Overall, I finished all the main part of this homework and got a Held-out classification accuracy of 0.82. I also completed the attachment\_accuracy and heuristic\_attachment\_accuracy and the corresponding functions.

I extracted the features as shown in the following:

A black screen with white text

Description automatically generated



A screenshot of a computer program

Description automatically generated

A screen shot of a computer program

Description automatically generated

They are the current buffer size, the current stack size and the current index, also the top 1 word with its POS, the top 2 words with POS both together and separately. I also tried the left most verb, but this didn’t really help in Classification acc but in attachment acc.