

Below are four problems which are comparable in organization, complexity and length to the four problems on the upcoming Ling 100 final.

Problem 1

Problem 3.4 (Maltese) from the Language Files (p. 132-3).

Problem 2

This problem is about PPs of the sort found in (2)-(4):

- (1) Harry slept.
- (2) Harry slept *in Manilla*.
- (3) Harry slept *for hours*.
- (4) Harry slept *on Thanksgiving*.

Below is a simplified version of our class grammar Bob 2.5, which we will call Bob 3.0. Rules and lexical entries not relevant for this problem have been left out, and the remaining PSRs have been renumbered.

Bob 3.0

PHRASE STRUCTURE RULES

PSR1 $S \rightarrow NP VP$

PSR2 $NP \rightarrow N$

PSR3 $VP \rightarrow V1$

PSR4 $PP \rightarrow P NP$

LEXICON

$N = \{\text{Sally, Harry}\}$

$V1 = \{\text{slept, wept}\}$

$P = \{\text{of}\}$

Hypothesis I PPs like *in Manilla*, *for hours*, and *on Thanksgiving* are sisters of the verb and to generate (1)-(4) and we should amend Bob 3.0 as follows:

- add *in*, *for*, and *on* as Ps in the lexicon, AND
- add *Manilla*, *hours*, and *Thanksgiving* as Ns in the lexicon, AND
- change PSR3 to PSR3': $VP \rightarrow V1 (PP)$, where (PP) means that the PP daughter is optional.

Hypothesis II PPs like *in Manilla*, *for hours*, and *on Thanksgiving* are sisters of VP and to generate (1)-(4) and we should amend Bob 3.0 as follows:

- add *in*, *for*, and *on* as Ps in the lexicon, AND
- add *Manilla*, *hours*, and *Thanksgiving* as Ns in the lexicon, AND
- add the following PSR to the grammar: PSR5: $VP \rightarrow VP PP$

Task 1 Do both hypotheses account for the data in (1)–(4)? (A simple yes or no answer is sufficient here)

Task 2 For each of the two hypotheses draw the tree associated with (4) by Bob 3.0 under that hypothesis.

Task 3 Based on the data in (5)–(8), argue in favor of either Hypothesis I or Hypothesis II. Your argument should include empirical as well as theoretical considerations. Support your argument with reference to specific examples.

- (5) Harry slept in Manilla on Thanksgiving.
- (6) Harry slept for hours on Thanksgiving.
- (7) Harry slept for hours in Manilla.
- (8) Harry slept for hours in Manilla on Thanksgiving.

Bonus question Do the data in (9)–(11) present a problem for either or both of the hypotheses? If yes, why and if no, why not?

- (9) Harry slept in Manilla in Manilla.
- (10) Harry slept for hours in Manilla for hours.
- (11) Harry slept on Thanksgiving on Thanksgiving on Thanksgiving on Thanksgiving.

Problem 3

This part of the final is concerned with meaning relationships between the following four sentences:

- (12) The marathon was won by Sally's sister.
- (13) Sally's sister won the marathon.
- (14) The marathon was won by a woman.
- (15) Sally was proud of her sister.

Task 1 Does (12) presuppose, entail or implicate (13)? Support your answer by considering the truth of (12) and (13) in different scenarios and/or by applying the relevant tests.

Task 2 Does (12) presuppose, entail or implicate (14)? Support your answer by considering the truth of (12) and (14) in different scenarios and/or by applying the relevant test(s).

Task 3 Does (12) presuppose, entail or implicate (15)? Support your answer by by considering the truth of (12) and (14) in different scenarios and/or applying the relevant test(s).

Problem 4

PLEASE ANSWER ONE OF THE FOLLOWING THREE QUESTIONS. Your answer should be between half a page and a page and a half, and you should include concrete examples to support your explanation. Start by indicating which question (1, 2, or 3) you are answering.

Question 1 What kinds of abstract representations are used in phonology and what role do they play in phonological analysis?

Question 2 What is the difference between reduplication and affixation? Relate your answer to the distinction between morphological processes and morphological pieces.

Question 3 Linguists assume that sentences can be true, false or truth-value-less (i.e., lack a truth value). Which sentences fall under the third category and why do we need to make this three-way distinction?