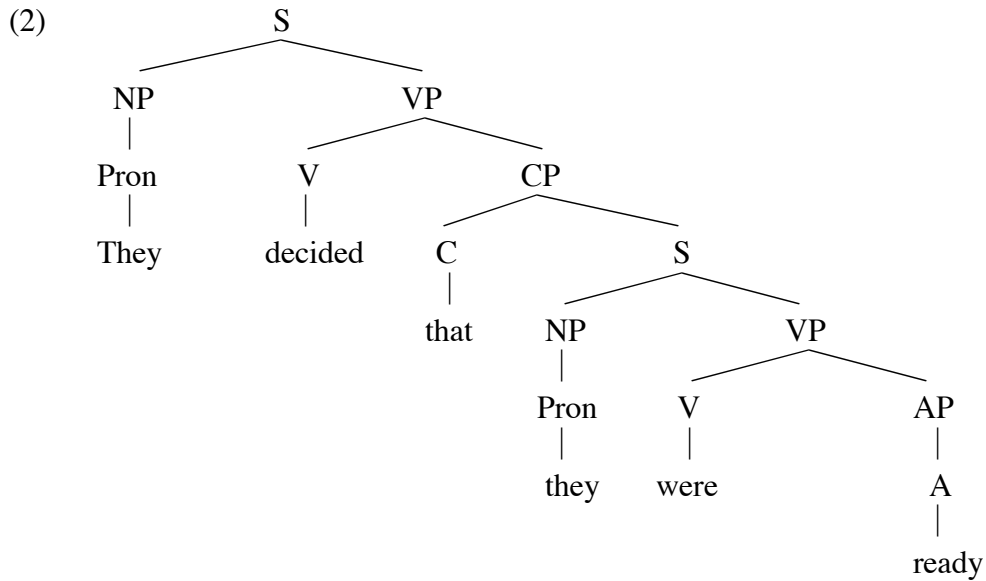
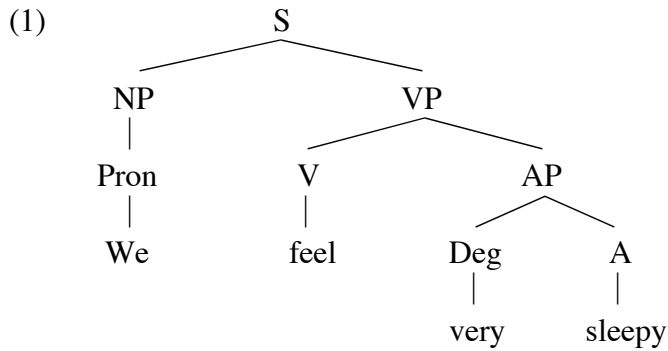


Ling 315, Assignment 2. Solution.

For this assignment, we assumed the following grammar.

$S \rightarrow NP VP$ $NP \rightarrow (D) (AP) N (PP)$ $NP \rightarrow \text{Pronoun}$
 $AP \rightarrow (\text{Deg}) A$ $PP \rightarrow P (NP)$ $CP \rightarrow C S$
 $VP \rightarrow V (NP) (PP) (PP) (AP) (CP)$

Part A. Phrase structure trees:



(3) See tree given in class.

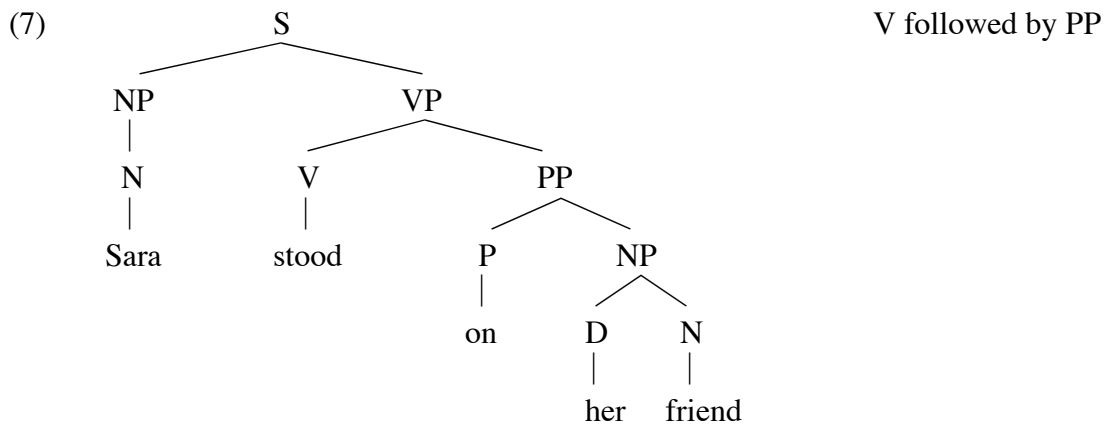
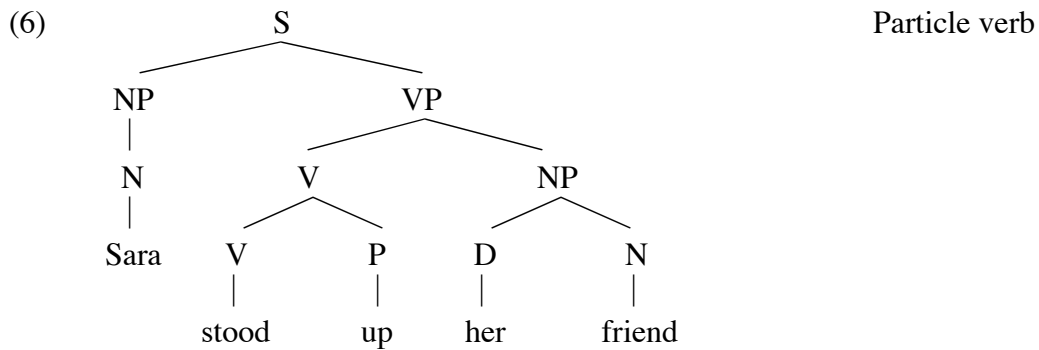
Part B. The following two sentences look superficially similar:

- (4) Sara stood up her friend. (5) Sara stood on her friend.

However, they have different constituent structures: One of these sentences contains a particle verb, the other contains a verb followed by a prepositional phrase.

Answer the following, in clear, complete sentences.

Task 1: Example (4) contains a particle verb, while (5) does not. The phrase structure trees for each are as follows:



Task 2. The answer to Task 1 is supported by the following diagnostic tests for identifying a particle verb.

First, only in the particle verb case may the preposition move to the right of *her friend*:

- (8) Sara stood her friend up. Particle verb.
 (9) *Sara stood her friend on. Not a particle verb.

Second, only in the particle verb case may *her friend*, when preceded by the preposition, NOT be replaced by a pronoun:

- (10) *Sara stood up him. Particle verb.
(11) Sara stood on him. Not a particle verb.

Third, the cleft test shows that in the particle verb case, the P does not form a constituent with the object NP (in this case, *up* does not form a constituent with *her friend*):

- (12) *It was up her friend that Sara stood. Particle verb.

In contrast, *on her friend* does pass this test for constituency, and thus we have support for treating *on her friend* as a PP.

- (13) It was on her friend that Sara stood. Not a particle verb.

Similarly, the movement test also shows that *up her friend* does not form a constituent, while *on her friend* does:

- (14) *Up her friend, Sara stood. Particle verb.
(15) On her friend, Sara stood. Not a particle verb.

Finally, the replacement test indicates that *on her friend* may be replaced by *there*, but *up her friend* may not, thus, the former is a constituent, while the latter is not.

- (16) *Sara stood there. Particle verb.
(17) Sara stood there. Not a particle verb.

Tasks 3 and 4: Answers vary.