Problem Set 3

Due September 14 before class. Submit on Luminus > Files > Student Submission > PS3.

1. **Dragons**

   It is possible to build the sentences in (1) using the lexicon in (2), with the rules Merge and Move_phrase as defined in PS2.

   (1) a. All the dragons will arrive.

      b. The dragons will all eat wantan mee.

   (2) a. the dragons = [N]   (pretend this is one word)

      b. wantan mee = [N]   (pretend this is one word)

      c. all = [N; uN]

      d. arrive = [V; uN]

      e. eat = [V; uN]

      f. will = [T; uN*]

      g. [v]

      h. [v; uN]

   For each sentence in (1), (i) draw a tree with nodes numbered and (ii) give the sequence of Merge and Move_phrase operations used to build the sentence.

   Remember that every sentence must have the sequence T > v > V (The Hierarchy of Projections). Notice that there are two options for v in (2). You will have to choose the appropriate one for each sentence.

2. **A problem with quantifier float**

   The sentence in (3) is ungrammatical in English, but our current system using the words in (2) above will be able to generate it. Explain what the problem is.

   (3) * The dragons will arrive all.

   (Hint: What kind of intransitive verb is *arrive*?)

(No extra R problem for this ps.)