EX1:

|  |  |  |  |
| --- | --- | --- | --- |
| Training Size | Labeled Attachment Score(%) | Unlabeled Attachment Score (%) | Label Accuracy Score (%) |
| 40000 | 88.45 | 90.29 | 93.11 |
| 4000 | 84.96 | 87.19 | 90.89 |
| 400 | 77.11 | 80.39 | 85.32 |
| 40 | 63.99 | 68.15 | 76.14 |
| 4 | 37.59 | 42.25 | 53.74 |

EX2:

|  |  |  |  |
| --- | --- | --- | --- |
| Algorithms | Labeled Attachment Score(%) | Unlabeled Attachment Score (%) | Label Accuracy Score (%) |
| Nivreeager | 88.45 | 90.29 | 93.11 |
| Nivrestandard | 88.69 | 90.53 | 93.35 |
| Stackeager | 88.68 | 90.54 | 93.32 |
| Stacklazy | 88.68 | 90.54 | 93.32 |
| Stackproj | 88.71 | 90.54 | 93.35 |

EX3:

Tag Order:

|  |  |
| --- | --- |
| Tag order | POS Accuracy |
| 1 | 95.83% |
| 2 | 96.25% |
| 3 | 96.30% |
| 4 | 96.36% |
| 5 | 96.21% |

|  |  |
| --- | --- |
| Emission Order | POS Accuracy |
| 1 | 95.21% |
| 2 | 96.25% |
| 3 | 96.17% |
| 4 | 96.23% |
| 5 | 96.21% |

|  |  |
| --- | --- |
| Suffix Length | POS Accuracy |
| 8 | 96.24% |
| 9 | 96.25% |
| 10 | 96.25% |
| 11 | 96.25% |
| 12 | 96.25% |

|  |  |
| --- | --- |
| Rare Frequency | POS Accuracy |
| 8 | 96.24% |
| 9 | 96.25% |
| 10 | 96.25% |
| 11 | 96.25% |
| 12 | 96.25% |