

PS5 Discussion

```
Virtebi x
/Library/Java/JavaVirtualMachines/jdk-17.0.1.jdk/Cont
My father is a congressman .
[DET, N, V, DET, N, V]
Eunice hates broccoli
[DET, N, V]
I fish
[PRO, V]
Will eats the fish
[NP, V, DET, N]
When I walk through the valley of the shadows
[MOD, PRO, MOD, V, DET, N, V, DET, N]
```

We tested the input strings that we made up “My father is a congressman” and the tagging works pretty accurately because except for the tagging for “My” and “.” everything else works well. The reason for the failure of “.” is due to the fact that we trained our model using `example_sentences` and `example_tags` that did not include any symbols/punctuation. For that reason, all symbols will be wrong.

In the second string, as *wearing* should not be a DET but a V, the *forest* should be a noun instead of a verb, *in* should not be a verb, and *running* shouldn't be a pronoun. The training sentences and tags are very limited once again.

The input sentences “I fish” and “Will eats the fish” worked as expected because all the words were already observed in the observations map.

Thus we believed that the consistency of the tagging would still need to be further improved because there were variations in the correctness of tagging. More training is very likely to improve the correctness of tagging.