Keeyon Ebrahimi
NLP
HW5

Problem 1

(a) Score for (a) is

```
# of matching tags = 90;  # of tags in key = 114;  # of tags in response = 140;
precision = 64.28%;  recall = 78.94%;  type accuracy = 100.0%
```

(b) Score for (b) is

```
# of matching tags = 98;  # of tags in key = 114;  # of tags in response = 128;
precision = 76.56%;  recall = 85.96%;  type accuracy = 100.0%
```

(c) Score for (c) is

Original Version:

```
# of matching tags = 93;  # of tags in key = 130;  # of tags in response = 153;
precision = 60.78%;  recall = 71.53%;  type accuracy = 100.0%
```

Modified Version:

```
# of matching tags = 100;  # of tags in key = 130;  # of tags in response = 144;
precision = 69.44%;  recall = 76.92%;  type accuracy = 100.0%
```

Problem 2

(a) Score for Article 1 is

Original Version:

```
# of matching tags = 90;  # of tags in key = 114;  # of tags in response = 140;
precision = 64.28%;  recall = 78.94%;  type accuracy = 100.0%
```

Modified Version:

```
# of matching tags = 98;  # of tags in key = 114;  # of tags in response = 126;
precision = 77.77%;  recall = 85.96%;  type accuracy = 100.0%
```

(b) Score for Article 2 is

Original Version:

```
# of matching tags = 93;  # of tags in key = 130;  # of tags in response = 153;
precision = 60.78%;  recall = 71.53%;  type accuracy = 100.0%
```

Modified Version:

```
# of matching tags = 103;  # of tags in key = 130;  # of tags in response = 141;
precision = 73.04%;  recall = 79.23%;  type accuracy = 100.0%
```