Exercise 8 (Due by July 11)

1. Consider the following sentence involving object control:

   (1) Mary persuades John to leave.

   (a) Provide the lexical entries (of type word) of “Mary”, “John”, “persuades”, and “to leave”.
   (b) Give the derivation of (1) in tree notation. Focus on CATEGORY, as on the slides. You may use abbreviations here!

2. Consider the following sentence involving long-distance dependency:

   (2) Whom did Kim say Peter loves.

   Give the derivation of (2) in tree notation. Assume that “did” and “say” have the following lexical entries (only the relevant part):

   “did”:
   
   word
   
   SYNSEM | LOC | CAT
   
   HEAD
   
   \[
   \begin{array}{c}
   \text{head} \\
   \text{verb} \\
   \text{vform} \\
   \text{fin}
   \end{array}
   \]
   
   \[
   \begin{array}{c}
   \text{subcat} \\
   \text{VP[fin]}
   \end{array}
   \]

   “say”:
   
   word
   
   SYNSEM | LOC | CAT
   
   HEAD
   
   \[
   \begin{array}{c}
   \text{head} \\
   \text{verb} \\
   \text{vform} \\
   \text{infin}
   \end{array}
   \]
   
   \[
   \begin{array}{c}
   \text{subcat} \\
   \text{NP[nom],VP[fin]}
   \end{array}
   \]