

Thursday Sep 12, 2024

In-class Handout

COSC 426A NLP

Prof. Forrest Davis

Name:

Discuss and complete the following questions with the person nearest you. You **may** be asked to share your thoughts with the class.

1. Consider the following CFG for a fragment of English:

S	→	NP VP	N	→	toddler
NP	→	Det N	N	→	apple
NP	→	NP PP	N	→	table
VP	→	V NP	V	→	table
VP	→	V	V	→	ate
VP	→	VP PP	P	→	on
PP	→	P NP	P	→	with
			Det	→	the
			Det	→	a

Figure 1: Fragment of English

Draw trees (i.e. parses) for the following sentences:

- The toddler ate the apple
- The toddler ate the apple on the table