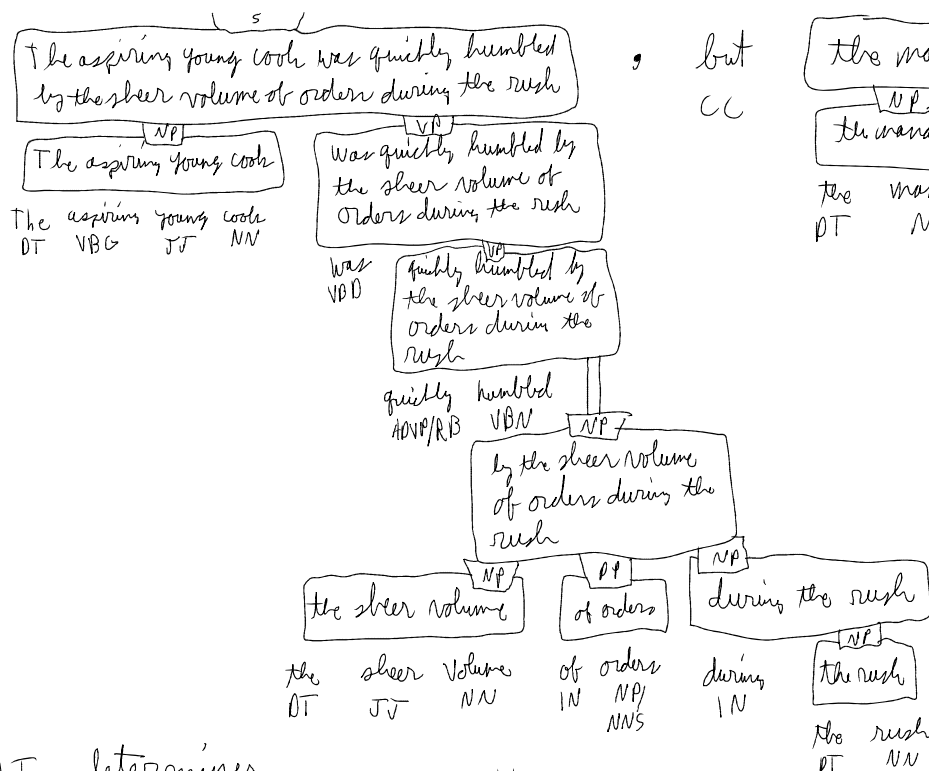
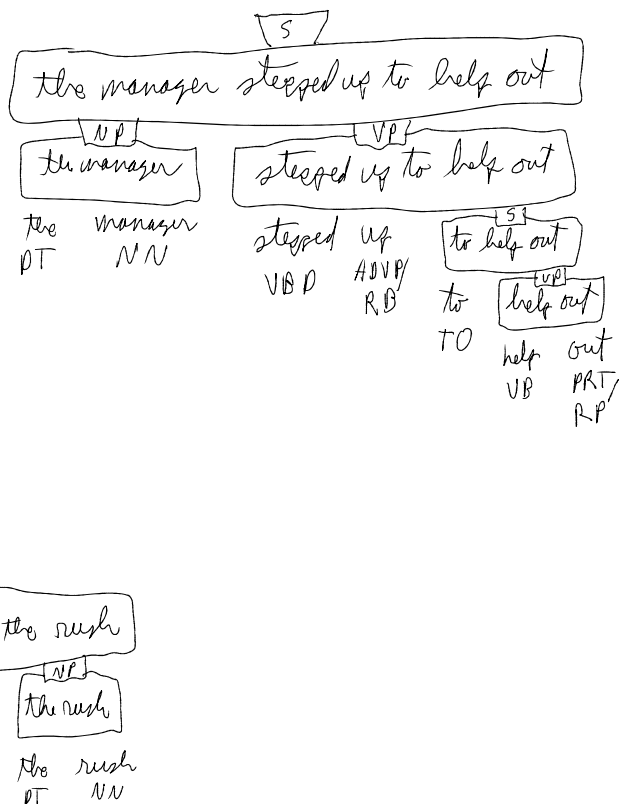


The aspiring young cook was quickly humbled by the sheer volume of orders during the rush, but the manager stepped up to help out.

1)

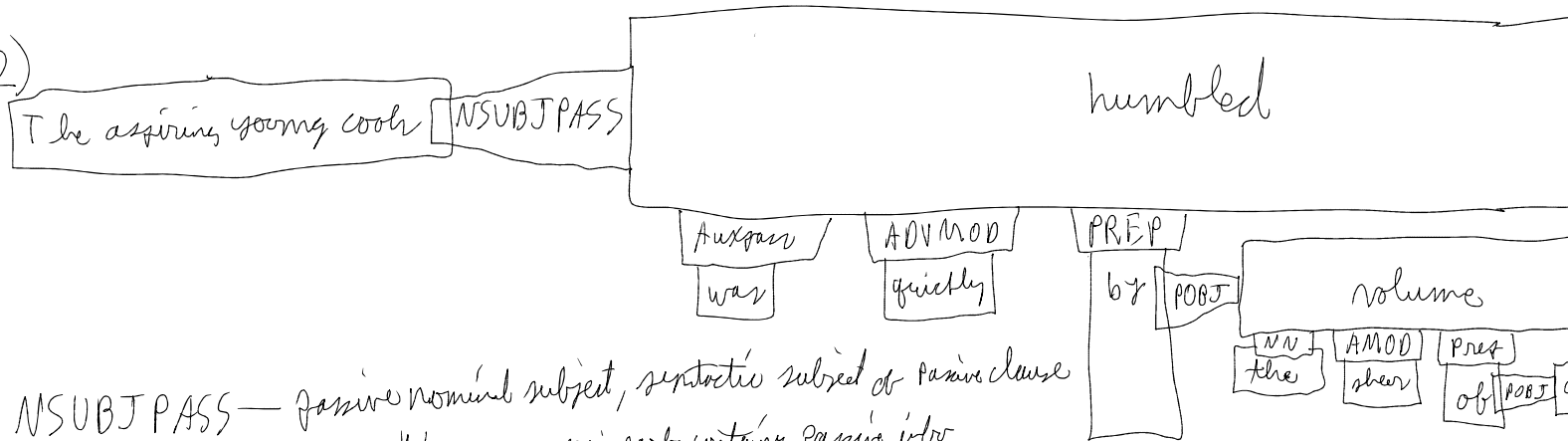


, but
CC



- DT - Determiner
- VBG - Verb, gerund, or present participle
- JT - adjective
- NN - Noun, singular or mass
- VBD - verb, past tense
- ADVP - adverb phrase
- RB - adverb
- VBN - Verb, past participle
- IN - Preposition or subordinating conjunction
- NNs - noun, plural
- S - simple declarative clause
- NP - Noun phrase
- VP - Verb phrase
- PP - Prepositional phrase
- CC - Coordinating conjunction
- TO - the word "to"
- VB - verb, base form
- PRT - Particle; category for words tagged "PRT"

2)



NSUBJPASS — passive nominal subject, syntactic subject of passive clause

AUXPASS - passive auxiliary, non-main verb contains passive info

ADV MOD - adverb modifier, modifier meaning of adverb

PREP - prepositional modifier, serve to modify means of other P.C.
+ head of noun phrase following preposition

POBJ - object of a preposition, ^{head of noun} noun that modifies head of noun

NP - noun compound modifier, Noun modifier meaning of NP

DEF - dependent, default case if unable to determine relation

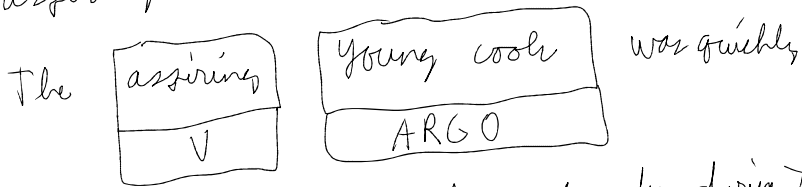
DET - Determiner, relation between head of NP + determiner

NSUDJ - nominal subject, syntactic subject of a clause

XCOMP - open clausal component, Predicative or clausal complement without its own subject

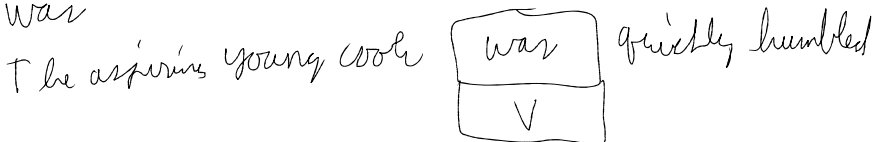
3)

a) aspirins



bunbled by the sheer volume of orders during the rush, but the manager stepped up to help out,

b) was



by the sheer volume of orders during the rush, but the manager stepped up to help out.

a) The young cook is the agent who is aspiring

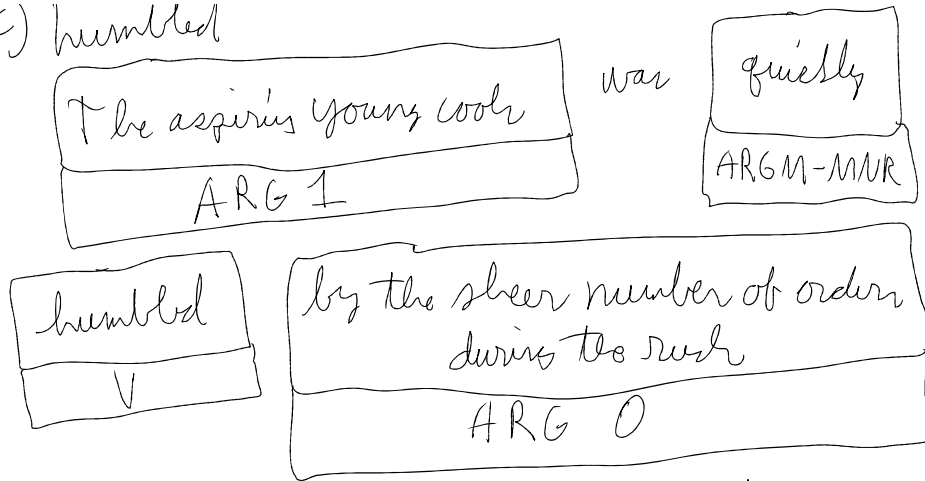
b) Due to "war" being merely a linking verb, its presence is merely acknowledged by the model

c) humbled



c) the orders and associate to

c) humbled

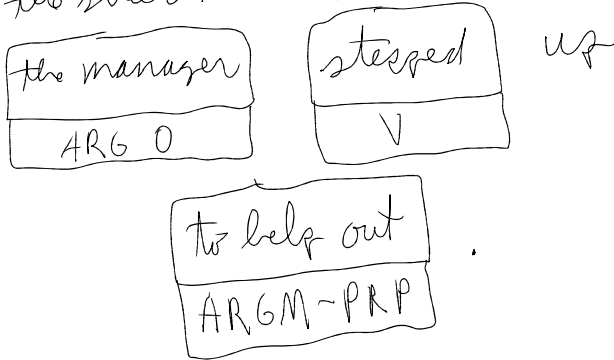


c) The orders and associate words were doing the humbling, quietly modifies how the humbled was being done, and it was performed on the aspiring young cook.

, but the manager stepped up to help out.

d) stepped

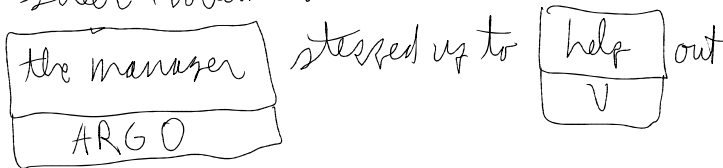
The aspiring young cook was quietly humbled by the sheer volume of orders during the rush, but



d) The manager was the agent performing the stepping (up), and the prepositional phrase "to help out" assigns meaning to how the manager stepped.

e) help

The aspiring young cook was quietly humbled by the sheer volume of orders during the rush, but



e) The manager was the agent doing the helping. I imagine if "to help out" contained "him", then the aspiring young cook would be identified as ARG 1.

ARG 0 - proto-agent, causer of an event
 ARG 1 - proto-patient, undergoes change/causally affected

1/

1/

-

1/

1/

ARGM-MNR → how the action was performed
ARGM-PRP → Reason for action

For the chosen sentence "The aspiring young cook was quickly humbled by the sheer volume of orders during the rush, but the manager stepped up to help out.", I believe that the dependency parse captures the best representation of the overall meaning of the sentence. Relative to the constituency parsing/PSG, while the grammatical information seems less well represented, it still seems to be captured sufficiently while having the benefit of, in my opinion, a better flow to represent the construction and relations between words in the sentence- the nature of the PSG tree having one or a few words split off at each level makes it feel clunky and inefficient overall. The semantic role labeling seemed adequate for its purpose of gleaning more surface-level information from the sentence. While I can imagine it being incredibly useful in situations where you have a very large corpus and can only store so much semantic information about each sentence, in this case it felt like it left too much on the table in this case, so to speak. I feel that if I were to query information about the sentence in a context where the model has a representation in SRL vs a Dependency Parse, I would quickly find the limit of what it could answer with the SRL whereas with the dependency I would more likely struggle to find a question it could not answer.