

**Homework #3: Due by Monday, October 20th**

**Lin4320/6323**

**From Odden, p. 168 #6:** Formalizing rules using distinctive features **(2 points)**

Note that the inventories for each language are given to you. You should use those inventories so that you can write the rules as simply and briefly as possible. However, be sure that you do not write your rules so generally that they apply to segments that you do not intend them to apply to.

**From the Odden book, p. 207-8: SerboCroatian** **(7 points)**

(be sure to turn the page and account for all the data provided!)

Propose an analysis of the data that accounts for all the alternations. Be sure to also include:

- 1) a lexicon of underlying representations for all the morphemes (adjectives, verbs, and suffixes)
- 2) a statement of phonological rules in prose and formal notation
- 3) justifications for your choices of underlying forms and rules
- 4) assuming extrinsic rule ordering, a discussion of any rule ordering that is required, including derivations to illustrate the crucial orderings, labeled by name. Make sure that the overall rule ordering you propose works for all forms in the language (but you should not turn in derivations for all forms, just enough to show that your analysis works).

**Graduate Students:** **(1 point)**

- 4) a discussion of whether extrinsic ordering is required, or whether some form of intrinsic ordering or simultaneous application of rules could handle these alternations