

Extra review practice for final exam

Try these practice problems on your own — bring questions to your recitation on Friday.

A. Syntax tree

- Draw a tree structure for the following sentence, using the X-bar schema and other relevant tools and concepts. This example includes some combinations that we haven't seen together before, but our class model of X-bar structure is powerful enough to analyze this.

I feel proud that my little brother always puts his shoes in the closet.

B. Phonology problem

- Consider the **voiceless palatal oral fricative [ç]** and the **voiceless velar oral fricative [x]** in German. Do these sounds belong to separate phonemes, or are they allophones of the same phoneme? (Note: [ɣ] is a voiced uvular oral fricative.)
 - If you think they are **separate phonemes**, explain why.
 - If you think they are **allophones of the same phoneme**, choose a basic form of the phoneme and write a phonological rule USING SOUND PROPERTIES that generates the other allophone in the appropriate environment.

a. [bux]	'book'	f. [dɔx]	'yet'
b. [çemi]	'chemistry'	g. [maŋçə]	'some'
c. [dɪç]	'you'	h. [zuxtə]	'looked for'
d. [kuxən]	'cake'	i. [ɤɛçnən]	'to count'
e. [ɤɛçt]	'right'	j. [nɔx]	'still, yet'