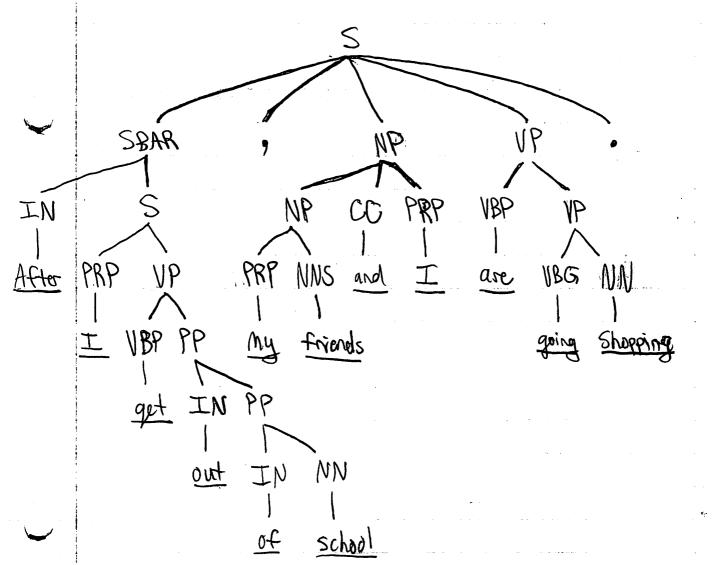
Justin Hardy CS4395,001 Dr. Mozilli

Sentence Parsing

2. Write a fairly complex senture of at least 12 to kens:

"After I get out of school, my friends and I are going shopping."

2. Draw a PSG Tree of the sentence, labelly 905, and define all physics terms used:



		4	
	Phrase Terms Used:		
;	5: Declarative clause,	PRP: Possessive pronoun.	
		VBP: Singular present best.	
	SBAR: Clause intro. by sub. conjunction NP: Nonn Phoese.	MBP: Singular present best. MUS: Plural noun.	
	VP: Verb Phase.	VBG: Present participle verb.	
	IN: A proposition.	PP: Prepositional phrase.	
	CC: A coordinating uniwnetion.	MN: A singular/mass nonn.	
:		U	
3.	Draw Dependency, Page of the sentence	, define all dependency relations:	
	adve		
	IN PRP VER IN IN IN IN IN	possis consistent panet	র
	MINIM WIND WIND	AP DUS CC PRPIVER VEG NW	→
	After Iget out of school, N	y friends and I are going shapping	•
	(************************************		ı
	\$ Tool used: https://cosen/p.run/		
:			
	Dependency Relations Used:		
	adval: Advertial clause modifier.	possi Possession modifier	
		punct: Punctualism,	
	,	obj: Object of	
		mark: marker	
	aux: auxiliary		
	9	•	
U,	Do SRL Parsing on the sentence	• •	- - ,
	Frame 1	Frame 2	
	After I get out of school,	my friends and I are gains shopping	g
: !	ARGZ V ARGZ	ARGO V ARGO	_

The numbered arguments in frame 1 (get) represent the passive actor arg 7 (I) and the instrument of the action arga (getting out of school). Likewise in framed (going), the numbered arguments represent the logical agent arg 0 (my Riends and I) as well as the passive actor arg 1 (shoping).

5. Discuss Pros & cans of each parsing technique:

PSG parsing is good at organizing a scattence into phrases, and sneaking down each phrase. It lades structural ambiguity, however, as we'd talked about incloss with the "I shot an elephant in my pajamas" example. Dependency Parsing is good at parsing free word order, meaning it can parse regardless of word order, which is relevant in other languages, like latin. It also lakes structural ambiguity, and has trouble deciphoring sentences with multiple meanings. SRL is good at Ending the multiple meanings in sentences through its argument-style approach.