2 Based on Radford, Exercise XVI, page 225

• Question 1 Write an ungrammatical sentence that would be generated if “I” and “him” were Ns.

(1) *The I like the him

• Question 2 Write an ungrammatical sentence that would be generated if “his” were an N.

(2) *I like the his

Write a (grammatical) sentence that could not be generated if “his” were an N” (and not a determiner)

(3) I like his factory

• Question 3 What are the two meanings of “I like that picture of him in his pushchair”

I see three meanings:

(4) ?I am in his pushchair and I am (in the act of) liking that picture of him

(5) I like a picture in which he appears in his pushchair

(6) I like a picture of him which is located in his pushchair
I will consider only (5) and (6); Radford restricts attention to within the object noun phrase, and reading the sentence with meaning (4) sounds a little off to me anyways. The most natural reading for me is (5).

- **Question 4**
  The phrase structure rules do not generate a tree corresponding to the meaning (5).

- **Question 5**

- **Question 6**
  I see the following two meanings:

  (7) The workers in the factory and the managers in the (same) factory just don’t get on

  (8) The managers in the factory and the workers (of unknown provenance) just don’t get on

- **Question 7**
  The phrase structure do not generate a tree corresponding to (7).
• Question 8

The diagram shows a sentence structure with the following analysis:

- S
  - N''
    - Det
      - the
      - workers
    - CONJ
    - and
      - Det
        - the
        - managers
    - N'
      - PP
        - in
          - Det
            - the
            - factory
  - N''
  - VP
    - just don't get on

• Question 9

The following new rules are required

\( N'' \rightarrow N'' \ PP \)
• Question 10

S
  N''
    VP
      V
        V'
          like
            Det
              N'
                that
                  N''
                    PP
                      picture
                        of
                          N''
                            PP
                              him
                                P
                                  in
                                    Det
                                      N'
                                        his
                                          N
                                            pushchair

• Question 11

S
  N''
    VP
      just dont get on
        N''
          PP
            in
              Det
                N'
                  the
                    N
                      factory
        CONJ
          N''
            PP
              in
                Det
                  N'
                    the
                      N
                        managers
        Det
          N'
            the
              N
                workers