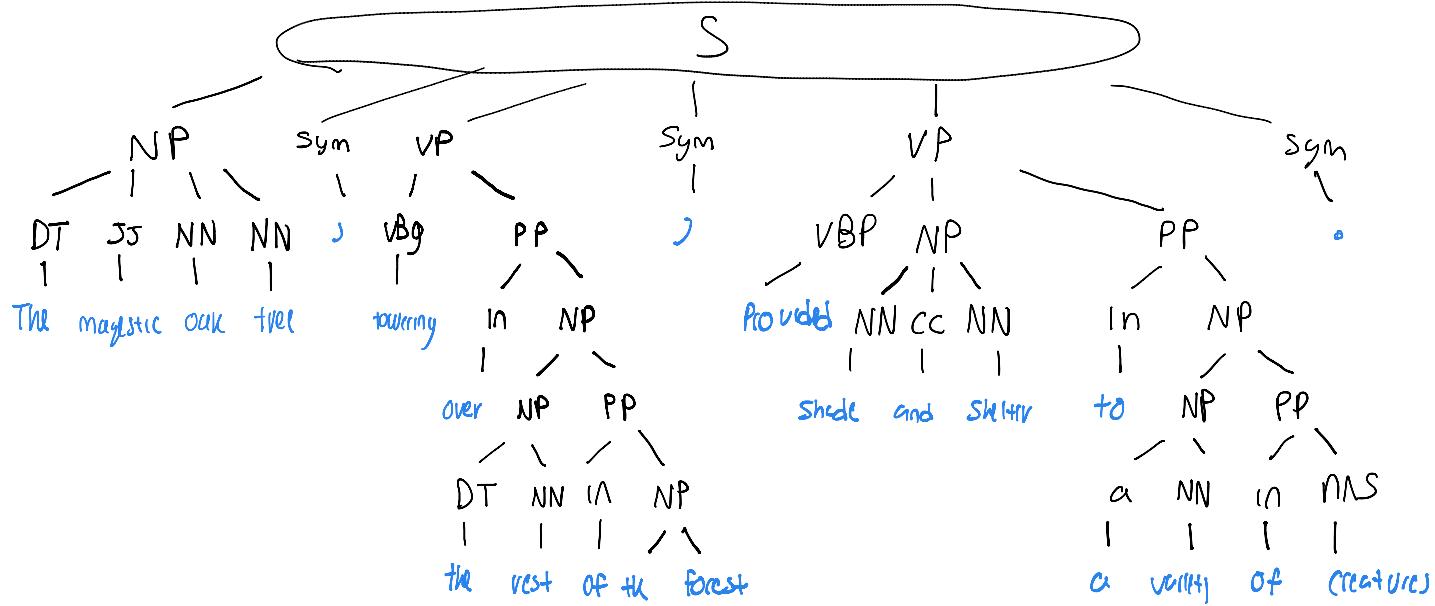


# Sentence Parsing

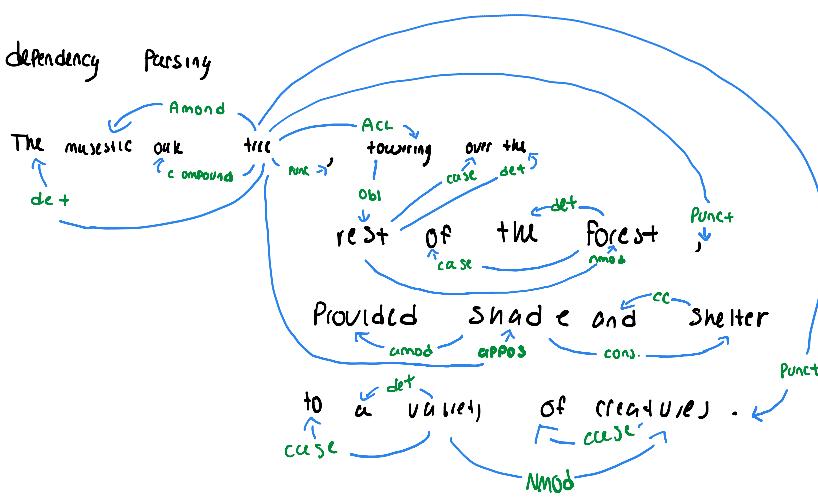
Wednesday, March 1, 2023 2:36 PM

- ① my sentence: The majestic oak tree towering over the rest of the forest, provided shade and shelter to a variety of creatures.

②



### ③ dependency Parsing



Reg

det - determiner, between head of Noun

Phrase + the determiner

Compound - one word modifies the other

Amod - adjectival modifier, modifies meaning of NP

Punct - punctuation

ACL - Adverbial Clause modP

Obl - noncore noun phrase (aka oblique)

appos - appositional modifier

CaseP - Preposition + its object

NMod - nominal modifier of a noun

Conj - conjunction (uses coordinating conjunctions)

CC - the object of the preposition

### ④ SRL

a) Predicate - towering

Arg0 - The majestic oak tree

Arg2 - over the rest of the forest

- no modifiers

Arg0 - this is the agent that is "towering"

Arg2 - what is being towered over (the rest of the forest)

b) Predicate - provided

Arg0 - The majestic oak tree, towering over  
the rest of the forest

Arg1 - shade and shelter

Arg2 - to a variety of creatures

- no modifiers

Arg0 - the agent that is "providing"

Arg1 - the passive actor → the shade

Arg2 - what is being provided shade → the

## Value of Lecture

- 5) We can see that for my rather lengthy sentence, the PSG tree does show a nice visualization of the syntactical structure of the sentence. However, it does not provide any indication of the semantics of the sentence, meaning if I had provided a sentence that didn't make sense, but was grammatically correct, it still would've parsed the sentence successfully. The dependency parse is useful to see what the "most important" words are by seeing the words that have the most dependency links. In my sentence, it was the word "tree" which makes sense, as it is the driving agent in my sentence. However, again, this really does not show the fuller overall meaning of the sentence, and it could also encounter grammatically ambiguous sentences, leading to a dependency parsing that may not actually represent what the intention of the sentence was. Finally using a SRL parse, it allows us to gain a further semantic view. Though my sentence personally did not generate any modifiers, some sentences can generate even more specific indications of the semantics. Because my sentence didn't generate any modifiers, this parse was not as useful as it could've been compared to the others.