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1111	• Can natural language syntax be captured using a context-free grammar?	
-	- Yes, no, sort of, for the most part, maybe.	
	• Words:	
	- nouns, adjectives, verbs, adverbs.	
	- Determiners: the, a, this, that	
	- Quantifiers: all, some, none	
	- Prepositions: in, onto, by, through	
-	- Connectives: and, or, but, while.	
	- Words combine together into phrases: NP, VP	
		31



 Example Parse	
 P =	
 • The mouse saw Sue.	
 3	3







0000000	Augmented CFG's	
	• Consider:	
	 Students like coffee. 	
	 Todd likes coffee. 	
	 Todd like coffee. 	
	S -> NP[number] VP[number]	
	NP[number] -> N[number]	
	N[number=singular] -> "Todd"	
	N[number=plural] -> "students"	
	VP[number] -> V[number] NP	
	V[number=singular] -> "likes"	
	V[number=plural] -> "like"	37



















