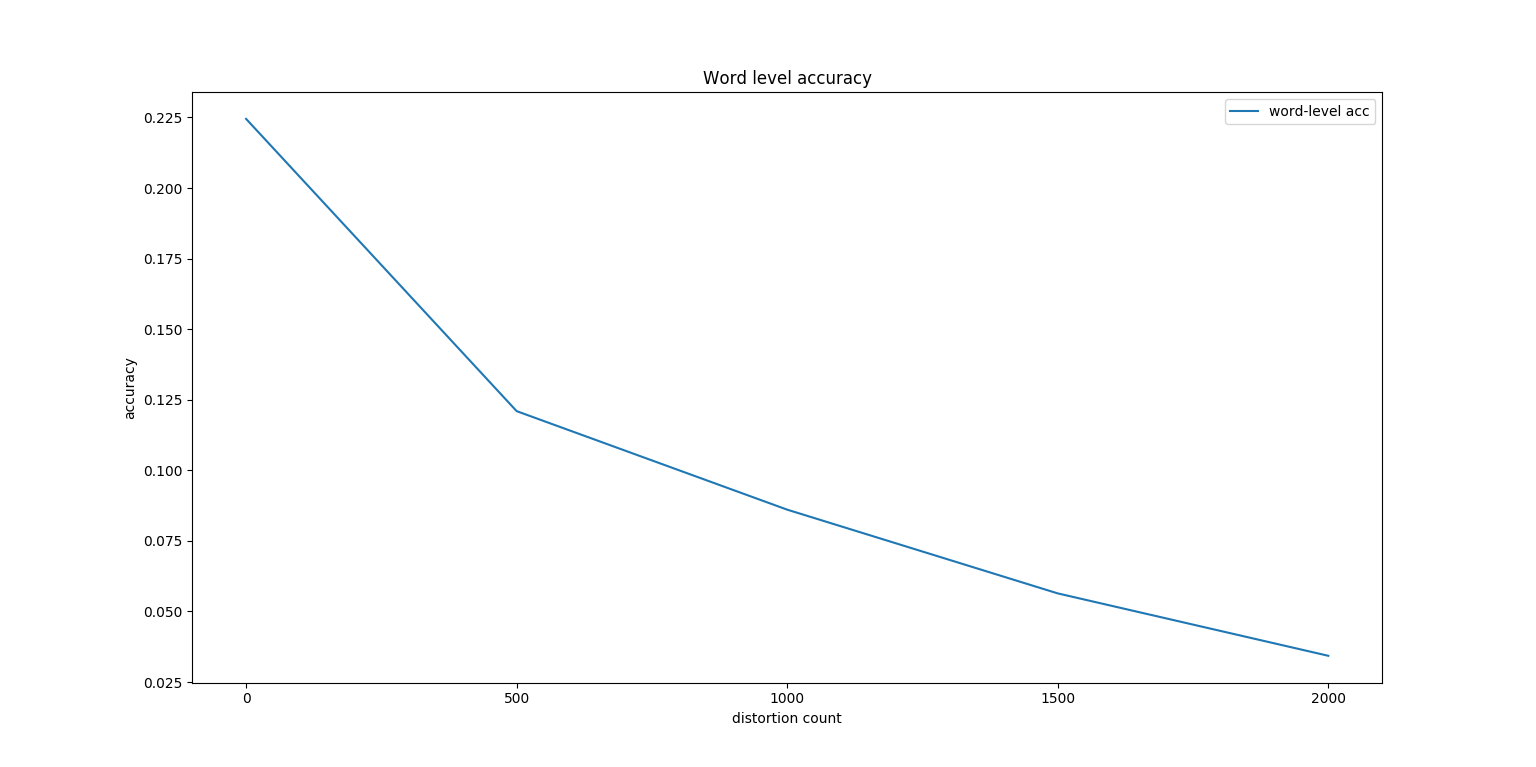
**A2) Letter-wise prediction of Test using SVM-MC at C = {{fill in}}**

****

**B1) Word-wise prediction of Test using CRF at C = {{Fill in}}**

****

**B2) Word-wise prediction of Test using SVM-MC at C = {{fill in}}**

****

**Todo: Observations for both 4a and 4b**