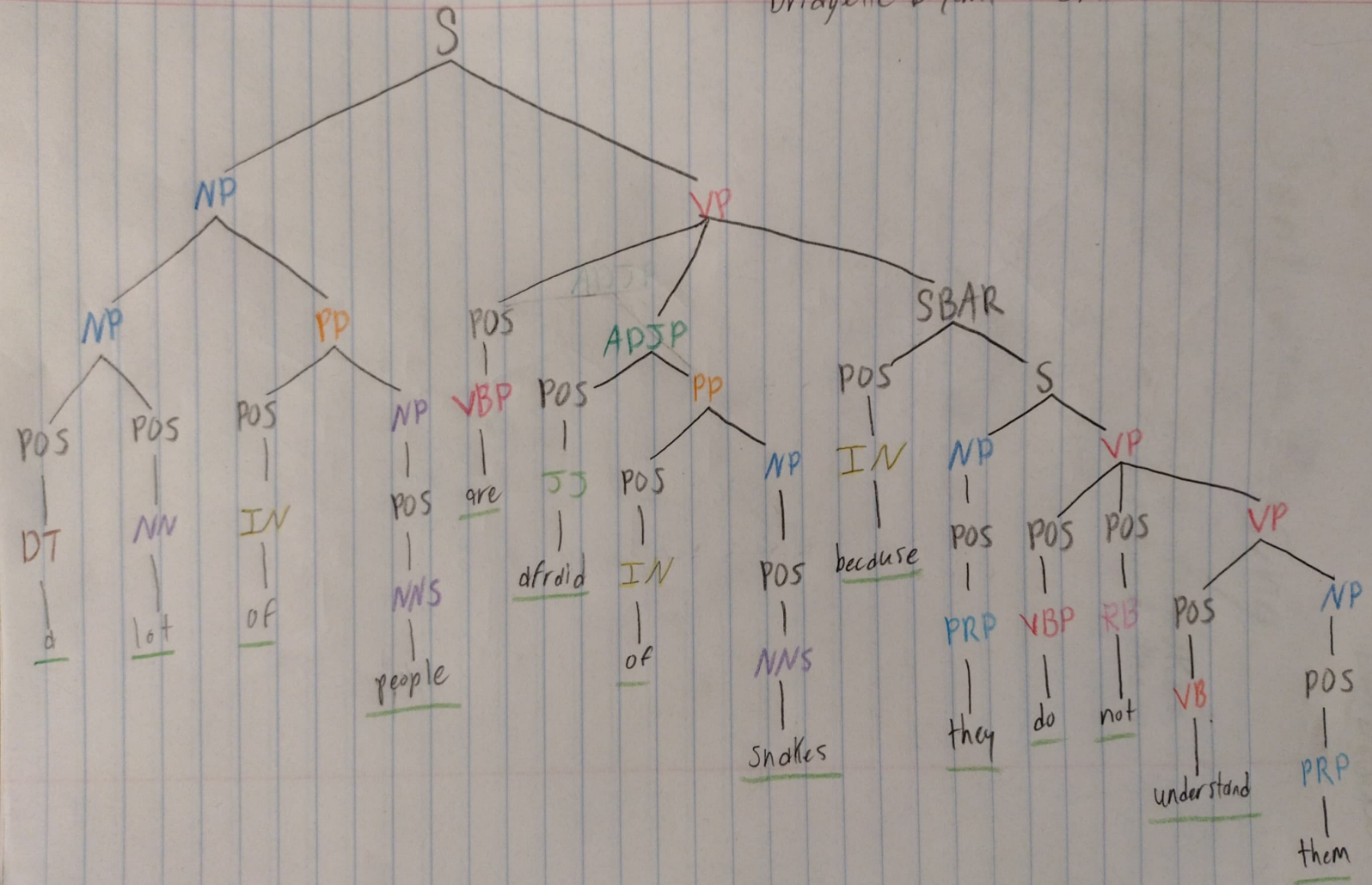


# PSG Tree

## Sentence Parsing

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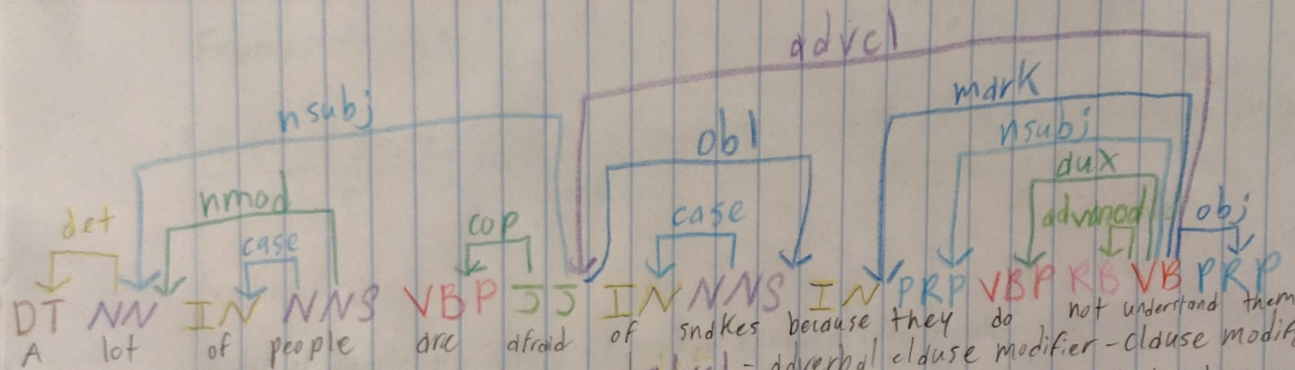


## PSG Tree Labels

- S - simple declarative clause
- SBAR - clause introduced by a subordinating conjunction
- POS - possessive ending
- NP - noun phrase
- NN - noun, singular or mass
- NNS - noun, plural
- PRP - personal pronoun
- VP - verb phrase
- VBP - verb, non-third person singular present
- VB - verb, base form
- RB - adverb
- PP - prepositional phrase
- IN - preposition or subordinating conjunction
- ADJP - adjective phrase
- JJ - adjective
- DT - determiner



# Dependency Parse



**DT** - determiner  
**NN** - noun, singular or mass  
**NNS** - noun, plural  
**IN** - preposition or subordinating conjunction  
**VBP** - verb, non-third person singular present  
**VB** - verb, base form  
**RB** - adverb  
**JJ** - adjective  
**PRP** - personal pronoun

**advcl** - adverbial clause modifier - clause modifying the verb  
**mark** - marker - word introducing a finite clause subordinate to another clause.  
**obl** - oblique nominal - non-core (oblique) argument or adjunct.  
**nsubj** - nominal subject - noun phrase which is the syntactic subject of a clause  
**case** - case marking - relationship between preposition and noun.  
**aux** - auxiliary - non-main verb of the clause  
**advmod** - adverb modifier - adverb/adverb-headed phrase that serves to modify the (meaning of word).  
**nmod** - nominal modifier - relation for nominal dependents of another noun/noun phrase.  
**cop** - copula - relationship between the complement of copular verb and the copular verb.  
**obj** - object - the object of a verb  
**det** - determiner

## SRL Parse

Frames for dre:

A lot of people are afraid of snakes because they do not understand them.

ARG1      V      ARG2      ARGM-CAU

Frames for do:

A lot of people are afraid of snakes because they do not understand them.

## Frames for understand:

A lot of people are afraid of snakes because they do not understand them.

ARGO ARGM-NEG ✓ ARG1

ARGO

- argument-agent

ARG1

- argument - patient

## ARG 2

- argument - instrumental, benefactive, & attribute

ARGM-CAV

- clause modifier - cause clauses

ARGM-NEG

- negation modifier

V

-verb



## Pros/cons

The PSG parse is easy to read in tree form and simple to understand. Even for my sentence with 2 clauses. However, it is very long and lengthy tree. This could become inefficient to use for long and complex sentences. My sentence had 9 parsing splits, many seemed a bit unnecessary (excessive POS). The dependency parse is easier to read each word label. It seems more efficient than the PSG because it has less relations to map compared to the amount of tree splits. However, with long and complex sentences with many relations can make the graph difficult to read all the relations. For example, my sentence had a reasonable amount of relations and is slightly difficult to read the overlapping relations. SRL parse is the easiest to read out of all of them, even for very complex sentences. My sentence was very easy to read as it shows the whole sentence together with a few highlighted labels. But, for long or complex sentences it typically needs multiple frames, therefore multiple parses. This could be very difficult to utilize in a program. For example, my sentence need 3 frames because it had 3 verbs. The way it parses is also very vague and doesn't go into nearly as much detail as the other parsers (doesn't split into types of nouns etc).