

## Assignment 8: X-Bar Theory and CPs

1. Problem 1 from Chapter 6 of the textbook (page 160). Also consider the following sentence.

- (1) Robert thinks that that student should eat asparagus.

Draw trees for all the sentences.

2. Consider the following boldfaced VP in the following sentence.

- (2) Martyn [**read this article on that train yesterday**].

Assume that *yesterday* is an AdvP. This VP is structurally ambiguous.

a. Using X-bar notation throughout, construct a tree for the two readings of this VP indicating which tree goes with which reading.

b. Only one reading survives in the following sentence.

- (3) Martyn read this article and took a nap on that train yesterday.

Identify the surviving reading, draw a tree for this sentence, and explain why the other reading is unavailable here.

c. Only one reading survives in the following sentence.

- (4) Martyn read that article on this train and a book about vampires yesterday.

Identify the surviving reading, draw a tree for this sentence, and explain why the other reading is unavailable here.

d. Both readings survive in the following sentence.

- (5) *Martyn read this article on that train yesterday.*  
Bill did so last month.

Explain why *do so* substitution is compatible with both readings. Assume *last month* is an AdvP.

e. The following sentence is ungrammatical under either interpretation. Explain why.

- (6) *Martyn read this article on that train yesterday.*  
\*Bill did so the paper on the bus last month.