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# LING 20 Homework 7

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February 25, 2022

## Problem 1

The sentence in (1) involves movement.

(1) We know what evidence Sam brought to the newspaper yesterday.

Please provide the structure for this sentence by following the steps below:

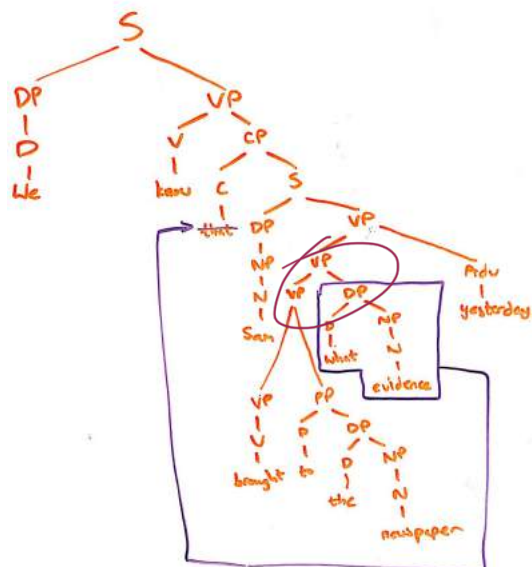
a) Provide the "pre-movement" sentence corresponding to (1) by undoing the movement step.

We know that Sam brought to the newspaper what evidence yesterday.

X

-2

b) Use our phrase-structure rules to draw the tree for the pre-movement sentence and then indicate how movement transforms the tree (i.e. using an arrow). Treat *what* as a determiner.



VP → V DP

## Problem 2

The sentence in (2) involves movement.

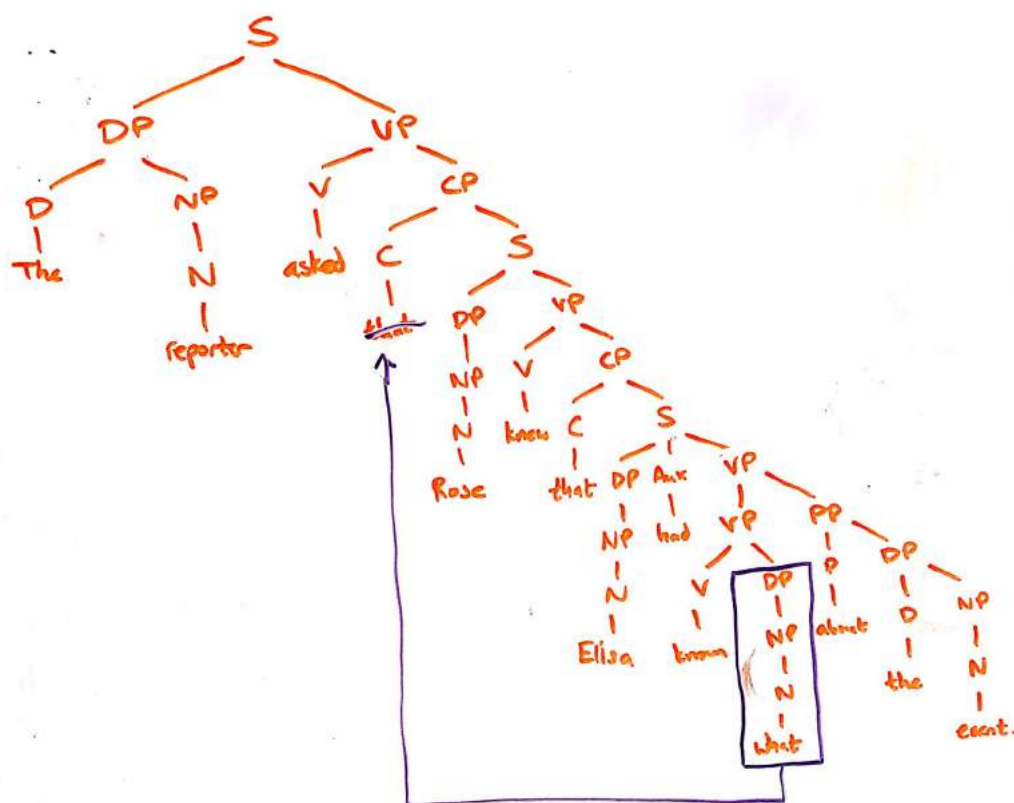
(2) The reporter asked what Rose knew that Elisa had known about the event.

Please provide the structure for this sentence by following the steps below:

a) Provide the "pre-movement" sentence corresponding to (2) by undoing the movement step.

The reporter asked that Rose knew that Elisa had known what about the event.

b) Use our phrase-structure rules to draw the tree for the pre-movement sentence and then indicate how movement transforms the tree (i.e. using an arrow).



## Problem 3

The sentence in (3), which involves movement of *what*, is ungrammatical.

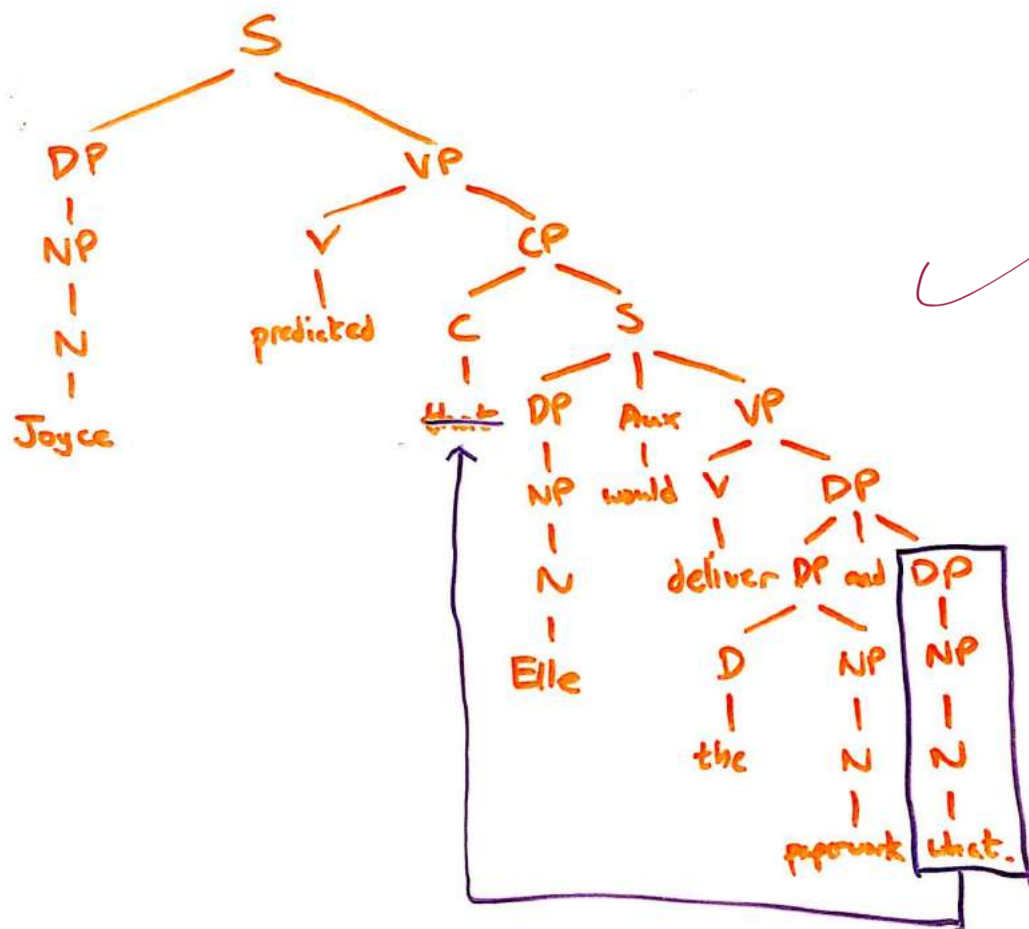
(3) \*Joyce predicted what Elle would deliver the paperwork and \_\_\_\_.

Please explain why (3) is not a possible sentence of English by following the steps below:

a) Provide the "pre-movement" sentence corresponding to (3) by undoing the movement step.

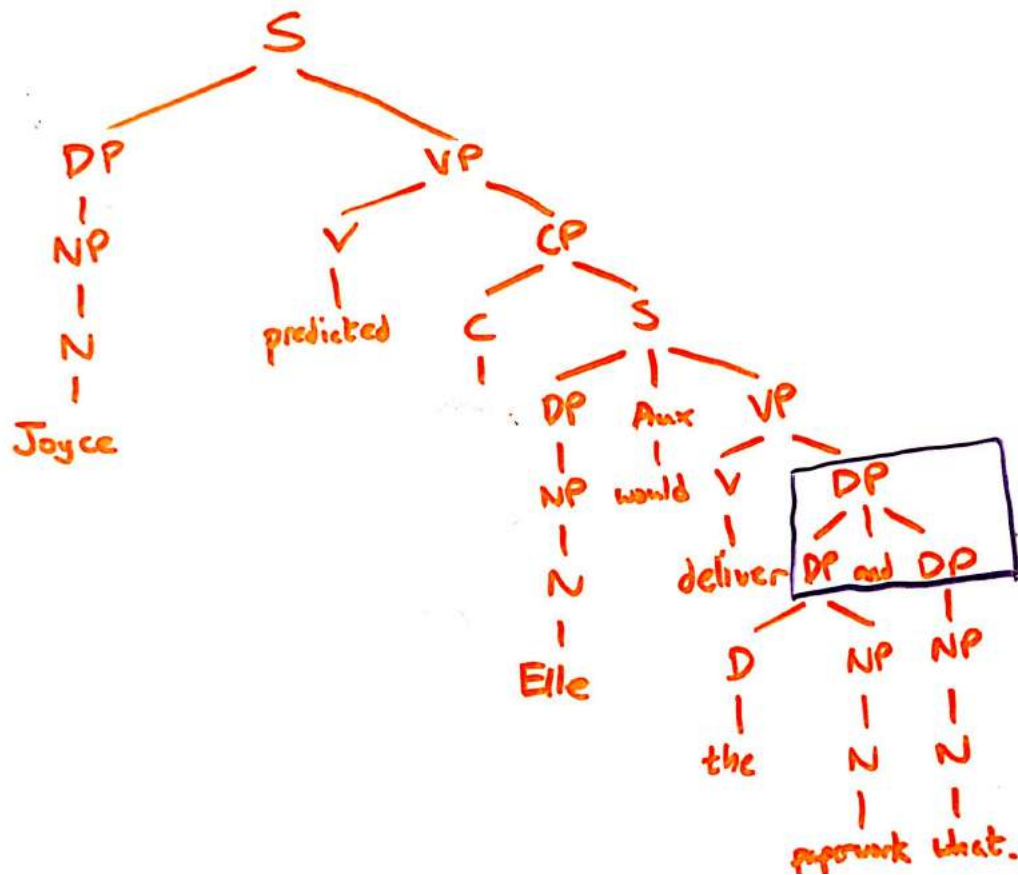
Joyce predicted that Elle would deliver the paperwork and what.

b) Use our phrase-structure rules to draw the tree for the pre-movement sentence and then indicate how movement transforms the tree (i.e. using an arrow).



c) Identify the part of the tree that prohibits this movement, and state the name of the island constraint that is violated.

The island constraint that is violated is the Coordination Constraint. The part of the tree that prohibits this movement is:



## Problem 4

The sentence in (4), which involves movement of *which movie*, is ungrammatical.

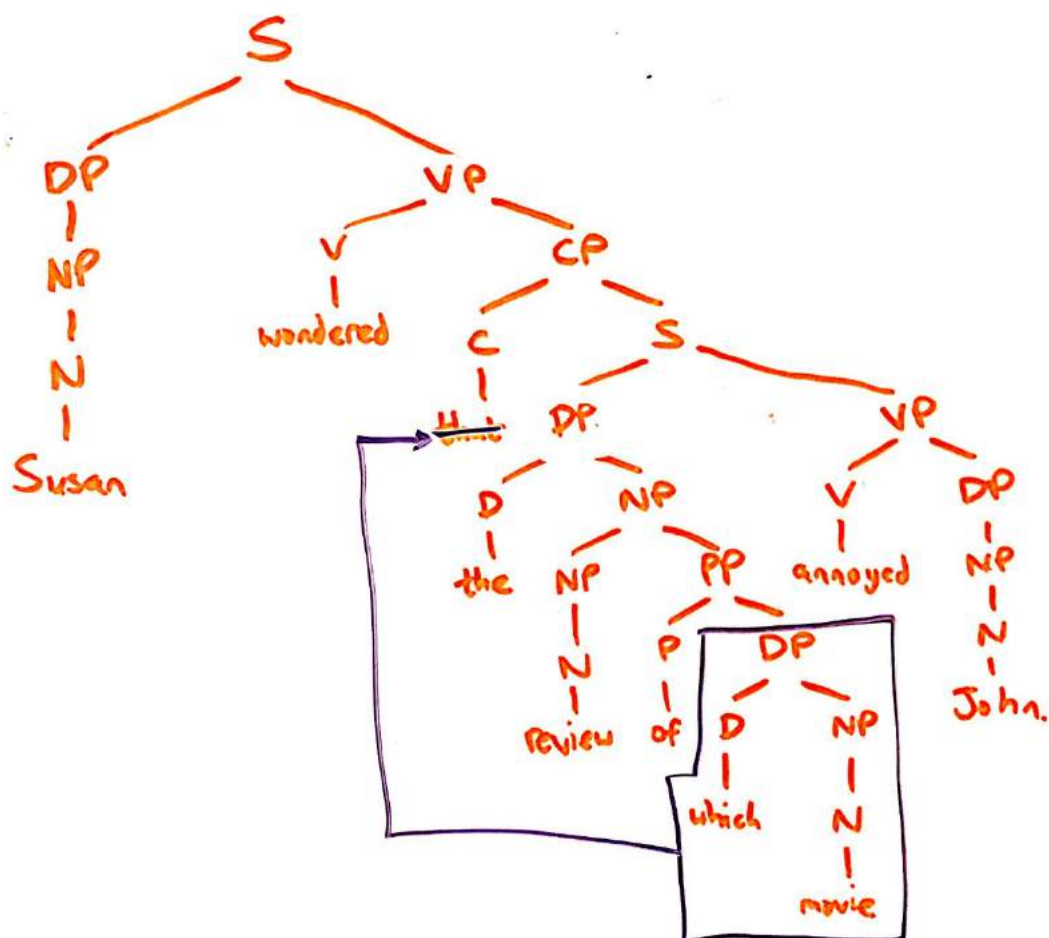
(4) \*Susan wondered which movie the review of annoyed John \_\_\_\_.

Please explain why (4) is not a possible sentence of English by following the steps below:

a) Provide the "pre-movement" sentence corresponding to (4) by undoing the movement step.

Susan wondered that the review of which movie annoyed John.

b) Use our phrase-structure rules to draw the tree for the pre-movement sentence and then indicate how movement transforms the tree (i.e. using an arrow).



c) Identify the part of the tree that prohibits this movement, and state the name of the island constraint that is violated.

The island constraint that is violated is the Subject Constraint. The part of the tree that prohibits this movement is:

