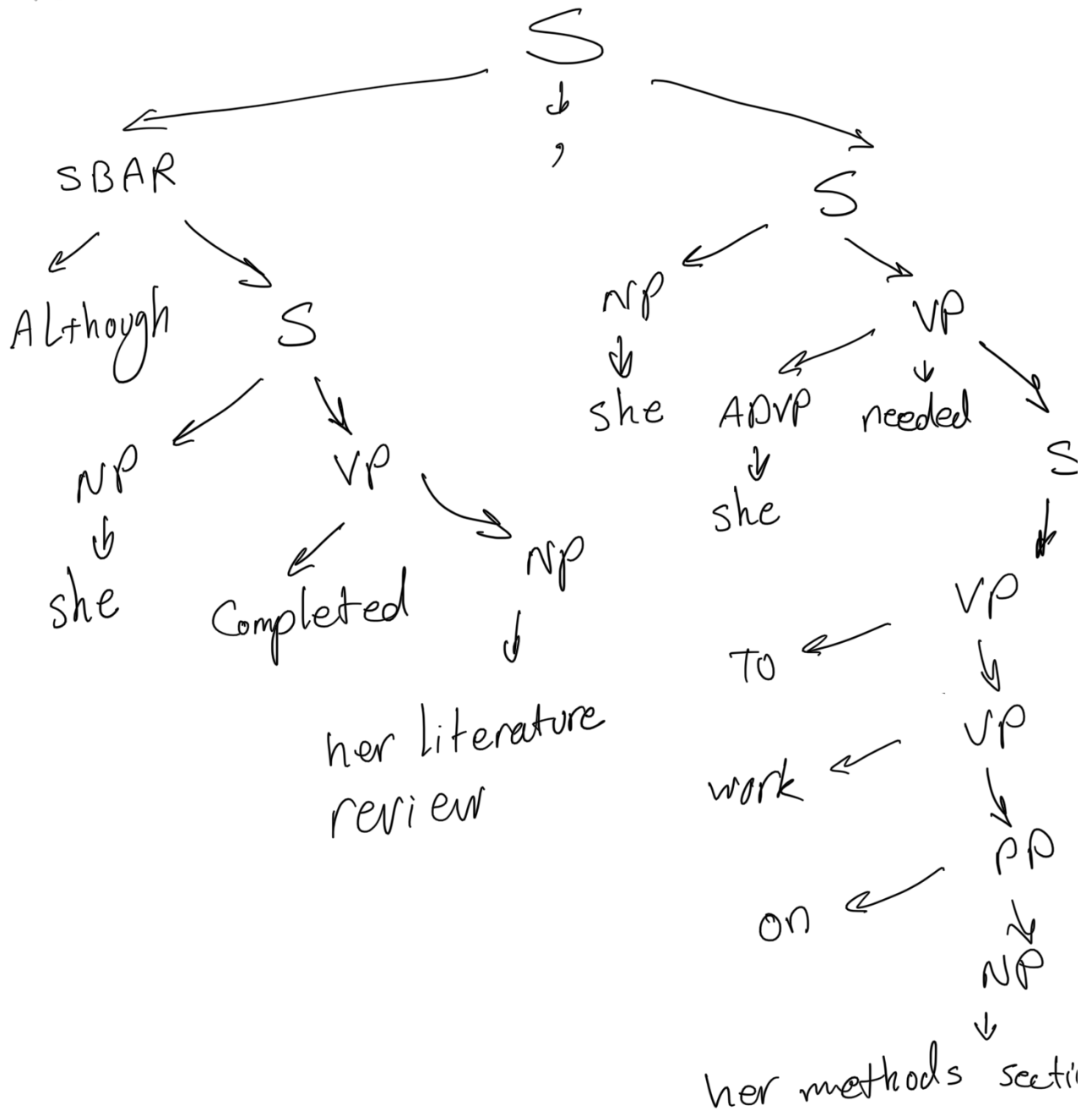


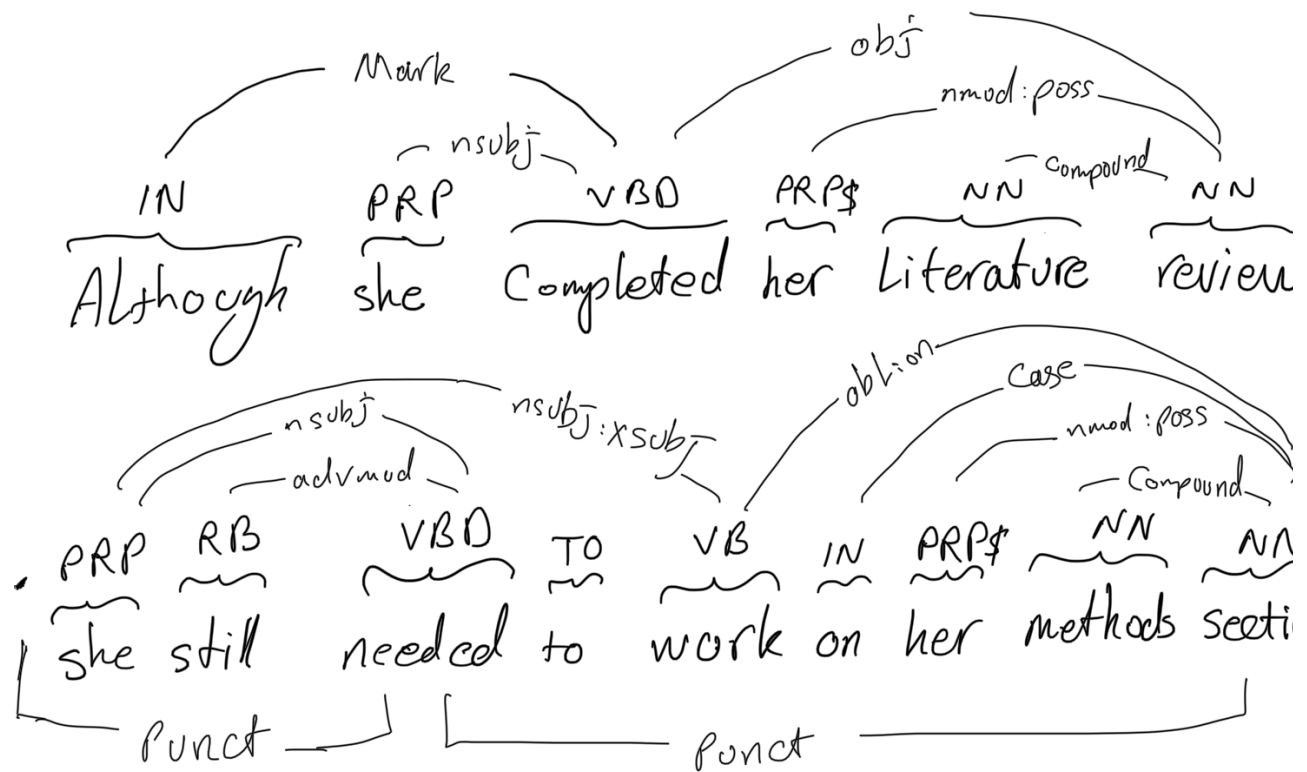
Portfolio assignment: sentence parsing

Sentence:

Although she completed her literature review, she still needed to work on her methods section.



Dependency Parse



SRL Parse

V: COMPLETED

she completed her literature review

ARG V ARG 1

V: NEEDED

Although she completed her literature review,
ARGM - ADV

she still needed to work on her methods section

ARGO ARG-TMP V ARG 1

V: WORK

Although ... review, she still needed to work
ARGO V

on her methods section.

ARG 1

ARGO: agent, the one doing action

ARG 1: direct object / theme / often the passive act

ARGM-ADV: general purpose

ARGM-TMP: time

PSG breaks a sentence into its constituents or phrases. These phrases are in turn broken into more phrases. Thus, the parse tree is recursive

Dependency Parsing (DP) refers to examining the dependencies between the words of a sentence to analyze its grammatical structure. Based on this, a sentence is broken into several components. The mechanism is based on the concept that there is a direct link between every linguistic unit of a sentence

Semantic role labeling (SRL) is the process that assigns labels to words or phrases in a sentence that indicates their semantic role in the sentence, such as that of an agent, goal, or result. It serves to find the meaning of the sentence