Linguistics 20, Homework 6

Michael Wu
UID: 404751542
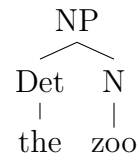TA: Eleanor Glewwe
Discussion 1F Friday 9:00-9:50 AM
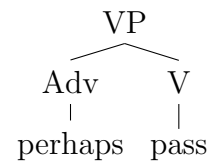
May 13th, 2019

Chapter 5, Problem 3
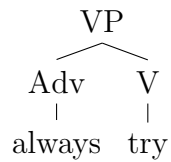
a) the zoo

```
      NP
     /  \
  Det    N
   |     |
  the   zoo
```

b) always try

```
        VP
       /  \
    Adv    V
     |     |
  always  try
```

c) so witty

```
        AP
       /  \
    Deg    A
     |     |
    so    witty
```

d) perhaps pass

```
        VP
       /  \
    Adv    V
     |     |
  perhaps pass
```

e) less bleak

```
        AP
       /  \
    Deg    A
     |     |
    less  bleak
```
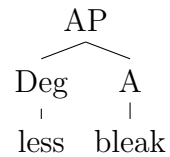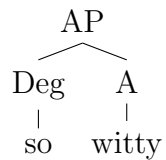
f) this house

```
        NP
       /  \
    Det    N
     |     |
    this  house
```

g) very competent
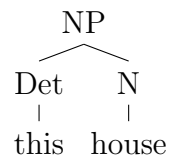
```
        AP
       /  \
     Deg    A
      |     |
    very  competent
```

i) never surrender
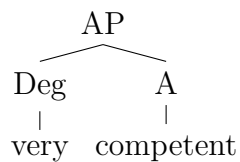
```
        VP
       /  \
     Adv    V
      |     |
    never  surrender
```
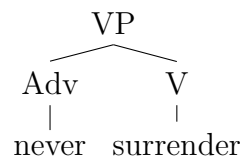
h) quite cheap

```
        AP
       /  \
     Deg    A
      |     |
    quite  cheap
```
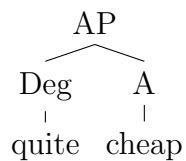
j) those books

```
        NP
       /  \
     Det    N
      |     |
    those  books
```
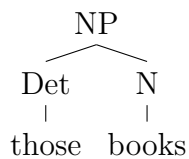
Chapter 5, Problem 4

a) into the house

```
        PP
       /  \
      P    NP
      |    /  \
    into Det   N
          |    |
         the  house
```

c) full of mistakes
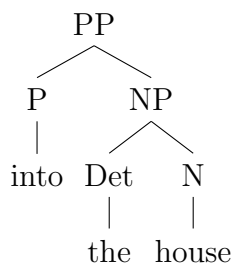
```
        AP
       /  \
      A    PP
      |   /  \
    full P    NP
         |    |
         of   N
              |
           mistakes
```

b) fixed the printer
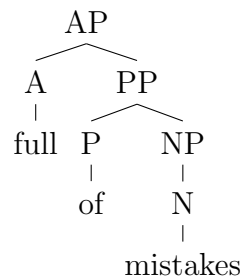
```
        VP
       /  \
      V    NP
      |    /  \
    fixed Det  N
           |   |
          the printer
```

d) more toward the window
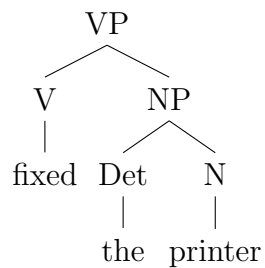
```
          PP
        /    \
      Deg     P'
       |     /  \
     more   P    NP
            |   /  \
         towards Det  N
                 |    |
                the  window
```

e) a film about pollution
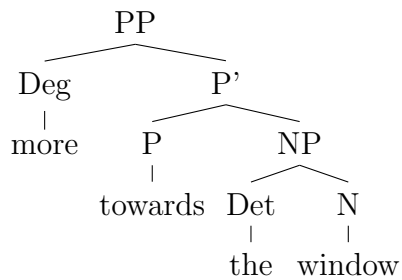
```
            NP
        ┌────┴────┐
       Det        N'
        │     ┌───┴────┐
        a     N        PP
        │   ┌─┴──┐
       film  P    NP
              │    │
            about  N
                   │
                pollution
```
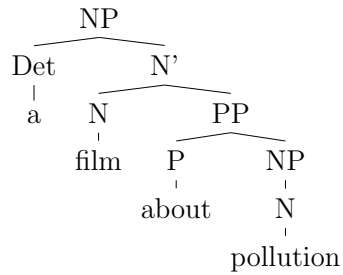
h) that argument with Owen

```
            NP
        ┌────┴─────┐
       Det         N'
        │      ┌────┴────┐
       that    N         PP
        │      │      ┌──┴──┐
     argument  P      NP
               │       │
              with     N
                       │
                      Owen
```
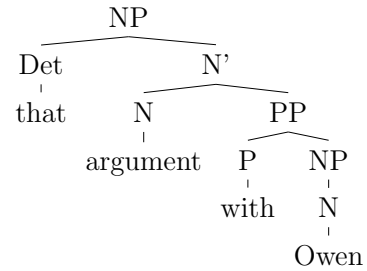
f) always study this material

```
            VP
        ┌────┴────┐
       Adv        V'
        │     ┌───┴────┐
      always  V        NP
        │     │     ┌──┴───┐
      study  Det    N
             │      │
            this  material
```
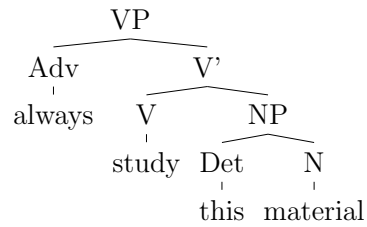
i) the success of the program

```
            NP
        ┌────┴────┐
       Det        N'
        │     ┌───┴────┐
       the    N        PP
        │     │     ┌──┴──┐
      success  P     NP
               │  ┌──┴──┐
              of  Det    N
                  │      │
                 the  program
```

g) perhaps earn the money
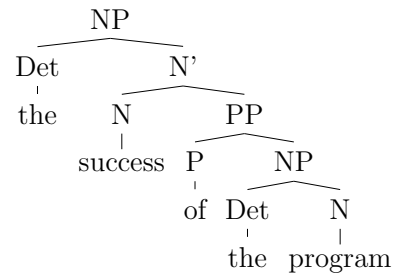
```
            VP
        ┌────┴────┐
       Adv        V'
        │     ┌───┴────┐
     perhaps   V        NP
        │      │    ┌───┴───┐
       earn   Det    N
              │      │
             the   money
```
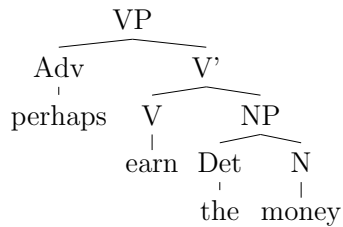
Chapter 5, Problem 5

a) Those guests should leave.

```
             TP
        ┌─────┴─────┐
       NP           T'
     ┌──┴──┐     ┌──┴──┐
    Det    N     T     VP
     │     │     │      │
   those guests should  V
                        │
                      leave
```
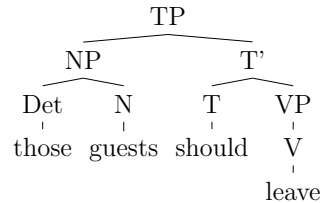
b) Maria never ate a brownie.

```
             TP
        ┌─────┴─────┐
       NP           T'
        │       ┌───┴───┐
        N       T       VP
        │       │    ┌──┴──┐
      Maria   +Pst  Adv    V'
                     │   ┌──┴──┐
                   never  V    NP
                          │  ┌─┴──┐
                         ate Det   N
                             │     │
                             a  brownie
```

3
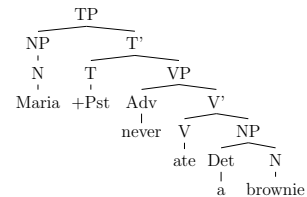
c) That shelf will fall.

```
              TP
         ┌─────┴─────┐
        NP           T'
      ┌──┴──┐      ┌──┴──┐
     Det    N     T     VP
      |     |     |     |
     that shelf will    V
                        |
                       fall
```

d) The glass broke.

```
              TP
         ┌─────┴─────┐
        NP           T'
      ┌──┴──┐      ┌──┴──┐
     Det    N     T     VP
      |     |     |     |
     the  glass +Pst    V
                        |
                      broke
```

e) The student lost the debate.

```
              TP
         ┌─────┴─────┐
        NP           T'
      ┌──┴──┐     ┌───┴───┐
     Det    N    T        VP
      |     |    |      ┌──┴──┐
     the student +Pst   V    NP
                        |   ┌─┴─┐
                      lost Det  N
                            |   |
                           the debate
```

f) The manager may offer a raise.

```
              TP
         ┌─────┴─────┐
        NP           T'
      ┌──┴──┐     ┌───┴───┐
     Det    N    T        VP
      |     |    |      ┌──┴──┐
     the manager may    V    NP
                        |   ┌─┴─┐
                     offer Det  N
                            |   |
                            a  raise
```
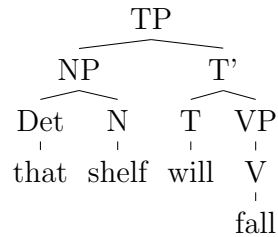
g) The judge never jails shop-lifters.

```
              TP
         ┌─────┴─────┐
        NP           T'
      ┌──┴──┐     ┌───┴───┐
     Det    N    T        VP
      |     |    |     ┌───┴───┐
     the  judge -Pst  Adv      V'
                       |     ┌──┴──┐
                     never   V    NP
                             |    |
                           jails  N
                                  |
                              shoplifters
```
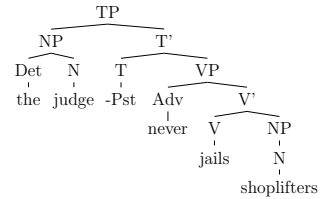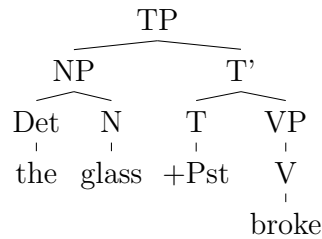
h) The teacher often organized a discussion.

```
              TP
         ┌─────┴─────┐
        NP           T'
      ┌──┴──┐     ┌───┴───┐
     Det    N    T        VP
      |     |    |     ┌───┴───┐
     the teacher +Pst Adv      V'
                       |     ┌──┴──┐
                     often   V     NP
                             |   ┌─┴─┐
                        organized Det  N
                                   |   |
                                   a discussion
```
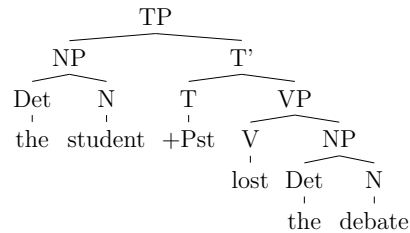
i) A psychic will speak to this group.

```
              TP
         ┌─────┴─────┐
        NP           T'
      ┌──┴──┐     ┌───┴───┐
     Det    N    T        VP
      |     |    |     ┌───┴───┐
      a  psychic will  V       PP
                       |    ┌───┴───┐
                     speak  P       NP
                            |     ┌─┴─┐
                            to   Det  N
                                  |   |
                                 this group
```

j) Marianne could become quite fond of Larry.

```
              TP
         ┌─────┴─────┐
        NP           T'
       |          ┌──┴───┐
       N          T       VP
       |          |    ┌──┴──┐
   Marianne     could  V      AP
                       |   ┌──┴──┐
                    become Deg    A'
                            |   ┌─┴──┐
                          quite A    PP
                                |  ┌─┴─┐
                              fond P   NP
                                   |   |
                                   of  N
                                       |
                                     Larry
```
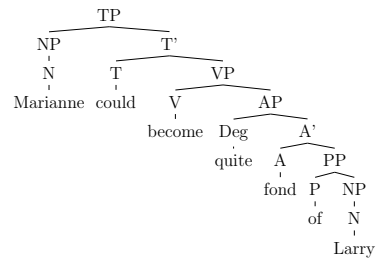
Chapter 5, Problem 6

a) [$_{NP}$ The news] upset the entire family. [$_{NP}$ It] upset the entire family. This is a constituent.

b) They hid [$_{PP}$ in the cave]. They hid [$_{PP}$ under it]. This is a constituent.

c) The [computer was very] expensive. This is not a constituent, as it does not fit any form that follows the X' schema and cannot be replaced.

d) [$_{NP}$ The houses] will be rebuilt. [$_{NP}$ It] will be rebuilt. This is a constituent.

e) Jane will [$_{VP}$ leave town]. Jane will [$_{VP}$ go]. This is a constituent.

f) The goslings [swam across] the lake. This is not a constituent, since the X' schema requires that the verb phrase includes "the lake". Although "swam across" could be a verb phrase by itself, its position within the sentence means we cannot separate it and replace it with any other verb phrase.

Chapter 5, Problem 7

a) We ate our lunch [$_{PP}$ near the river bank]. [$_{PP}$ Near the river bank], we ate our lunch. This is a constituent.

b) Steve looked [up the number] in the book. This is not a constituent, as we cannot move it anywhere that makes sense. The words "looked up" need to stay together.

c) The [island has been] flooded. This is not a constituent, as we cannot move it anywhere that makes sense. The words "has been" should be grouped with the verb "flooded".

d) I love [peanut butter and bacon sandwiches]. Although this phrase makes sense as a noun phrase, the movement test does not work since we cannot move it anywhere that makes sense.

e) The environmental [movement is gaining momentum]. This is not a constituent, as we cannot move it anywhere that makes sense.