Demo

Kelly Roach

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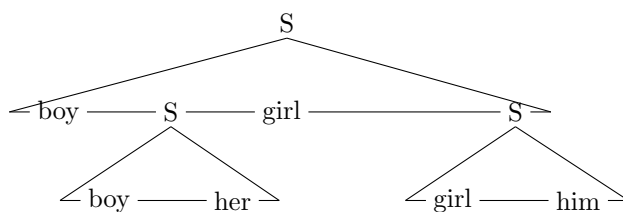`https://www.kellyroach.com`

(31 December 2024)

(1.1) The boy who was fooling her kissed the girl who loved him.

(1.1) The boy who was fooling her kissed the girl who loved him.

Features								
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
boy	−	−	−	+	−	−	+	−	−
her	+	−	−	+	−	+	+	−	?
girl	−	−	−	+	−	+	+	−	−
him	+	−	−	+	−	−	+	−	−

Nodes	
1	`(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)`
2	`(N, lit:boy, ftr:[---+--+--], up:1, dn:0,`
	` lt:0, rt:3, th:3, np:2, ch:0, co:2`$_a$`, ec:2`$_b$`,`
	` pr:0, su:5, nu:2)`
2$_a$	`(E, sub:A, ftr:[---+--+--], np:2, ch:0, co:2`$_b$`)`
2$_b$	`(E, sub:B, ftr:[---+--+--], np:2, ch:9`$_a$`, co:0)`
3	`(S, up:1, dn:4, lt:2, rt:6, th:4, nu:3)`
4	`(N, lit:boy, ftr:[---+--+--], up:3, dn:0,`
	` lt:0, rt:5, th:5, np:4, ch:0, co:0, ec:0,`
	` pr:0, su:0, nu:4)`
5	`(N, lit:her, ftr:[+--+-++-?], up:3, dn:0,`
	` lt:4, rt:0, th:6, np:5, ch:0, co:5`$_a$`, ec:5`$_a$`,`
	` pr:2, su:6, nu:5)`
5$_a$	`(E, sub:A, ftr:[+--+-++-?], np:5, ch:0, co:0)`
6	`(N, lit:girl, ftr:[---+-++--], up:1, dn:0,`
	` lt:3, rt:7, th:7, np:6, ch:0, co:6`$_a$`, ec:6`$_b$`,`
	` pr:5, su:9, nu:6)`
6$_a$	`(E, sub:A, ftr:[---+-++--], np:6, ch:0, co:6`$_b$`)`
6$_b$	`(E, sub:B, ftr:[---+-++--], np:6, ch:5`$_a$`, co:0)`
7	`(S, up:1, dn:8, lt:6, rt:0, th:8, nu:7)`
8	`(N, lit:girl, ftr:[---+-++--], up:7, dn:0,`
	` lt:0, rt:9, th:9, np:8, ch:0, co:0, ec:0,`
	` pr:0, su:0, nu:8)`
9	`(N, lit:him, ftr:[+--+--+--], up:7, dn:0,`
	` lt:8, rt:0, th:0, np:9, ch:0, co:9`$_a$`, ec:9`$_a$`,`
	` pr:6, su:0, nu:9)`
9$_a$	`(E, sub:A, ftr:[+--+--+--], np:9, ch:0, co:0)`
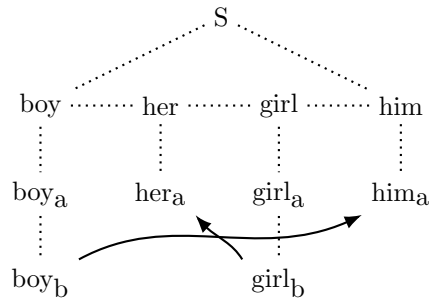
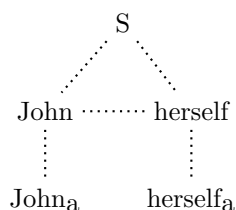| Chaining			
boy	**her**	**girl**	**him**
`boy`$_a$	`her`$_a$	`girl`$_a$	`him`$_a$
`boy`$_b$`^him`$_a$		`girl`$_b$`^her`$_a$	

Interpretations
girl$_b$^her$_a$ boy$_b$^him$_a$

(1.2) *John killed herself.

(1.2) *John killed herself.
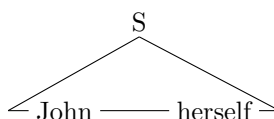
Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
John	−	−	−	+	−	−	+	−	−
herself	+	−	−	+	−	+	+	+	−

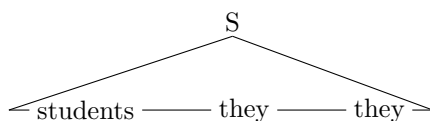| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:John, ftr:[---+--+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_a, pr:0, su:3, nu:2)
2_a	(E, sub:A, ftr:[---+--+--], np:2, ch:0, co:0)
3	(N, lit:herself, ftr:[+--+-+++-], up:1, dn:0, lt:2, rt:0, th:0, np:3, ch:0, co:3_a, ec:3_a, pr:2, su:0, nu:3)
3_a	(E, sub:A, ftr:[+--+-+++-], np:3, ch:0, co:0)

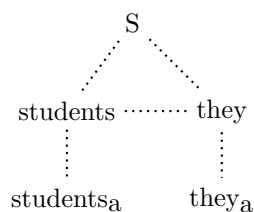| Chaining	
John	**herself**
$John_a$	$herself_a$

Interpretations
NONE

(1.4) Some students think they are smarter than they are.

(1.4) Some students think they are smarter than they are.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
students	–	–	–	+	+	?	+	–	–
they	+	–	–	+	+	?	+	–	–

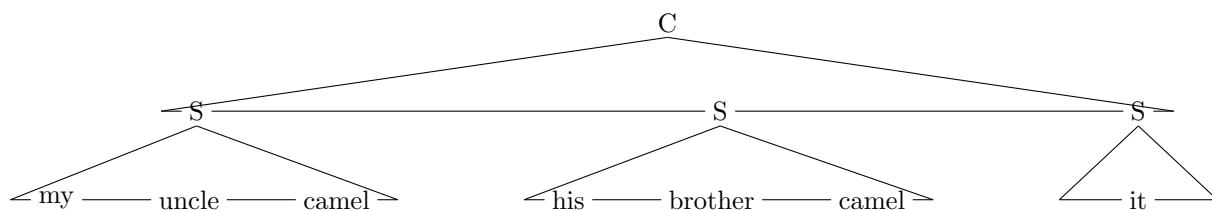| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:students, ftr:[---++?+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_a, pr:0, su:3, nu:2)
2a	(E, sub:A, ftr:[---++?+--], np:2, ch:0, co:0)
3	(N, lit:they, ftr:[+--++?+--], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_a, pr:2, su:0, nu:3)
3a	(E, sub:A, ftr:[+--++?+--], np:3, ch:0, co:0)
4	(N, lit:they, ftr:[+--++?+--], up:1, dn:0, lt:3, rt:0, th:0, np:4, ch:0, co:0, ec:0, pr:0, su:0, nu:4)

Chaining	
students	**they**
$students_a$	$they_a$

Interpretations
NONE

(1.6) My uncle has never ridden a camel but his brother has, although it was lame.

(1.6) My uncle has never ridden a camel but his brother has, although it was lame.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
my	+	+	–	–	–	?	+	–	+
uncle	–	–	–	+	–	–	+	–	–
camel	–	–	–	+	–	?	+	–	–
his	+	–	–	+	–	–	+	–	+
brother	–	–	–	+	–	–	+	–	–
it	+	–	–	+	–	?	–	–	–

	Nodes
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:6, th:3, nu:2)
3	(N, lit:my, ftr:[++---?+-+], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_a, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[++---?+-+], np:3, ch:0, co:0)
4	(N, lit:uncle, ftr:[---+--+--], up:2, dn:0, lt:3, rt:5, th:5, np:4, ch:0, co:4_a, ec:4_b, pr:3, su:5, nu:4)
4_a	(E, sub:A, ftr:[---+--+--], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[---+--+--], np:4, ch:7_a, co:0)
5	(N, lit:camel, ftr:[---+-?+--], up:2, dn:0, lt:4, rt:0, th:6, np:5, ch:0, co:5_a, ec:5_b, pr:4, su:7, nu:5)
5_a	(E, sub:A, ftr:[---+-?+--], np:5, ch:0, co:5_b)
5_b	(E, sub:B, ftr:[---+--+--], np:5, ch:7_a, co:0)
6	(S, up:1, dn:7, lt:2, rt:10, th:7, nu:6)
7	(N, lit:his, ftr:[+--+--+-+], up:6, dn:0, lt:0, rt:8, th:8, np:7, ch:0, co:7_a, ec:7_a, pr:5, su:8, nu:7)
7_a	(E, sub:A, ftr:[+--+--+-+], np:7, ch:0, co:0)
8	(N, lit:brother, ftr:[---+--+--], up:6, dn:0, lt:7, rt:9, th:9, np:8, ch:0, co:8_a, ec:8_a, pr:7, su:11, nu:8)
8_a	(E, sub:A, ftr:[---+--+--], np:8, ch:0, co:0)
9	(N, lit:camel, ftr:[---+-?+--], up:6, dn:0, lt:8, rt:0, th:10, np:9, ch:0, co:0, ec:0, pr:0, su:0, nu:9)
10	(S, up:1, dn:11, lt:6, rt:0, th:11, nu:10)
11	(N, lit:it, ftr:[+--+-?---], up:10, dn:0, lt:0, rt:0, th:0, np:11, ch:0, co:11_a, ec:11_a, pr:8, su:0, nu:11)
11_a	(E, sub:A, ftr:[+--+-?---], np:11, ch:0, co:0)

Chaining					
my	**uncle**	**camel**	**his**	**brother**	**it**
my_a	$uncle_a$ $uncle_b\verb|^|his_a$	$camel_a$ $camel_b\verb|^|his_a$	his_a	$brother_a$	it_a

Interpretations
NONE

(1.10) I like the fresh candy better than the stale PHI.

(1.10) I like the fresh candy better than the stale PHI.

```
              S
           /     \
      I ——— candy ——— φ
```
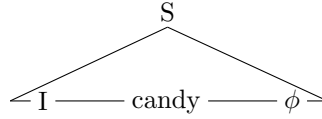
Features

	PNF	FPF	SPF	TPF	PLF	GNF	ANF	RPF	GEN
I	+	+	−	−	−	?	+	−	−
candy	−	−	−	+	−	?	−	−	−
φ	+	?	?	?	?	?	?	−	−

Nodes

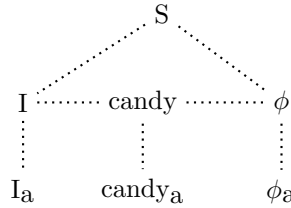|	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:I, ftr:[++---?+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_a, pr:0, su:3, nu:2)
2a	(E, sub:A, ftr:[++---?+--], np:2, ch:0, co:0)
3	(N, lit:candy, ftr:[---+-?---], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_a, pr:2, su:4, nu:3)
3a	(E, sub:A, ftr:[---+-?---], np:3, ch:0, co:0)
4	(N, lit:φ, ftr:[+??????--], up:1, dn:0, lt:3, rt:0, th:0, np:4, ch:0, co:4_a, ec:4_a, pr:3, su:0, nu:4)
4a	(E, sub:A, ftr:[+??????--], np:4, ch:0, co:0)

```
                 S
              /  |  \
           I   candy   φ
           :     :     :
           Iₐ  candyₐ   φₐ
```
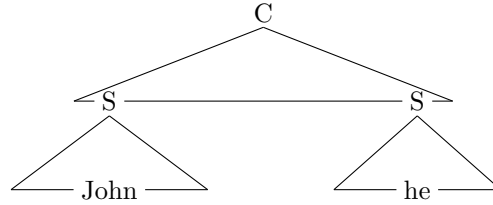
11

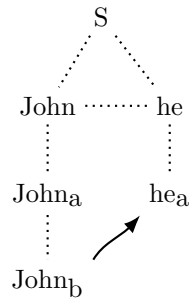| Chaining		
I	**candy**	ϕ
I_a	$candy_a$	ϕ_a

Interpretations
NONE

(1.11) If John can, he will do it.

(1.11) If John can, he will do it.

Features								
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
John	−	−	−	+	−	−	+	−	−
he	+	−	−	+	−	−	+	−	−

Nodes	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:4, th:3, nu:2)
3	(N, lit:John, ftr:[---+--+--], up:2, dn:0, lt:0, rt:0, th:4, np:3, ch:0, co:3_a, ec:3_b, pr:0, su:5, nu:3)
3_a	(E, sub:A, ftr:[---+--+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[---+--+--], np:3, ch:5_a, co:0)
4	(S, up:1, dn:5, lt:2, rt:0, th:5, nu:4)
5	(N, lit:he, ftr:[+--+--+--], up:4, dn:0, lt:0, rt:0, th:0, np:5, ch:0, co:5_a, ec:5_a, pr:3, su:0, nu:5)
5_a	(E, sub:A, ftr:[+--+--+--], np:5, ch:0, co:0)

Chaining	
John	**he**
John$_a$	he$_a$
John$_b$^he$_a$	

Interpretations
John$_b$^he$_a$

(1.12) If he can, John will do it.

(1.12) If he can, John will do it.

C — S — S — he — John (tree diagram)

Features								
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
he	+	−	−	+	−	−	+	−	−
John	−	−	−	+	−	−	+	−	−

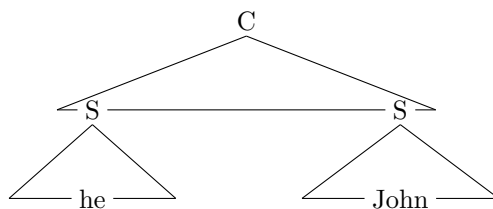| Nodes	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:4, th:3, nu:2)
3	(N, lit:he, ftr:[+--+--+--], up:2, dn:0, lt:0, rt:0, th:4, np:3, ch:0, co:3_a, ec:3_a, pr:0, su:5, nu:3)
3_a	(E, sub:A, ftr:[+--+--+--], np:3, ch:0, co:0)
4	(S, up:1, dn:5, lt:2, rt:0, th:5, nu:4)
5	(N, lit:John, ftr:[---+--+--], up:4, dn:0, lt:0, rt:0, th:0, np:5, ch:0, co:5_a, ec:5_a, pr:3, su:0, nu:5)
5_a	(E, sub:A, ftr:[---+--+--], np:5, ch:0, co:0)

S — he — John — he_a — $John_a$ (diagram)

Chaining	
he	**John**
he_a	$John_a$

Interpretations
NONE

(1.13) John will do it if he can.

(1.13) John will do it if he can.

```
                          C
              _____/_____
           S                      S
        /\____                  /\____
      /_____\                /_____\
          John                    he
```

Features								
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
John	−	−	−	+	−	−	+	−	−
he	+	−	−	+	−	−	+	−	−

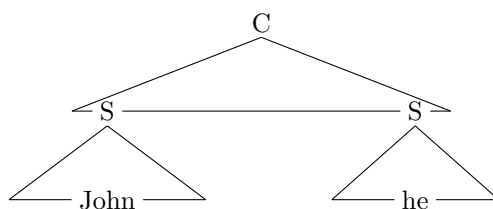| Nodes	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:4, th:3, nu:2)
3	(N, lit:John, ftr:[---+--+--], up:2, dn:0, lt:0, rt:0, th:4, np:3, ch:0, co:3_a, ec:3_b, pr:0, su:5, nu:3)
3_a	(E, sub:A, ftr:[---+--+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[---+--+--], np:3, ch:5_a, co:0)
4	(S, up:1, dn:5, lt:2, rt:0, th:5, nu:4)
5	(N, lit:he, ftr:[+--+--+--], up:4, dn:0, lt:0, rt:0, th:0, np:5, ch:0, co:5_a, ec:5_a, pr:3, su:0, nu:5)
5_a	(E, sub:A, ftr:[+--+--+--], np:5, ch:0, co:0)

```
              S
          .' '.
       .'     '.
    John ········ he
     :            :
     :            :
   John_a       he_a
     :          ↗
     :        /
   John_b
```

Chaining	
John	**he**
John$_a$	he$_a$
John$_b$^he$_a$	

Interpretations
John$_b$^he$_a$

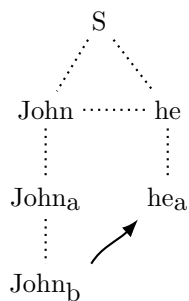## (1.14) He will do it if John can.

(1.14) He will do it if John can.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
he	+	−	−	+	−	−	+	−	−
John	−	−	−	+	−	−	+	−	−

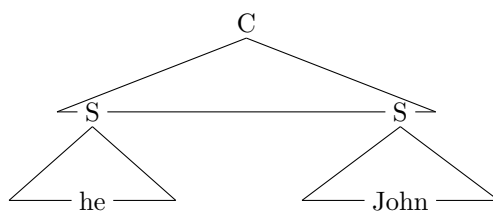| Nodes	
1	`(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)`
2	`(S, up:1, dn:3, lt:0, rt:4, th:3, nu:2)`
3	`(N, lit:he, ftr:[+--+--+--], up:2, dn:0,`
	`lt:0, rt:0, th:4, np:3, ch:0, co:3a,` ec:3a,
	`pr:0, su:5, nu:3)`
3a	`(E, sub:A, ftr:[+--+--+--], np:3, ch:0, co:0)`
4	`(S, up:1, dn:5, lt:2, rt:0, th:5, nu:4)`
5	`(N, lit:John, ftr:[---+--+--], up:4, dn:0,`
	`lt:0, rt:0, th:0, np:5, ch:0, co:5a,` ec:5a,
	`pr:3, su:0, nu:5)`
5a	`(E, sub:A, ftr:[---+--+--], np:5, ch:0, co:0)`

Chaining	
he	**John**
he_a	$John_a$

19

Interpretations
NONE

(1.24) I have a cat at home, but hate it.

(1.24) I have a cat at home, but hate it.

```
                          C
            S ─────────────────────── S
         /  |  \                     /  \
        I — cat — home             φ — it
```

		PNF	FPF	SPF	TPF	PLF	GNF	ANF	RPF	GEN
Features (title spanning)										
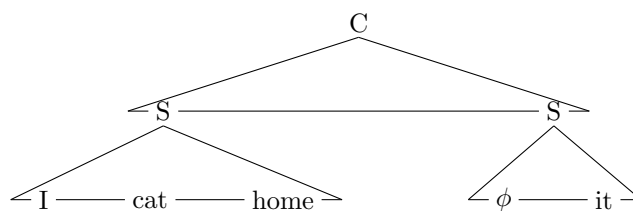
	PNF	FPF	SPF	TPF	PLF	GNF	ANF	RPF	GEN
I	+	+	−	−	−	?	+	−	−
cat	−	−	−	+	−	?	+	−	−
home	−	−	−	+	−	?	−	−	−
φ	+	?	?	?	?	?	?	−	−
it	+	−	−	+	−	?	−	−	−

	Nodes
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:6, th:3, nu:2)
3	(N, lit:I, ftr:[++---?+--], up:2, dn:0,
	lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b,
	pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[++---?+--], np:3, ch:7_a, co:0)
4	(N, lit:cat, ftr:[---+-?+--], up:2, dn:0,
	lt:3, rt:5, th:5, np:4, ch:0, co:4_a, ec:4_b,
	pr:3, su:5, nu:4)
4_a	(E, sub:A, ftr:[---+-?+--], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[---+-?+--], np:4, ch:7_a, co:0)
5	(N, lit:home, ftr:[---+-?---], up:2, dn:0,
	lt:4, rt:0, th:6, np:5, ch:0, co:5_a, ec:5_c,
	pr:4, su:7, nu:5)
5_a	(E, sub:A, ftr:[---+-?---], np:5, ch:0, co:5_b)
5_b	(E, sub:B, ftr:[---+-?---], np:5, ch:8_a, co:5_c)
5_c	(E, sub:C, ftr:[---+-?---], np:5, ch:7_a, co:0)
6	(S, up:1, dn:7, lt:2, rt:0, th:7, nu:6)
7	(N, lit:ϕ, ftr:[+??????--], up:6, dn:0,
	lt:0, rt:8, th:8, np:7, ch:0, co:7_a, ec:7_a,
	pr:5, su:8, nu:7)
7_a	(E, sub:A, ftr:[+??????--], np:7, ch:0, co:0)
8	(N, lit:it, ftr:[+--+-?---], up:6, dn:0,
	lt:7, rt:0, th:0, np:8, ch:0, co:8_a, ec:8_a,
	pr:7, su:0, nu:8)
8_a	(E, sub:A, ftr:[+--+-?---], np:8, ch:0, co:0)
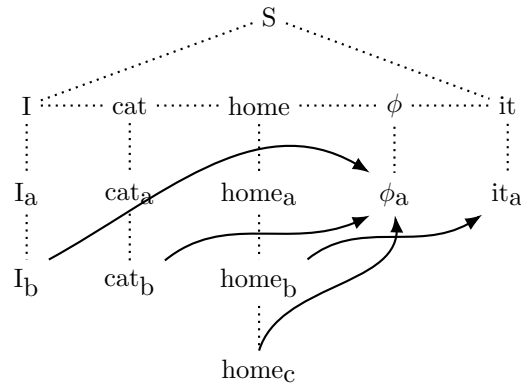
Chaining				
I	**cat**	**home**	ϕ	**it**
I_a	cat_a	$home_a$	ϕ_a	it_a
$I_b{}^{\hat{}}\phi_a$	$cat_b{}^{\hat{}}\phi_a$	$home_b{}^{\hat{}}it_a$		
		$home_c{}^{\hat{}}\phi_a$		

Interpretations	
$cat_b{}^{\hat{}}\phi_a$	$home_b{}^{\hat{}}it_a$
$I_b{}^{\hat{}}\phi_a$	$home_b{}^{\hat{}}it_a$

(1.25) I want to get a cat for myself.

(1.25) I want to get a cat for myself.

```
              S
           ╱  │  ╲
         ╱ I ─── S ╲
             ╱  │  ╲
          ╱ φ ── cat ── myself ╲
```
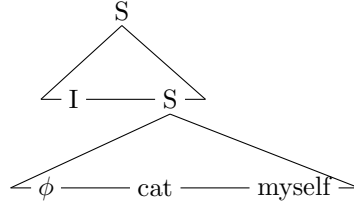
Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I	+	+	−	−	−	?	+	−	−
φ	+	?	?	?	?	?	?	−	−
cat	−	−	−	+	−	?	+	−	−
myself	+	+	−	−	−	?	+	+	−

Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:I, ftr:[++---?+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_c, pr:0, su:4, nu:2)
2_a	(E, sub:A, ftr:[++---?+--], np:2, ch:0, co:2_b)
2_b	(E, sub:B, ftr:[++---?+--], np:2, ch:4_a, co:2_c)
2_c	(E, sub:C, ftr:[++---?+--], np:2, ch:4_b, co:0)
3	(S, up:1, dn:4, lt:2, rt:0, th:4, nu:3)
4	(N, lit:φ, ftr:[+??????--], up:3, dn:0, lt:0, rt:5, th:5, np:4, ch:0, co:4_a, ec:4_b, pr:2, su:5, nu:4)
4_a	(E, sub:A, ftr:[+??????--], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[++---?+--], np:4, ch:6_a, co:0)
5	(N, lit:cat, ftr:[---+-?+--], up:3, dn:0, lt:4, rt:6, th:6, np:5, ch:0, co:5_a, ec:5_a, pr:4, su:6, nu:5)
5_a	(E, sub:A, ftr:[---+-?+--], np:5, ch:0, co:0)
6	(N, lit:myself, ftr:[++---?++-], up:3, dn:0, lt:5, rt:0, th:0, np:6, ch:0, co:6_a, ec:6_a, pr:5, su:0, nu:6)
6_a	(E, sub:A, ftr:[++---?++-], np:6, ch:0, co:0)

S

I $\cdots\cdots$ ϕ $\cdots\cdots$ cat $\cdots\cdots$ myself

I_a ϕ_a cat_a $myself_a$

I_b ϕ_b

I_c
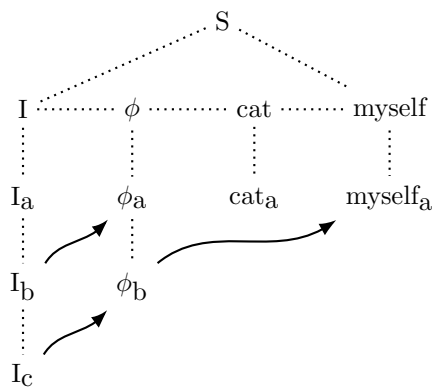
Chaining			
I	ϕ	**cat**	**myself**
I_a	ϕ_a	cat_a	$myself_a$
$I_b\char`^\phi_a$	$\phi_b\char`^myself_a$		
$I_c\char`^\phi_b$			

Interpretations
$I_c\char`^\phi_b\char`^myself_a$

(1.27) The men took off their hats.

(1.27) The men took off their hats.
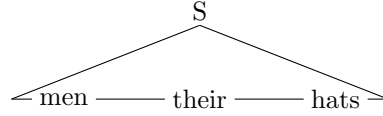
Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
men	−	−	−	+	+	−	+	−	−
their	+	−	−	+	+	?	+	−	+
hats	−	−	−	+	+	?	−	−	−

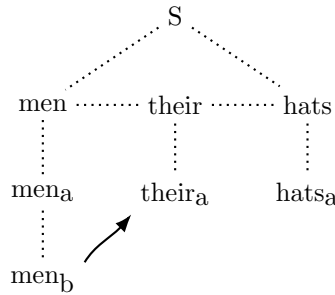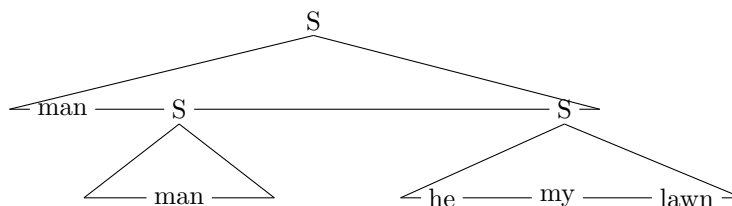|	Nodes
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:men, ftr:[---++-+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2$_a$, ec:2$_b$, pr:0, su:3, nu:2)
2a	(E, sub:A, ftr:[---++-+--], np:2, ch:0, co:2$_b$)
2b	(E, sub:B, ftr:[---++-+--], np:2, ch:3$_a$, co:0)
3	(N, lit:their, ftr:[+--++?+-+], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3$_a$, ec:3$_a$, pr:2, su:4, nu:3)
3a	(E, sub:A, ftr:[+--++?+-+], np:3, ch:0, co:0)
4	(N, lit:hats, ftr:[---++?---], up:1, dn:0, lt:3, rt:0, th:0, np:4, ch:0, co:4$_a$, ec:4$_a$, pr:3, su:0, nu:4)
4a	(E, sub:A, ftr:[---++?---], np:4, ch:0, co:0)

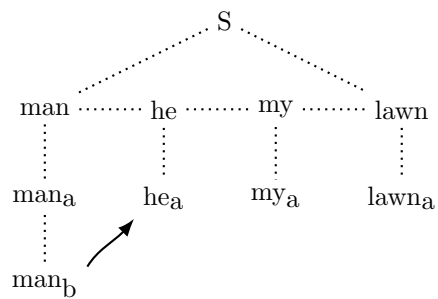| Chaining		
men	**their**	**hats**
men_a	$their_a$	$hats_a$
$men_b\hat{}their_a$		

Interpretations
$men_b\hat{}their_a$

(1.51) The man who lives next door said that he would mow my lawn.

(1.51) The man who lives next door said that he would mow my lawn.

```
                              S
              _____
          man ___ S _____ S ___
               _____|_____          _____|_____
              /   man   \           /  he ___ my ___ lawn  \
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
man	−	−	−	+	−	−	+	−	−
he	+	−	−	+	−	−	+	−	−
my	+	+	−	−	−	?	+	−	+
lawn	−	−	−	+	−	?	−	−	−

	Nodes
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:man, ftr:[---+--+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_b, pr:0, su:6, nu:2)
2_a	(E, sub:A, ftr:[---+--+--], np:2, ch:0, co:2_b)
2_b	(E, sub:B, ftr:[---+--+--], np:2, ch:6_a, co:0)
3	(S, up:1, dn:4, lt:2, rt:5, th:4, nu:3)
4	(N, lit:man, ftr:[---+--+--], up:3, dn:0, lt:0, rt:0, th:5, np:4, ch:0, co:0, ec:0, pr:0, su:0, nu:4)
5	(S, up:1, dn:6, lt:3, rt:0, th:6, nu:5)
6	(N, lit:he, ftr:[+--+--+--], up:5, dn:0, lt:0, rt:7, th:7, np:6, ch:0, co:6_a, ec:6_a, pr:2, su:7, nu:6)
6_a	(E, sub:A, ftr:[+--+--+--], np:6, ch:0, co:0)
7	(N, lit:my, ftr:[++---?+-+], up:5, dn:0, lt:6, rt:8, th:8, np:7, ch:0, co:7_a, ec:7_a, pr:6, su:8, nu:7)
7_a	(E, sub:A, ftr:[++---?+-+], np:7, ch:0, co:0)
8	(N, lit:lawn, ftr:[---+-?---], up:5, dn:0, lt:7, rt:0, th:0, np:8, ch:0, co:8_a, ec:8_a, pr:7, su:0, nu:8)
8_a	(E, sub:A, ftr:[---+-?---], np:8, ch:0, co:0)

S

man ········ he ········ my ········ lawn

man_a he_a my_a $lawn_a$

man_b

Chaining			
man	**he**	**my**	**lawn**
man_a	he_a	my_a	$lawn_a$
$man_b\char94 he_a$			

Interpretations
$man_b\char94 he_a$

(1.52) Somebody seduced Bill's sister, but no one will ever seduce Jack's and she knows it.

(1.52) Somebody seduced Bill's sister, but no one will ever seduce Jack's and she knows it.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
somebody	+	−	−	+	−	?	+	−	−
Bill's	−	−	−	+	−	−	+	−	+
sister	−	−	−	+	−	+	+	−	−
Jack's	−	−	−	+	−	−	+	−	+
ϕ	+	?	?	?	?	?	?	−	−
she	+	−	−	+	−	+	+	−	−

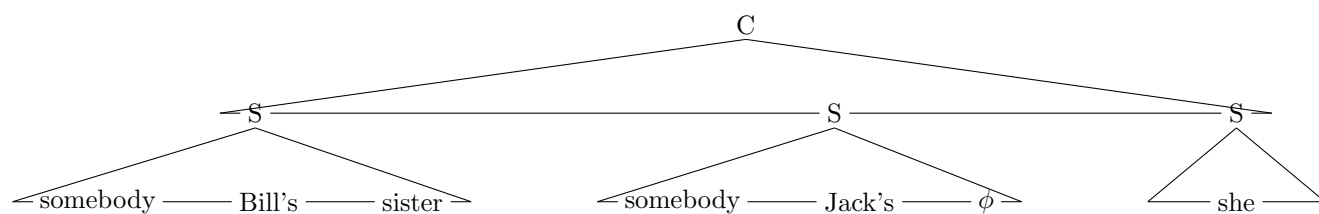|	Nodes
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:6, th:3, nu:2)
3	(N, lit:somebody, ftr:[+--+-?+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_d, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[+--+-?+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[+--+-++--], np:3, ch:11_a, co:3_c)
3_c	(E, sub:C, ftr:[+--+-?+--], np:3, ch:9_a, co:3_d)
3_d	(E, sub:D, ftr:[+--+-++--], np:3, ch:9_b, co:0)
4	(N, lit:Bill's, ftr:[---+--+-+], up:2, dn:0, lt:3, rt:5, th:5, np:4, ch:0, co:4_a, ec:4_a, pr:3, su:5, nu:4)
4_a	(E, sub:A, ftr:[---+--+-+], np:4, ch:0, co:0)
5	(N, lit:sister, ftr:[---+-++--], up:2, dn:0, lt:4, rt:0, th:6, np:5, ch:0, co:5_a, ec:5_d, pr:4, su:8, nu:5)
5_a	(E, sub:A, ftr:[---+-++--], np:5, ch:0, co:5_b)
5_b	(E, sub:B, ftr:[---+-++--], np:5, ch:11_a, co:5_c)
5_c	(E, sub:C, ftr:[---+-++--], np:5, ch:9_a, co:5_d)
5_d	(E, sub:D, ftr:[---+-++--], np:5, ch:9_b, co:0)
6	(S, up:1, dn:7, lt:2, rt:10, th:7, nu:6)
7	(N, lit:somebody, ftr:[+--+-?+--], up:6, dn:0, lt:0, rt:8, th:8, np:7, ch:0, co:0, ec:0, pr:0, su:0, nu:7)
8	(N, lit:Jack's, ftr:[---+--+-+], up:6, dn:0, lt:7, rt:9, th:9, np:8, ch:0, co:8_a, ec:8_a, pr:5, su:9, nu:8)
8_a	(E, sub:A, ftr:[---+--+-+], np:8, ch:0, co:0)
9	(N, lit:ϕ, ftr:[+??????--], up:6, dn:0, lt:8, rt:0, th:10, np:9, ch:0, co:9_a, ec:9_b, pr:8, su:11, nu:9)
9_a	(E, sub:A, ftr:[+??????--], np:9, ch:0, co:9_b)
9_b	(E, sub:B, ftr:[+--+-++--], np:9, ch:11_a, co:0)
10	(S, up:1, dn:11, lt:6, rt:0, th:11, nu:10)
11	(N, lit:she, ftr:[+--+-++--], up:10, dn:0, lt:0, rt:0, th:0, np:11, ch:0, co:11_a, ec:11_a, pr:9, su:0, nu:11)
11_a	(E, sub:A, ftr:[+--+-++--], np:11, ch:0, co:0)
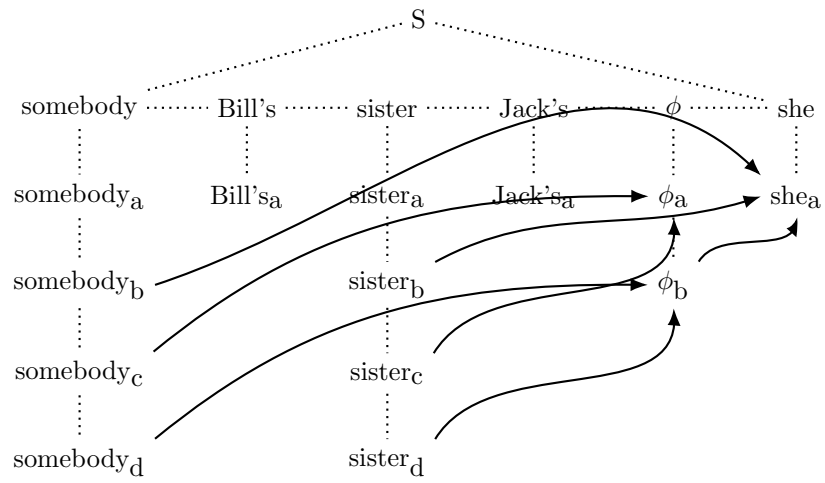
Chaining					
somebody	**Bill's**	**sister**	**Jack's**	ϕ	**she**
somebody$_a$	Bill's$_a$	sister$_a$	Jack's$_a$	ϕ_a	she$_a$
somebody$_b$^she$_a$		sister$_b$^she$_a$		ϕ_b^she$_a$	
somebody$_c$^ϕ_a		sister$_c$^ϕ_a			
somebody$_d$^ϕ_b		sister$_d$^ϕ_b			

Interpretations
NONE

(1.66) Realizing that he was unpopular didn't disturb Oscar.

(1.66) Realizing that he was unpopular didn't disturb Oscar.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
ϕ	+	?	?	?	?	?	?	−	−
he	+	−	−	+	−	−	+	−	−
Oscar	−	−	−	+	−	−	+	−	−

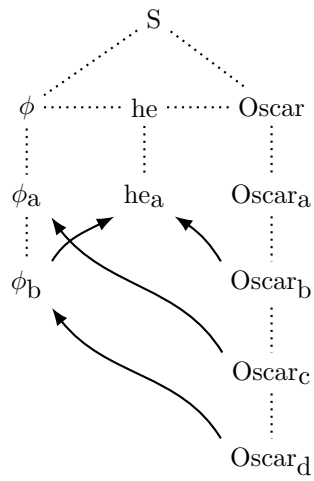|	Nodes
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:6, th:3, nu:2)
3	(N, lit:ϕ, ftr:[+??????--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b, pr:0, su:5, nu:3)
3_a	(E, sub:A, ftr:[+??????--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[+--+--+--], np:3, ch:5_a, co:0)
4	(S, up:2, dn:5, lt:3, rt:0, th:5, nu:4)
5	(N, lit:he, ftr:[+--+--+--], up:4, dn:0, lt:0, rt:0, th:6, np:5, ch:0, co:5_a, ec:5_a, pr:3, su:6, nu:5)
5_a	(E, sub:A, ftr:[+--+--+--], np:5, ch:0, co:0)
6	(N, lit:Oscar, ftr:[---+--+--], up:1, dn:0, lt:2, rt:0, th:0, np:6, ch:0, co:6_a, ec:6_d, pr:5, su:0, nu:6)
6_a	(E, sub:A, ftr:[---+--+--], np:6, ch:0, co:6_b)
6_b	(E, sub:B, ftr:[---+--+--], np:6, ch:5_a, co:6_c)
6_c	(E, sub:C, ftr:[---+--+--], np:6, ch:3_a, co:6_d)
6_d	(E, sub:D, ftr:[---+--+--], np:6, ch:3_b, co:0)

$$
\begin{array}{ccc}
 & S & \\
\phi \cdots\cdots & \text{he} \cdots\cdots & \text{Oscar} \\
\phi_\mathrm{a} & \text{he}_\mathrm{a} & \text{Oscar}_\mathrm{a} \\
\phi_\mathrm{b} & & \text{Oscar}_\mathrm{b} \\
 & & \text{Oscar}_\mathrm{c} \\
 & & \text{Oscar}_\mathrm{d}
\end{array}
$$

Chaining		
ϕ	**he**	**Oscar**
ϕ_a	he_a	Oscar_a
$\phi_\mathrm{b}\char`^\text{he}_\mathrm{a}$		$\text{Oscar}_\mathrm{b}\char`^\text{he}_\mathrm{a}$
		$\text{Oscar}_\mathrm{c}\char`^\phi_\mathrm{a}$
		$\text{Oscar}_\mathrm{d}\char`^\phi_\mathrm{b}$

Interpretations
$\text{Oscar}_\mathrm{d}\char`^\phi_\mathrm{b}\char`^\text{he}_\mathrm{a}$

(1.70) My neighbor who is pregnant said that she was very happy.

(1.70) My neighbor who is pregnant said that she was very happy.
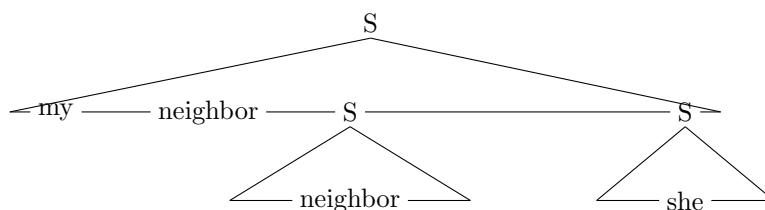
Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
my	+	+	−	−	−	?	+	−	+
neighbor	−	−	−	+	−	?	+	−	−
she	+	−	−	+	−	+	+	−	−

|	Nodes
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:my, ftr:[++---?+-+], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_a, pr:0, su:3, nu:2)
2a	(E, sub:A, ftr:[++---?+-+], np:2, ch:0, co:0)
3	(N, lit:neighbor, ftr:[---+-?+--], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b, pr:2, su:7, nu:3)
3a	(E, sub:A, ftr:[---+-?+--], np:3, ch:0, co:3_b)
3b	(E, sub:B, ftr:[---+-++--], np:3, ch:7_a, co:0)
4	(S, up:1, dn:5, lt:3, rt:6, th:5, nu:4)
5	(N, lit:neighbor, ftr:[---+-?+--], up:4, dn:0, lt:0, rt:0, th:6, np:5, ch:0, co:0, ec:0, pr:0, su:0, nu:5)
6	(S, up:1, dn:7, lt:4, rt:0, th:7, nu:6)
7	(N, lit:she, ftr:[+--+-++--], up:6, dn:0, lt:0, rt:0, th:0, np:7, ch:0, co:7_a, ec:7_a, pr:3, su:0, nu:7)
7a	(E, sub:A, ftr:[+--+-++--], np:7, ch:0, co:0)

$$S$$

my ········· neighbor ········· she

my_a $neighbor_a$ she_a
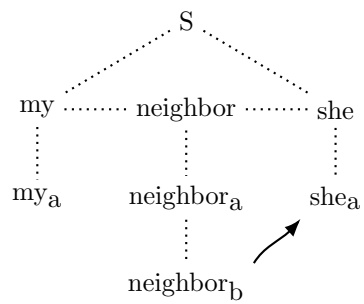
$neighbor_b$

Chaining		
my	**neighbor**	**she**
my_a	$neighbor_a$ $neighbor_b\hat{}\,she_a$	she_a

Interpretations
$neighbor_b\hat{}\,she_a$

(1.74) The pilot who shot at it hit the Mig that chased him.

(1.74) The pilot who shot at it hit the Mig that chased him.
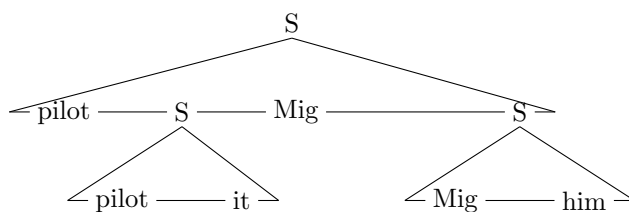
Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
pilot	–	–	–	+	–	?	+	–	–
it	+	–	–	+	–	?	–	–	–
Mig	–	–	–	+	–	?	–	–	–
him	+	–	–	+	–	–	+	–	–

	Nodes
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:pilot, ftr:[---+-?+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_b, pr:0, su:5, nu:2)
2a	(E, sub:A, ftr:[---+-?+--], np:2, ch:0, co:2_b)
2b	(E, sub:B, ftr:[---+--+--], np:2, ch:9_a, co:0)
3	(S, up:1, dn:4, lt:2, rt:6, th:4, nu:3)
4	(N, lit:pilot, ftr:[---+-?+--], up:3, dn:0, lt:0, rt:5, th:5, np:4, ch:0, co:0, ec:0, pr:0, su:0, nu:4)
5	(N, lit:it, ftr:[+--+-?---], up:3, dn:0, lt:4, rt:0, th:6, np:5, ch:0, co:5_a, ec:5_a, pr:2, su:6, nu:5)
5a	(E, sub:A, ftr:[+--+-?---], np:5, ch:0, co:0)
6	(N, lit:Mig, ftr:[---+-?---], up:1, dn:0, lt:3, rt:7, th:7, np:6, ch:0, co:6_a, ec:6_b, pr:5, su:9, nu:6)
6a	(E, sub:A, ftr:[---+-?---], np:6, ch:0, co:6_b)
6b	(E, sub:B, ftr:[---+-?---], np:6, ch:5_a, co:0)
7	(S, up:1, dn:8, lt:6, rt:0, th:8, nu:7)
8	(N, lit:Mig, ftr:[---+-?---], up:7, dn:0, lt:0, rt:9, th:9, np:8, ch:0, co:0, ec:0, pr:0, su:0, nu:8)
9	(N, lit:him, ftr:[+--+--+--], up:7, dn:0, lt:8, rt:0, th:0, np:9, ch:0, co:9_a, ec:9_a, pr:6, su:0, nu:9)
9a	(E, sub:A, ftr:[+--+--+--], np:9, ch:0, co:0)
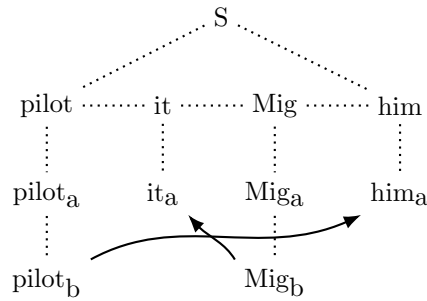
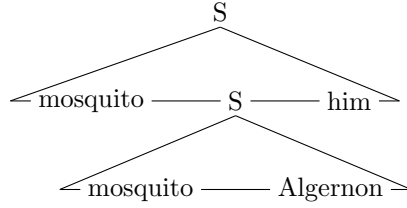

Chaining			
pilot	**it**	**Mig**	**him**
$pilot_a$	it_a	Mig_a	him_a
$pilot_b$^him_a		Mig_b^it_a	

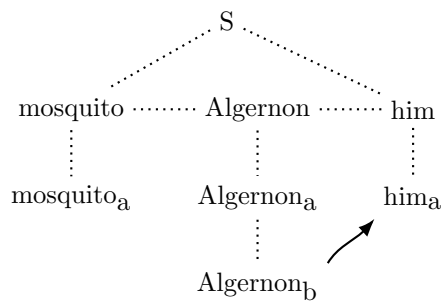| Interpretations |
|---|
| Mig$_b$^it$_a$ pilot$_b$^him$_a$ |

(1.86) The mosquito which bit Algernon was killed by him.

(1.86) The mosquito which bit Algernon was killed by him.

```
                              S
                  ╱                    ╲
        ⟨ mosquito ——— S ——— him ⟩
                  ╱              ╲
        ⟨ mosquito ——— Algernon ⟩
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
mosquito	–	–	–	+	–	?	+	–	–
Algernon	–	–	–	+	–	–	+	–	–
him	+	–	–	+	–	–	+	–	–

Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:mosquito, ftr:[---+-?+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_a, pr:0, su:5, nu:2)
2a	(E, sub:A, ftr:[---+-?+--], np:2, ch:0, co:0)
3	(S, up:1, dn:4, lt:2, rt:6, th:4, nu:3)
4	(N, lit:mosquito, ftr:[---+-?+--], up:3, dn:0, lt:0, rt:5, th:5, np:4, ch:0, co:0, ec:0, pr:0, su:0, nu:4)
5	(N, lit:Algernon, ftr:[---+--+--], up:3, dn:0, lt:4, rt:0, th:6, np:5, ch:0, co:5_a, ec:5_b, pr:2, su:6, nu:5)
5a	(E, sub:A, ftr:[---+--+--], np:5, ch:0, co:5_b)
5b	(E, sub:B, ftr:[---+--+--], np:5, ch:6_a, co:0)
6	(N, lit:him, ftr:[+--+--+--], up:1, dn:0, lt:3, rt:0, th:0, np:6, ch:0, co:6_a, ec:6_a, pr:5, su:0, nu:6)
6a	(E, sub:A, ftr:[+--+--+--], np:6, ch:0, co:0)

                                    S
              mosquito ········· Algernon ········· him

           $mosquito_a$ $Algernon_a$ him_a

                               $Algernon_b$

Chaining		
mosquito	**Algernon**	**him**
$mosquito_a$	$Algernon_a$	him_a
	$Algernon_b\,\hat{}\,him_a$	

Interpretations
$Algernon_b\,\hat{}\,him_a$

(1.87) The mosquito which bit him was killed by Algernon.

(1.87) The mosquito which bit him was killed by Algernon.

```
                          S
                   ╱             ╲
        ╱ mosquito ──── S ──── Algernon ╲
                    ╱        ╲
           ╱ mosquito ──── him ╲
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
mosquito	–	–	–	+	–	?	+	–	–
him	+	–	–	+	–	–	+	–	–
Algernon	–	–	–	+	–	–	+	–	–

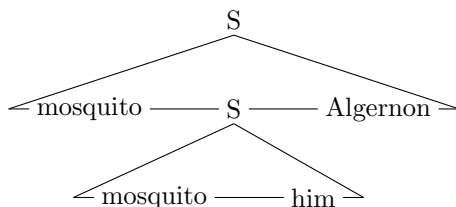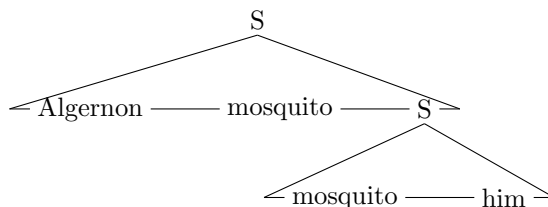| Nodes |
|---|
| **1**   (S, up:0, dn:2, lt:0, rt:0, th:2, nu:1) |
| **2**   (N, lit:mosquito, ftr:[---+-?+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_b, pr:0, su:5, nu:2) |
| **2_a**   (E, sub:A, ftr:[---+-?+--], np:2, ch:0, co:2_b) |
| **2_b**   (E, sub:B, ftr:[---+--+--], np:2, ch:5_a, co:0) |
| **3**   (S, up:1, dn:4, lt:2, rt:6, th:4, nu:3) |
| **4**   (N, lit:mosquito, ftr:[---+-?+--], up:3, dn:0, lt:0, rt:5, th:5, np:4, ch:0, co:0, ec:0, pr:0, su:0, nu:4) |
| **5**   (N, lit:him, ftr:[+--+--+--], up:3, dn:0, lt:4, rt:0, th:6, np:5, ch:0, co:5_a, ec:5_a, pr:2, su:6, nu:5) |
| **5_a**   (E, sub:A, ftr:[+--+--+--], np:5, ch:0, co:0) |
| **6**   (N, lit:Algernon, ftr:[---+--+--], up:1, dn:0, lt:3, rt:0, th:0, np:6, ch:0, co:6_a, ec:6_b, pr:5, su:0, nu:6) |
| **6_a**   (E, sub:A, ftr:[---+--+--], np:6, ch:0, co:6_b) |
| **6_b**   (E, sub:B, ftr:[---+--+--], np:6, ch:5_a, co:0) |
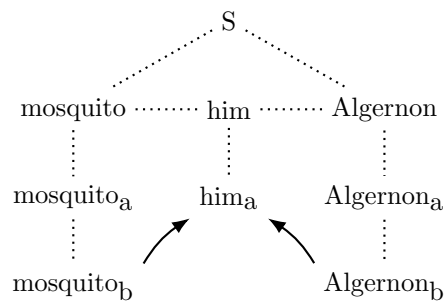
Chaining		
mosquito	**him**	**Algernon**
mosquito$_a$	him$_a$	Algernon$_a$
mosquito$_b$^him$_a$		Algernon$_b$^him$_a$

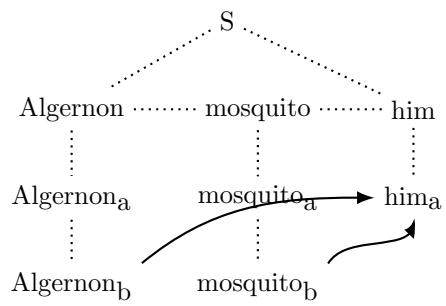| Interpretations |
|---|
| mosquito$_b$^him$_a$ |
| Algernon$_b$^him$_a$ |

(1.88) Algernon killed the mosquito which bit him.

(1.88) Algernon killed the mosquito which bit him.

```
                              S
            ╱─────────────────┴─────────────────╲
       Algernon ──────── mosquito ──────── S
                                    ╱────────┴────────╲
                                mosquito ──────── him
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Algernon	–	–	–	+	–	–	+	–	–
mosquito	–	–	–	+	–	?	+	–	–
him	+	–	–	+	–	–	+	–	–

	Nodes
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:Algernon, ftr:[---+--+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_b, pr:0, su:3, nu:2)
2_a	(E, sub:A, ftr:[---+--+--], np:2, ch:0, co:2_b)
2_b	(E, sub:B, ftr:[---+--+--], np:2, ch:6_a, co:0)
3	(N, lit:mosquito, ftr:[---+-?+--], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b, pr:2, su:6, nu:3)
3_a	(E, sub:A, ftr:[---+-?+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[---+--+--], np:3, ch:6_a, co:0)
4	(S, up:1, dn:5, lt:3, rt:0, th:5, nu:4)
5	(N, lit:mosquito, ftr:[---+-?+--], up:4, dn:0, lt:0, rt:6, th:6, np:5, ch:0, co:0, ec:0, pr:0, su:0, nu:5)
6	(N, lit:him, ftr:[+--+--+--], up:4, dn:0, lt:5, rt:0, th:0, np:6, ch:0, co:6_a, ec:6_a, pr:3, su:0, nu:6)
6_a	(E, sub:A, ftr:[+--+--+--], np:6, ch:0, co:0)

$$S$$

Algernon $\cdots\cdots$ mosquito $\cdots\cdots$ him

Algernon$_a$ mosquito$_a$ $\rightarrow$ him$_a$

Algernon$_b$ mosquito$_b$

Chaining		
Algernon	**mosquito**	**him**
Algernon$_a$	mosquito$_a$	him$_a$
Algernon$_b$^him$_a$	mosquito$_b$^him$_a$	

Interpretations
Algernon$_b$^him$_a$
mosquito$_b$^him$_a$

(1.89) He killed the mosquito which bit Algernon.

(1.89) He killed the mosquito which bit Algernon.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
he	+	–	–	+	–	–	+	–	–
mosquito	–	–	–	+	–	?	+	–	–
Algernon	–	–	–	+	–	–	+	–	–

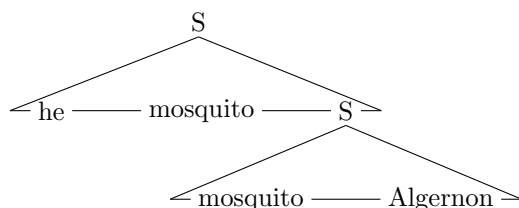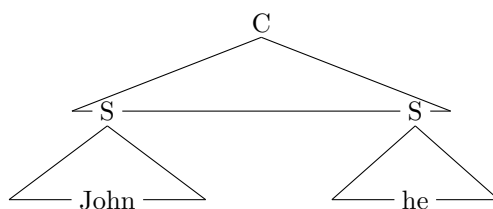| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:he, ftr:[+--+--+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2$_a$, ec:2$_a$, pr:0, su:3, nu:2)
2a	(E, sub:A, ftr:[+--+--+--], np:2, ch:0, co:0)
3	(N, lit:mosquito, ftr:[---+-?+--], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3$_a$, ec:3$_a$, pr:2, su:6, nu:3)
3a	(E, sub:A, ftr:[---+-?+--], np:3, ch:0, co:0)
4	(S, up:1, dn:5, lt:3, rt:0, th:5, nu:4)
5	(N, lit:mosquito, ftr:[---+-?+--], up:4, dn:0, lt:0, rt:6, th:6, np:5, ch:0, co:0, ec:0, pr:0, su:0, nu:5)
6	(N, lit:Algernon, ftr:[---+--+--], up:4, dn:0, lt:5, rt:0, th:0, np:6, ch:0, co:6$_a$, ec:6$_a$, pr:3, su:0, nu:6)
6a	(E, sub:A, ftr:[---+--+--], np:6, ch:0, co:0)
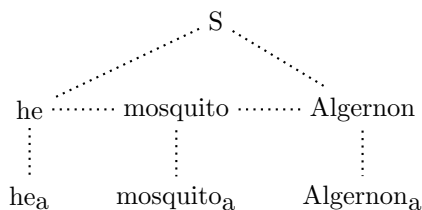
Chaining		
he	**mosquito**	**Algernon**
he$_a$	mosquito$_a$	Algernon$_a$

Interpretations
NONE

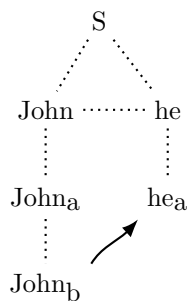# (1.91) After John Adams woke up, he was hungry.

(1.91) After John Adams woke up, he was hungry.

```
                        C
                      /   \
               S ――――――――――― S
              / \            / \
             /   \          /   \
            /―― John ――\    /― he ―\
```

Features								
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
John	−	−	−	+	−	−	+	−	−
he	+	−	−	+	−	−	+	−	−

Nodes	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:4, th:3, nu:2)
3	(N, lit:John, ftr:[---+--+--], up:2, dn:0, lt:0, rt:0, th:4, np:3, ch:0, co:3_b, ec:3_b, pr:0, su:5, nu:3)
3_a	(E, sub:A, ftr:[---+--+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[---+--+--], np:3, ch:5_a, co:0)
4	(S, up:1, dn:5, lt:2, rt:0, th:5, nu:4)
5	(N, lit:he, ftr:[+--+--+--], up:4, dn:0, lt:0, rt:0, th:0, np:5, ch:0, co:5_a, ec:5_a, pr:3, su:0, nu:5)
5_a	(E, sub:A, ftr:[+--+--+--], np:5, ch:0, co:0)

```
                    S
                  /   \
              John ······· he
               ⋮           ⋮
             John_a       he_a
               ⋮          ↗
             John_b
```

Chaining	
John	**he**
John$_a$	he$_a$
John$_b$^he$_a$	

Interpretations
John$_b$^he$_a$

(1.92) That Oscar was unpopular didn't disturb him.

(1.92) That Oscar was unpopular didn't disturb him.

```
              S
            /   \
          /  S —— him \
        /    / \        \
      /    /     \        \
    /  —— Oscar ——  \
```
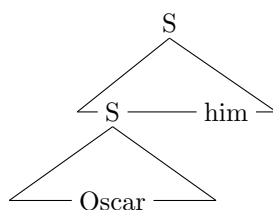
Features									
	PNF	FPF	SPF	TPF	PLF	GNF	ANF	RPF	GEN
Oscar	–	–	–	+	–	–	+	–	–
him	+	–	–	+	–	–	+	–	–

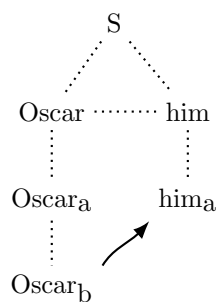| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:4, th:3, nu:2)
3	(N, lit:Oscar, ftr:[---+--+--], up:2, dn:0, lt:0, rt:0, th:4, np:3, ch:0, co:3$_a$, ec:3$_b$, pr:0, su:4, nu:3)
3$_a$	(E, sub:A, ftr:[---+--+--], np:3, ch:0, co:3$_b$)
3$_b$	(E, sub:B, ftr:[---+--+--], np:3, ch:4$_a$, co:0)
4	(N, lit:him, ftr:[+--+--+--], up:1, dn:0, lt:2, rt:0, th:0, np:4, ch:0, co:4$_a$, ec:4$_a$, pr:3, su:0, nu:4)
4$_a$	(E, sub:A, ftr:[+--+--+--], np:4, ch:0, co:0)

```
            S
          :   :
        :       :
     Oscar ···· him
       :         :
       :         :
    Oscar_a    him_a
       :        ↗
       :      /
    Oscar_b
```

Chaining	
Oscar	**him**
$Oscar_a$	him_a
$Oscar_b$^him_a	

Interpretations
$Oscar_b$^him_a

(1.93) For your brother to refuse to pay taxes would get him into trouble.

(1.93) For your brother to refuse to pay taxes would get him into trouble.

Features								
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
your	+	−	+	−	?	?	+	−	+
brother	−	−	−	+	−	−	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
him	+	−	−	+	−	−	+	−	−
trouble	−	−	−	+	−	?	−	−	−

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	Nodes
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:7, th:3, nu:2)
3	(N, lit:your, ftr:[+-+-??+-+], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_a, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[+-+-??+-+], np:3, ch:0, co:0)
4	(N, lit:brother, ftr:[---+--+--], up:2, dn:0, lt:3, rt:5, th:5, np:4, ch:0, co:4_a, ec:4_d, pr:3, su:6, nu:4)
4_a	(E, sub:A, ftr:[---+--+--], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[---+--+--], np:4, ch:8_a, co:4_c)
4_c	(E, sub:C, ftr:[---+--+--], np:4, ch:6_a, co:4_d)
4_d	(E, sub:D, ftr:[---+--+--], np:4, ch:6_b, co:0)
5	(S, up:2, dn:6, lt:4, rt:0, th:6, nu:5)
6	(N, lit:ϕ, ftr:[+??????--], up:5, dn:0, lt:0, rt:0, th:7, np:6, ch:0, co:6_a, ec:6_b, pr:4, su:8, nu:6)
6_a	(E, sub:A, ftr:[+??????--], np:6, ch:0, co:6_b)
6_b	(E, sub:B, ftr:[+--+--+--], np:6, ch:8_a, co:0)
7	(S, up:1, dn:8, lt:2, rt:0, th:8, nu:7)
8	(N, lit:him, ftr:[+--+--+--], up:7, dn:0, lt:0, rt:9, th:9, np:8, ch:0, co:8_a, ec:8_a, pr:6, su:9, nu:8)
8_a	(E, sub:A, ftr:[+--+--+--], np:8, ch:0, co:0)
9	(N, lit:trouble, ftr:[---+-?---], up:7, dn:0, lt:8, rt:0, th:0, np:9, ch:0, co:9_a, ec:9_a, pr:8, su:0, nu:9)
9_a	(E, sub:A, ftr:[---+-?---], np:9, ch:0, co:0)
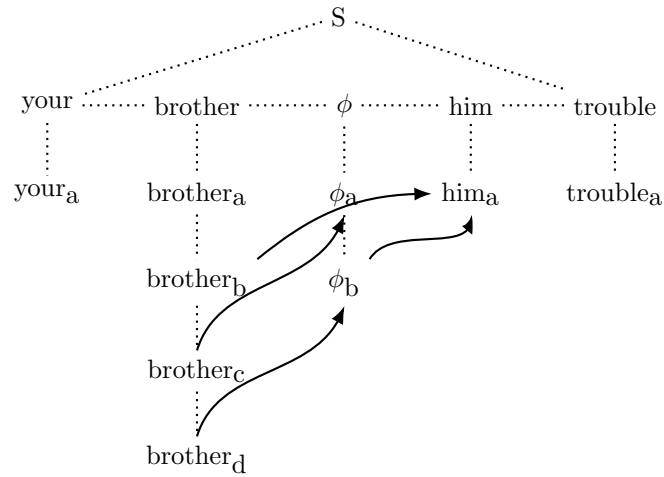
Chaining				
your	**brother**	ϕ	**him**	**trouble**
your_a	brother_a	ϕ_a	him_a	trouble_a
	$\text{brother}_b\char94\text{him}_a$	$\phi_b\char94\text{him}_a$		
	$\text{brother}_c\char94\phi_a$			
	$\text{brother}_d\char94\phi_b$			

Interpretations
$\text{brother}_d\char94\phi_b\char94\text{him}_a$

(1.94) Anna's complaining about Peter infuriated him.

(1.94) Anna's complaining about Peter infuriated him.

```
                              S
                             / \
                            /   \
                       S ────── him
                      / \
                     /   \
            Anna's ── complaining ── Peter
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Anna's	−	−	−	+	−	+	+	−	+
complaining	−	−	−	+	−	?	−	−	−
Peter	−	−	−	+	−	−	+	−	−
him	+	−	−	+	−	−	+	−	−

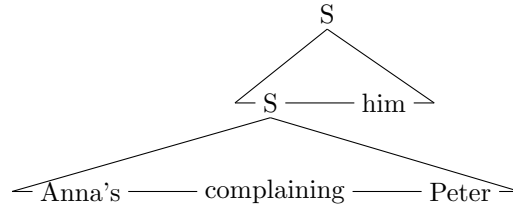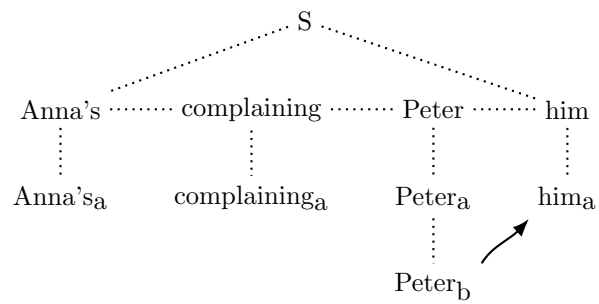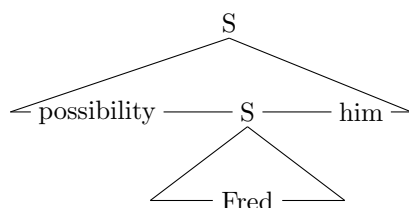| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:6, th:3, nu:2)
3	(N, lit:Anna's, ftr:[---+-++-+], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_a, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[---+-++-+], np:3, ch:0, co:0)
4	(N, lit:complaining, ftr:[---+-?---], up:2, dn:0, lt:3, rt:5, th:5, np:4, ch:0, co:4_a, ec:4_a, pr:3, su:5, nu:4)
4_a	(E, sub:A, ftr:[---+-?---], np:4, ch:0, co:0)
5	(N, lit:Peter, ftr:[---+--+--], up:2, dn:0, lt:4, rt:0, th:6, np:5, ch:0, co:5_a, ec:5_b, pr:4, su:6, nu:5)
5_a	(E, sub:A, ftr:[---+--+--], np:5, ch:0, co:5_b)
5_b	(E, sub:B, ftr:[---+--+--], np:5, ch:6_a, co:0)
6	(N, lit:him, ftr:[+--+--+--], up:1, dn:0, lt:2, rt:0, th:0, np:6, ch:0, co:6_a, ec:6_a, pr:5, su:0, nu:6)
6_a	(E, sub:A, ftr:[+--+--+--], np:6, ch:0, co:0)

```
                                    S
              ╱           ┄┄┄┄     ┆    ┄┄┄┄      ╲
         Anna's ┄┄┄┄ complaining ┄┄┄┄ Peter ┄┄┄┄ him
           ┆              ┆                ┆            ┆
        Anna's_a     complaining_a      Peter_a      him_a
                                          ┆         ↗
                                       Peter_b
```

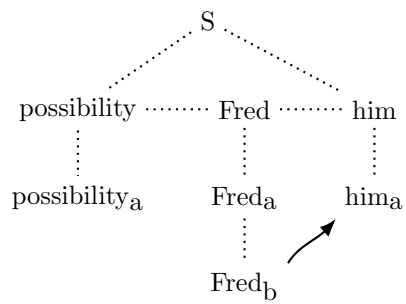| Chaining |||||
|---|---|---|---|
| **Anna's** | **complaining** | **Peter** | **him** |
| Anna's_a | complaining_a | Peter_a | him_a |
| | | Peter_b^him_a | |

Interpretations
Peter_b^him_a

56

(1.95) The possibility that Fred will be unpopular doesn't bother him.

(1.95) The possibility that Fred will be unpopular doesn't bother him.

```
                        S
              _____/ _____
            /                     \
       possibility ——— S ——— him
                    __/ \__
                   /       \
                  ——— Fred ———
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
possibility	–	–	–	+	–	?	–	–	–
Fred	–	–	–	+	–	–	+	–	–
him	+	–	–	+	–	–	+	–	–

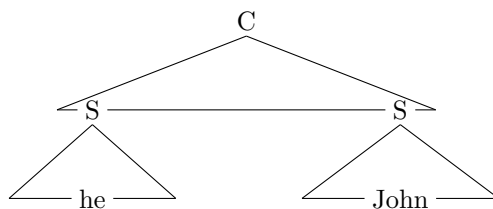| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:possibility, ftr:[---+-?---], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_a, pr:0, su:4, nu:2)
2_a	(E, sub:A, ftr:[---+-?---], np:2, ch:0, co:0)
3	(S, up:1, dn:4, lt:2, rt:5, th:4, nu:3)
4	(N, lit:Fred, ftr:[---+--+--], up:3, dn:0, lt:0, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_b, pr:2, su:5, nu:4)
4_a	(E, sub:A, ftr:[---+--+--], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[---+--+--], np:4, ch:5_a, co:0)
5	(N, lit:him, ftr:[+--+--+--], up:1, dn:0, lt:3, rt:0, th:0, np:5, ch:0, co:5_a, ec:5_a, pr:4, su:0, nu:5)
5_a	(E, sub:A, ftr:[+--+--+--], np:5, ch:0, co:0)

```
                          S
            ┌─────────────┼─────────────┐
      possibility ········ Fred ········ him
            ┆              ┆              ┆
      possibility_a      Fred_a         him_a
                           ┆          ↗
                         Fred_b
```

Chaining		
possibility	**Fred**	**him**
possibility_a	Fred_a	him_a
	Fred_b^him_a	

Interpretations
Fred_b^him_a
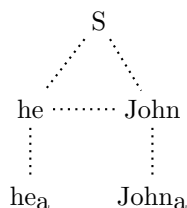
(1.96) After he woke up, John Adams was hungry.

(1.96) After he woke up, John Adams was hungry.

```
              C
         ╱         ╲
      ─S─ ───────── ─S─
     ╱    ╲        ╱     ╲
   ╱   he   ╲    ╱  John   ╲
```

Features								
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
he	+	−	−	+	−	−	+	−	−
John	−	−	−	+	−	−	+	−	−

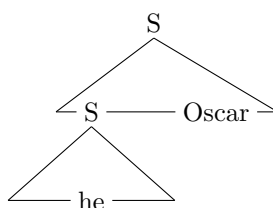| Nodes |
|---|
| **1**   (C, up:0, dn:2, lt:0, rt:0, th:2, nu:1) |
| **2**   (S, up:1, dn:3, lt:0, rt:4, th:3, nu:2) |
| **3**   (N, lit:he, ftr:[+--+--+--], up:2, dn:0, lt:0, rt:0, th:4, np:3, ch:0, co:3_a, ec:3_a, pr:0, su:5, nu:3) |
| **3a**   (E, sub:A, ftr:[+--+--+--], np:3, ch:0, co:0) |
| **4**   (S, up:1, dn:5, lt:2, rt:0, th:5, nu:4) |
| **5**   (N, lit:John, ftr:[---+--+--], up:4, dn:0, lt:0, rt:0, th:0, np:5, ch:0, co:5_a, ec:5_a, pr:3, su:0, nu:5) |
| **5a**   (E, sub:A, ftr:[---+--+--], np:5, ch:0, co:0) |

```
              S
          ╱       ╲
       he ┄┄┄┄┄ John
        ┆          ┆
       he_a       John_a
```

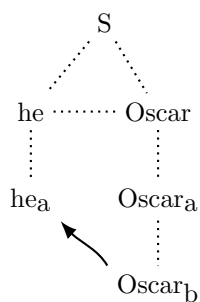| Chaining	
he	**John**
he_a	$John_a$

Interpretations
NONE

(1.97) That he was unpopular didn't disturb Oscar.

(1.97) That he was unpopular didn't disturb Oscar.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
he	+	–	–	+	–	–	+	–	–
Oscar	–	–	–	+	–	–	+	–	–

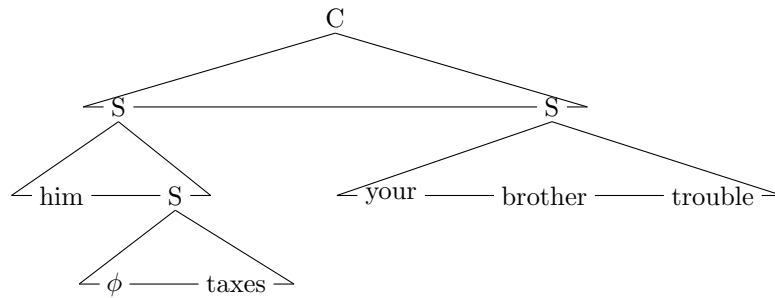| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:4, th:3, nu:2)
3	(N, lit:he, ftr:[+--+--+--], up:2, dn:0, lt:0, rt:0, th:4, np:3, ch:0, co:3_a, ec:3_a, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[+--+--+--], np:3, ch:0, co:0)
4	(N, lit:Oscar, ftr:[---+--+--], up:1, dn:0, lt:2, rt:0, th:0, np:4, ch:0, co:4_a, ec:4_b, pr:3, su:0, nu:4)
4_a	(E, sub:A, ftr:[---+--+--], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[---+--+--], np:4, ch:3_a, co:0)

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Chaining	
he	**Oscar**
he_a	$Oscar_a$
	$Oscar_b$^he_a

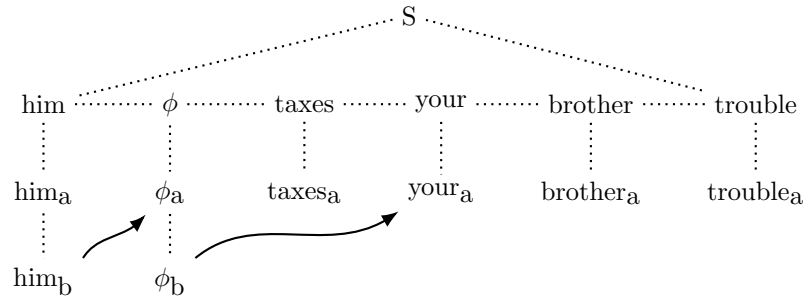| Interpretations |
|---|
| $Oscar_b$^he_a |

(1.98) For him to refuse to pay taxes would get your brother into trouble.

(1.98) For him to refuse to pay taxes would get your brother into trouble.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
him	+	−	−	+	−	−	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
taxes	−	−	−	+	+	?	−	−	−
your	+	−	+	−	?	?	+	−	+
brother	−	−	−	+	−	−	+	−	−
trouble	−	−	−	+	−	?	−	−	−

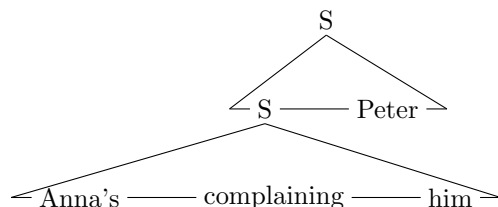|	**Nodes**
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:7, th:3, nu:2)
3	(N, lit:him, ftr:[+--+--+--], up:2, dn:0,
	lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b,
	pr:0, su:5, nu:3)
3_a	(E, sub:A, ftr:[+--+--+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[+--+--+--], np:3, ch:5_a, co:0)
4	(S, up:2, dn:5, lt:3, rt:0, th:5, nu:4)
5	(N, lit:ϕ, ftr:[+??????--], up:4, dn:0,
	lt:0, rt:6, th:6, np:5, ch:0, co:5_a, ec:5_b,
	pr:3, su:6, nu:5)
5_a	(E, sub:A, ftr:[+??????--], np:5, ch:0, co:5_b)
5_b	(E, sub:B, ftr:[+-+-??+--], np:5, ch:8_a, co:0)
6	(N, lit:taxes, ftr:[---++?---], up:4, dn:0,
	lt:5, rt:0, th:7, np:6, ch:0, co:6_a, ec:6_a,
	pr:5, su:8, nu:6)
6_a	(E, sub:A, ftr:[---++?---], np:6, ch:0, co:0)
7	(S, up:1, dn:8, lt:2, rt:0, th:8, nu:7)
8	(N, lit:your, ftr:[+-+-??+-+], up:7, dn:0,
	lt:0, rt:9, th:9, np:8, ch:0, co:8_a, ec:8_a,
	pr:6, su:9, nu:8)
8_a	(E, sub:A, ftr:[+-+-??+-+], np:8, ch:0, co:0)
9	(N, lit:brother, ftr:[---+--+--], up:7, dn:0,
	lt:8, rt:10, th:10, np:9, ch:0, co:9_a, ec:9_a,
	pr:8, su:10, nu:9)
9_a	(E, sub:A, ftr:[---+--+--], np:9, ch:0, co:0)
10	(N, lit:trouble, ftr:[---+-?---], up:7, dn:0,
	lt:9, rt:0, th:0, np:10, ch:0, co:10_a, ec:10_a,
	pr:9, su:0, nu:10)
10_a	(E, sub:A, ftr:[---+-?---], np:10, ch:0, co:0)

Chaining					
him	ϕ	**taxes**	**your**	**brother**	**trouble**
him_a	ϕ_a	$taxes_a$	$your_a$	$brother_a$	$trouble_a$
him_b^ϕ_a	ϕ_b^$your_a$				

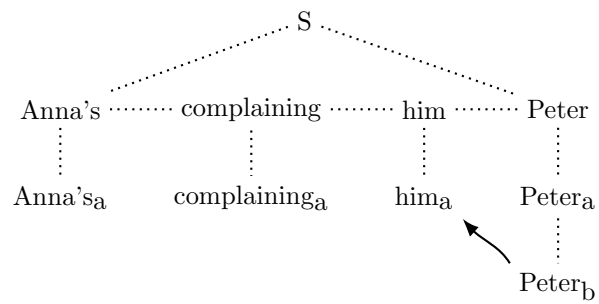| Interpretations |
|---|
| NONE |

(1.99) Anna's complaining about him infuriated Peter.

(1.99) Anna's complaining about him infuriated Peter.

```
                            S
                          /   \
                       S ──── Peter
                      /    \
              Anna's ── complaining ── him
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Anna's	–	–	–	+	–	+	+	–	+
complaining	–	–	–	+	–	?	–	–	–
him	+	–	–	+	–	–	+	–	–
Peter	–	–	–	+	–	–	+	–	–

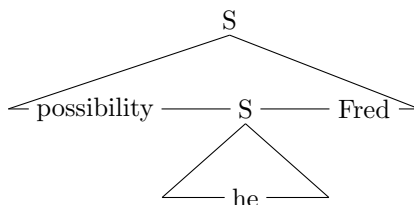| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:6, th:3, nu:2)
3	(N, lit:Anna's, ftr:[---+-++-+], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_a, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[---+-++-+], np:3, ch:0, co:0)
4	(N, lit:complaining, ftr:[---+-?---], up:2, dn:0, lt:3, rt:5, th:5, np:4, ch:0, co:4_a, ec:4_a, pr:3, su:5, nu:4)
4_a	(E, sub:A, ftr:[---+-?---], np:4, ch:0, co:0)
5	(N, lit:him, ftr:[+--+--+--], up:2, dn:0, lt:4, rt:0, th:6, np:5, ch:0, co:5_a, ec:5_a, pr:4, su:6, nu:5)
5_a	(E, sub:A, ftr:[+--+--+--], np:5, ch:0, co:0)
6	(N, lit:Peter, ftr:[---+--+--], up:1, dn:0, lt:2, rt:0, th:0, np:6, ch:0, co:6_a, ec:6_b, pr:5, su:0, nu:6)
6_a	(E, sub:A, ftr:[---+--+--], np:6, ch:0, co:6_b)
6_b	(E, sub:B, ftr:[---+--+--], np:6, ch:5_a, co:0)

S

Anna's ········ complaining ········ him ········ Peter

Anna's_a complaining_a him_a Peter_a

Peter_b

Chaining			
Anna's	**complaining**	**him**	**Peter**
Anna's_a	complaining_a	him_a	Peter_a
			$\text{Peter}_b\char`^\text{him}_a$

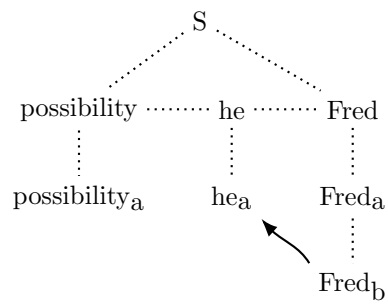| Interpretations |
|---|
| $\text{Peter}_b\char`^\text{him}_a$ |

(1.100) The possibility that he will be unpopular doesn't bother Fred.

(1.100) The possibility that he will be unpopular doesn't bother Fred.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
possibility	−	−	−	+	−	?	−	−	−
he	+	−	−	+	−	−	+	−	−
Fred	−	−	−	+	−	−	+	−	−

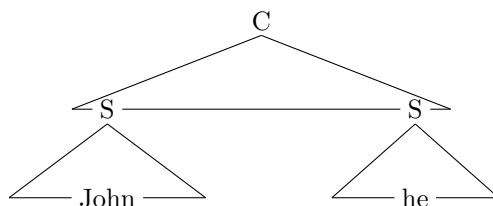| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:possibility, ftr:[---+-?---], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2$_a$, ec:2$_a$, pr:0, su:4, nu:2)
2$_a$	(E, sub:A, ftr:[---+-?---], np:2, ch:0, co:0)
3	(S, up:1, dn:4, lt:2, rt:5, th:4, nu:3)
4	(N, lit:he, ftr:[+--+--+--], up:3, dn:0, lt:0, rt:0, th:5, np:4, ch:0, co:4$_a$, ec:4$_a$, pr:2, su:5, nu:4)
4$_a$	(E, sub:A, ftr:[+--+--+--], np:4, ch:0, co:0)
5	(N, lit:Fred, ftr:[---+--+--], up:1, dn:0, lt:3, rt:0, th:0, np:5, ch:0, co:5$_a$, ec:5$_b$, pr:4, su:0, nu:5)
5$_a$	(E, sub:A, ftr:[---+--+--], np:5, ch:0, co:5$_b$)
5$_b$	(E, sub:B, ftr:[---+--+--], np:5, ch:4$_a$, co:0)

Chaining		
possibility	**he**	**Fred**
possibility$_a$	he$_a$	Fred$_a$
		Fred$_b$^he$_a$

Interpretations
Fred$_b$^he$_a$

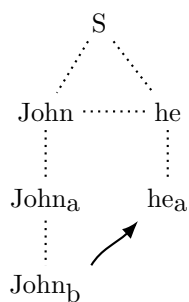## (1.101) John Adams was hungry after he woke up.

(1.101) John Adams was hungry after he woke up.

```
                          C
                  ╱               ╲
              ╱S╲─────────────────╱S╲
           ╱      ╲            ╱      ╲
        ╱  John  ╲         ╱  he  ╲
```

Features								
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
John	–	–	–	+	–	–	+	–	–
he	+	–	–	+	–	–	+	–	–

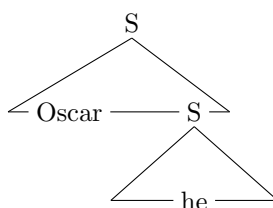| Nodes	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:4, th:3, nu:2)
3	(N, lit:John, ftr:[---+--+--], up:2, dn:0, lt:0, rt:0, th:4, np:3, ch:0, co:3_a, ec:3_b, pr:0, su:5, nu:3)
3_a	(E, sub:A, ftr:[---+--+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[---+--+--], np:3, ch:5_a, co:0)
4	(S, up:1, dn:5, lt:2, rt:0, th:5, nu:4)
5	(N, lit:he, ftr:[+--+--+--], up:4, dn:0, lt:0, rt:0, th:0, np:5, ch:0, co:5_a, ec:5_a, pr:3, su:0, nu:5)
5_a	(E, sub:A, ftr:[+--+--+--], np:5, ch:0, co:0)

```
                    S
                ⋰     ⋱
            John ⋯⋯⋯ he
             ⋮         ⋮
          Johnₐ      heₐ
             ⋮        ↗
          John_b
```

70

Chaining	
John	**he**
John$_a$	he$_a$
John$_b$^he$_a$	

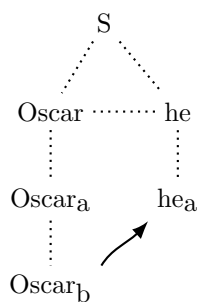| Interpretations |
|---|
| John$_b$^he$_a$ |

(1.102) Oscar wasn't disturbed that he was unpopular.

(1.102) Oscar wasn't disturbed that he was unpopular.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Oscar	−	−	−	+	−	−	+	−	−
he	+	−	−	+	−	−	+	−	−

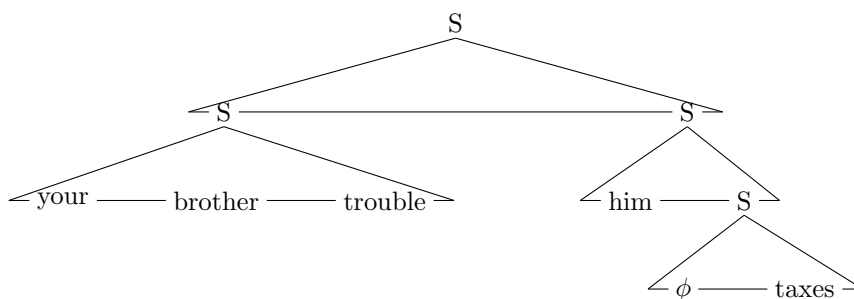| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:Oscar, ftr:[---+--+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_b, pr:0, su:4, nu:2)
2_a	(E, sub:A, ftr:[---+--+--], np:2, ch:0, co:2_b)
2_b	(E, sub:B, ftr:[---+--+--], np:2, ch:4_a, co:0)
3	(S, up:1, dn:4, lt:2, rt:0, th:4, nu:3)
4	(N, lit:he, ftr:[+--+--+--], up:3, dn:0, lt:0, rt:0, th:0, np:4, ch:0, co:4_a, ec:4_a, pr:2, su:0, nu:4)
4_a	(E, sub:A, ftr:[+--+--+--], np:4, ch:0, co:0)

Chaining	
Oscar	**he**
$Oscar_a$	he_a
$Oscar_b\char`^he_a$	

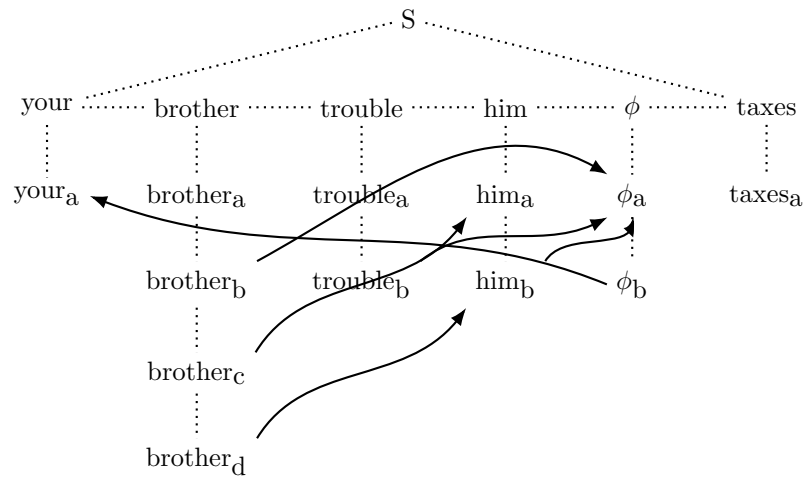| Interpretations |
| --- |
| $Oscar_b\char`^he_a$ |

(1.103) It would get your brother into trouble for him to refuse to pay taxes.

(1.103) It would get your brother into trouble for him to refuse to pay taxes.

Features								
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
your	+	−	+	−	?	?	+	−	+
brother	−	−	−	+	−	−	+	−	−
trouble	−	−	−	+	−	?	−	−	−
him	+	−	−	+	−	−	+	−	−
φ	+	?	?	?	?	?	?	−	−
taxes	−	−	−	+	+	?	−	−	−

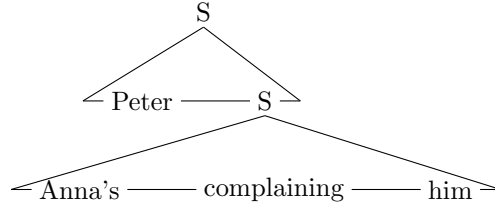|	Nodes
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:6, th:3, nu:2)
3	(N, lit:your, ftr:[+-+-??+-+], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3$_a$, ec:3$_a$, pr:0, su:4, nu:3)
3a	(E, sub:A, ftr:[+-+-??+-+], np:3, ch:0, co:0)
4	(N, lit:brother, ftr:[---+--+--], up:2, dn:0, lt:3, rt:5, th:5, np:4, ch:0, co:4$_a$, ec:4$_d$, pr:3, su:5, nu:4)
4a	(E, sub:A, ftr:[---+--+--], np:4, ch:0, co:4$_b$)
4b	(E, sub:B, ftr:[---+--+--], np:4, ch:9$_a$, co:4$_c$)
4c	(E, sub:C, ftr:[---+--+--], np:4, ch:7$_a$, co:4$_d$)
4d	(E, sub:D, ftr:[---+--+--], np:4, ch:7$_b$, co:0)
5	(N, lit:trouble, ftr:[---+-?---], up:2, dn:0, lt:4, rt:0, th:6, np:5, ch:0, co:5$_a$, ec:5$_b$, pr:4, su:7, nu:5)
5a	(E, sub:A, ftr:[---+-?---], np:5, ch:0, co:5$_b$)
5b	(E, sub:B, ftr:[---+-?---], np:5, ch:9$_a$, co:0)
6	(S, up:1, dn:7, lt:2, rt:0, th:7, nu:6)
7	(N, lit:him, ftr:[+--+--+--], up:6, dn:0, lt:0, rt:8, th:8, np:7, ch:0, co:7$_a$, ec:7$_b$, pr:5, su:9, nu:7)
7a	(E, sub:A, ftr:[+--+--+--], np:7, ch:0, co:7$_b$)
7b	(E, sub:B, ftr:[+--+--+--], np:7, ch:9$_a$, co:0)
8	(S, up:6, dn:9, lt:7, rt:0, th:9, nu:8)
9	(N, lit:ϕ, ftr:[+??????--], up:8, dn:0, lt:0, rt:10, th:10, np:9, ch:0, co:9$_a$, ec:9$_b$, pr:7, su:10, nu:9)
9a	(E, sub:A, ftr:[+??????--], np:9, ch:0, co:9$_b$)
9b	(E, sub:B, ftr:[+-+-??+--], np:9, ch:3$_a$, co:0)
10	(N, lit:taxes, ftr:[---++?---], up:8, dn:0, lt:9, rt:0, th:0, np:10, ch:0, co:10$_a$, ec:10$_a$, pr:9, su:0, nu:10)
10a	(E, sub:A, ftr:[---++?---], np:10, ch:0, co:0)

$$\text{S}$$

your ······· brother ········ trouble ········ him ·········· ϕ ·········· taxes

your_a brother_a trouble_a him_a ϕ_a taxes_a

brother_b trouble_b him_b ϕ_b

brother_c

brother_d

Chaining					
your	**brother**	**trouble**	**him**	ϕ	**taxes**
your_a	brother_a	trouble_a	him_a	ϕ_a	taxes_a
	$\text{brother}_\text{b}\text{\textasciicircum}\phi_\text{a}$	$\text{trouble}_\text{b}\text{\textasciicircum}\phi_\text{a}$	$\text{him}_\text{b}\text{\textasciicircum}\phi_\text{a}$	$\phi_\text{b}\text{\textasciicircum}\text{your}_\text{a}$	
	$\text{brother}_\text{c}\text{\textasciicircum}\text{him}_\text{a}$				
	$\text{brother}_\text{d}\text{\textasciicircum}\text{him}_\text{b}$				

Interpretations
$\text{brother}_\text{c}\text{\textasciicircum}\text{him}_\text{a}$ $\text{trouble}_\text{b}\text{\textasciicircum}\phi_\text{a}$
$\text{brother}_\text{d}\text{\textasciicircum}\text{him}_\text{b}\text{\textasciicircum}\phi_\text{a}$

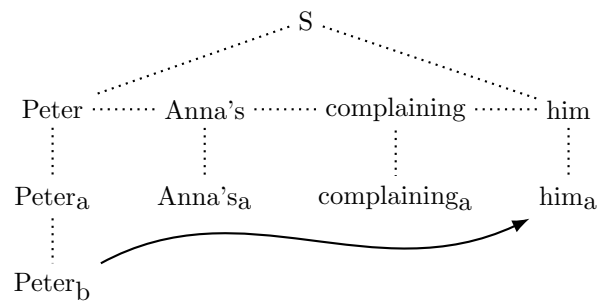## (1.104) Peter was infuriated at Anna's complaining about him.

(1.104) Peter was infuriated at Anna's complaining about him.

```
                              S
                             / \
                    Peter ——— S
                             / | \
                  Anna's —— complaining —— him
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Peter	−	−	−	+	−	−	+	−	−
Anna's	−	−	−	+	−	+	+	−	+
complaining	−	−	−	+	−	?	−	−	−
him	+	−	−	+	−	−	+	−	−

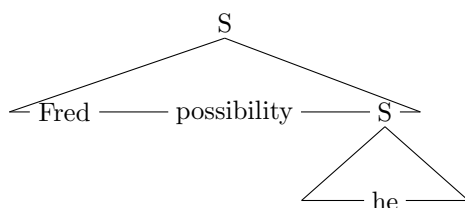|	Nodes
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:Peter, ftr:[---+--+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_b, ec:2_b, pr:0, su:4, nu:2)
2_a	(E, sub:A, ftr:[---+--+--], np:2, ch:0, co:2_b)
2_b	(E, sub:B, ftr:[---+--+--], np:2, ch:6_a, co:0)
3	(S, up:1, dn:4, lt:2, rt:0, th:4, nu:3)
4	(N, lit:Anna's, ftr:[---+-++-+], up:3, dn:0, lt:0, rt:5, th:5, np:4, ch:0, co:4_a, ec:4_a, pr:2, su:5, nu:4)
4_a	(E, sub:A, ftr:[---+-++-+], np:4, ch:0, co:0)
5	(N, lit:complaining, ftr:[---+-?---], up:3, dn:0, lt:4, rt:6, th:6, np:5, ch:0, co:5_a, ec:5_a, pr:4, su:6, nu:5)
5_a	(E, sub:A, ftr:[---+-?---], np:5, ch:0, co:0)
6	(N, lit:him, ftr:[+--+--+--], up:3, dn:0, lt:5, rt:0, th:0, np:6, ch:0, co:6_a, ec:6_a, pr:5, su:0, nu:6)
6_a	(E, sub:A, ftr:[+--+--+--], np:6, ch:0, co:0)

$$\begin{array}{c}
\text{S} \\
\diagup \diagdown \\
\text{Peter} \cdots \text{Anna's} \cdots \text{complaining} \cdots \text{him} \\
\vdots \qquad \vdots \qquad \vdots \qquad \vdots \\
\text{Peter}_a \quad \text{Anna's}_a \quad \text{complaining}_a \quad \text{him}_a \\
\vdots \\
\text{Peter}_b
\end{array}$$

Chaining			
Peter	**Anna's**	**complaining**	**him**
Peter$_a$	Anna's$_a$	complaining$_a$	him$_a$
Peter$_b$^him$_a$			

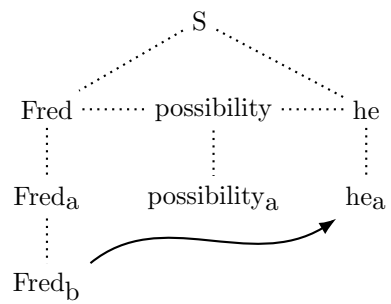| Interpretations |
|---|
| Peter$_b$^him$_a$ |

(1.105) Fred isn't bothered by the possibility that he will be unpopular.

(1.105) Fred isn't bothered by the possibility that he will be unpopular.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Fred	−	−	−	+	−	−	+	−	−
possibility	−	−	−	+	−	?	−	−	−
he	+	−	−	+	−	−	+	−	−

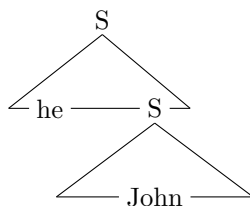| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:Fred, ftr:[---+--+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2$_a$, ec:2$_b$, pr:0, su:3, nu:2)
2$_a$	(E, sub:A, ftr:[---+--+--], np:2, ch:0, co:2$_b$)
2$_b$	(E, sub:B, ftr:[---+--+--], np:2, ch:5$_a$, co:0)
3	(N, lit:possibility, ftr:[---+-?---], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3$_a$, ec:3$_a$, pr:2, su:5, nu:3)
3$_a$	(E, sub:A, ftr:[---+-?---], np:3, ch:0, co:0)
4	(S, up:1, dn:5, lt:3, rt:0, th:5, nu:4)
5	(N, lit:he, ftr:[+--+--+--], up:4, dn:0, lt:0, rt:0, th:0, np:5, ch:0, co:5$_a$, ec:5$_a$, pr:3, su:0, nu:5)
5$_a$	(E, sub:A, ftr:[+--+--+--], np:5, ch:0, co:0)

```
                          S
              ⋰           ⋮           ⋱
        Fred ········· possibility ········ he
         ⋮                 ⋮                ⋮
       Fred_a         possibility_a        he_a
         ⋮
       Fred_b
```

Chaining		
Fred	**possibility**	**he**
Fred$_a$	possibility$_a$	he$_a$
Fred$_b$^he$_a$		

Interpretations
Fred$_b$^he$_a$

(1.106) *He was hungry after John Adams woke up.

(1.106) *He was hungry after John Adams woke up.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
he	+	−	−	+	−	−	+	−	−
John	−	−	−	+	−	−	+	−	−

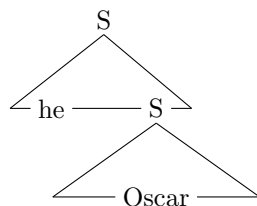| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:he, ftr:[+--+--+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2$_a$, ec:2$_a$, pr:0, su:4, nu:2)
2a	(E, sub:A, ftr:[+--+--+--], np:2, ch:0, co:0)
3	(S, up:1, dn:4, lt:2, rt:0, th:4, nu:3)
4	(N, lit:John, ftr:[---+--+--], up:3, dn:0, lt:0, rt:0, th:0, np:4, ch:0, co:4$_a$, ec:4$_a$, pr:2, su:0, nu:4)
4a	(E, sub:A, ftr:[---+--+--], np:4, ch:0, co:0)
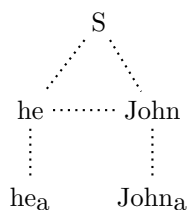
Chaining	
he	**John**
he$_a$	John$_a$

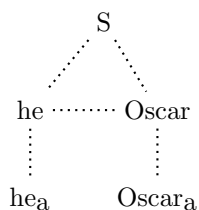| Interpretations |
|:---:|
| NONE |

(1.107) *He wasn't disturbed that Oscar was unpopular.

(1.107) *He wasn't disturbed that Oscar was unpopular.

```
              S
           /     \
        he ——— S
               /    \
            —— Oscar ——
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
he	+	–	–	+	–	–	+	–	–
Oscar	–	–	–	+	–	–	+	–	–

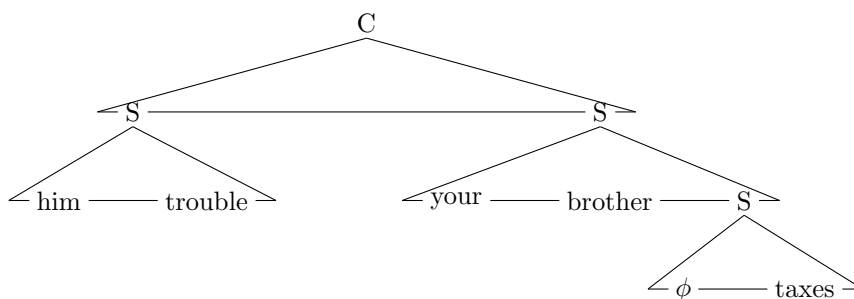| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:he, ftr:[+--+--+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_a, pr:0, su:4, nu:2)
2_a	(E, sub:A, ftr:[+--+--+--], np:2, ch:0, co:0)
3	(S, up:1, dn:4, lt:2, rt:0, th:4, nu:3)
4	(N, lit:Oscar, ftr:[---+--+--], up:3, dn:0, lt:0, rt:0, th:0, np:4, ch:0, co:4_a, ec:4_a, pr:2, su:0, nu:4)
4_a	(E, sub:A, ftr:[---+--+--], np:4, ch:0, co:0)

```
              S
           /     \
        he ······· Oscar
         :           :
        he_a       Oscar_a
```

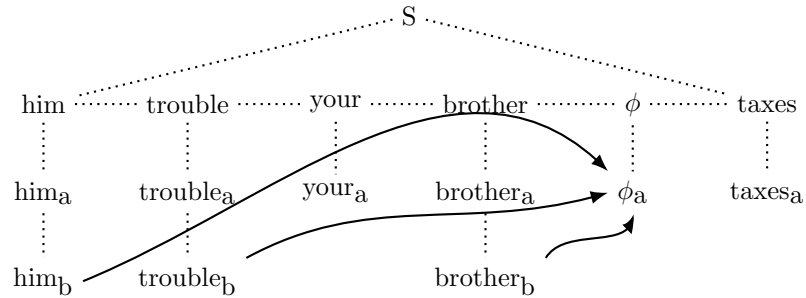| Chaining	
he	**Oscar**
he_a	$Oscar_a$

Interpretations
NONE

(1.108) *It would get him into trouble for your brother to refuse to pay taxes.

(1.108) *It would get him into trouble for your brother to refuse to pay taxes.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
him	+	−	−	+	−	−	+	−	−
trouble	−	−	−	+	−	?	−	−	−
your	+	−	+	−	?	?	+	−	+
brother	−	−	−	+	−	−	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
taxes	−	−	−	+	+	?	−	−	−

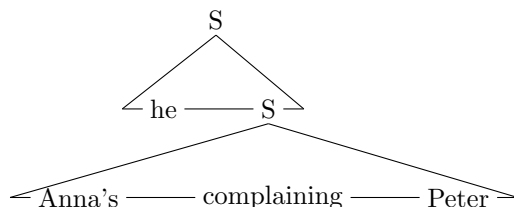|	Nodes
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:him, ftr:[+--+--+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[+--+--+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[+--+--+--], np:3, ch:9_a, co:0)
4	(N, lit:trouble, ftr:[---+-?---], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_b, pr:3, su:6, nu:4)
4_a	(E, sub:A, ftr:[---+-?---], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[---+-?---], np:4, ch:9_a, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(N, lit:your, ftr:[+-+-??+-+], up:5, dn:0, lt:0, rt:7, th:7, np:6, ch:0, co:6_a, ec:6_a, pr:4, su:7, nu:6)
6_a	(E, sub:A, ftr:[+-+-??+-+], np:6, ch:0, co:0)
7	(N, lit:brother, ftr:[---+--+--], up:5, dn:0, lt:6, rt:8, th:8, np:7, ch:0, co:7_a, ec:7_b, pr:6, su:9, nu:7)
7_a	(E, sub:A, ftr:[---+--+--], np:7, ch:0, co:7_b)
7_b	(E, sub:B, ftr:[---+--+--], np:7, ch:9_a, co:0)
8	(S, up:5, dn:9, lt:7, rt:0, th:9, nu:8)
9	(N, lit:ϕ, ftr:[+??????--], up:8, dn:0, lt:0, rt:10, th:10, np:9, ch:0, co:9_a, ec:9_a, pr:7, su:10, nu:9)
9_a	(E, sub:A, ftr:[+??????--], np:9, ch:0, co:0)
10	(N, lit:taxes, ftr:[---++?---], up:8, dn:0, lt:9, rt:0, th:0, np:10, ch:0, co:10_a, ec:10_a, pr:9, su:0, nu:10)
10_a	(E, sub:A, ftr:[---++?---], np:10, ch:0, co:0)

Chaining					
him	**trouble**	**your**	**brother**	ϕ	**taxes**
him_a	$trouble_a$	$your_a$	$brother_a$	ϕ_a	$taxes_a$
$him_b\hat{}\phi_a$	$trouble_b\hat{}\phi_a$		$brother_b\hat{}\phi_a$		

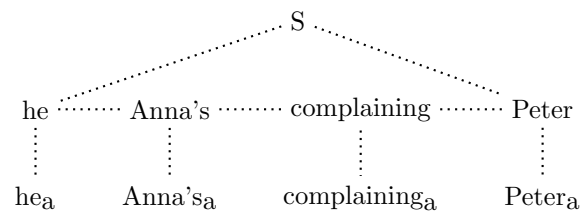| Interpretations |
|---|
| NONE |

(1.109) *He was infuriated at Anna's complaining about Peter.

(1.109) *He was infuriated at Anna's complaining about Peter.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
he	+	−	−	+	−	−	+	−	−
Anna's	−	−	−	+	−	+	+	−	+
complaining	−	−	−	+	−	?	−	−	−
Peter	−	−	−	+	−	−	+	−	−

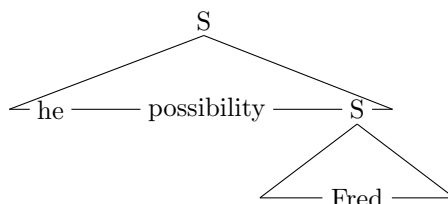| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:he, ftr:[+--+--+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_a, pr:0, su:4, nu:2)
2_a	(E, sub:A, ftr:[+--+--+--], np:2, ch:0, co:0)
3	(S, up:1, dn:4, lt:2, rt:0, th:4, nu:3)
4	(N, lit:Anna's, ftr:[---+-++-+], up:3, dn:0, lt:0, rt:5, th:5, np:4, ch:0, co:4_a, ec:4_a, pr:2, su:5, nu:4)
4_a	(E, sub:A, ftr:[---+-++-+], np:4, ch:0, co:0)
5	(N, lit:complaining, ftr:[---+-?---], up:3, dn:0, lt:4, rt:6, th:6, np:5, ch:0, co:5_a, ec:5_a, pr:4, su:6, nu:5)
5_a	(E, sub:A, ftr:[---+-?---], np:5, ch:0, co:0)
6	(N, lit:Peter, ftr:[---+--+--], up:3, dn:0, lt:5, rt:0, th:0, np:6, ch:0, co:6_a, ec:6_a, pr:5, su:0, nu:6)
6_a	(E, sub:A, ftr:[---+--+--], np:6, ch:0, co:0)

```
                         S
          ┌──────────┬───────────┴──────────┐
         he        Anna's    complaining        Peter
          ┊          ┊            ┊               ┊
         he_a      Anna's_a   complaining_a     Peter_a
```

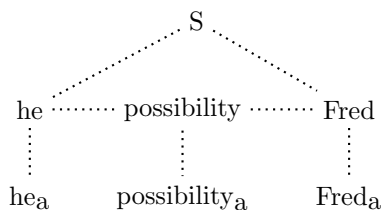| Chaining			
he	**Anna's**	**complaining**	**Peter**
he_a	Anna's_a	complaining_a	Peter_a

Interpretations
NONE

(1.110) *He isn't bothered by the possibility that Fred will be unpopular.

(1.110) *He isn't bothered by the possibility that Fred will be unpopular.

```
              S
           /  |  \
    he —— possibility —— S
                       /   \
                   —— Fred ——
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
he	+	–	–	+	–	–	+	–	–
possibility	–	–	–	+	–	?	–	–	–
Fred	–	–	–	+	–	–	+	–	–

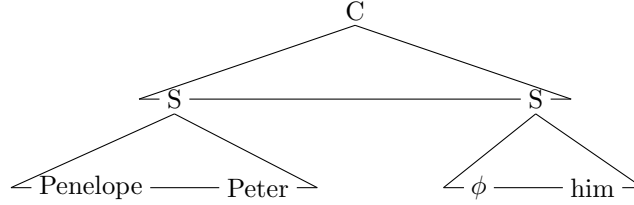| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:he, ftr:[+--+--+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_a, pr:0, su:3, nu:2)
2_a	(E, sub:A, ftr:[+--+--+--], np:2, ch:0, co:0)
3	(N, lit:possibility, ftr:[---+-?---], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_a, pr:2, su:5, nu:3)
3_a	(E, sub:A, ftr:[---+-?---], np:3, ch:0, co:0)
4	(S, up:1, dn:5, lt:3, rt:0, th:5, nu:4)
5	(N, lit:Fred, ftr:[---+--+--], up:4, dn:0, lt:0, rt:0, th:0, np:5, ch:0, co:5_a, ec:5_a, pr:3, su:0, nu:5)
5_a	(E, sub:A, ftr:[---+--+--], np:5, ch:0, co:0)

```
              S
          /   |   \
       he  possibility  Fred
        |       |         |
       he_a  possibility_a  Fred_a
```

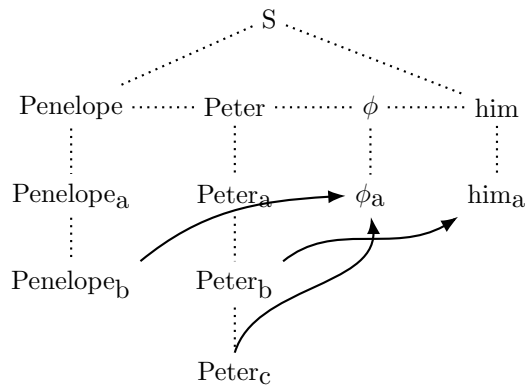| Chaining		
he	**possibility**	**Fred**
he_a	$possibility_a$	$Fred_a$

Interpretations
NONE

(1.111) Penelope cursed Peter and slandered him.

(1.111) Penelope cursed Peter and slandered him.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Penelope	–	–	–	+	–	+	+	–	–
Peter	–	–	–	+	–	–	+	–	–
ϕ	+	?	?	?	?	?	?	–	–
him	+	–	–	+	–	–	+	–	–

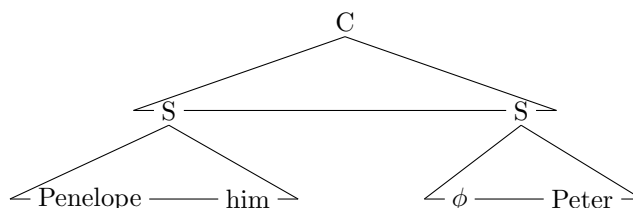|	Nodes
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:Penelope, ftr:[---+-++--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[---+-++--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[---+-++--], np:3, ch:6_a, co:0)
4	(N, lit:Peter, ftr:[---+--+--], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_c, pr:3, su:6, nu:4)
4_a	(E, sub:A, ftr:[---+--+--], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[---+--+--], np:4, ch:7_a, co:4_c)
4_c	(E, sub:C, ftr:[---+--+--], np:4, ch:6_a, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(N, lit:ϕ, ftr:[+??????--], up:5, dn:0, lt:0, rt:7, th:7, np:6, ch:0, co:6_a, ec:6_a, pr:4, su:7, nu:6)
6_a	(E, sub:A, ftr:[+??????--], np:6, ch:0, co:0)
7	(N, lit:him, ftr:[+--+--+--], up:5, dn:0, lt:6, rt:0, th:0, np:7, ch:0, co:7_a, ec:7_a, pr:6, su:0, nu:7)
7_a	(E, sub:A, ftr:[+--+--+--], np:7, ch:0, co:0)

S

Penelope ········ Peter ········ ϕ ········ him

Penelope$_a$ Peter$_a$ ϕ_a him$_a$

Penelope$_b$ Peter$_b$

Peter$_c$

Chaining			
Penelope	**Peter**	ϕ	**him**
Penelope$_a$	Peter$_a$	ϕ_a	him$_a$
Penelope$_b$^ϕ_a	Peter$_b$^him$_a$		
	Peter$_c$^ϕ_a		

Interpretations	
Penelope$_b$^ϕ_a	Peter$_b$^him$_a$

(1.112) *Penelope cursed him and slandered Peter.

(1.112) *Penelope cursed him and slandered Peter.

```
                            C
                 S ──────────────── S
          Penelope ── him        φ ── Peter
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Penelope	−	−	−	+	−	+	+	−	−
him	+	−	−	+	−	−	+	−	−
φ	+	?	?	?	?	?	?	−	−
Peter	−	−	−	+	−	−	+	−	−

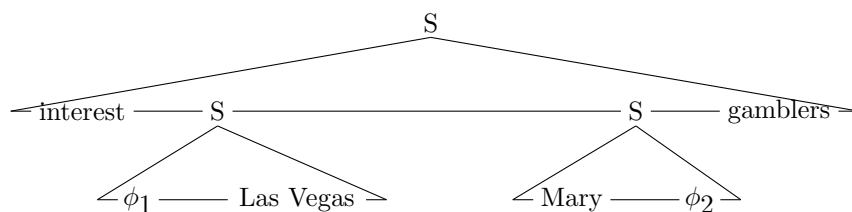| Nodes	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:Penelope, ftr:[---+-++--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[---+-++--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[---+-++--], np:3, ch:6_a, co:0)
4	(N, lit:him, ftr:[+--+--+--], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_b, pr:3, su:6, nu:4)
4_a	(E, sub:A, ftr:[+--+--+--], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[+--+--+--], np:4, ch:6_a, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(N, lit:φ, ftr:[+??????--], up:5, dn:0, lt:0, rt:7, th:7, np:6, ch:0, co:6_a, ec:6_a, pr:4, su:7, nu:6)
6_a	(E, sub:A, ftr:[+??????--], np:6, ch:0, co:0)
7	(N, lit:Peter, ftr:[---+--+--], up:5, dn:0, lt:6, rt:0, th:0, np:7, ch:0, co:7_a, ec:7_a, pr:6, su:0, nu:7)
7_a	(E, sub:A, ftr:[---+--+--], np:7, ch:0, co:0)
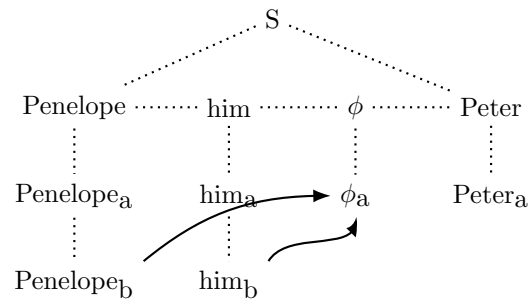
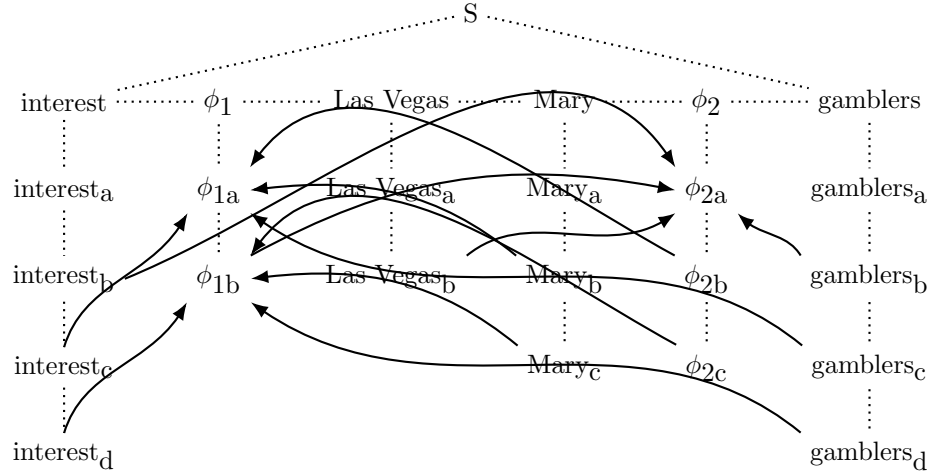| Chaining			
Penelope	**him**	ϕ	**Peter**
Penelope$_a$	him$_a$	ϕ_a	Peter$_a$
Penelope$_b$^ϕ_a	him$_b$^ϕ_a		

Interpretations
NONE

(1.113) The interest in visiting Las Vegas that Mary displayed is typical of gamblers.

(1.113) The interest in visiting Las Vegas that Mary displayed is typical of gamblers.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
interest	–	–	–	+	–	?	–	–	–
ϕ_1	+	?	?	?	?	?	?	–	–
Las Vegas	–	–	–	+	–	?	–	–	–
Mary	–	–	–	+	–	+	+	–	–
ϕ_2	+	?	?	?	?	?	?	–	–
gamblers	–	–	–	+	+	?	+	–	–

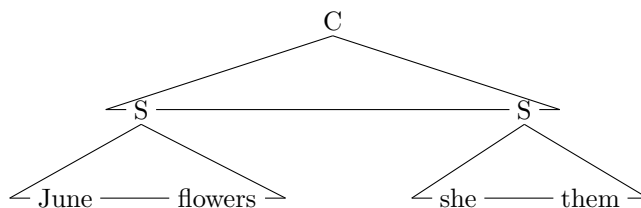|	Nodes
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:interest, ftr:[---+-?---], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_d, pr:0, su:4, nu:2)
2_a	(E, sub:A, ftr:[---+-?---], np:2, ch:0, co:2_b)
2_b	(E, sub:B, ftr:[---+-?---], np:2, ch:8_a, co:2_c)
2_c	(E, sub:C, ftr:[---+-?---], np:2, ch:4_a, co:2_d)
2_d	(E, sub:D, ftr:[---+-?---], np:2, ch:4_b, co:0)
3	(S, up:1, dn:4, lt:2, rt:6, th:4, nu:3)
4	(N, lit:ϕ_1, ftr:[+??????--], up:3, dn:0, lt:0, rt:5, th:5, np:4, ch:0, co:4_a, ec:4_b, pr:2, su:5, nu:4)
4_a	(E, sub:A, ftr:[+??????--], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[+??????--], np:4, ch:8_a, co:0)
5	(N, lit:Las Vegas, ftr:[---+-?---], up:3, dn:0, lt:4, rt:0, th:6, np:5, ch:0, co:5_a, ec:5_b, pr:4, su:7, nu:5)
5_a	(E, sub:A, ftr:[---+-?---], np:5, ch:0, co:5_b)
5_b	(E, sub:B, ftr:[---+-?---], np:5, ch:8_a, co:0)
6	(S, up:1, dn:7, lt:3, rt:9, th:7, nu:6)
7	(N, lit:Mary, ftr:[---+-++--], up:6, dn:0, lt:0, rt:8, th:8, np:7, ch:0, co:7_a, ec:7_c, pr:5, su:8, nu:7)
7_a	(E, sub:A, ftr:[---+-++--], np:7, ch:0, co:7_b)
7_b	(E, sub:B, ftr:[---+-++--], np:7, ch:4_a, co:7_c)
7_c	(E, sub:C, ftr:[---+-++--], np:7, ch:4_b, co:0)
8	(N, lit:ϕ_2, ftr:[+??????--], up:6, dn:0, lt:7, rt:0, th:9, np:8, ch:0, co:8_a, ec:8_c, pr:7, su:9, nu:8)
8_a	(E, sub:A, ftr:[+??????--], np:8, ch:0, co:8_b)
8_b	(E, sub:B, ftr:[+??????--], np:8, ch:4_a, co:8_c)
8_c	(E, sub:C, ftr:[+??????--], np:8, ch:4_b, co:0)
9	(N, lit:gamblers, ftr:[---++?+--], up:1, dn:0, lt:6, rt:0, th:0, np:9, ch:0, co:9_a, ec:9_d, pr:8, su:0, nu:9)
9_a	(E, sub:A, ftr:[---++?+--], np:9, ch:0, co:9_b)
9_b	(E, sub:B, ftr:[---++?+--], np:9, ch:8_a, co:9_c)
9_c	(E, sub:C, ftr:[---++?+--], np:9, ch:4_a, co:9_d)
9_d	(E, sub:D, ftr:[---++?+--], np:9, ch:4_b, co:0)

Chaining					
interest	ϕ_1	**Las Vegas**	**Mary**	ϕ_2	**gamblers**
interest$_a$	ϕ_{1a}	Las Vegas$_a$	Mary$_a$	ϕ_{2a}	gamblers$_a$
interest$_b$^ϕ_{2a}	ϕ_{1b}^ϕ_{2a}	Las Vegas$_b$^ϕ_{2a}	Mary$_b$^ϕ_{1a}	ϕ_{2b}^ϕ_{1a}	gamblers$_b$^ϕ_{2a}
interest$_c$^ϕ_{1a}			Mary$_c$^ϕ_{1b}	ϕ_{2c}^ϕ_{1b}	gamblers$_c$^ϕ_{1a}
interest$_d$^ϕ_{1b}					gamblers$_d$^ϕ_{1b}

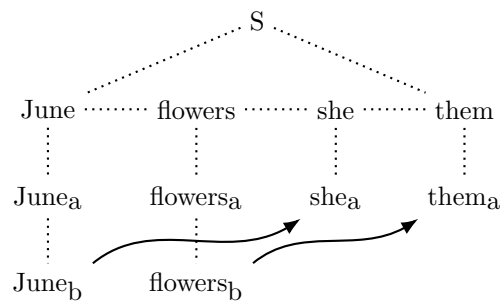| Interpretations |
|---|
| interest$_c$^ϕ_{1a} Las Vegas$_b$^ϕ_{2a} |
| interest$_c$^ϕ_{1a} gamblers$_b$^ϕ_{2a} |
| interest$_d$^ϕ_{1b}^ϕ_{2a} |
| Mary$_b$^ϕ_{1a} interest$_b$^ϕ_{2a} |
| Mary$_b$^ϕ_{1a} Las Vegas$_b$^ϕ_{2a} |
| Mary$_b$^ϕ_{1a} gamblers$_b$^ϕ_{2a} |
| Mary$_c$^ϕ_{1b}^ϕ_{2a} |
| gamblers$_c$^ϕ_{1a} interest$_b$^ϕ_{2a} |
| gamblers$_c$^ϕ_{1a} Las Vegas$_b$^ϕ_{2a} |
| gamblers$_d$^ϕ_{1b}^ϕ_{2a} |

(5.2) June hates flowers, but she waters them anyway.

(5.2) June hates flowers, but she waters them anyway.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
June	−	−	−	+	−	+	+	−	−
flowers	−	−	−	+	+	?	−	−	−
she	+	−	−	+	−	+	+	−	−
them	+	−	−	+	+	?	?	−	−

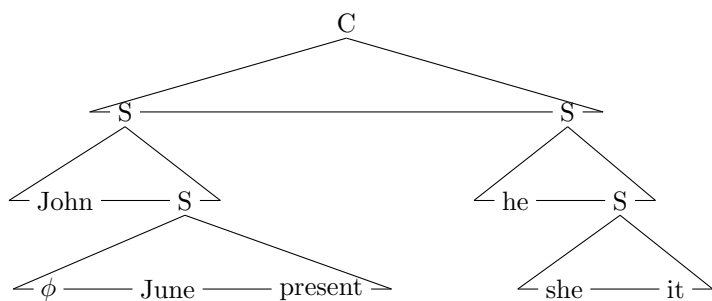| Nodes	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:June, ftr:[---+-++--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3$_a$, ec:3$_b$, pr:0, su:4, nu:3)
3$_a$	(E, sub:A, ftr:[---+-++--], np:3, ch:0, co:3$_b$)
3$_b$	(E, sub:B, ftr:[---+-++--], np:3, ch:6$_a$, co:0)
4	(N, lit:flowers, ftr:[---++?---], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4$_a$, ec:4$_b$, pr:3, su:6, nu:4)
4$_a$	(E, sub:A, ftr:[---++?---], np:4, ch:0, co:4$_b$)
4$_b$	(E, sub:B, ftr:[---++?---], np:4, ch:7$_a$, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(N, lit:she, ftr:[+--+-++--], up:5, dn:0, lt:0, rt:7, th:7, np:6, ch:0, co:6$_a$, ec:6$_a$, pr:4, su:7, nu:6)
6$_a$	(E, sub:A, ftr:[+--+-++--], np:6, ch:0, co:0)
7	(N, lit:them, ftr:[+--++??--], up:5, dn:0, lt:6, rt:0, th:0, np:7, ch:0, co:7$_a$, ec:7$_a$, pr:6, su:0, nu:7)
7$_a$	(E, sub:A, ftr:[+--++??--], np:7, ch:0, co:0)

```
                            S
              ┌·········┬········┬·········┐
           June ····· flowers ····· she ····· them
             ┊         ┊          ┊         ┊
          June_a    flowers_a    she_a    them_a
             ┊         ┊
          June_b    flowers_b
```

Chaining			
June	**flowers**	**she**	**them**
June$_a$	flowers$_a$	she$_a$	them$_a$
June$_b$^she$_a$	flowers$_b$^them$_a$		

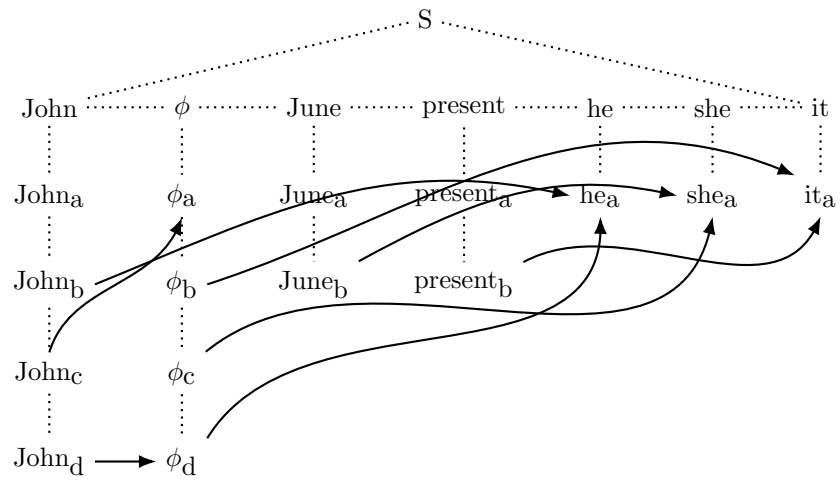| Interpretations	
June$_b$^she$_a$	flowers$_b$^them$_a$

(8.1) John wants to give June a present, but he isn't sure she'll like it.

(8.1) John wants to give June a present, but he isn't sure she'll like it.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
John	−	−	−	+	−	−	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
June	−	−	−	+	−	+	+	−	−
present	−	−	−	+	−	?	−	−	−
he	+	−	−	+	−	−	+	−	−
she	+	−	−	+	−	+	+	−	−
it	+	−	−	+	−	?	−	−	−

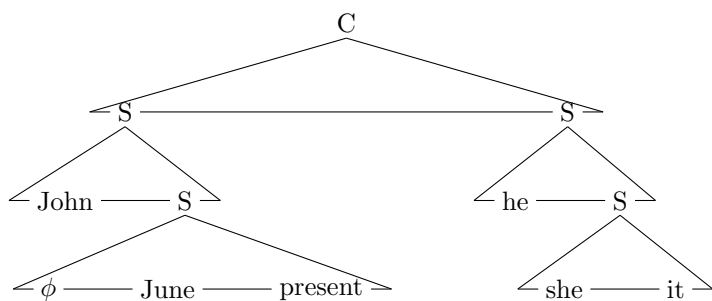|	**Nodes**
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:8, th:3, nu:2)
3	(N, lit:John, ftr:[---+--+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_d, pr:0, su:5, nu:3)
3_a	(E, sub:A, ftr:[---+--+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[---+--+--], np:3, ch:9_a, co:3_c)
3_c	(E, sub:C, ftr:[---+--+--], np:3, ch:5_a, co:3_d)
3_d	(E, sub:D, ftr:[---+--+--], np:3, ch:5_d, co:0)
4	(S, up:2, dn:5, lt:3, rt:0, th:5, nu:4)
5	(N, lit:ϕ, ftr:[+??????--], up:4, dn:0, lt:0, rt:6, th:6, np:5, ch:0, co:5_a, ec:5_d, pr:3, su:6, nu:5)
5_a	(E, sub:A, ftr:[+??????--], np:5, ch:0, co:5_b)
5_b	(E, sub:B, ftr:[+--+-?---], np:5, ch:12_a, co:5_c)
5_c	(E, sub:C, ftr:[+--+-++--], np:5, ch:11_a, co:5_d)
5_d	(E, sub:D, ftr:[+--+--+--], np:5, ch:9_a, co:0)
6	(N, lit:June, ftr:[---+-++--], up:4, dn:0, lt:5, rt:7, th:7, np:6, ch:0, co:6_a, ec:6_b, pr:5, su:7, nu:6)
6_a	(E, sub:A, ftr:[---+-++--], np:6, ch:0, co:6_b)
6_b	(E, sub:B, ftr:[---+-++--], np:6, ch:11_a, co:0)
7	(N, lit:present, ftr:[---+-?---], up:4, dn:0, lt:6, rt:0, th:8, np:7, ch:0, co:7_a, ec:7_b, pr:6, su:9, nu:7)
7_a	(E, sub:A, ftr:[---+-?---], np:7, ch:0, co:7_b)
7_b	(E, sub:B, ftr:[---+-?---], np:7, ch:12_a, co:0)
8	(S, up:1, dn:9, lt:2, rt:0, th:9, nu:8)
9	(N, lit:he, ftr:[+--+--+--], up:8, dn:0, lt:0, rt:10, th:10, np:9, ch:0, co:9_a, ec:9_a, pr:7, su:11, nu:9)
9_a	(E, sub:A, ftr:[+--+--+--], np:9, ch:0, co:0)
10	(S, up:8, dn:11, lt:9, rt:0, th:11, nu:10)
11	(N, lit:she, ftr:[+--+-++--], up:10, dn:0, lt:0, rt:12, th:12, np:11, ch:0, co:11_a, ec:11_a, pr:9, su:12, nu:11)
11_a	(E, sub:A, ftr:[+--+-++--], np:11, ch:0, co:0)
12	(N, lit:it, ftr:[+--+-?---], up:10, dn:0, lt:11, rt:0, th:0, np:12, ch:0, co:12_a, ec:12_a, pr:11, su:0, nu:12)
12_a	(E, sub:A, ftr:[+--+-?---], np:12, ch:0, co:0)

S

John · · · · · · · ϕ · · · · · · · June · · · · · · · present · · · · · · · he · · · · · · · she · · · · · · · it

John$_a$ ϕ_a June$_a$ present$_a$ he$_a$ she$_a$ it$_a$

John$_b$ ϕ_b June$_b$ present$_b$

John$_c$ ϕ_c

John$_d$ $\longrightarrow$ ϕ_d

Chaining						
John	**ϕ**	**June**	**present**	**he**	**she**	**it**
John$_a$	ϕ_a	June$_a$	present$_a$	he$_a$	she$_a$	it$_a$
John$_b$ˆhe$_a$	ϕ_bˆit$_a$	June$_b$ˆshe$_a$	present$_b$ˆit$_a$			
John$_c$ˆϕ_a	ϕ_cˆshe$_a$					
John$_d$ˆϕ_d	ϕ_dˆhe$_a$					

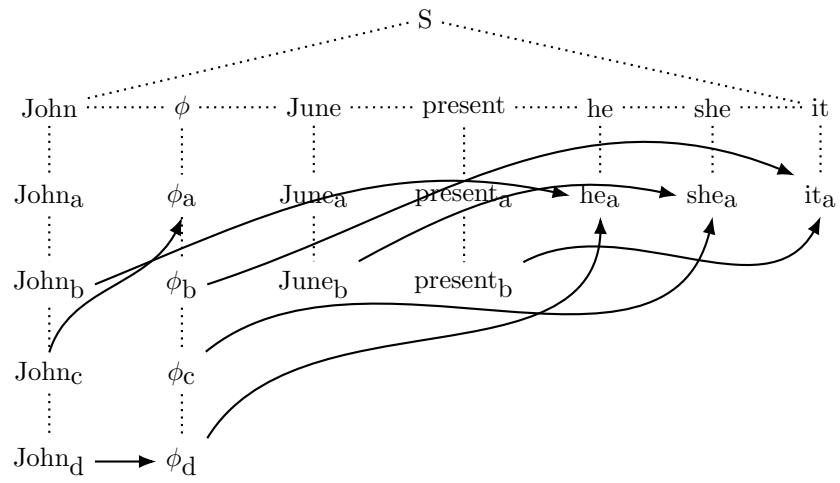| Interpretations		
John$_d$ˆϕ_dˆhe$_a$	June$_b$ˆshe$_a$	present$_b$ˆit$_a$

(10.1) John wants to give June a present, but he isn't sure she'll like it.

(10.1) John wants to give June a present, but he isn't sure she'll like it.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
John	−	−	−	+	−	−	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
June	−	−	−	+	−	+	+	−	−
present	−	−	−	+	−	?	−	−	−
he	+	−	−	+	−	−	+	−	−
she	+	−	−	+	−	+	+	−	−
it	+	−	−	+	−	?	−	−	−

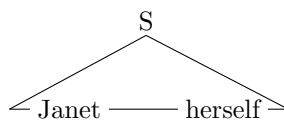|	Nodes
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:8, th:3, nu:2)
3	(N, lit:John, ftr:[---+--+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_d, pr:0, su:5, nu:3)
3_a	(E, sub:A, ftr:[---+--+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[---+--+--], np:3, ch:9_a, co:3_c)
3_c	(E, sub:C, ftr:[---+--+--], np:3, ch:5_a, co:3_d)
3_d	(E, sub:D, ftr:[---+--+--], np:3, ch:5_d, co:0)
4	(S, up:2, dn:5, lt:3, rt:0, th:5, nu:4)
5	(N, lit:ϕ, ftr:[+??????--], up:4, dn:0, lt:0, rt:6, th:6, np:5, ch:0, co:5_a, ec:5_d, pr:3, su:6, nu:5)
5_a	(E, sub:A, ftr:[+??????--], np:5, ch:0, co:5_b)
5_b	(E, sub:B, ftr:[+--+-?---], np:5, ch:12_a, co:5_c)
5_c	(E, sub:C, ftr:[+--+-++--], np:5, ch:11_a, co:5_d)
5_d	(E, sub:D, ftr:[+--+--+--], np:5, ch:9_a, co:0)
6	(N, lit:June, ftr:[---+-++--], up:4, dn:0, lt:5, rt:7, th:7, np:6, ch:0, co:6_a, ec:6_b, pr:5, su:7, nu:6)
6_a	(E, sub:A, ftr:[---+-++--], np:6, ch:0, co:6_b)
6_b	(E, sub:B, ftr:[---+-++--], np:6, ch:11_a, co:0)
7	(N, lit:present, ftr:[---+-?---], up:4, dn:0, lt:6, rt:0, th:8, np:7, ch:0, co:7_a, ec:7_b, pr:6, su:9, nu:7)
7_a	(E, sub:A, ftr:[---+-?---], np:7, ch:0, co:7_b)
7_b	(E, sub:B, ftr:[---+-?---], np:7, ch:12_a, co:0)
8	(S, up:1, dn:9, lt:2, rt:0, th:9, nu:8)
9	(N, lit:he, ftr:[+--+--+--], up:8, dn:0, lt:0, rt:10, th:10, np:9, ch:0, co:9_a, ec:9_a, pr:7, su:11, nu:9)
9_a	(E, sub:A, ftr:[+--+--+--], np:9, ch:0, co:0)
10	(S, up:8, dn:11, lt:9, rt:0, th:11, nu:10)
11	(N, lit:she, ftr:[+--+-++--], up:10, dn:0, lt:0, rt:12, th:12, np:11, ch:0, co:11_a, ec:11_a, pr:9, su:12, nu:11)
11_a	(E, sub:A, ftr:[+--+-++--], np:11, ch:0, co:0)
12	(N, lit:it, ftr:[+--+-?---], up:10, dn:0, lt:11, rt:0, th:0, np:12, ch:0, co:12_a, ec:12_a, pr:11, su:0, nu:12)
12_a	(E, sub:A, ftr:[+--+-?---], np:12, ch:0, co:0)

S

John .... ϕ .... June .... present .... he .... she .... it

John$_a$ ϕ_a June$_a$ present$_a$ he$_a$ she$_a$ it$_a$

John$_b$ ϕ_b June$_b$ present$_b$

John$_c$ ϕ_c

John$_d$ ⟶ ϕ_d

Chaining						
John	**ϕ**	**June**	**present**	**he**	**she**	**it**
John$_a$	ϕ_a	June$_a$	present$_a$	he$_a$	she$_a$	it$_a$
John$_b$ˆhe$_a$	ϕ_bˆit$_a$	June$_b$ˆshe$_a$	present$_b$ˆit$_a$			
John$_c$ˆϕ_a	ϕ_cˆshe$_a$					
John$_d$ˆϕ_d	ϕ_dˆhe$_a$					

Interpretations		
John$_d$ˆϕ_dˆhe$_a$	June$_b$ˆshe$_a$	present$_b$ˆit$_a$

(10.2) Janet saw herself.

(10.2) Janet saw herself.

```
              S
            /   \
         Janet ——— herself
```

Features								
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Janet	−	−	−	+	−	+	+	−	−
herself	+	−	−	+	−	+	+	+	−

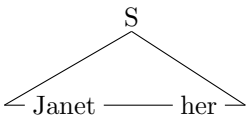| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:Janet, ftr:[---+-++--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2$_a$, ec:2$_b$, pr:0, su:3, nu:2)
2a	(E, sub:A, ftr:[---+-++--], np:2, ch:0, co:2$_b$)
2b	(E, sub:B, ftr:[---+-++--], np:2, ch:3$_a$, co:0)
3	(N, lit:herself, ftr:[+--+-+++-], up:1, dn:0, lt:2, rt:0, th:0, np:3, ch:0, co:3$_a$, ec:3$_a$, pr:2, su:0, nu:3)
3a	(E, sub:A, ftr:[+--+-+++-], np:3, ch:0, co:0)

```
                S
              .   .
          Janet ···· herself
            :          :
         Janet_a     herself_a
            :        ↗
         Janet_b
```

Chaining	
Janet	**herself**
Janet$_a$	herself$_a$
Janet$_b$^herself$_a$	

Interpretations
Janet$_b$^herself$_a$

(10.3) Janet saw her.

(10.3) Janet saw her.

```
              S
          ╱   │   ╲
      Janet ───── her
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Janet	−	−	−	+	−	+	+	−	−
her	+	−	−	+	−	+	+	−	?

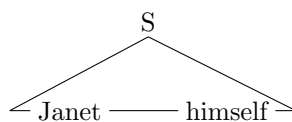| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:Janet, ftr:[---+-++--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_b, pr:0, su:3, nu:2)
2a	(E, sub:A, ftr:[---+-++--], np:2, ch:0, co:2_b)
2b	(E, sub:B, ftr:[---+-++--], np:2, ch:3_a, co:0)
3	(N, lit:her, ftr:[+--+-++-?], up:1, dn:0, lt:2, rt:0, th:0, np:3, ch:0, co:3_a, ec:3_a, pr:2, su:0, nu:3)
3a	(E, sub:A, ftr:[+--+-++-?], np:3, ch:0, co:0)

```
              S
          ⋰   ⋱
      Janet ⋯⋯⋯ her
        ⋮           ⋮
     Janet_a     her_a
        ⋮        ↗
     Janet_b
```
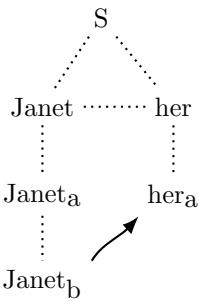
Chaining	
Janet	**her**
$Janet_a$	her_a
$Janet_b$^her_a	

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Interpretations
Janet$_b$^her$_a$

(10.4) *Janet saw himself.

(10.4) *Janet saw himself.

S

Janet ——— himself

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Janet	−	−	−	+	−	+	+	−	−
himself	+	−	−	+	−	−	+	+	−

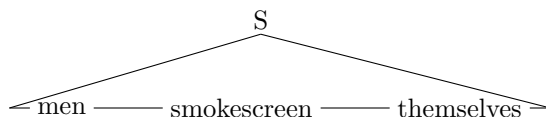| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:Janet, ftr:[---+-++--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_a, pr:0, su:3, nu:2)
2_a	(E, sub:A, ftr:[---+-++--], np:2, ch:0, co:0)
3	(N, lit:himself, ftr:[+--+--++-], up:1, dn:0, lt:2, rt:0, th:0, np:3, ch:0, co:3_a, ec:3_a, pr:2, su:0, nu:3)
3_a	(E, sub:A, ftr:[+--+--++-], np:3, ch:0, co:0)

S

Janet ········ himself

$Janet_a$ $himself_a$

Chaining	
Janet	**himself**
$Janet_a$	$himself_a$

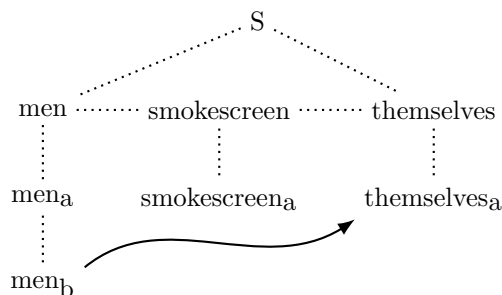| Interpretations |
|---|
| NONE |

(10.5) The men threw a smokescreen around themselves.

(10.5) The men threw a smokescreen around themselves.

S

men ——— smokescreen ——— themselves

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
men	−	−	−	+	+	−	+	−	−
smokescreen	−	−	−	+	−	?	−	−	−
themselves	+	−	−	+	+	?	?	+	−

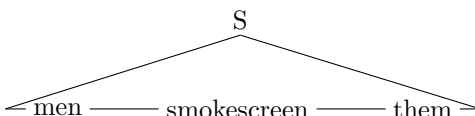| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:men, ftr:[---++-+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_b, pr:0, su:3, nu:2)
2_a	(E, sub:A, ftr:[---++-+--], np:2, ch:0, co:2_b)
2_b	(E, sub:B, ftr:[---++-+--], np:2, ch:4_a, co:0)
3	(N, lit:smokescreen, ftr:[---+-?---], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_a, pr:2, su:4, nu:3)
3_a	(E, sub:A, ftr:[---+-?---], np:3, ch:0, co:0)
4	(N, lit:themselves, ftr:[+--++??+-], up:1, dn:0, lt:3, rt:0, th:0, np:4, ch:0, co:4_a, ec:4_a, pr:3, su:0, nu:4)
4_a	(E, sub:A, ftr:[+--++??+-], np:4, ch:0, co:0)

S

men ········ smokescreen ········ themselves

men_a $smokescreen_a$ $themselves_a$

men_b

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Chaining		
men	**smokescreen**	**themselves**
men_a	$smokescreen_a$	$themselves_a$
$men_b{}^\wedge themselves_a$		

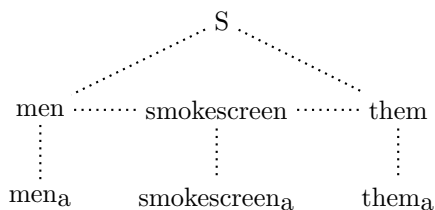| Interpretations |
|---|
| $men_b{}^\wedge themselves_a$ |

(10.6) The men found a smokescreen around them.

(10.6) The men found a smokescreen around them.

S
men ——— smokescreen ——— them

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
men	–	–	–	+	+	–	+	–	–
smokescreen	–	–	–	+	–	?	–	–	–
them	+	–	–	+	+	?	?	–	–

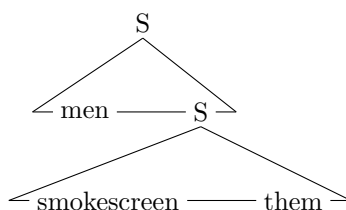| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:men, ftr:[---++-+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2$_a$, ec:2$_a$, pr:0, su:3, nu:2)
2$_a$	(E, sub:A, ftr:[---++-+--], np:2, ch:0, co:0)
3	(N, lit:smokescreen, ftr:[---+-?---], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3$_a$, ec:3$_a$, pr:2, su:4, nu:3)
3$_a$	(E, sub:A, ftr:[---+-?---], np:3, ch:0, co:0)
4	(N, lit:them, ftr:[+--++??--], up:1, dn:0, lt:3, rt:0, th:0, np:4, ch:0, co:4$_a$, ec:4$_a$, pr:3, su:0, nu:4)
4$_a$	(E, sub:A, ftr:[+--++??--], np:4, ch:0, co:0)

S
men ········ smokescreen ········ them
men$_a$ smokescreen$_a$ them$_a$

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Chaining		
men	**smokescreen**	**them**
men$_a$	smokescreen$_a$	them$_a$

Interpretations
NONE

(10.7) The men found a smokescreen to be around them.

(10.7) The men found a smokescreen to be around them.

```
                    S
          ⟋⎺⎺⎺⎺⎺⎺⎺⎺⎺⎺⎺⎺⎺⎺⎺⎺⎺⎺⎺⎺⟍
        ⟋ men ——— S ⟍
              ⟋⎺⎺⎺⎺⎺⎺⎺⎺⎺⎺⎺⎺⎺⎺⎺⎺⎺⎺⟍
            ⟋ smokescreen ——— them ⟍
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
men	−	−	−	+	+	−	+	−	−
smokescreen	−	−	−	+	−	?	−	−	−
them	+	−	−	+	+	?	?	−	−

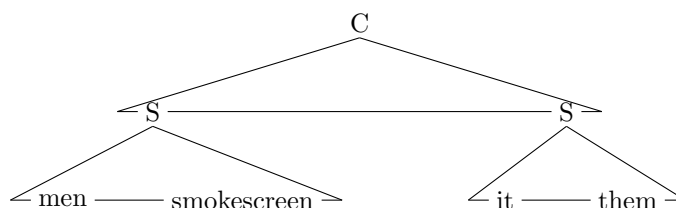|	Nodes
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:men, ftr:[---++-+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2$_a$, ec:2$_b$, pr:0, su:4, nu:2)
2$_a$	(E, sub:A, ftr:[---++-+--], np:2, ch:0, co:2$_b$)
2$_b$	(E, sub:B, ftr:[---++-+--], np:2, ch:5$_a$, co:0)
3	(S, up:1, dn:4, lt:2, rt:0, th:4, nu:3)
4	(N, lit:smokescreen, ftr:[---+-?---], up:3, dn:0, lt:0, rt:5, th:5, np:4, ch:0, co:4$_a$, ec:4$_a$, pr:2, su:5, nu:4)
4$_a$	(E, sub:A, ftr:[---+-?---], np:4, ch:0, co:0)
5	(N, lit:them, ftr:[+--++??--], up:3, dn:0, lt:4, rt:0, th:0, np:5, ch:0, co:5$_a$, ec:5$_a$, pr:4, su:0, nu:5)
5$_a$	(E, sub:A, ftr:[+--++??--], np:5, ch:0, co:0)
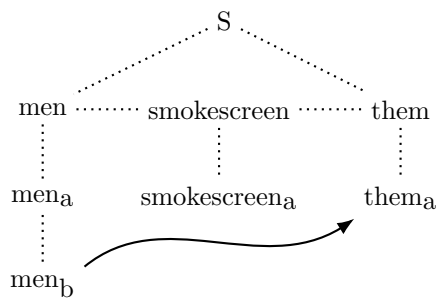
Chaining

men	smokescreen	them
men_a	$smokescreen_a$	$them_a$
$men_b\hat{}them_a$		

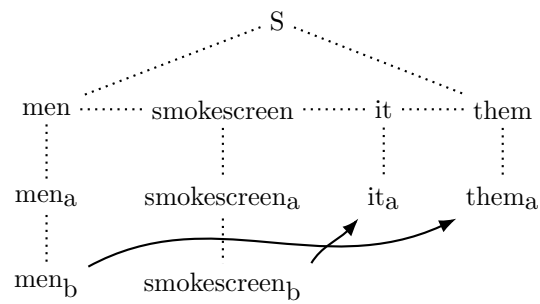| Interpretations |
|---|
| $men_b\hat{}them_a$ |

(10.8) The men found a smokescreen and it was around them.

(10.8) The men found a smokescreen and it was around them.

```
                              C
                ╱──────────────────────────╲
            ╱ S ╲                        ╱ S ╲
         ╱─────────────╲              ╱──────────╲
      ╱men╲──smokescreen╲          ╱it╲──them╲
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
men	−	−	−	+	+	−	+	−	−
smokescreen	−	−	−	+	−	?	−	−	−
it	+	−	−	+	−	?	−	−	−
them	+	−	−	+	+	?	?	−	−

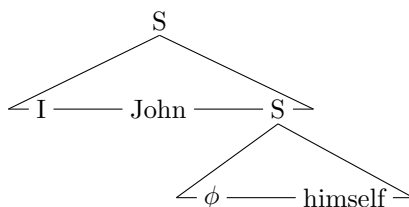| Nodes	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:men, ftr:[---++-+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3$_a$, ec:3$_b$, pr:0, su:4, nu:3)
3$_a$	(E, sub:A, ftr:[---++-+--], np:3, ch:0, co:3$_b$)
3$_b$	(E, sub:B, ftr:[---++-+--], np:3, ch:7$_a$, co:0)
4	(N, lit:smokescreen, ftr:[---+-?---], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4$_a$, ec:4$_b$, pr:3, su:6, nu:4)
4$_a$	(E, sub:A, ftr:[---+-?---], np:4, ch:0, co:4$_b$)
4$_b$	(E, sub:B, ftr:[---+-?---], np:4, ch:6$_a$, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(N, lit:it, ftr:[+--+-?---], up:5, dn:0, lt:0, rt:7, th:7, np:6, ch:0, co:6$_a$, ec:6$_a$, pr:4, su:7, nu:6)
6$_a$	(E, sub:A, ftr:[+--+-?---], np:6, ch:0, co:0)
7	(N, lit:them, ftr:[+--++??--], up:5, dn:0, lt:6, rt:0, th:0, np:7, ch:0, co:7$_a$, ec:7$_a$, pr:6, su:0, nu:7)
7$_a$	(E, sub:A, ftr:[+--++??--], np:7, ch:0, co:0)

S

men ········ smokescreen ········ it ········ them

men_a $smokescreen_a$ it_a $them_a$

men_b $smokescreen_b$

Chaining			
men	**smokescreen**	**it**	**them**
men_a	$smokescreen_a$	it_a	$them_a$
$men_b{}^\wedge them_a$	$smokescreen_b{}^\wedge it_a$		

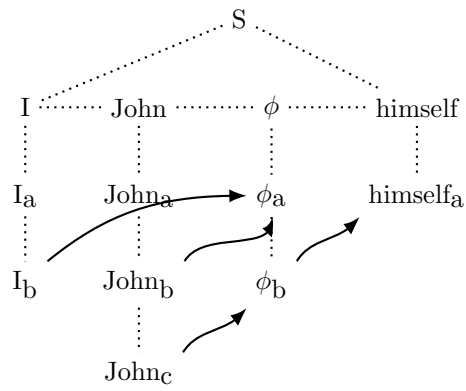| Interpretations |
|---|
| $smokescreen_b{}^\wedge it_a$ $men_b{}^\wedge them_a$ |

(10.9) I told John to protect himself.

(10.9) I told John to protect himself.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I	+	+	−	−	−	?	+	−	−
John	−	−	−	+	−	−	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
himself	+	−	−	+	−	−	+	+	−

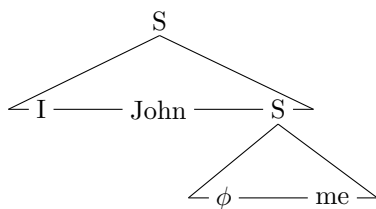| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:I, ftr:[++---?+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_b, pr:0, su:3, nu:2)
2_a	(E, sub:A, ftr:[++---?+--], np:2, ch:0, co:2_b)
2_b	(E, sub:B, ftr:[++---?+--], np:2, ch:5_a, co:0)
3	(N, lit:John, ftr:[---+--+--], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_c, pr:2, su:5, nu:3)
3_a	(E, sub:A, ftr:[---+--+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[---+--+--], np:3, ch:5_a, co:3_c)
3_c	(E, sub:C, ftr:[---+--+--], np:3, ch:5_b, co:0)
4	(S, up:1, dn:5, lt:3, rt:0, th:5, nu:4)
5	(N, lit:ϕ, ftr:[+??????--], up:4, dn:0, lt:0, rt:6, th:6, np:5, ch:0, co:5_a, ec:5_b, pr:3, su:6, nu:5)
5_a	(E, sub:A, ftr:[+??????--], np:5, ch:0, co:5_b)
5_b	(E, sub:B, ftr:[+--+--+--], np:5, ch:6_a, co:0)
6	(N, lit:himself, ftr:[+--+--++-], up:4, dn:0, lt:5, rt:0, th:0, np:6, ch:0, co:6_a, ec:6_a, pr:5, su:0, nu:6)
6_a	(E, sub:A, ftr:[+--+--++-], np:6, ch:0, co:0)

	Chaining		
I	**John**	ϕ	**himself**
I_a	$John_a$	ϕ_a	$himself_a$
$I_b{}^{\wedge}\phi_a$	$John_b{}^{\wedge}\phi_a$	$\phi_b{}^{\wedge}himself_a$	
	$John_c{}^{\wedge}\phi_b$		

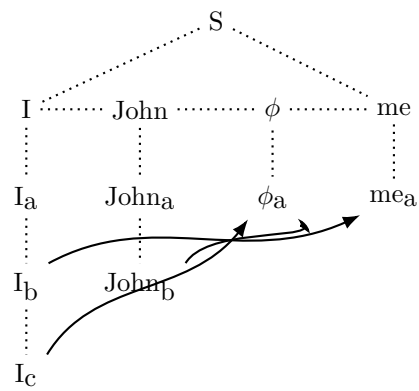| Interpretations |
|---|
| $John_c{}^{\wedge}\phi_b{}^{\wedge}himself_a$ |

(10.10) I told John to protect me.

(10.10) I told John to protect me.

```
                           S
                  ╱────────┴────────╲
               ⟨I ──── John ──── S⟩
                              ╱────┴────╲
                           ⟨φ ──── me⟩
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I	+	+	−	−	−	?	+	−	−
John	−	−	−	+	−	−	+	−	−
φ	+	?	?	?	?	?	?	−	−
me	+	+	−	−	−	?	+	−	−

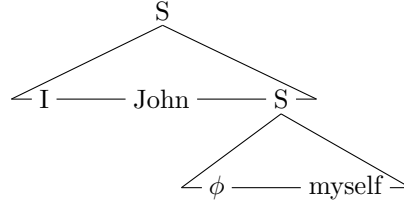|	Nodes
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:I, ftr:[++---?+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_c, pr:0, su:3, nu:2)
2_a	(E, sub:A, ftr:[++---?+--], np:2, ch:0, co:2_b)
2_b	(E, sub:B, ftr:[++---?+--], np:2, ch:6_a, co:2_c)
2_c	(E, sub:C, ftr:[++---?+--], np:2, ch:5_a, co:0)
3	(N, lit:John, ftr:[---+--+--], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b, pr:2, su:5, nu:3)
3_a	(E, sub:A, ftr:[---+--+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[---+--+--], np:3, ch:5_a, co:0)
4	(S, up:1, dn:5, lt:3, rt:0, th:5, nu:4)
5	(N, lit:φ, ftr:[+??????--], up:4, dn:0, lt:0, rt:6, th:6, np:5, ch:0, co:5_a, ec:5_a, pr:3, su:6, nu:5)
5_a	(E, sub:A, ftr:[+??????--], np:5, ch:0, co:0)
6	(N, lit:me, ftr:[++---?+--], up:4, dn:0, lt:5, rt:0, th:0, np:6, ch:0, co:6_a, ec:6_a, pr:5, su:0, nu:6)
6_a	(E, sub:A, ftr:[++---?+--], np:6, ch:0, co:0)

S

I ·········· John ·········· ϕ ·········· me

I_a $John_a$ ϕ_a me_a

I_b $John_b$

I_c

Chaining			
I	**John**	ϕ	**me**
I_a	$John_a$	ϕ_a	me_a
$I_b{}^{\wedge}me_a$	$John_b{}^{\wedge}\phi_a$		
$I_c{}^{\wedge}\phi_a$			

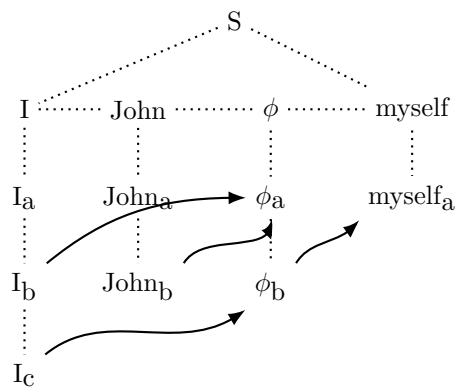| Interpretations |
|---|
| $John_b{}^{\wedge}\phi_a$ |
| $I_b{}^{\wedge}me_a$ $John_b{}^{\wedge}\phi_a$ |
| $I_c{}^{\wedge}\phi_a$ |

(10.11) I told John to protect myself.

(10.11) I told John to protect myself.

	Features								
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I	+	+	−	−	−	?	+	−	−
John	−	−	−	+	−	−	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
myself	+	+	−	−	−	?	+	+	−

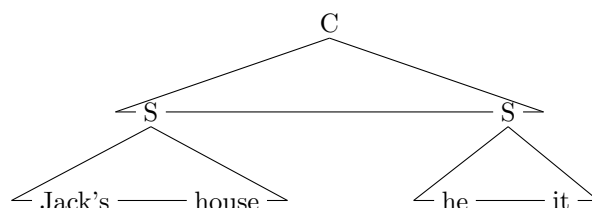|	Nodes
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:I, ftr:[++---?+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2$_a$, ec:2$_c$, pr:0, su:3, nu:2)
2$_a$	(E, sub:A, ftr:[++---?+--], np:2, ch:0, co:2$_b$)
2$_b$	(E, sub:B, ftr:[++---?+--], np:2, ch:5$_a$, co:2$_c$)
2$_c$	(E, sub:C, ftr:[++---?+--], np:2, ch:5$_b$, co:0)
3	(N, lit:John, ftr:[---+--+--], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3$_a$, ec:3$_b$, pr:2, su:5, nu:3)
3$_a$	(E, sub:A, ftr:[---+--+--], np:3, ch:0, co:3$_b$)
3$_b$	(E, sub:B, ftr:[---+--+--], np:3, ch:5$_a$, co:0)
4	(S, up:1, dn:5, lt:3, rt:0, th:5, nu:4)
5	(N, lit:ϕ, ftr:[+??????--], up:4, dn:0, lt:0, rt:6, th:6, np:5, ch:0, co:5$_a$, ec:5$_b$, pr:3, su:6, nu:5)
5$_a$	(E, sub:A, ftr:[+??????--], np:5, ch:0, co:5$_b$)
5$_b$	(E, sub:B, ftr:[++---?+--], np:5, ch:6$_a$, co:0)
6	(N, lit:myself, ftr:[++---?++-], up:4, dn:0, lt:5, rt:0, th:0, np:6, ch:0, co:6$_a$, ec:6$_a$, pr:5, su:0, nu:6)
6$_a$	(E, sub:A, ftr:[++---?++-], np:6, ch:0, co:0)

S

I John ϕ myself

I_a $John_a$ ϕ_a $myself_a$

I_b $John_b$ ϕ_b

I_c

Chaining			
I	**John**	ϕ	**myself**
I_a	$John_a$	ϕ_a	$myself_a$
$I_b\char`^\phi_a$	$John_b\char`^\phi_a$	$\phi_b\char`^myself_a$	
$I_c\char`^\phi_b$			

Interpretations
$I_c\char`^\phi_b\char`^myself_a$

(11.12) Jack's house burned down, but he rebuilt it.

(11.12) Jack's house burned down, but he rebuilt it.

```
                          C
              ┌───────────┴───────────┐
             ─S─────────────────────── S─
           ┌──┴──┐                   ┌──┴──┐
        ─Jack's ── house ─         ─he ── it─
```

Features

	PNF	FPF	SPF	TPF	PLF	GNF	ANF	RPF	GEN
Jack's	–	–	–	+	–	–	+	–	+
house	–	–	–	+	–	?	–	–	–
he	+	–	–	+	–	–	+	–	–
it	+	–	–	+	–	?	–	–	–

Nodes

|	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:Jack's, ftr:[---+--+-+], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_a, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[---+--+-+], np:3, ch:0, co:0)
4	(N, lit:house, ftr:[---+-?---], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_b, pr:3, su:6, nu:4)
4_a	(E, sub:A, ftr:[---+-?---], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[---+-?---], np:4, ch:7_a, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(N, lit:he, ftr:[+--+--+--], up:5, dn:0, lt:0, rt:7, th:7, np:6, ch:0, co:6_a, ec:6_a, pr:4, su:7, nu:6)
6_a	(E, sub:A, ftr:[+--+--+--], np:6, ch:0, co:0)
7	(N, lit:it, ftr:[+--+-?---], up:5, dn:0, lt:6, rt:0, th:0, np:7, ch:0, co:7_a, ec:7_a, pr:6, su:0, nu:7)
7_a	(E, sub:A, ftr:[+--+-?---], np:7, ch:0, co:0)

S

Jack's ········· house ········ he ········· it

Jack's$_a$ house$_a$ he$_a$ it$_a$
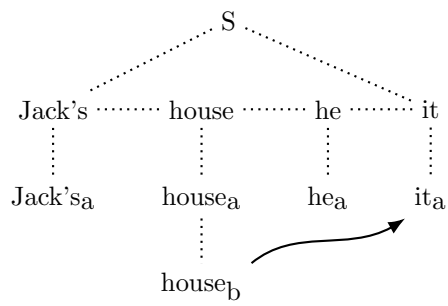
house$_b$

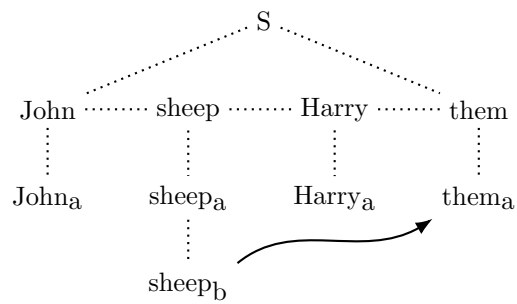| Chaining			
Jack's	**house**	**he**	**it**
Jack's$_a$	house$_a$	he$_a$	it$_a$
	house$_b$^it$_a$		

Interpretations
NONE

(11.26) John owns some sheep and Harry vaccinates them.

(11.26) John owns some sheep and Harry vaccinates them.
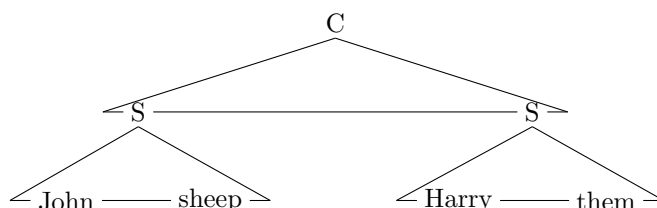
Features

	PNF	FPF	SPF	TPF	PLF	GNF	ANF	RPF	GEN
John	–	–	–	+	–	–	+	–	–
sheep	–	–	–	+	?	?	+	–	–
Harry	–	–	–	+	–	–	+	–	–
them	+	–	–	+	+	?	?	–	–

Nodes

|	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:John, ftr:[---+--+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_a, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[---+--+--], np:3, ch:0, co:0)
4	(N, lit:sheep, ftr:[---+??+--], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_b, pr:3, su:6, nu:4)
4_a	(E, sub:A, ftr:[---+??+--], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[---++?+--], np:4, ch:7_a, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(N, lit:Harry, ftr:[---+--+--], up:5, dn:0, lt:0, rt:7, th:7, np:6, ch:0, co:6_a, ec:6_a, pr:4, su:7, nu:6)
6_a	(E, sub:A, ftr:[---+--+--], np:6, ch:0, co:0)
7	(N, lit:them, ftr:[+--++??--], up:5, dn:0, lt:6, rt:0, th:0, np:7, ch:0, co:7_a, ec:7_a, pr:6, su:0, nu:7)
7_a	(E, sub:A, ftr:[+--++??--], np:7, ch:0, co:0)

```
                        S
         ┌──────────┼──────────┐
       John ···· sheep ···· Harry ···· them
        ┊          ┊           ┊          ┊
      John_a    sheep_a     Harry_a    them_a
                   ┊
                 sheep_b
```

Chaining			
John	**sheep**	**Harry**	**them**
John$_a$	sheep$_a$	Harry$_a$	them$_a$
	sheep$_b$^them$_a$		

Interpretations
sheep$_b$^them$_a$

129

(11.27) Mary danced with many boys and they found her interesting.

(11.27) Mary danced with many boys and they found her interesting.
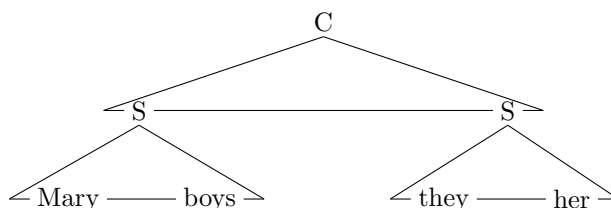
Features								
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Mary	−	−	−	+	−	+	+	−	−
boys	−	−	−	+	+	−	+	−	−
they	+	−	−	+	+	?	+	−	−
her	+	−	−	+	−	+	+	−	?

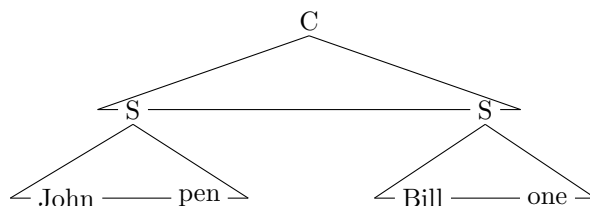| Nodes	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:Mary, ftr:[---+-++--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[---+-++--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[---+-++--], np:3, ch:7_a, co:0)
4	(N, lit:boys, ftr:[---++-+--], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_b, pr:3, su:6, nu:4)
4_a	(E, sub:A, ftr:[---++-+--], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[---++-+--], np:4, ch:6_a, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(N, lit:they, ftr:[+--++?+--], up:5, dn:0, lt:0, rt:7, th:7, np:6, ch:0, co:6_a, ec:6_a, pr:4, su:7, nu:6)
6_a	(E, sub:A, ftr:[+--++?+--], np:6, ch:0, co:0)
7	(N, lit:her, ftr:[+--+-++-?], up:5, dn:0, lt:6, rt:0, th:0, np:7, ch:0, co:7_a, ec:7_a, pr:6, su:0, nu:7)
7_a	(E, sub:A, ftr:[+--+-++-?], np:7, ch:0, co:0)

S

Mary ········ boys ········ they ········ her

$Mary_a$ $boys_a$ $they_a$ her_a

$Mary_b$ $boys_b$
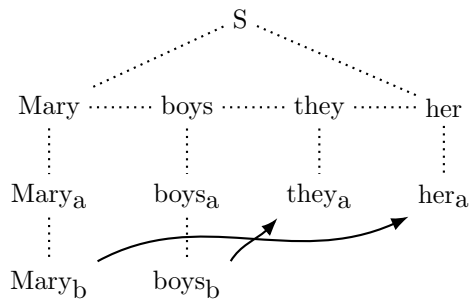
Chaining			
Mary	**boys**	**they**	**her**
$Mary_a$	$boys_a$	$they_a$	her_a
$Mary_b \hat{} her_a$	$boys_b \hat{} they_a$		

Interpretations	
$boys_b \hat{} they_a$	$Mary_b \hat{} her_a$

(11.28) John lost a pen yesterday and Bill found one today.

(11.28) John lost a pen yesterday and Bill found one today.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
John	–	–	–	+	–	–	+	–	–
pen	–	–	–	+	–	?	–	–	–
Bill	–	–	–	+	–	–	+	–	–
one	+	–	–	+	–	?	?	–	–

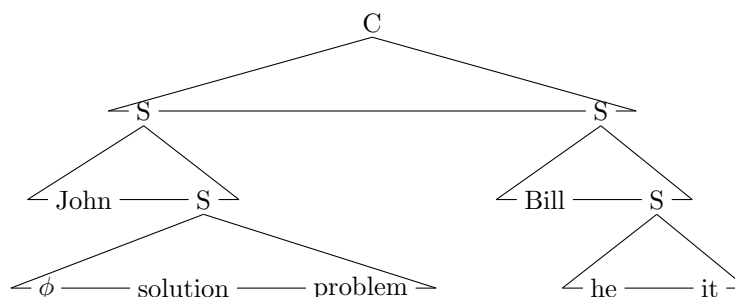| Nodes	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:John, ftr:[---+--+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[---+--+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[---+--+--], np:3, ch:7_a, co:0)
4	(N, lit:pen, ftr:[---+-?---], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_b, pr:3, su:6, nu:4)
4_a	(E, sub:A, ftr:[---+-?---], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[---+-?---], np:4, ch:7_a, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(N, lit:Bill, ftr:[---+--+--], up:5, dn:0, lt:0, rt:7, th:7, np:6, ch:0, co:6_a, ec:6_a, pr:4, su:7, nu:6)
6_a	(E, sub:A, ftr:[---+--+--], np:6, ch:0, co:0)
7	(N, lit:one, ftr:[+--+-??--], up:5, dn:0, lt:6, rt:0, th:0, np:7, ch:0, co:7_a, ec:7_a, pr:6, su:0, nu:7)
7_a	(E, sub:A, ftr:[+--+-??--], np:7, ch:0, co:0)

S

John ········ pen ········ Bill ········ one

$John_a$ pen_a $Bill_a$ one_a

$John_b$ pen_b
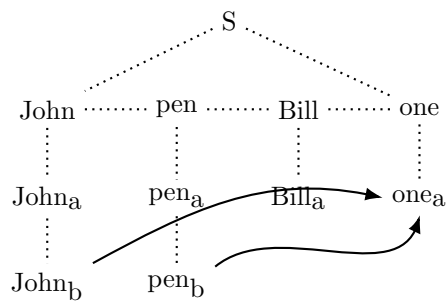
Chaining			
John	**pen**	**Bill**	**one**
$John_a$	pen_a	$Bill_a$	one_a
$John_b{}^\wedge one_a$	$pen_b{}^\wedge one_a$		

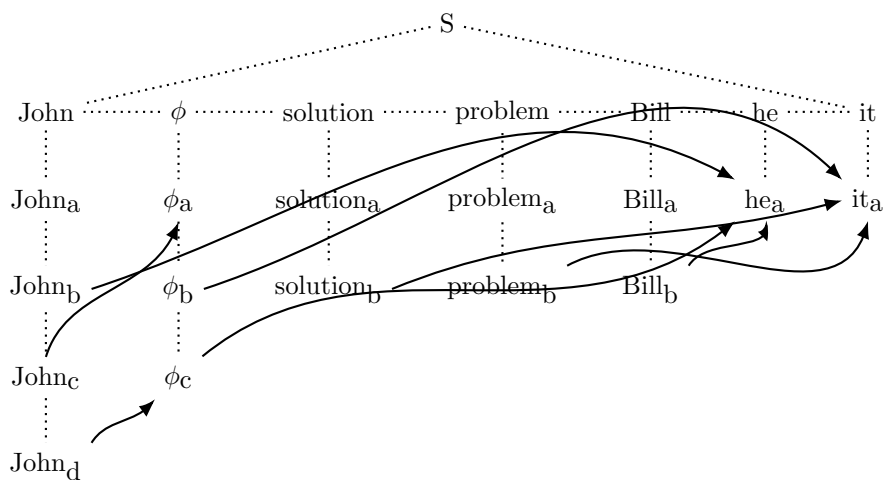| Interpretations |
|---|
| $John_b{}^\wedge one_a$ |
| $pen_b{}^\wedge one_a$ |

(11.29) John claimed to have found the solution to the problem, but Bill was sure he had found it.

(11.29)   John claimed to have found the solution to the problem, but Bill was sure he had found it.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
John	−	−	−	+	−	−	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
solution	−	−	−	+	−	?	−	−	−
problem	−	−	−	+	−	?	−	−	−
Bill	−	−	−	+	−	−	+	−	−
he	+	−	−	+	−	−	+	−	−
it	+	−	−	+	−	?	−	−	−

|	Nodes
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:8, th:3, nu:2)
3	(N, lit:John, ftr:[---+--+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_d, pr:0, su:5, nu:3)
3_a	(E, sub:A, ftr:[---+--+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[---+--+--], np:3, ch:11_a, co:3_c)
3_c	(E, sub:C, ftr:[---+--+--], np:3, ch:5_a, co:3_d)
3_d	(E, sub:D, ftr:[---+--+--], np:3, ch:5_c, co:0)
4	(S, up:2, dn:5, lt:3, rt:0, th:5, nu:4)
5	(N, lit:ϕ, ftr:[+??????--], up:4, dn:0, lt:0, rt:6, th:6, np:5, ch:0, co:5_a, ec:5_c, pr:3, su:6, nu:5)
5_a	(E, sub:A, ftr:[+??????--], np:5, ch:0, co:5_b)
5_b	(E, sub:B, ftr:[+--+-?---], np:5, ch:12_a, co:5_c)
5_c	(E, sub:C, ftr:[+--+--+--], np:5, ch:11_a, co:0)
6	(N, lit:solution, ftr:[---+-?---], up:4, dn:0, lt:5, rt:7, th:7, np:6, ch:0, co:6_a, ec:6_b, pr:5, su:7, nu:6)
6_a	(E, sub:A, ftr:[---+-?---], np:6, ch:0, co:6_b)
6_b	(E, sub:B, ftr:[---+-?---], np:6, ch:12_a, co:0)
7	(N, lit:problem, ftr:[---+-?---], up:4, dn:0, lt:6, rt:0, th:8, np:7, ch:0, co:7_a, ec:7_b, pr:6, su:9, nu:7)
7_a	(E, sub:A, ftr:[---+-?---], np:7, ch:0, co:7_b)
7_b	(E, sub:B, ftr:[---+-?---], np:7, ch:12_a, co:0)
8	(S, up:1, dn:9, lt:2, rt:0, th:9, nu:8)
9	(N, lit:Bill, ftr:[---+--+--], up:8, dn:0, lt:0, rt:10, th:10, np:9, ch:0, co:9_a, ec:9_b, pr:7, su:11, nu:9)
9_a	(E, sub:A, ftr:[---+--+--], np:9, ch:0, co:9_b)
9_b	(E, sub:B, ftr:[---+--+--], np:9, ch:11_a, co:0)
10	(S, up:8, dn:11, lt:9, rt:0, th:11, nu:10)
11	(N, lit:he, ftr:[+--+--+--], up:10, dn:0, lt:0, rt:12, th:12, np:11, ch:0, co:11_a, ec:11_a, pr:9, su:12, nu:11)
11_a	(E, sub:A, ftr:[+--+--+--], np:11, ch:0, co:0)
12	(N, lit:it, ftr:[+--+-?---], up:10, dn:0, lt:11, rt:0, th:0, np:12, ch:0, co:12_a, ec:12_a, pr:11, su:0, nu:12)
12_a	(E, sub:A, ftr:[+--+-?---], np:12, ch:0, co:0)

$$S$$

John ϕ solution problem Bill he it

John_a ϕ_a solution_a problem_a Bill_a he_a it_a

John_b ϕ_b solution_b problem_b Bill_b

John_c ϕ_c

John_d

Chaining						
John	**ϕ**	**solution**	**problem**	**Bill**	**he**	**it**
John_a	ϕ_a	solution_a	problem_a	Bill_a	he_a	it_a
$\text{John}_b\char`^\text{he}_a$	$\phi_b\char`^\text{it}_a$	$\text{solution}_b\char`^\text{it}_a$	$\text{problem}_b\char`^\text{it}_a$	$\text{Bill}_b\char`^\text{he}_a$		
$\text{John}_c\char`^\phi_a$	$\phi_c\char`^\text{he}_a$					
$\text{John}_d\char`^\phi_c$						

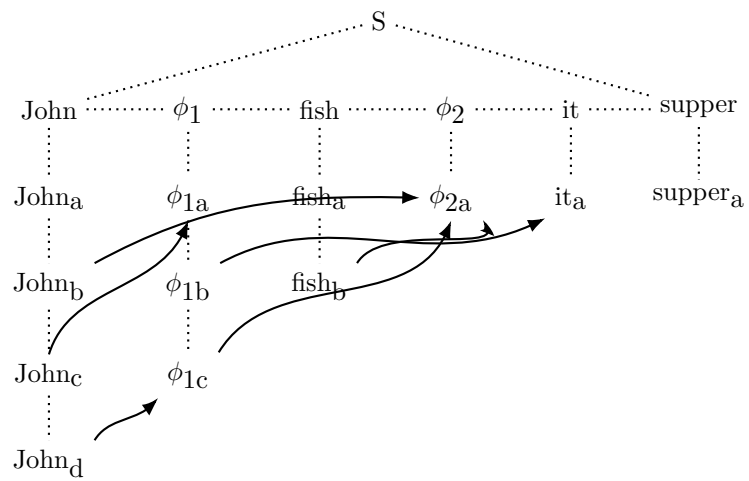| Interpretations		
$\text{John}_c\char`^\phi_a$	$\text{Bill}_b\char`^\text{he}_a$	$\text{solution}_b\char`^\text{it}_a$
$\text{John}_c\char`^\phi_a$	$\text{Bill}_b\char`^\text{he}_a$	$\text{problem}_b\char`^\text{it}_a$
$\text{John}_d\char`^\phi_c\char`^\text{he}_a$		$\text{solution}_b\char`^\text{it}_a$
$\text{John}_d\char`^\phi_c\char`^\text{he}_a$		$\text{problem}_b\char`^\text{it}_a$

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(11.30) John wants to catch a fish and eat it for supper.

(11.30) John wants to catch a fish and eat it for supper.
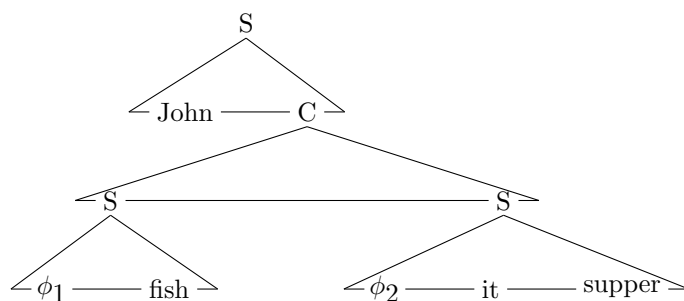
		Features							
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
John	−	−	−	+	−	−	+	−	−
ϕ_1	+	?	?	?	?	?	?	−	−
fish	−	−	−	+	?	?	+	−	−
ϕ_2	+	?	?	?	?	?	?	−	−
it	+	−	−	+	−	?	−	−	−
supper	−	−	−	+	−	?	−	−	−

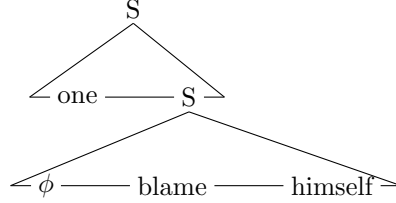|	**Nodes**
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:John, ftr:[---+--+--], up:1, dn:0,
	lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_d,
	pr:0, su:5, nu:2)
2_a	(E, sub:A, ftr:[---+--+--], np:2, ch:0, co:2_b)
2_b	(E, sub:B, ftr:[---+--+--], np:2, ch:8_a, co:2_c)
2_c	(E, sub:C, ftr:[---+--+--], np:2, ch:5_a, co:2_d)
2_d	(E, sub:D, ftr:[---+--+--], np:2, ch:5_c, co:0)
3	(C, up:1, dn:4, lt:2, rt:0, th:4, nu:3)
4	(S, up:3, dn:5, lt:0, rt:7, th:5, nu:4)
5	(N, lit:ϕ_1, ftr:[+??????--], up:4, dn:0,
	lt:0, rt:6, th:6, np:5, ch:0, co:5_a, ec:5_c,
	pr:2, su:6, nu:5)
5_a	(E, sub:A, ftr:[+??????--], np:5, ch:0, co:5_b)
5_b	(E, sub:B, ftr:[+--+-?---], np:5, ch:9_a, co:5_c)
5_c	(E, sub:C, ftr:[+??????--], np:5, ch:8_a, co:0)
6	(N, lit:fish, ftr:[---+??+--], up:4, dn:0,
	lt:5, rt:0, th:7, np:6, ch:0, co:6_a, ec:6_b,
	pr:5, su:8, nu:6)
6_a	(E, sub:A, ftr:[---+??+--], np:6, ch:0, co:6_b)
6_b	(E, sub:B, ftr:[---+??+--], np:6, ch:8_a, co:0)
7	(S, up:3, dn:8, lt:4, rt:0, th:8, nu:7)
8	(N, lit:ϕ_2, ftr:[+??????--], up:7, dn:0,
	lt:0, rt:9, th:9, np:8, ch:0, co:8_a, ec:8_a,
	pr:6, su:9, nu:8)
8_a	(E, sub:A, ftr:[+??????--], np:8, ch:0, co:0)
9	(N, lit:it, ftr:[+--+-?---], up:7, dn:0,
	lt:8, rt:10, th:10, np:9, ch:0, co:9_a, ec:9_a,
	pr:8, su:10, nu:9)
9_a	(E, sub:A, ftr:[+--+-?---], np:9, ch:0, co:0)
10	(N, lit:supper, ftr:[---+-?---], up:7, dn:0,
	lt:9, rt:0, th:0, np:10, ch:0, co:10_a, ec:10_a,
	pr:9, su:0, nu:10)
10_a	(E, sub:A, ftr:[---+-?---], np:10, ch:0, co:0)

Chaining					
John	ϕ_1	**fish**	ϕ_2	**it**	**supper**
John$_a$	ϕ_{1a}	fish$_a$	ϕ_{2a}	it$_a$	supper$_a$
John$_b$^ϕ_{2a}	ϕ_{1b}^it$_a$	fish$_b$^ϕ_{2a}			
John$_c$^ϕ_{1a}	ϕ_{1c}^ϕ_{2a}				
John$_d$^ϕ_{1c}					

Interpretations
NONE

(11.31) No one would put the blame on himself.

(11.31) No one would put the blame on himself.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
one	+	−	−	+	−	?	?	−	−
ϕ	+	?	?	?	?	?	?	−	−
blame	−	−	−	+	−	?	?	−	−
himself	+	−	−	+	−	−	+	+	−

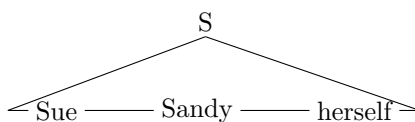| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:one, ftr:[+--+-??--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_c, pr:0, su:4, nu:2)
2_a	(E, sub:A, ftr:[+--+-??--], np:2, ch:0, co:2_b)
2_b	(E, sub:B, ftr:[+--+-??--], np:2, ch:4_a, co:2_c)
2_c	(E, sub:C, ftr:[+--+--+--], np:2, ch:4_b, co:0)
3	(S, up:1, dn:4, lt:2, rt:0, th:4, nu:3)
4	(N, lit:ϕ, ftr:[+??????--], up:3, dn:0, lt:0, rt:5, th:5, np:4, ch:0, co:4_a, ec:4_b, pr:2, su:5, nu:4)
4_a	(E, sub:A, ftr:[+??????--], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[+--+--+--], np:4, ch:6_a, co:0)
5	(N, lit:blame, ftr:[---+-??--], up:3, dn:0, lt:4, rt:6, th:6, np:5, ch:0, co:5_a, ec:5_b, pr:4, su:6, nu:5)
5_a	(E, sub:A, ftr:[---+-??--], np:5, ch:0, co:5_b)
5_b	(E, sub:B, ftr:[---+--+--], np:5, ch:6_a, co:0)
6	(N, lit:himself, ftr:[+--+--++-], up:3, dn:0, lt:5, rt:0, th:0, np:6, ch:0, co:6_a, ec:6_a, pr:5, su:0, nu:6)
6_a	(E, sub:A, ftr:[+--+--++-], np:6, ch:0, co:0)

S

one .... ϕ .... blame .... himself

one$_a$ ϕ_a blame$_a$ himself$_a$

one$_b$ ϕ_b blame$_b$

one$_c$

Chaining			
one	ϕ	**blame**	**himself**
one$_a$	ϕ_a	blame$_a$	himself$_a$
one$_b$ˆϕ_a	ϕ_bˆhimself$_a$	blame$_b$ˆhimself$_a$	
one$_c$ˆϕ_b			

Interpretations
NONE

(11.32) Sue told Sandy about herself.

(11.32) Sue told Sandy about herself.

		Features							
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Sue	−	−	−	+	−	+	+	−	−
Sandy	−	−	−	+	−	+	+	−	−
herself	+	−	−	+	−	+	+	+	−

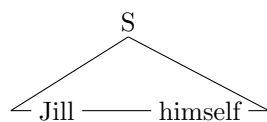|	Nodes
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:Sue, ftr:[---+-++--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2$_a$, ec:2$_b$, pr:0, su:3, nu:2)
2$_a$	(E, sub:A, ftr:[---+-++--], np:2, ch:0, co:2$_b$)
2$_b$	(E, sub:B, ftr:[---+-++--], np:2, ch:4$_a$, co:0)
3	(N, lit:Sandy, ftr:[---+-++--], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3$_a$, ec:3$_b$, pr:2, su:4, nu:3)
3$_a$	(E, sub:A, ftr:[---+-++--], np:3, ch:0, co:3$_b$)
3$_b$	(E, sub:B, ftr:[---+-++--], np:3, ch:4$_a$, co:0)
4	(N, lit:herself, ftr:[+--+-+++-], up:1, dn:0, lt:3, rt:0, th:0, np:4, ch:0, co:4$_a$, ec:4$_a$, pr:3, su:0, nu:4)
4$_a$	(E, sub:A, ftr:[+--+-+++-], np:4, ch:0, co:0)

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Chaining		
Sue	**Sandy**	**herself**
Sue$_a$	Sandy$_a$	herself$_a$
Sue$_b$^herself$_a$	Sandy$_b$^herself$_a$	

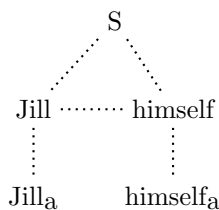| Interpretations |
|---|
| Sue$_b$^herself$_a$ |
| Sandy$_b$^herself$_a$ |

(11.33) *Jill kept talking about himself.

(11.33) *Jill kept talking about himself.

```
                          S
                        /   \
                      /       \
                   Jill ——— himself
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Jill	–	–	–	+	–	+	+	–	–
himself	+	–	–	+	–	–	+	+	–

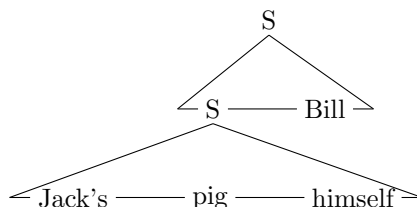|	Nodes
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:Jill, ftr:[---+-++--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2$_a$, ec:2$_a$, pr:0, su:3, nu:2)
2a	(E, sub:A, ftr:[---+-++--], np:2, ch:0, co:0)
3	(N, lit:himself, ftr:[+--+--++-], up:1, dn:0, lt:2, rt:0, th:0, np:3, ch:0, co:3$_a$, ec:3$_a$, pr:2, su:0, nu:3)
3a	(E, sub:A, ftr:[+--+--++-], np:3, ch:0, co:0)

```
                     S
                   / · \
                 / ·     \
             Jill ······· himself
              ⋮              ⋮
              ⋮              ⋮
            Jill_a       himself_a
```

Chaining	
Jill	**himself**
Jill$_a$	himself$_a$

Interpretations
NONE

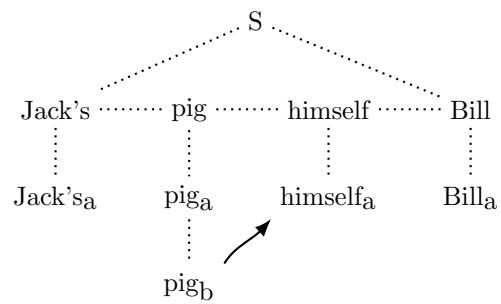## (11.34) Does Jack's making a pig of himself bother Bill?

(11.34) Does Jack's making a pig of himself bother Bill?

```
                        S
                       /|\
                      / | \
                    S ——— Bill
                   /|\
                  / | \
           Jack's —— pig —— himself
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Jack's	−	−	−	+	−	−	+	−	+
pig	−	−	−	+	−	?	+	−	−
himself	+	−	−	+	−	−	+	+	−
Bill	−	−	−	+	−	−	+	−	−

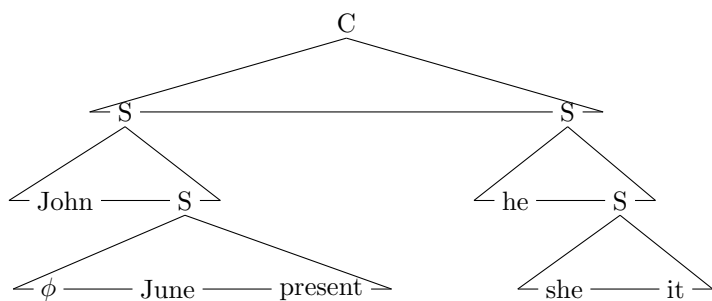|	Nodes
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:6, th:3, nu:2)
3	(N, lit:Jack's, ftr:[---+--+-+], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3$_a$, ec:3$_a$, pr:0, su:4, nu:3)
3a	(E, sub:A, ftr:[---+--+-+], np:3, ch:0, co:0)
4	(N, lit:pig, ftr:[---+-?+--], up:2, dn:0, lt:3, rt:5, th:5, np:4, ch:0, co:4$_a$, ec:4$_b$, pr:3, su:5, nu:4)
4a	(E, sub:A, ftr:[---+-?+--], np:4, ch:0, co:4$_b$)
4b	(E, sub:B, ftr:[---+--+--], np:4, ch:5$_a$, co:0)
5	(N, lit:himself, ftr:[+--+--++-], up:2, dn:0, lt:4, rt:0, th:6, np:5, ch:0, co:5$_a$, ec:5$_a$, pr:4, su:6, nu:5)
5a	(E, sub:A, ftr:[+--+--++-], np:5, ch:0, co:0)
6	(N, lit:Bill, ftr:[---+--+--], up:1, dn:0, lt:2, rt:0, th:0, np:6, ch:0, co:6$_a$, ec:6$_a$, pr:5, su:0, nu:6)
6a	(E, sub:A, ftr:[---+--+--], np:6, ch:0, co:0)

```
                              S
                    ┌─────────┬─────────┬─────────┐
                Jack's ······ pig ······ himself ······ Bill
                   ┆          ┆            ┆            ┆
               Jack's_a     pig_a      himself_a      Bill_a
                              ┆
                            pig_b
```

Chaining			
Jack's	**pig**	**himself**	**Bill**
Jack's$_a$	pig$_a$	himself$_a$	Bill$_a$
	pig$_b$^himself$_a$		

Interpretations
pig$_b$^himself$_a$

(11.35) John wants to give June a present, but he is afraid she won't like it.

(11.35) John wants to give June a present, but he is afraid she won't like it.

C
S — S
John — S he — S
φ — June — present she — it

	PNF	FPF	SPF	TPF	PLF	GNF	ANF	RPF	GEN
John	−	−	−	+	−	−	+	−	−
φ	+	?	?	?	?	?	?	−	−
June	−	−	−	+	−	+	+	−	−
present	−	−	−	+	−	?	−	−	−
he	+	−	−	+	−	−	+	−	−
she	+	−	−	+	−	+	+	−	−
it	+	−	−	+	−	?	−	−	−

Features

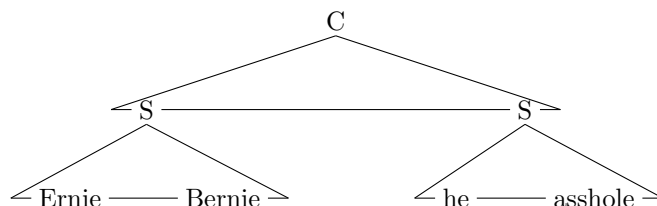|	Nodes
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:8, th:3, nu:2)
3	(N, lit:John, ftr:[---+--+--], up:2, dn:0,
	lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_d,
	pr:0, su:5, nu:3)
3_a	(E, sub:A, ftr:[---+--+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[---+--+--], np:3, ch:9_a, co:3_c)
3_c	(E, sub:C, ftr:[---+--+--], np:3, ch:5_a, co:3_d)
3_d	(E, sub:D, ftr:[---+--+--], np:3, ch:5_d, co:0)
4	(S, up:2, dn:5, lt:3, rt:0, th:5, nu:4)
5	(N, lit:ϕ, ftr:[+??????--], up:4, dn:0,
	lt:0, rt:6, th:6, np:5, ch:0, co:5_a, ec:5_d,
	pr:3, su:6, nu:5)
5_a	(E, sub:A, ftr:[+??????--], np:5, ch:0, co:5_b)
5_b	(E, sub:B, ftr:[+--+-?---], np:5, ch:12_a, co:5_c)
5_c	(E, sub:C, ftr:[+--+-++--], np:5, ch:11_a, co:5_d)
5_d	(E, sub:D, ftr:[+--+--+--], np:5, ch:9_a, co:0)
6	(N, lit:June, ftr:[---+-++--], up:4, dn:0,
	lt:5, rt:7, th:7, np:6, ch:0, co:6_a, ec:6_b,
	pr:5, su:7, nu:6)
6_a	(E, sub:A, ftr:[---+-++--], np:6, ch:0, co:6_b)
6_b	(E, sub:B, ftr:[---+-++--], np:6, ch:11_a, co:0)
7	(N, lit:present, ftr:[---+-?---], up:4, dn:0,
	lt:6, rt:0, th:8, np:7, ch:0, co:7_a, ec:7_b,
	pr:6, su:9, nu:7)
7_a	(E, sub:A, ftr:[---+-?---], np:7, ch:0, co:7_b)
7_b	(E, sub:B, ftr:[---+-?---], np:7, ch:12_a, co:0)
8	(S, up:1, dn:9, lt:2, rt:0, th:9, nu:8)
9	(N, lit:he, ftr:[+--+--+--], up:8, dn:0,
	lt:0, rt:10, th:10, np:9, ch:0, co:9_a, ec:9_a,
	pr:7, su:11, nu:9)
9_a	(E, sub:A, ftr:[+--+--+--], np:9, ch:0, co:0)
10	(S, up:8, dn:11, lt:9, rt:0, th:11, nu:10)
11	(N, lit:she, ftr:[+--+-++--], up:10, dn:0,
	lt:0, rt:12, th:12, np:11, ch:0, co:11_a, ec:11_a,
	pr:9, su:12, nu:11)
11_a	(E, sub:A, ftr:[+--+-++--], np:11, ch:0, co:0)
12	(N, lit:it, ftr:[+--+-?---], up:10, dn:0,
	lt:11, rt:0, th:0, np:12, ch:0, co:12_a, ec:12_a,
	pr:11, su:0, nu:12)
12_a	(E, sub:A, ftr:[+--+-?---], np:12, ch:0, co:0)

S

John .... ϕ .... June .... present .... he .... she .... it

John$_a$ ϕ_a June$_a$ present$_a$ he$_a$ she$_a$ it$_a$

John$_b$ ϕ_b June$_b$ present$_b$

John$_c$ ϕ_c

John$_d$ ⟶ ϕ_d

Chaining						
John	**ϕ**	**June**	**present**	**he**	**she**	**it**
John$_a$	ϕ_a	June$_a$	present$_a$	he$_a$	she$_a$	it$_a$
John$_b$^he$_a$	ϕ_b^it$_a$	June$_b$^she$_a$	present$_b$^it$_a$			
John$_c$^ϕ_a	ϕ_c^she$_a$					
John$_d$^ϕ_d	ϕ_d^he$_a$					

Interpretations		
John$_d$^ϕ_d^he$_a$	June$_b$^she$_a$	present$_b$^it$_a$

(11.36) Ernie doesn't like Bernie, because he is such an asshole.

(11.36) Ernie doesn't like Bernie, because he is such an asshole.

```
                              C
               ┌──────────────┴──────────────┐
          ╱─ S ──────────────────────── S ─╲
        ╱   ╱  ╲                      ╱   ╲  ╲
      ╱ Ernie ─── Bernie ╲         ╱ he ─── asshole ╲
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Ernie	−	−	−	+	−	−	+	−	−
Bernie	−	−	−	+	−	−	+	−	−
he	+	−	−	+	−	−	+	−	−
asshole	−	−	−	+	−	?	+	−	−

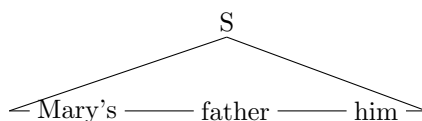| Nodes	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:Ernie, ftr:[---+--+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[---+--+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[---+--+--], np:3, ch:6_a, co:0)
4	(N, lit:Bernie, ftr:[---+--+--], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_b, pr:3, su:6, nu:4)
4_a	(E, sub:A, ftr:[---+--+--], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[---+--+--], np:4, ch:6_a, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(N, lit:he, ftr:[+--+--+--], up:5, dn:0, lt:0, rt:7, th:7, np:6, ch:0, co:6_a, ec:6_a, pr:4, su:7, nu:6)
6_a	(E, sub:A, ftr:[+--+--+--], np:6, ch:0, co:0)
7	(N, lit:asshole, ftr:[---+-?+--], up:5, dn:0, lt:6, rt:0, th:0, np:7, ch:0, co:7_a, ec:7_a, pr:6, su:0, nu:7)
7_a	(E, sub:A, ftr:[---+-?+--], np:7, ch:0, co:0)

```
                              S
                 ┌·········┬········┬·········┐
              Ernie ····· Bernie ····· he ····· asshole
                 ┊          ┊         ┊          ┊
             Ernie_a     Bernie_a ──▶ he_a    asshole_a
                 ┊          ┊         ┊          ┊
             Ernie_b     Bernie_b
```
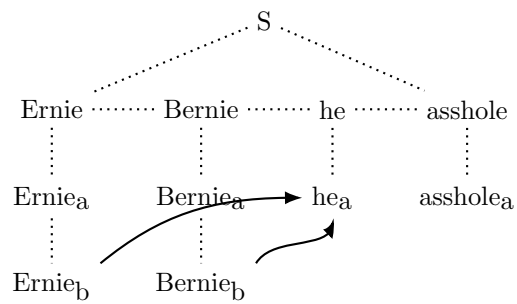
Chaining			
Ernie	**Bernie**	**he**	**asshole**
Ernie$_a$	Bernie$_a$	he$_a$	asshole$_a$
Ernie$_b$^he$_a$	Bernie$_b$^he$_a$		

Interpretations
Ernie$_b$^he$_a$
Bernie$_b$^he$_a$

(12.2) Mary's father killed himself.

(12.2) Mary's father killed himself.

S

Mary's ——— father ——— himself
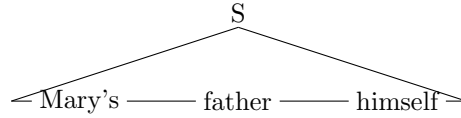
Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Mary's	–	–	–	+	–	+	+	–	+
father	–	–	–	+	–	–	+	–	–
himself	+	–	–	+	–	–	+	+	–

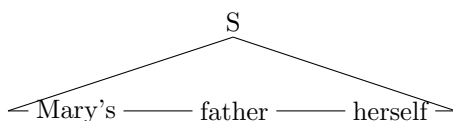| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:Mary's, ftr:[---+-++-+], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2$_a$, ec:2$_a$, pr:0, su:3, nu:2)
2$_a$	(E, sub:A, ftr:[---+-++-+], np:2, ch:0, co:0)
3	(N, lit:father, ftr:[---+--+--], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3$_a$, ec:3$_b$, pr:2, su:4, nu:3)
3$_a$	(E, sub:A, ftr:[---+--+--], np:3, ch:0, co:3$_b$)
3$_b$	(E, sub:B, ftr:[---+--+--], np:3, ch:4$_a$, co:0)
4	(N, lit:himself, ftr:[+--+--++-], up:1, dn:0, lt:3, rt:0, th:0, np:4, ch:0, co:4$_a$, ec:4$_a$, pr:3, su:0, nu:4)
4$_a$	(E, sub:A, ftr:[+--+--++-], np:4, ch:0, co:0)

S

Mary's ········ father ········ himself

Mary's$_a$ father$_a$ himself$_a$

father$_b$

Chaining		
Mary's	**father**	**himself**
Mary's$_a$	father$_a$	himself$_a$
	father$_b$^himself$_a$	

Interpretations
father$_b$^himself$_a$

(12.3) *Mary's father killed him.

(12.3) *Mary's father killed him.

```
              S
         ╱         ╲
  ⟨ Mary's ——— father ——— him ⟩
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Mary's	−	−	−	+	−	+	+	−	+
father	−	−	−	+	−	−	+	−	−
him	+	−	−	+	−	−	+	−	−

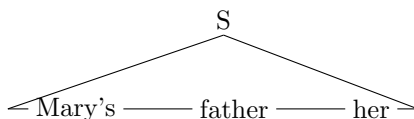|	Nodes
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:Mary's, ftr:[---+-++-+], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2$_a$, ec:2$_a$, pr:0, su:3, nu:2)
2a	(E, sub:A, ftr:[---+-++-+], np:2, ch:0, co:0)
3	(N, lit:father, ftr:[---+--+--], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3$_a$, ec:3$_a$, pr:2, su:4, nu:3)
3a	(E, sub:A, ftr:[---+--+--], np:3, ch:0, co:0)
4	(N, lit:him, ftr:[+--+--+--], up:1, dn:0, lt:3, rt:0, th:0, np:4, ch:0, co:4$_a$, ec:4$_a$, pr:3, su:0, nu:4)
4a	(E, sub:A, ftr:[+--+--+--], np:4, ch:0, co:0)

```
                 S
            ╱    ┊    ╲
     Mary's ┈┈ father ┈┈ him
       ┊         ┊        ┊
    Mary's_a  father_a  him_a
```

Chaining		
Mary's	**father**	**him**
Mary's$_a$	father$_a$	him$_a$

154

Interpretations
NONE

(12.4) *Mary's father killed herself.

(12.4) *Mary's father killed herself.

S
Mary's —— father —— herself

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Mary's	–	–	–	+	–	+	+	–	+
father	–	–	–	+	–	–	+	–	–
herself	+	–	–	+	–	+	+	+	–

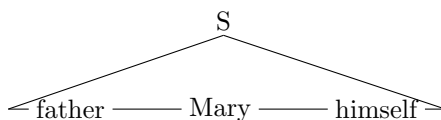| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:Mary's, ftr:[---+-++-+], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_a, pr:0, su:3, nu:2)
2_a	(E, sub:A, ftr:[---+-++-+], np:2, ch:0, co:0)
3	(N, lit:father, ftr:[---+--+--], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_a, pr:2, su:4, nu:3)
3_a	(E, sub:A, ftr:[---+--+--], np:3, ch:0, co:0)
4	(N, lit:herself, ftr:[+--+-+++-], up:1, dn:0, lt:3, rt:0, th:0, np:4, ch:0, co:4_a, ec:4_a, pr:3, su:0, nu:4)
4_a	(E, sub:A, ftr:[+--+-+++-], np:4, ch:0, co:0)

S
Mary's ········ father ········ herself
Mary's$_a$ father$_a$ herself$_a$

Chaining		
Mary's	**father**	**herself**
Mary's$_a$	father$_a$	herself$_a$

156

Interpretations
NONE

(12.5) Mary's father killed her.

(12.5) Mary's father killed her.

```
              S
        ╱           ╲
  ⟨ Mary's ──── father ──── her ⟩
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Mary's	−	−	−	+	−	+	+	−	+
father	−	−	−	+	−	−	+	−	−
her	+	−	−	+	−	+	+	−	?

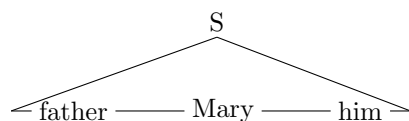|	Nodes
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:Mary's, ftr:[---+-++-+], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2$_a$, ec:2$_a$, pr:0, su:3, nu:2)
2a	(E, sub:A, ftr:[---+-++-+], np:2, ch:0, co:0)
3	(N, lit:father, ftr:[---+--+--], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3$_a$, ec:3$_a$, pr:2, su:4, nu:3)
3a	(E, sub:A, ftr:[---+--+--], np:3, ch:0, co:0)
4	(N, lit:her, ftr:[+--+-++-?], up:1, dn:0, lt:3, rt:0, th:0, np:4, ch:0, co:4$_a$, ec:4$_a$, pr:3, su:0, nu:4)
4a	(E, sub:A, ftr:[+--+-++-?], np:4, ch:0, co:0)

```
              S
        ╱      |      ╲
  Mary's ····· father ····· her
     :           :           :
  Mary's_a    father_a     her_a
```

Chaining		
Mary's	**father**	**her**
Mary's$_a$	father$_a$	her$_a$

158

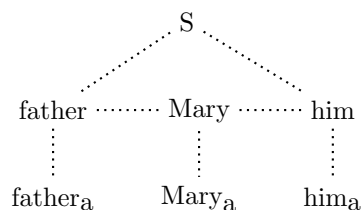| Interpretations |
|-----------------|
| NONE |

(12.6) The father of Mary killed himself.

(12.6) The father of Mary killed himself.

Features								
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
father	–	–	–	+	–	–	+	–	–
Mary	–	–	–	+	–	+	+	–	–
himself	+	–	–	+	–	–	+	+	–

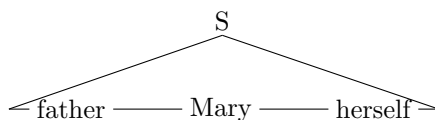| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:father, ftr:[---+--+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2$_a$, ec:2$_b$, pr:0, su:3, nu:2)
2$_a$	(E, sub:A, ftr:[---+--+--], np:2, ch:0, co:2$_b$)
2$_b$	(E, sub:B, ftr:[---+--+--], np:2, ch:4$_a$, co:0)
3	(N, lit:Mary, ftr:[---+-++--], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3$_a$, ec:3$_a$, pr:2, su:4, nu:3)
3$_a$	(E, sub:A, ftr:[---+-++--], np:3, ch:0, co:0)
4	(N, lit:himself, ftr:[+--+--++-], up:1, dn:0, lt:3, rt:0, th:0, np:4, ch:0, co:4$_a$, ec:4$_a$, pr:3, su:0, nu:4)
4$_a$	(E, sub:A, ftr:[+--+--++-], np:4, ch:0, co:0)

Chaining		
father	**Mary**	**himself**
$father_a$	$Mary_a$	$himself_a$
$father_b{}^\wedge himself_a$		

Interpretations
$father_b{}^\wedge himself_a$

(12.7) *The father of Mary killed him.

(12.7) *The father of Mary killed him.

S

father ——— Mary ——— him

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
father	–	–	–	+	–	–	+	–	–
Mary	–	–	–	+	–	+	+	–	–
him	+	–	–	+	–	–	+	–	–

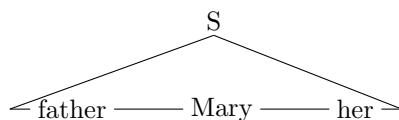|	Nodes
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:father, ftr:[---+--+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2$_a$, ec:2$_a$, pr:0, su:3, nu:2)
2a	(E, sub:A, ftr:[---+--+--], np:2, ch:0, co:0)
3	(N, lit:Mary, ftr:[---+-++--], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3$_a$, ec:3$_a$, pr:2, su:4, nu:3)
3a	(E, sub:A, ftr:[---+-++--], np:3, ch:0, co:0)
4	(N, lit:him, ftr:[+--+--+--], up:1, dn:0, lt:3, rt:0, th:0, np:4, ch:0, co:4$_a$, ec:4$_a$, pr:3, su:0, nu:4)
4a	(E, sub:A, ftr:[+--+--+--], np:4, ch:0, co:0)

S

father ········ Mary ········ him

father$_a$ Mary$_a$ him$_a$

Chaining		
father	**Mary**	**him**
father$_a$	Mary$_a$	him$_a$

Interpretations
NONE

(12.8) *The father of Mary killed herself.

(12.8) *The father of Mary killed herself.

S
father ——— Mary ——— herself

Features								
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
father	–	–	–	+	–	–	+	–	–
Mary	–	–	–	+	–	+	+	–	–
herself	+	–	–	+	–	+	+	+	–

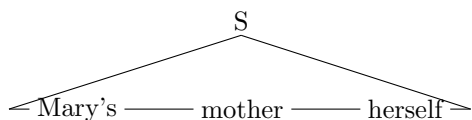| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:father, ftr:[---+--+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_a, pr:0, su:3, nu:2)
2_a	(E, sub:A, ftr:[---+--+--], np:2, ch:0, co:0)
3	(N, lit:Mary, ftr:[---+-++--], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b, pr:2, su:4, nu:3)
3_a	(E, sub:A, ftr:[---+-++--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[---+-++--], np:3, ch:4_a, co:0)
4	(N, lit:herself, ftr:[+--+-+++-], up:1, dn:0, lt:3, rt:0, th:0, np:4, ch:0, co:4_a, ec:4_a, pr:3, su:0, nu:4)
4_a	(E, sub:A, ftr:[+--+-+++-], np:4, ch:0, co:0)

S
father ········ Mary ········ herself
$father_a$ $Mary_a$ $herself_a$
$Mary_b$

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Chaining		
father	**Mary**	**herself**
$father_a$	$Mary_a$	$herself_a$
	$Mary_b \hat{} herself_a$	

Interpretations
$Mary_b \hat{} herself_a$

(12.9) The father of Mary killed her.

(12.9) The father of Mary killed her.

```
                    S
         _____
        /         |           \
     father ───── Mary ─────── her
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
father	−	−	−	+	−	−	+	−	−
Mary	−	−	−	+	−	+	+	−	−
her	+	−	−	+	−	+	+	−	?

	Nodes
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:father, ftr:[---+--+--], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2$_a$, ec:2$_a$, pr:0, su:3, nu:2)
2$_a$	(E, sub:A, ftr:[---+--+--], np:2, ch:0, co:0)
3	(N, lit:Mary, ftr:[---+-++--], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3$_a$, ec:3$_b$, pr:2, su:4, nu:3)
3$_a$	(E, sub:A, ftr:[---+-++--], np:3, ch:0, co:3$_b$)
3$_b$	(E, sub:B, ftr:[---+-++--], np:3, ch:4$_a$, co:0)
4	(N, lit:her, ftr:[+--+-++-?], up:1, dn:0, lt:3, rt:0, th:0, np:4, ch:0, co:4$_a$, ec:4$_a$, pr:3, su:0, nu:4)
4$_a$	(E, sub:A, ftr:[+--+-++-?], np:4, ch:0, co:0)

```
                    S
         ...................
        /         |          \
     father ····· Mary ····· her
        :          :          :
        :          :          :
    father_a     Mary_a     her_a
                   :        ↗
                   :      /
                Mary_b
```

Chaining		
father	**Mary**	**her**
father$_a$	Mary$_a$	her$_a$
	Mary$_b$^her$_a$	

Interpretations
Mary$_b$^her$_a$

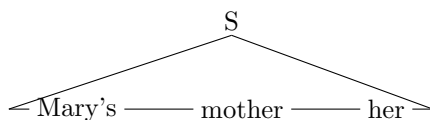# (12.11) Mary's mother cooks only for herself.

(12.11) Mary's mother cooks only for herself.

```
              S
         /    |    \
  Mary's —— mother —— herself
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Mary's	–	–	–	+	–	+	+	–	+
mother	–	–	–	+	–	+	+	–	–
herself	+	–	–	+	–	+	+	+	–

Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:Mary's, ftr:[---+-++-+], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2$_a$, ec:2$_a$, pr:0, su:3, nu:2)
2$_a$	(E, sub:A, ftr:[---+-++-+], np:2, ch:0, co:0)
3	(N, lit:mother, ftr:[---+-++--], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3$_a$, ec:3$_b$, pr:2, su:4, nu:3)
3$_a$	(E, sub:A, ftr:[---+-++--], np:3, ch:0, co:3$_b$)
3$_b$	(E, sub:B, ftr:[---+-++--], np:3, ch:4$_a$, co:0)
4	(N, lit:herself, ftr:[+--+-+++-], up:1, dn:0, lt:3, rt:0, th:0, np:4, ch:0, co:4$_a$, ec:4$_a$, pr:3, su:0, nu:4)
4$_a$	(E, sub:A, ftr:[+--+-+++-], np:4, ch:0, co:0)

```
                   S
            /      |      \
       Mary's ···· mother ···· herself
          :           :           :
       Mary's_a    mother_a    herself_a
                      :       ↗
                   mother_b
```

Chaining		
Mary's	**mother**	**herself**
Mary's$_a$	mother$_a$	herself$_a$
	mother$_b$^herself$_a$	

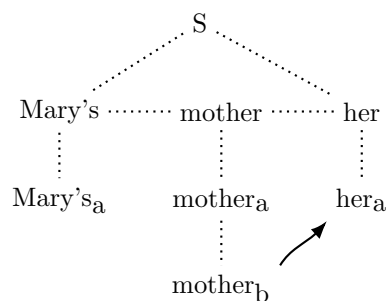| Interpretations |
|---|
| mother$_b$^herself$_a$ |

(12.12) Mary's mother cooks only for her.

(12.12) Mary's mother cooks only for her.

S

Mary's —— mother —— her

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Mary's	−	−	−	+	−	+	+	−	+
mother	−	−	−	+	−	+	+	−	−
her	+	−	−	+	−	+	+	−	?

Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:Mary's, ftr:[---+-++-+], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2_a, ec:2_a, pr:0, su:3, nu:2)
2_a	(E, sub:A, ftr:[---+-++-+], np:2, ch:0, co:0)
3	(N, lit:mother, ftr:[---+-++--], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b, pr:2, su:4, nu:3)
3_a	(E, sub:A, ftr:[---+-++--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[---+-++--], np:3, ch:4_a, co:0)
4	(N, lit:her, ftr:[+--+-++-?], up:1, dn:0, lt:3, rt:0, th:0, np:4, ch:0, co:4_a, ec:4_a, pr:3, su:0, nu:4)
4_a	(E, sub:A, ftr:[+--+-++-?], np:4, ch:0, co:0)

S

Mary's ⋯⋯ mother ⋯⋯ her

Mary's_a mother_a her_a

mother_b

Chaining		
Mary's	**mother**	**her**
Mary's$_a$	mother$_a$	her$_a$
	mother$_b$^her$_a$	

Interpretations
mother$_b$^her$_a$

(12.13) Mary's mother cooks only for her mother.

(12.13) Mary's mother cooks only for her mother.

```
                            S
          _____/‾‾‾‾‾|‾‾‾‾‾‾_____
        Mary's ——— mother₁ ——— her ——— mother₂
```
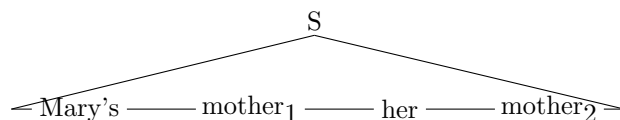
Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Mary's	–	–	–	+	–	+	+	–	+
mother₁	–	–	–	+	–	+	+	–	–
her	+	–	–	+	–	+	+	–	?
mother₂	–	–	–	+	–	+	+	–	–

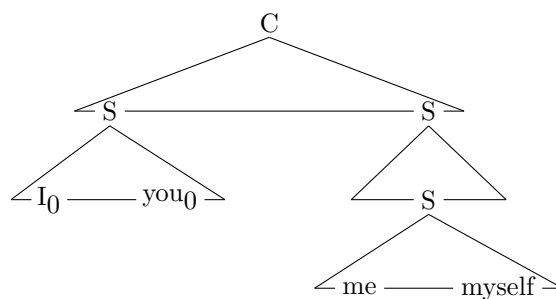| Nodes	
1	(S, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(N, lit:Mary's, ftr:[---+-++-+], up:1, dn:0, lt:0, rt:3, th:3, np:2, ch:0, co:2ₐ, ec:2ₐ, pr:0, su:3, nu:2)
2a	(E, sub:A, ftr:[---+-++-+], np:2, ch:0, co:0)
3	(N, lit:mother₁, ftr:[---+-++--], up:1, dn:0, lt:2, rt:4, th:4, np:3, ch:0, co:3ₐ, ec:3_b, pr:2, su:4, nu:3)
3a	(E, sub:A, ftr:[---+-++--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[---+-++--], np:3, ch:4ₐ, co:0)
4	(N, lit:her, ftr:[+--+-++-?], up:1, dn:0, lt:3, rt:5, th:5, np:4, ch:0, co:4ₐ, ec:4ₐ, pr:3, su:5, nu:4)
4a	(E, sub:A, ftr:[+--+-++-?], np:4, ch:0, co:0)
5	(N, lit:mother₂, ftr:[---+-++--], up:1, dn:0, lt:4, rt:0, th:0, np:5, ch:0, co:5ₐ, ec:5ₐ, pr:4, su:0, nu:5)
5a	(E, sub:A, ftr:[---+-++--], np:5, ch:0, co:0)

$$
\begin{array}{c}
\text{S} \\
\diagup \quad | \quad | \quad \diagdown \\
\text{Mary's} \cdots \text{mother}_1 \cdots \text{her} \cdots \text{mother}_2 \\
\vdots \qquad \vdots \qquad \vdots \qquad \vdots \\
\text{Mary's}_a \quad \text{mother}_{1a} \quad \text{her}_a \quad \text{mother}_{2a} \\
\vdots \\
\text{mother}_{1b}
\end{array}
$$
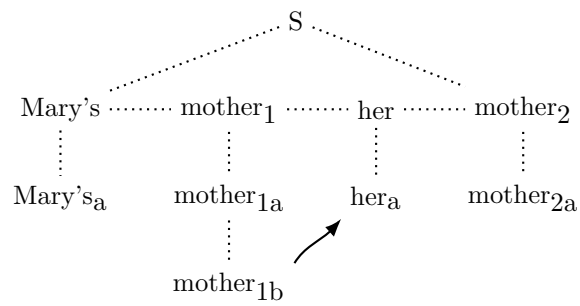
Chaining			
Mary's	**mother$_1$**	**her**	**mother$_2$**
Mary's$_a$	mother$_{1a}$ mother$_{1b}$^her$_a$	her$_a$	mother$_{2a}$

Interpretations
mother$_{1b}$^her$_a$

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(13.2) It was difficult to sketch myself.

(13.2) It was difficult to sketch myself.

C
S ——— S
I_0 ——— you_0
S
ϕ ——— myself

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
myself	+	+	−	−	−	?	+	+	−

Nodes	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:I_0, ftr:[++---?+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_c, pr:0, su:4, nu:3)
3a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:3_b)
3b	(E, sub:B, ftr:[++---?+--], np:3, ch:7_a, co:3_c)
3c	(E, sub:C, ftr:[++---?+--], np:3, ch:7_b, co:0)
4	(N, lit:you_0, ftr:[+-+-??+--], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_b, pr:3, su:7, nu:4)
4a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:4_b)
4b	(E, sub:B, ftr:[+-+-??+--], np:4, ch:7_a, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(S, up:5, dn:7, lt:0, rt:0, th:7, nu:6)
7	(N, lit:ϕ, ftr:[+??????--], up:6, dn:0, lt:0, rt:8, th:8, np:7, ch:0, co:7_a, ec:7_b, pr:4, su:8, nu:7)
7a	(E, sub:A, ftr:[+??????--], np:7, ch:0, co:7_b)
7b	(E, sub:B, ftr:[++---?+--], np:7, ch:8_a, co:0)
8	(N, lit:myself, ftr:[++---?++-], up:6, dn:0, lt:7, rt:0, th:0, np:8, ch:0, co:8_a, ec:8_a, pr:7, su:0, nu:8)
8a	(E, sub:A, ftr:[++---?++-], np:8, ch:0, co:0)

Chaining			
I_0	**you_0**	ϕ	**myself**
I_{0a}	you_{0a}	ϕ_a	$myself_a$
$I_{0b}\hat{}\phi_a$	$you_{0b}\hat{}\phi_a$	$\phi_b\hat{}myself_a$	
$I_{0c}\hat{}\phi_b$			

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Interpretations
$I_{0_c} \char`^ \phi_b \char`^ \text{myself}_a$

(13.5a) It was difficult for me to sketch myself.

(13.5a) It was difficult for me to sketch myself.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
me	+	+	−	−	−	?	+	−	−
myself	+	+	−	−	−	?	+	+	−

Nodes	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:I_0, ftr:[++---?+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_c, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[++---?+--], np:3, ch:7_a, co:3_c)
3_c	(E, sub:C, ftr:[++---?+--], np:3, ch:7_b, co:0)
4	(N, lit:you_0, ftr:[+-+-??+--], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_a, pr:3, su:7, nu:4)
4_a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(S, up:5, dn:7, lt:0, rt:0, th:7, nu:6)
7	(N, lit:me, ftr:[++---?+--], up:6, dn:0, lt:0, rt:8, th:8, np:7, ch:0, co:7_a, ec:7_b, pr:4, su:8, nu:7)
7_a	(E, sub:A, ftr:[++---?+--], np:7, ch:0, co:7_b)
7_b	(E, sub:B, ftr:[++---?+--], np:7, ch:8_a, co:0)
8	(N, lit:myself, ftr:[++---?++-], up:6, dn:0, lt:7, rt:0, th:0, np:8, ch:0, co:8_a, ec:8_a, pr:7, su:0, nu:8)
8_a	(E, sub:A, ftr:[++---?++-], np:8, ch:0, co:0)

Chaining			
I_0	**you_0**	**me**	**myself**
I_{0a}	you_{0a}	me_a	$myself_a$
I_{0b}^me_a		me_b^$myself_a$	
I_{0c}^me_b			

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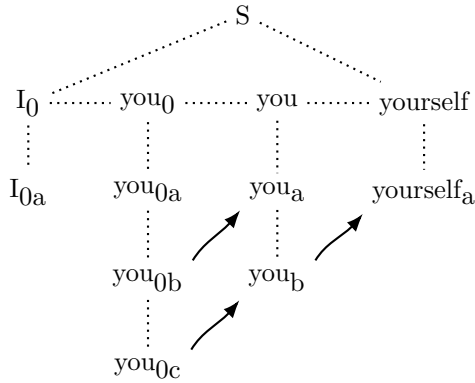| Interpretations |
|---|
| $\text{me}_b\text{\textasciicircum myself}_a$ |
| $\text{I}_{0c}\text{\textasciicircum me}_b\text{\textasciicircum myself}_a$ |

(13.6a) It was difficult for you to sketch yourself.

(13.6a) It was difficult for you to sketch yourself.

Features								
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
you	+	−	+	−	?	?	+	−	−
yourself	+	−	+	−	−	?	+	+	−

Nodes	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:I_0, ftr:[++---?+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_a, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:0)
4	(N, lit:you_0, ftr:[+-+-??+--], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_c, pr:3, su:7, nu:4)
4_a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[+-+-??+--], np:4, ch:7_a, co:4_c)
4_c	(E, sub:C, ftr:[+-+--?+--], np:4, ch:7_b, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(S, up:5, dn:7, lt:0, rt:0, th:7, nu:6)
7	(N, lit:you, ftr:[+-+-??+--], up:6, dn:0, lt:0, rt:8, th:8, np:7, ch:0, co:7_a, ec:7_b, pr:4, su:8, nu:7)
7_a	(E, sub:A, ftr:[+-+-??+--], np:7, ch:0, co:7_b)
7_b	(E, sub:B, ftr:[+-+--?+--], np:7, ch:8_a, co:0)
8	(N, lit:yourself, ftr:[+-+--?++-], up:6, dn:0, lt:7, rt:0, th:0, np:8, ch:0, co:8_a, ec:8_a, pr:7, su:0, nu:8)
8_a	(E, sub:A, ftr:[+-+--?++-], np:8, ch:0, co:0)

Chaining			
I_0	**you_0**	**you**	**yourself**
I_{0a}	you_{0a}	you_a	$yourself_a$
	$you_{0b}\hat{}you_a$	$you_b\hat{}yourself_a$	
	$you_{0c}\hat{}you_b$		

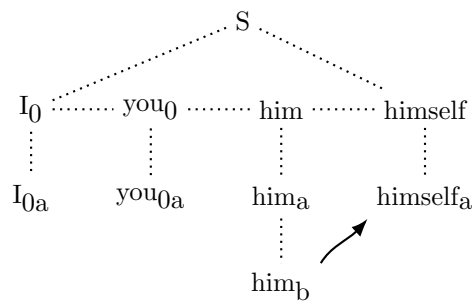| Interpretations |
|---|
| $\text{you}_b{}^{\wedge}\text{yourself}_a$ |
| $\text{you}_{0c}{}^{\wedge}\text{you}_b{}^{\wedge}\text{yourself}_a$ |

(13.7a) It was difficult for him to sketch himself.

(13.7a) It was difficult for him to sketch himself.
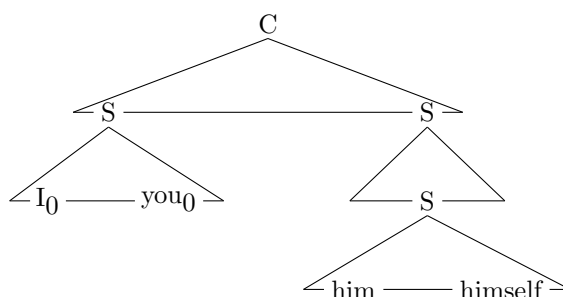
Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
him	+	−	−	+	−	−	+	−	−
himself	+	−	−	+	−	−	+	+	−

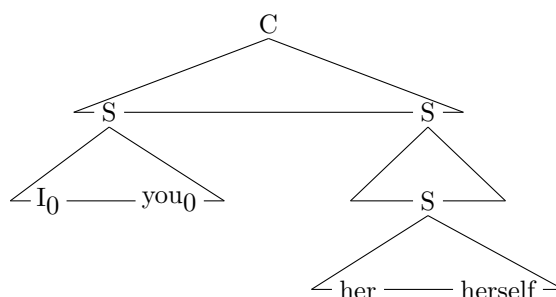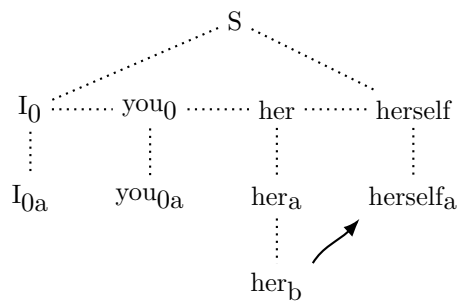| Nodes	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:I_0, ftr:[++---?+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_a, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:0)
4	(N, lit:you_0, ftr:[+-+-??+--], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_a, pr:3, su:7, nu:4)
4_a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(S, up:5, dn:7, lt:0, rt:0, th:7, nu:6)
7	(N, lit:him, ftr:[+--+--+--], up:6, dn:0, lt:0, rt:8, th:8, np:7, ch:0, co:7_a, ec:7_b, pr:4, su:8, nu:7)
7_a	(E, sub:A, ftr:[+--+--+--], np:7, ch:0, co:7_b)
7_b	(E, sub:B, ftr:[+--+--+--], np:7, ch:8_a, co:0)
8	(N, lit:himself, ftr:[+--+--++-], up:6, dn:0, lt:7, rt:0, th:0, np:8, ch:0, co:8_a, ec:8_a, pr:7, su:0, nu:8)
8_a	(E, sub:A, ftr:[+--+--++-], np:8, ch:0, co:0)

S
I_0 ...... you_0 .... him .... himself
I_{0a} you_{0a} him_a $himself_a$
him_b

Chaining			
I_0	**you_0**	**him**	**himself**
I_{0a}	you_{0a}	him_a	$himself_a$
		$him_b \verb|^| himself_a$	

Interpretations
NONE

(13.8a) It was difficult for her to sketch herself.

(13.8a) It was difficult for her to sketch herself.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
her	+	−	−	+	−	+	+	−	?
herself	+	−	−	+	−	+	+	+	−

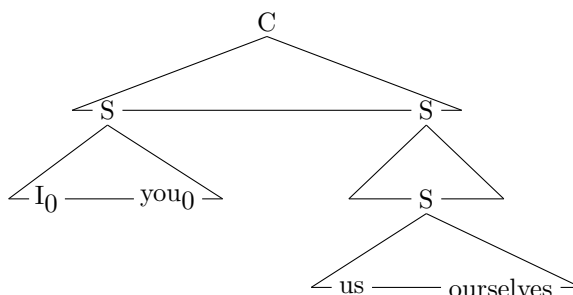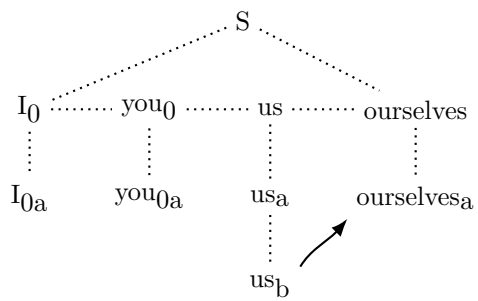| Nodes	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:I_0, ftr:[++---?+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_a, pr:0, su:4, nu:3)
3a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:0)
4	(N, lit:you_0, ftr:[+-+-??+--], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_a, pr:3, su:7, nu:4)
4a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(S, up:5, dn:7, lt:0, rt:0, th:7, nu:6)
7	(N, lit:her, ftr:[+--+-++-?], up:6, dn:0, lt:0, rt:8, th:8, np:7, ch:0, co:7_a, ec:7_b, pr:4, su:8, nu:7)
7a	(E, sub:A, ftr:[+--+-++-?], np:7, ch:0, co:7_b)
7b	(E, sub:B, ftr:[+--+-++--], np:7, ch:8_a, co:0)
8	(N, lit:herself, ftr:[+--+-+++-], up:6, dn:0, lt:7, rt:0, th:0, np:8, ch:0, co:8_a, ec:8_a, pr:7, su:0, nu:8)
8a	(E, sub:A, ftr:[+--+-+++-], np:8, ch:0, co:0)

S

I_0 ········ you_0 ········ her ········ herself

I_{0a} you_{0a} her_a $herself_a$

her_b

Chaining			
I_0	**you_0**	**her**	**herself**
I_{0a}	you_{0a}	her_a	$herself_a$
		$her_b\hat{}herself_a$	

Interpretations
NONE

(13.9a) It was difficult for us to sketch ourselves.

(13.9a) It was difficult for us to sketch ourselves.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
us	+	+	−	−	+	?	+	−	−
ourselves	+	+	−	−	+	?	+	+	−

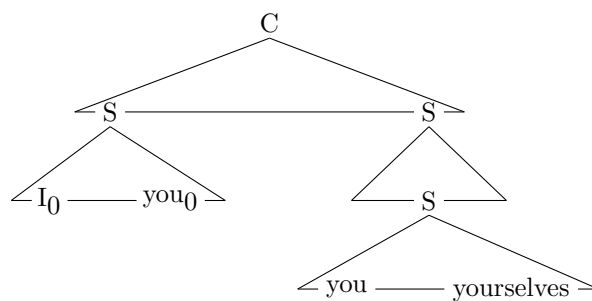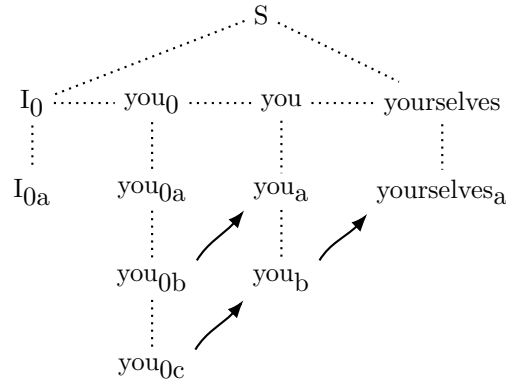| Nodes	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:I_0, ftr:[++---?+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_a, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:0)
4	(N, lit:you_0, ftr:[+-+-??+--], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_a, pr:3, su:7, nu:4)
4_a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(S, up:5, dn:7, lt:0, rt:0, th:7, nu:6)
7	(N, lit:us, ftr:[++--+?+--], up:6, dn:0, lt:0, rt:8, th:8, np:7, ch:0, co:7_a, ec:7_b, pr:4, su:8, nu:7)
7_a	(E, sub:A, ftr:[++--+?+--], np:7, ch:0, co:7_b)
7_b	(E, sub:B, ftr:[++--+?+--], np:7, ch:8_a, co:0)
8	(N, lit:ourselves, ftr:[++--+?++-], up:6, dn:0, lt:7, rt:0, th:0, np:8, ch:0, co:8_a, ec:8_a, pr:7, su:0, nu:8)
8_a	(E, sub:A, ftr:[++--+?++-], np:8, ch:0, co:0)

Tree diagram:

- S
  - I_0
    - I_{0a}
  - you_0
    - you_{0a}
  - us
    - us_a
      - us_b
  - ourselves
    - $ourselves_a$

Chaining			
$\mathbf{I_0}$	$\mathbf{you_0}$	**us**	**ourselves**
I_{0a}	you_{0a}	us_a	$ourselves_a$
		$us_b\text{\^}ourselves_a$	

Interpretations
$us_b\text{\^}ourselves_a$

(13.10a) It was difficult for you to sketch yourselves.

(13.10a) It was difficult for you to sketch yourselves.

C
S —————— S
I_0 —— you_0
S
you —— yourselves

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
you	+	−	+	−	?	?	+	−	−
yourselves	+	−	+	−	+	?	+	+	−

Nodes	
1	`(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)`
2	`(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)`
3	`(N, lit:I`$_0$`, ftr:[++---?+--], up:2, dn:0,`
	` lt:0, rt:4, th:4, np:3, ch:0, co:3`$_a$`, ec:3`$_a$`,`
	` pr:0, su:4, nu:3)`
3a	`(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:0)`
4	`(N, lit:you`$_0$`, ftr:[+-+-??+--], up:2, dn:0,`
	` lt:3, rt:0, th:5, np:4, ch:0, co:4`$_a$`, ec:4`$_c$`,`
	` pr:3, su:7, nu:4)`
4a	`(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:4`$_b$`)`
4b	`(E, sub:B, ftr:[+-+-??+--], np:4, ch:7`$_a$`, co:4`$_c$`)`
4c	`(E, sub:C, ftr:[+-+-+?+--], np:4, ch:7`$_b$`, co:0)`
5	`(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)`
6	`(S, up:5, dn:7, lt:0, rt:0, th:7, nu:6)`
7	`(N, lit:you, ftr:[+-+-??+--], up:6, dn:0,`
	` lt:0, rt:8, th:8, np:7, ch:0, co:7`$_a$`, ec:7`$_b$`,`
	` pr:4, su:8, nu:7)`
7a	`(E, sub:A, ftr:[+-+-??+--], np:7, ch:0, co:7`$_b$`)`
7b	`(E, sub:B, ftr:[+-+-+?+--], np:7, ch:8`$_a$`, co:0)`
8	`(N, lit:yourselves, ftr:[+-+-+?++-], up:6, dn:0,`
	` lt:7, rt:0, th:0, np:8, ch:0, co:8`$_a$`, ec:8`$_a$`,`
	` pr:7, su:0, nu:8)`
8a	`(E, sub:A, ftr:[+-+-+?++-], np:8, ch:0, co:0)`

Chaining			
I$_0$	**you**$_0$	**you**	**yourselves**
`I`$_{0a}$	`you`$_{0a}$	`you`$_a$	`yourselves`$_a$
	`you`$_{0b}$`^you`$_a$	`you`$_b$`^yourselves`$_a$	
	`you`$_{0c}$`^you`$_b$		

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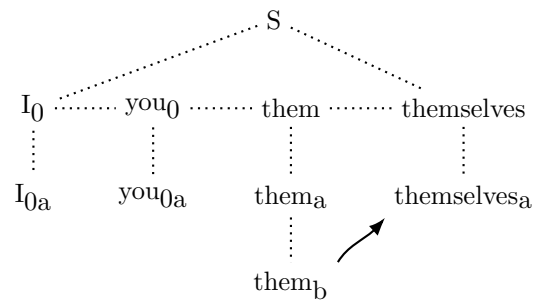| Interpretations |
|---|
| you_bˆ$yourselves_a$ |
| you_{0c}ˆyou_bˆ$yourselves_a$ |

(13.11a) It was difficult for them to sketch themselves.

(13.11a) It was difficult for them to sketch themselves.
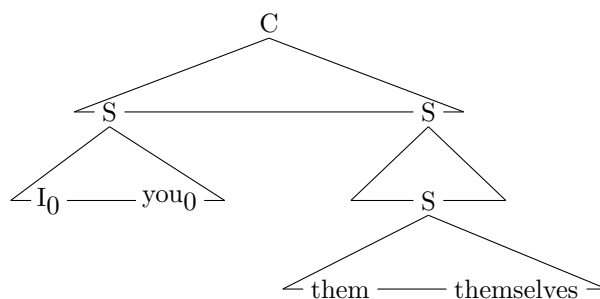
Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
them	+	−	−	+	+	?	?	−	−
themselves	+	−	−	+	+	?	?	+	−

Nodes	
1	`(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)`
2	`(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)`
3	`(N, lit:I`$_0$`, ftr:[++---?+--], up:2, dn:0,`
	` lt:0, rt:4, th:4, np:3, ch:0, co:3`$_a$`, ec:3`$_a$`,`
	` pr:0, su:4, nu:3)`
3a	`(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:0)`
4	`(N, lit:you`$_0$`, ftr:[+-+-??+--], up:2, dn:0,`
	` lt:3, rt:0, th:5, np:4, ch:0, co:4`$_a$`, ec:4`$_a$`,`
	` pr:3, su:7, nu:4)`
4a	`(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:0)`
5	`(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)`
6	`(S, up:5, dn:7, lt:0, rt:0, th:7, nu:6)`
7	`(N, lit:them, ftr:[+--++??--], up:6, dn:0,`
	` lt:0, rt:8, th:8, np:7, ch:0, co:7`$_a$`, ec:7`$_b$`,`
	` pr:4, su:8, nu:7)`
7a	`(E, sub:A, ftr:[+--++??--], np:7, ch:0, co:7`$_b$`)`
7b	`(E, sub:B, ftr:[+--++??--], np:7, ch:8`$_a$`, co:0)`
8	`(N, lit:themselves, ftr:[+--++??+-], up:6, dn:0,`
	` lt:7, rt:0, th:0, np:8, ch:0, co:8`$_a$`, ec:8`$_a$`,`
	` pr:7, su:0, nu:8)`
8a	`(E, sub:A, ftr:[+--++??+-], np:8, ch:0, co:0)`

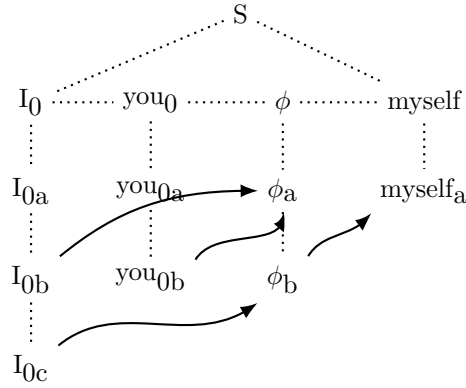| Chaining			
I$_0$	**you**$_0$	**them**	**themselves**
I$_{0a}$	you$_{0a}$	them$_a$	themselves$_a$
		them$_b$^themselves$_a$	

Interpretations
NONE

(13.5b) It was difficult to sketch myself.

(13.5b) It was difficult to sketch myself.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
myself	+	+	−	−	−	?	+	+	−

	Nodes
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:I_0, ftr:[++---?+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_c, pr:0, su:4, nu:3)
3a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:3_b)
3b	(E, sub:B, ftr:[++---?+--], np:3, ch:7_a, co:3_c)
3c	(E, sub:C, ftr:[++---?+--], np:3, ch:7_b, co:0)
4	(N, lit:you_0, ftr:[+-+-??+--], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_b, pr:3, su:7, nu:4)
4a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:4_b)
4b	(E, sub:B, ftr:[+-+-??+--], np:4, ch:7_a, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(S, up:5, dn:7, lt:0, rt:0, th:7, nu:6)
7	(N, lit:ϕ, ftr:[+??????--], up:6, dn:0, lt:0, rt:8, th:8, np:7, ch:0, co:7_a, ec:7_b, pr:4, su:8, nu:7)
7a	(E, sub:A, ftr:[+??????--], np:7, ch:0, co:7_b)
7b	(E, sub:B, ftr:[++---?+--], np:7, ch:8_a, co:0)
8	(N, lit:myself, ftr:[++---?++-], up:6, dn:0, lt:7, rt:0, th:0, np:8, ch:0, co:8_a, ec:8_a, pr:7, su:0, nu:8)
8a	(E, sub:A, ftr:[++---?++-], np:8, ch:0, co:0)

Chaining			
I_0	**you_0**	ϕ	**myself**
I_{0a}	you_{0a}	ϕ_a	$myself_a$
$I_{0b}{}^{\wedge}\phi_a$	$you_{0b}{}^{\wedge}\phi_a$	$\phi_b{}^{\wedge}myself_a$	
$I_{0c}{}^{\wedge}\phi_b$			

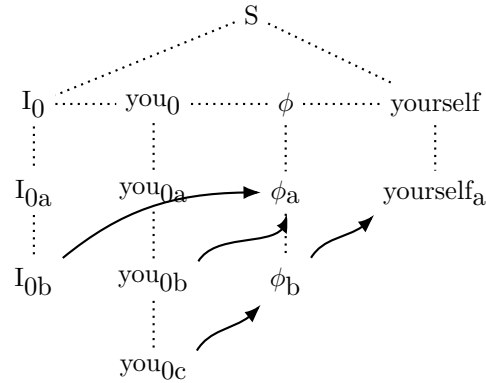| Interpretations |
|---|
| I_{0c}^ϕ_b^$myself_a$ |

(13.6b) It was difficult to sketch yourself.

(13.6b) It was difficult to sketch yourself.
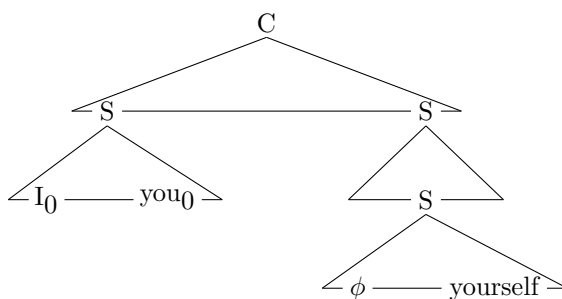
Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
yourself	+	−	+	−	−	?	+	+	−

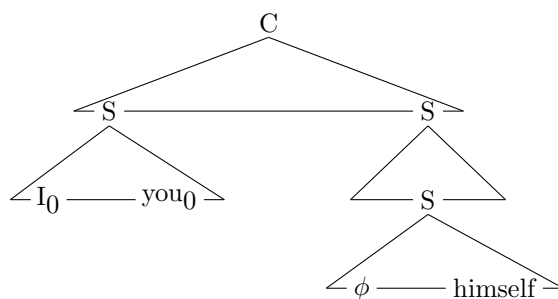| Nodes	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:I_0, ftr:[++---?+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[++---?+--], np:3, ch:7_a, co:0)
4	(N, lit:you_0, ftr:[+-+-??+--], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_c, pr:3, su:7, nu:4)
4_a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[+-+-??+--], np:4, ch:7_a, co:4_c)
4_c	(E, sub:C, ftr:[+-+--?+--], np:4, ch:7_b, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(S, up:5, dn:7, lt:0, rt:0, th:7, nu:6)
7	(N, lit:ϕ, ftr:[+??????--], up:6, dn:0, lt:0, rt:8, th:8, np:7, ch:0, co:7_a, ec:7_b, pr:4, su:8, nu:7)
7_a	(E, sub:A, ftr:[+??????--], np:7, ch:0, co:7_b)
7_b	(E, sub:B, ftr:[+-+--?+--], np:7, ch:8_a, co:0)
8	(N, lit:yourself, ftr:[+-+--?++-], up:6, dn:0, lt:7, rt:0, th:0, np:8, ch:0, co:8_a, ec:8_a, pr:7, su:0, nu:8)
8_a	(E, sub:A, ftr:[+-+--?++-], np:8, ch:0, co:0)

Chaining			
I_0	**you_0**	ϕ	**yourself**
I_{0a}	you_{0a}	ϕ_a	$yourself_a$
$I_{0b}\hat{}\phi_a$	$you_{0b}\hat{}\phi_a$	$\phi_b\hat{}yourself_a$	
	$you_{0c}\hat{}\phi_b$		

Interpretations
$\text{you}_{0_c} \char94 \phi_b \char94 \text{yourself}_a$

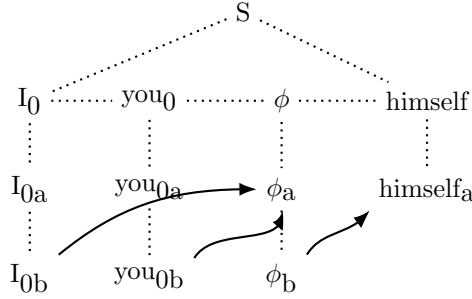# (13.7b) *It was difficult to sketch himself.

(13.7b) *It was difficult to sketch himself.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
himself	+	−	−	+	−	−	+	+	−

	Nodes
1	`(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)`
2	`(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)`
3	`(N, lit:I`$_0$`, ftr:[++---?+--], up:2, dn:0,`
	`lt:0, rt:4, th:4, np:3, ch:0, co:3`$_a$`, ec:3`$_b$`,`
	`pr:0, su:4, nu:3)`
3a	`(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:3`$_b$`)`
3b	`(E, sub:B, ftr:[++---?+--], np:3, ch:7`$_a$`, co:0)`
4	`(N, lit:you`$_0$`, ftr:[+-+-??+--], up:2, dn:0,`
	`lt:3, rt:0, th:5, np:4, ch:0, co:4`$_a$`, ec:4`$_b$`,`
	`pr:3, su:7, nu:4)`
4a	`(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:4`$_b$`)`
4b	`(E, sub:B, ftr:[+-+-??+--], np:4, ch:7`$_a$`, co:0)`
5	`(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)`
6	`(S, up:5, dn:7, lt:0, rt:0, th:7, nu:6)`
7	`(N, lit:`ϕ`, ftr:[+??????--], up:6, dn:0,`
	`lt:0, rt:8, th:8, np:7, ch:0, co:7`$_a$`, ec:7`$_b$`,`
	`pr:4, su:8, nu:7)`
7a	`(E, sub:A, ftr:[+??????--], np:7, ch:0, co:7`$_b$`)`
7b	`(E, sub:B, ftr:[+--+--+--], np:7, ch:8`$_a$`, co:0)`
8	`(N, lit:himself, ftr:[+--+--++-], up:6, dn:0,`
	`lt:7, rt:0, th:0, np:8, ch:0, co:8`$_a$`, ec:8`$_a$`,`
	`pr:7, su:0, nu:8)`
8a	`(E, sub:A, ftr:[+--+--++-], np:8, ch:0, co:0)`

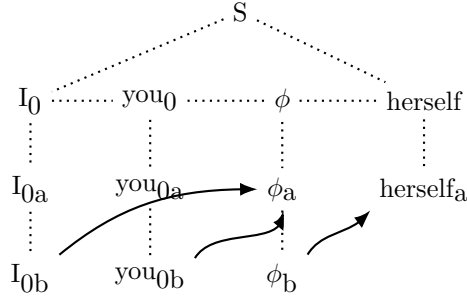| Chaining			
I$_0$	**you**$_0$	ϕ	**himself**
`I`$_{0a}$	`you`$_{0a}$	ϕ_a	`himself`$_a$
`I`$_{0b}$`^`ϕ_a	`you`$_{0b}$`^`ϕ_a	ϕ_b`^himself`$_a$	

Interpretations
NONE

(13.8b) *It was difficult to sketch herself.

(13.8b) *It was difficult to sketch herself.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
herself	+	−	−	+	−	+	+	+	−

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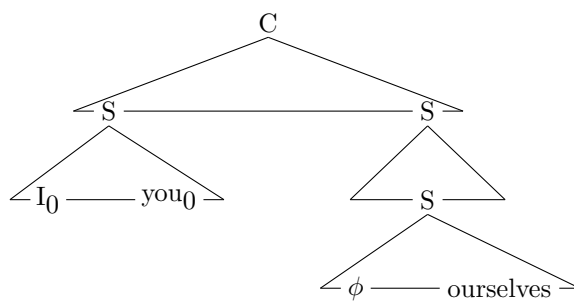|	Nodes
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:I$_0$, ftr:[++---?+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3$_a$, ec:3$_b$, pr:0, su:4, nu:3)
3a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:3$_b$)
3b	(E, sub:B, ftr:[++---?+--], np:3, ch:7$_a$, co:0)
4	(N, lit:you$_0$, ftr:[+-+-??+--], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4$_a$, ec:4$_b$, pr:3, su:7, nu:4)
4a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:4$_b$)
4b	(E, sub:B, ftr:[+-+-??+--], np:4, ch:7$_a$, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(S, up:5, dn:7, lt:0, rt:0, th:7, nu:6)
7	(N, lit:ϕ, ftr:[+??????--], up:6, dn:0, lt:0, rt:8, th:8, np:7, ch:0, co:7$_a$, ec:7$_b$, pr:4, su:8, nu:7)
7a	(E, sub:A, ftr:[+??????--], np:7, ch:0, co:7$_b$)
7b	(E, sub:B, ftr:[+--+-++--], np:7, ch:8$_a$, co:0)
8	(N, lit:herself, ftr:[+--+-+++-], up:6, dn:0, lt:7, rt:0, th:0, np:8, ch:0, co:8$_a$, ec:8$_a$, pr:7, su:0, nu:8)
8a	(E, sub:A, ftr:[+--+-+++-], np:8, ch:0, co:0)

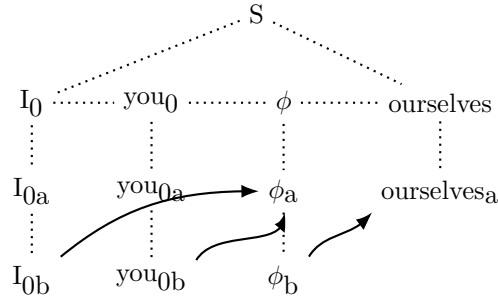| Chaining			
I$_0$	**you$_0$**	ϕ	**herself**
I$_{0a}$	you$_{0a}$	ϕ_a	herself$_a$
I$_{0b}$^ϕ_a	you$_{0b}$^ϕ_a	ϕ_b^herself$_a$	

Interpretations
NONE

(13.9b) It was difficult to sketch ourselves.

(13.9b) It was difficult to sketch ourselves.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
ourselves	+	+	−	−	+	?	+	+	−

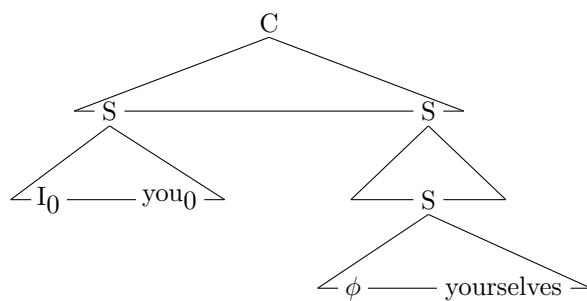| Nodes	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:I_0, ftr:[++---?+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[++---?+--], np:3, ch:7_a, co:0)
4	(N, lit:you_0, ftr:[+-+-??+--], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_b, pr:3, su:7, nu:4)
4_a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[+-+-??+--], np:4, ch:7_a, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(S, up:5, dn:7, lt:0, rt:0, th:7, nu:6)
7	(N, lit:ϕ, ftr:[+??????--], up:6, dn:0, lt:0, rt:8, th:8, np:7, ch:0, co:7_a, ec:7_b, pr:4, su:8, nu:7)
7_a	(E, sub:A, ftr:[+??????--], np:7, ch:0, co:7_b)
7_b	(E, sub:B, ftr:[++--+?+--], np:7, ch:8_a, co:0)
8	(N, lit:ourselves, ftr:[++--+?++-], up:6, dn:0, lt:7, rt:0, th:0, np:8, ch:0, co:8_a, ec:8_a, pr:7, su:0, nu:8)
8_a	(E, sub:A, ftr:[++--+?++-], np:8, ch:0, co:0)

Chaining			
I_0	**you_0**	ϕ	**ourselves**
I_{0a}	you_{0a}	ϕ_a	$ourselves_a$
$I_{0b}{}^\wedge\phi_a$	$you_{0b}{}^\wedge\phi_a$	$\phi_b{}^\wedge ourselves_a$	

Interpretations
NONE

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(13.10b) It was difficult to sketch yourselves.

(13.10b) It was difficult to sketch yourselves.

C

S — S

I_0 — you_0

S

ϕ — yourselves

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
yourselves	+	−	+	−	+	?	+	+	−

Nodes

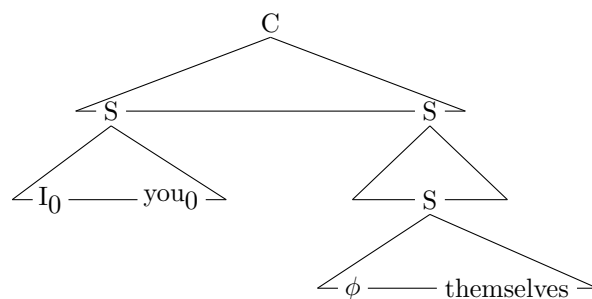|	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:I_0, ftr:[++---?+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[++---?+--], np:3, ch:7_a, co:0)
4	(N, lit:you_0, ftr:[+-+-??+--], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_c, pr:3, su:7, nu:4)
4_a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[+-+-??+--], np:4, ch:7_a, co:4_c)
4_c	(E, sub:C, ftr:[+-+-+?+--], np:4, ch:7_b, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(S, up:5, dn:7, lt:0, rt:0, th:7, nu:6)
7	(N, lit:ϕ, ftr:[+??????--], up:6, dn:0, lt:0, rt:8, th:8, np:7, ch:0, co:7_a, ec:7_b, pr:4, su:8, nu:7)
7_a	(E, sub:A, ftr:[+??????--], np:7, ch:0, co:7_b)
7_b	(E, sub:B, ftr:[+-+-+?+--], np:7, ch:8_a, co:0)
8	(N, lit:yourselves, ftr:[+-+-+?++-], up:6, dn:0, lt:7, rt:0, th:0, np:8, ch:0, co:8_a, ec:8_a, pr:7, su:0, nu:8)
8_a	(E, sub:A, ftr:[+-+-+?++-], np:8, ch:0, co:0)

Chaining

$\mathbf{I_0}$	$\mathbf{you_0}$	ϕ	**yourselves**
I_{0a}	you_{0a}	ϕ_a	$yourselves_a$
$I_{0b}{}^{\wedge}\phi_a$	$you_{0b}{}^{\wedge}\phi_a$	$\phi_b{}^{\wedge}yourselves_a$	
	$you_{0c}{}^{\wedge}\phi_b$		

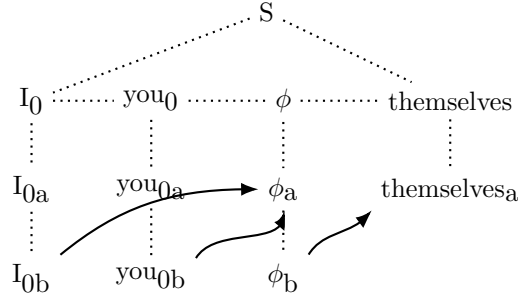| Interpretations |
|---|
| $\text{you}_{0_c}{}^\wedge\phi_b{}^\wedge\text{yourselves}_a$ |

(13.11b) *It was difficult to sketch themselves.

(13.11b) *It was difficult to sketch themselves.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
themselves	+	−	−	+	+	?	?	+	−

Nodes	
1	`(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)`
2	`(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)`
3	`(N, lit:`I_0`, ftr:[++---?+--], up:2, dn:0,`
	`lt:0, rt:4, th:4, np:3, ch:0, co:`3_a`, ec:`3_b`,`
	`pr:0, su:4, nu:3)`
3a	`(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:`3_b`)`
3b	`(E, sub:B, ftr:[++---?+--], np:3, ch:`7_a`, co:0)`
4	`(N, lit:`you_0`, ftr:[+-+-??+--], up:2, dn:0,`
	`lt:3, rt:0, th:5, np:4, ch:0, co:`4_a`, ec:`4_b`,`
	`pr:3, su:7, nu:4)`
4a	`(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:`4_b`)`
4b	`(E, sub:B, ftr:[+-+-??+--], np:4, ch:`7_a`, co:0)`
5	`(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)`
6	`(S, up:5, dn:7, lt:0, rt:0, th:7, nu:6)`
7	`(N, lit:`ϕ`, ftr:[+??????--], up:6, dn:0,`
	`lt:0, rt:8, th:8, np:7, ch:0, co:`7_a`, ec:`7_b`,`
	`pr:4, su:8, nu:7)`
7a	`(E, sub:A, ftr:[+??????--], np:7, ch:0, co:`7_b`)`
7b	`(E, sub:B, ftr:[+--++??--], np:7, ch:`8_a`, co:0)`
8	`(N, lit:themselves, ftr:[+--++??+-], up:6, dn:0,`
	`lt:7, rt:0, th:0, np:8, ch:0, co:`8_a`, ec:`8_a`,`
	`pr:7, su:0, nu:8)`
8a	`(E, sub:A, ftr:[+--++??+-], np:8, ch:0, co:0)`

Chaining			
I_0	**you_0**	ϕ	**themselves**
I_{0a}	you_{0a}	ϕ_a	$themselves_a$
I_{0b}^ϕ_a	you_{0b}^ϕ_a	ϕ_b^$themselves_a$	

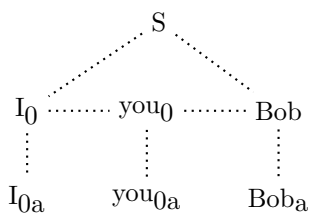| Interpretations |
|---|
| NONE |

(13.12a) Nurse Bob Breezy gave up drawing.

(13.12a) Nurse Bob Breezy gave up drawing.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	–	–	–	?	+	–	–
you_0	+	–	+	–	?	?	+	–	–
Bob	–	–	–	+	–	–	+	–	–

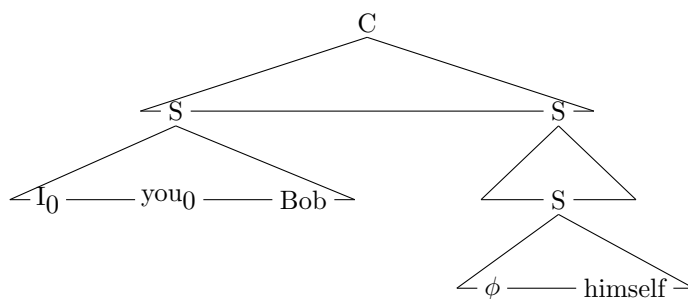| Nodes	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:I_0, ftr:[++---?+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_a, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:0)
4	(N, lit:you_0, ftr:[+-+-??+--], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_a, pr:3, su:6, nu:4)
4_a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(N, lit:Bob, ftr:[---+--+--], up:5, dn:0, lt:0, rt:0, th:0, np:6, ch:0, co:6_a, ec:6_a, pr:4, su:0, nu:6)
6_a	(E, sub:A, ftr:[---+--+--], np:6, ch:0, co:0)

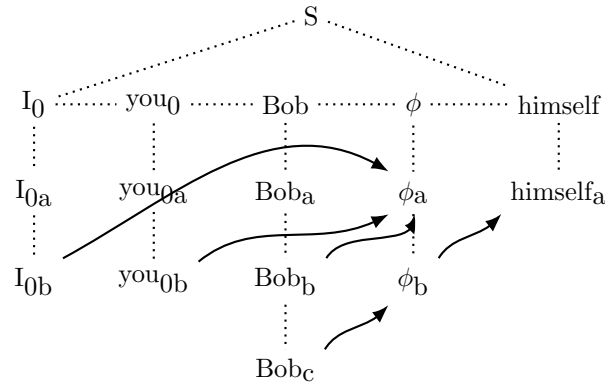| Chaining		
I$_0$	**you$_0$**	**Bob**
I$_{0a}$	you$_{0a}$	Bob$_a$

Interpretations
.

(13.12b) [Bob] It was difficult to sketch himself.

(13.12b) [Bob] It was difficult to sketch himself.

Features								
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
Bob	−	−	−	+	−	−	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
himself	+	−	−	+	−	−	+	+	−

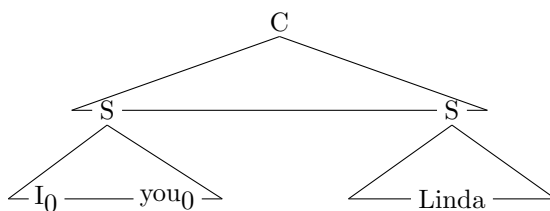|	Nodes
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:6, th:3, nu:2)
3	(N, lit:I_0, ftr:[++---?+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b, pr:0, su:4, nu:3)
3a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:3_b)
3b	(E, sub:B, ftr:[++---?+--], np:3, ch:8_a, co:0)
4	(N, lit:you_0, ftr:[+-+-??+--], up:2, dn:0, lt:3, rt:5, th:5, np:4, ch:0, co:4_a, ec:4_b, pr:3, su:5, nu:4)
4a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:4_b)
4b	(E, sub:B, ftr:[+-+-??+--], np:4, ch:8_a, co:0)
5	(N, lit:Bob, ftr:[---+--+--], up:2, dn:0, lt:4, rt:0, th:6, np:5, ch:0, co:5_a, ec:5_c, pr:4, su:8, nu:5)
5a	(E, sub:A, ftr:[---+--+--], np:5, ch:0, co:5_b)
5b	(E, sub:B, ftr:[---+--+--], np:5, ch:8_a, co:5_c)
5c	(E, sub:C, ftr:[---+--+--], np:5, ch:8_b, co:0)
6	(S, up:1, dn:7, lt:2, rt:0, th:7, nu:6)
7	(S, up:6, dn:8, lt:0, rt:0, th:8, nu:7)
8	(N, lit:ϕ, ftr:[+??????--], up:7, dn:0, lt:0, rt:9, th:9, np:8, ch:0, co:8_a, ec:8_b, pr:5, su:9, nu:8)
8a	(E, sub:A, ftr:[+??????--], np:8, ch:0, co:8_b)
8b	(E, sub:B, ftr:[+--+--+--], np:8, ch:9_a, co:0)
9	(N, lit:himself, ftr:[+--+--++-], up:7, dn:0, lt:8, rt:0, th:0, np:9, ch:0, co:9_a, ec:9_a, pr:8, su:0, nu:9)
9a	(E, sub:A, ftr:[+--+--++-], np:9, ch:0, co:0)

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Chaining				
I$_0$	**you$_0$**	**Bob**	ϕ	**himself**
I$_{0a}$	you$_{0a}$	Bob$_a$	ϕ_a	himself$_a$
I$_{0b}$^ϕ_a	you$_{0b}$^ϕ_a	Bob$_b$^ϕ_a	ϕ_b^himself$_a$	
		Bob$_c$^ϕ_b		

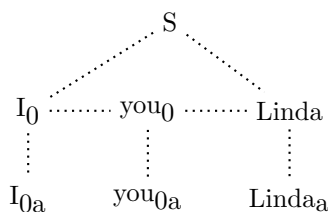| Interpretations |
|---|
| Bob$_c$^ϕ_b^himself$_a$ |

(13.13a) Astronaut Linda Smith gave up drawing.

(13.13a) Astronaut Linda Smith gave up drawing.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
Linda	−	−	−	+	−	+	+	−	−

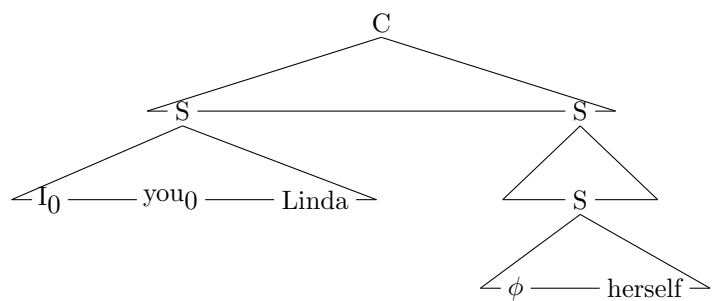| Nodes	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:I_0, ftr:[++---?+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_a, pr:0, su:4, nu:3)
3a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:0)
4	(N, lit:you_0, ftr:[+-+-??+--], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_a, pr:3, su:6, nu:4)
4a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(N, lit:Linda, ftr:[---+-++--], up:5, dn:0, lt:0, rt:0, th:0, np:6, ch:0, co:6_a, ec:6_a, pr:4, su:0, nu:6)
6a	(E, sub:A, ftr:[---+-++--], np:6, ch:0, co:0)

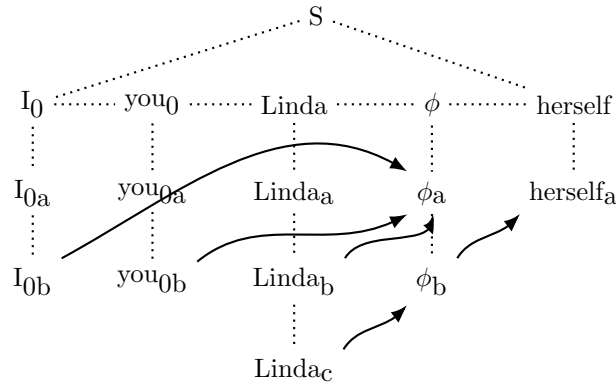| Chaining		
I$_0$	**you$_0$**	**Linda**
I$_{0a}$	you$_{0a}$	Linda$_a$

Interpretations
.

(13.13b) [Linda] It was difficult to sketch herself.

(13.13b) [Linda] It was difficult to sketch herself.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
Linda	−	−	−	+	−	+	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
herself	+	−	−	+	−	+	+	+	−

	Nodes
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:6, th:3, nu:2)
3	(N, lit:I_0, ftr:[++---?+--], up:2, dn:0,
	lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b,
	pr:0, su:4, nu:3)
3a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:3_b)
3b	(E, sub:B, ftr:[++---?+--], np:3, ch:8_a, co:0)
4	(N, lit:you_0, ftr:[+-+-??+--], up:2, dn:0,
	lt:3, rt:5, th:5, np:4, ch:0, co:4_a, ec:4_b,
	pr:3, su:5, nu:4)
4a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:4_b)
4b	(E, sub:B, ftr:[+-+-??+--], np:4, ch:8_a, co:0)
5	(N, lit:Linda, ftr:[---+-++--], up:2, dn:0,
	lt:4, rt:0, th:6, np:5, ch:0, co:5_a, ec:5_c,
	pr:4, su:8, nu:5)
5a	(E, sub:A, ftr:[---+-++--], np:5, ch:0, co:5_b)
5b	(E, sub:B, ftr:[---+-++--], np:5, ch:8_a, co:5_c)
5c	(E, sub:C, ftr:[---+-++--], np:5, ch:8_b, co:0)
6	(S, up:1, dn:7, lt:2, rt:0, th:7, nu:6)
7	(S, up:6, dn:8, lt:0, rt:0, th:8, nu:7)
8	(N, lit:ϕ, ftr:[+??????--], up:7, dn:0,
	lt:0, rt:9, th:9, np:8, ch:0, co:8_a, ec:8_b,
	pr:5, su:9, nu:8)
8a	(E, sub:A, ftr:[+??????--], np:8, ch:0, co:8_b)
8b	(E, sub:B, ftr:[+--+-++--], np:8, ch:9_a, co:0)
9	(N, lit:herself, ftr:[+--+-+++-], up:7, dn:0,
	lt:8, rt:0, th:0, np:9, ch:0, co:9_a, ec:9_a,
	pr:8, su:0, nu:9)
9a	(E, sub:A, ftr:[+--+-+++-], np:9, ch:0, co:0)

Chaining				
I$_0$	**you$_0$**	**Linda**	**ϕ**	**herself**
I$_{0a}$	you$_{0a}$	Linda$_a$	ϕ_a	herself$_a$
I$_{0b}$^ϕ_a	you$_{0b}$^ϕ_a	Linda$_b$^ϕ_a	ϕ_b^herself$_a$	
		Linda$_c$^ϕ_b		

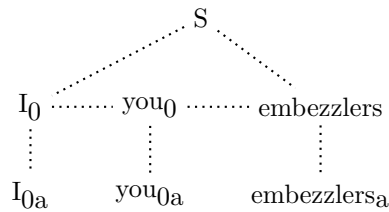| Interpretations |
|---|
| Linda$_c$^ϕ_b^herself$_a$ |

(13.14a) The bank embezzlers gave up drawing.

(13.14a) The bank embezzlers gave up drawing.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	–	–	–	?	+	–	–
you_0	+	–	+	–	?	?	+	–	–
embezzlers	–	–	–	+	+	?	+	–	–

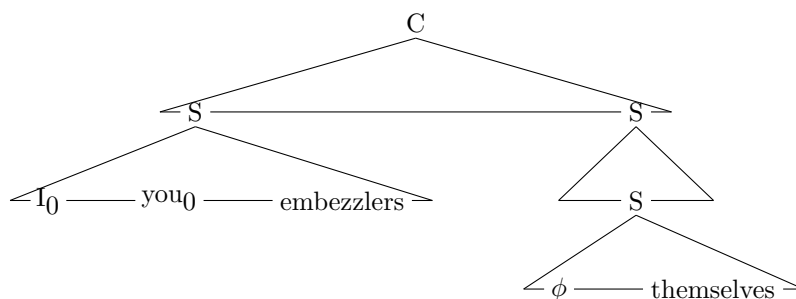| Nodes	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:I_0, ftr:[++---?+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_a, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:0)
4	(N, lit:you_0, ftr:[+-+-??+--], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_a, pr:3, su:6, nu:4)
4_a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(N, lit:embezzlers, ftr:[---++?+--], up:5, dn:0, lt:0, rt:0, th:0, np:6, ch:0, co:6_a, ec:6_a, pr:4, su:0, nu:6)
6_a	(E, sub:A, ftr:[---++?+--], np:6, ch:0, co:0)

Chaining		
I$_0$	**you$_0$**	**embezzlers**
I$_{0a}$	you$_{0a}$	embezzlers$_a$

Interpretations
.

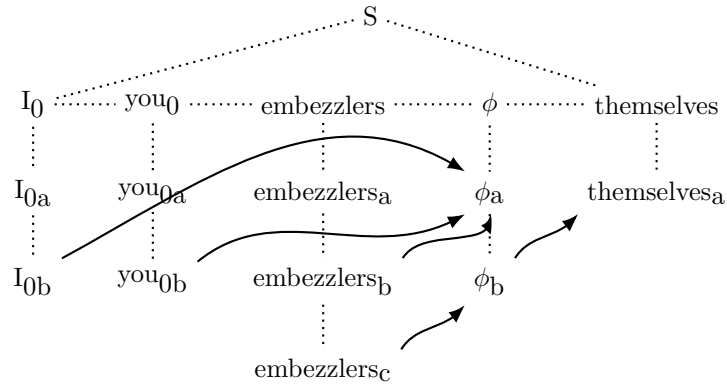## (13.14b) [the bank embezzlers] It was difficult to sketch themselves.

(13.14b) [the bank embezzlers] It was difficult to sketch themselves.

```
                                C
                   S ─────────────────────── S
            I₀ ── you₀ ── embezzlers              S
                                            φ ──── themselves
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
embezzlers	−	−	−	+	+	?	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
themselves	+	−	−	+	+	?	?	+	−

	Nodes
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:6, th:3, nu:2)
3	(N, lit:I_0, ftr:[++---?+--], up:2, dn:0,
	lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b,
	pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[++---?+--], np:3, ch:8_a, co:0)
4	(N, lit:you_0, ftr:[+-+-??+--], up:2, dn:0,
	lt:3, rt:5, th:5, np:4, ch:0, co:4_a, ec:4_b,
	pr:3, su:5, nu:4)
4_a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[+-+-??+--], np:4, ch:8_a, co:0)
5	(N, lit:embezzlers, ftr:[---++?+--], up:2, dn:0,
	lt:4, rt:0, th:6, np:5, ch:0, co:5_a, ec:5_c,
	pr:4, su:8, nu:5)
5_a	(E, sub:A, ftr:[---++?+--], np:5, ch:0, co:5_b)
5_b	(E, sub:B, ftr:[---++?+--], np:5, ch:8_a, co:5_c)
5_c	(E, sub:C, ftr:[---++?+--], np:5, ch:8_b, co:0)
6	(S, up:1, dn:7, lt:2, rt:0, th:7, nu:6)
7	(S, up:6, dn:8, lt:0, rt:0, th:8, nu:7)
8	(N, lit:ϕ, ftr:[+??????--], up:7, dn:0,
	lt:0, rt:9, th:9, np:8, ch:0, co:8_a, ec:8_b,
	pr:5, su:9, nu:8)
8_a	(E, sub:A, ftr:[+??????--], np:8, ch:0, co:8_b)
8_b	(E, sub:B, ftr:[+--++??--], np:8, ch:9_a, co:0)
9	(N, lit:themselves, ftr:[+--++??+-], up:7, dn:0,
	lt:8, rt:0, th:0, np:9, ch:0, co:9_a, ec:9_a,
	pr:8, su:0, nu:9)
9_a	(E, sub:A, ftr:[+--++??+-], np:9, ch:0, co:0)

Chaining				
I$_0$	**you$_0$**	**embezzlers**	ϕ	**themselves**
I$_{0a}$	you$_{0a}$	embezzlers$_a$	ϕ_a	themselves$_a$
I$_{0b}$^ϕ_a	you$_{0b}$^ϕ_a	embezzlers$_b$^ϕ_a	ϕ_b^themselves$_a$	
		embezzlers$_c$^ϕ_b		

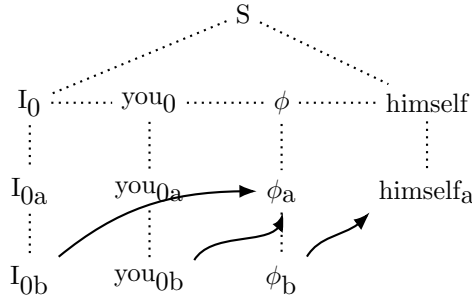| Interpretations |
|---|
| embezzlers$_c$^ϕ_b^themselves$_a$ |

(13.15) *It was difficult to sketch himself.

(13.15) *It was difficult to sketch himself.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I$_0$	+	+	−	−	−	?	+	−	−
you$_0$	+	−	+	−	?	?	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
himself	+	−	−	+	−	−	+	+	−

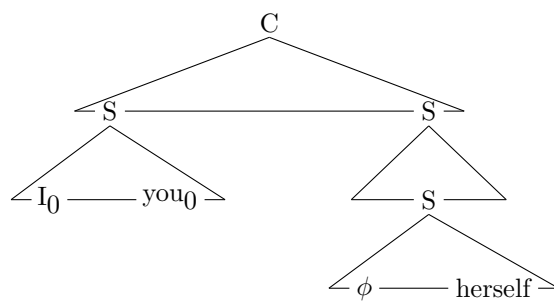|	Nodes
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:I_0, ftr:[++---?+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b, pr:0, su:4, nu:3)
3a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:3_b)
3b	(E, sub:B, ftr:[++---?+--], np:3, ch:7_a, co:0)
4	(N, lit:you_0, ftr:[+-+-??+--], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_b, pr:3, su:7, nu:4)
4a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:4_b)
4b	(E, sub:B, ftr:[+-+-??+--], np:4, ch:7_a, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(S, up:5, dn:7, lt:0, rt:0, th:7, nu:6)
7	(N, lit:ϕ, ftr:[+??????--], up:6, dn:0, lt:0, rt:8, th:8, np:7, ch:0, co:7_a, ec:7_b, pr:4, su:8, nu:7)
7a	(E, sub:A, ftr:[+??????--], np:7, ch:0, co:7_b)
7b	(E, sub:B, ftr:[+--+--+--], np:7, ch:8_a, co:0)
8	(N, lit:himself, ftr:[+--+--++-], up:6, dn:0, lt:7, rt:0, th:0, np:8, ch:0, co:8_a, ec:8_a, pr:7, su:0, nu:8)
8a	(E, sub:A, ftr:[+--+--++-], np:8, ch:0, co:0)

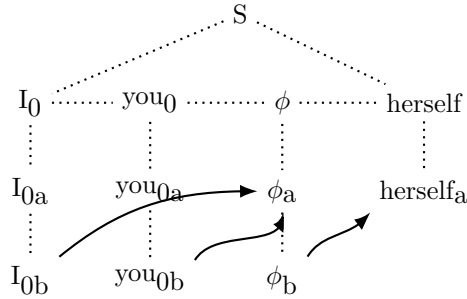| Chaining			
I_0	**you_0**	ϕ	**himself**
I_{0a}	you_{0a}	ϕ_a	$himself_a$
I_{0b}^ϕ_a	you_{0b}^ϕ_a	ϕ_b^$himself_a$	

Interpretations
NONE

(13.16) *It was difficult to sketch herself.

(13.16) *It was difficult to sketch herself.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
herself	+	−	−	+	−	+	+	+	−

	Nodes
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:I_0, ftr:[++---?+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b, pr:0, su:4, nu:3)
3a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:3_b)
3b	(E, sub:B, ftr:[++---?+--], np:3, ch:7_a, co:0)
4	(N, lit:you_0, ftr:[+-+-??+--], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_b, pr:3, su:7, nu:4)
4a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:4_b)
4b	(E, sub:B, ftr:[+-+-??+--], np:4, ch:7_a, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(S, up:5, dn:7, lt:0, rt:0, th:7, nu:6)
7	(N, lit:ϕ, ftr:[+??????--], up:6, dn:0, lt:0, rt:8, th:8, np:7, ch:0, co:7_a, ec:7_b, pr:4, su:8, nu:7)
7a	(E, sub:A, ftr:[+??????--], np:7, ch:0, co:7_b)
7b	(E, sub:B, ftr:[+--+-++--], np:7, ch:8_a, co:0)
8	(N, lit:herself, ftr:[+--+-+++-], up:6, dn:0, lt:7, rt:0, th:0, np:8, ch:0, co:8_a, ec:8_a, pr:7, su:0, nu:8)
8a	(E, sub:A, ftr:[+--+-+++-], np:8, ch:0, co:0)

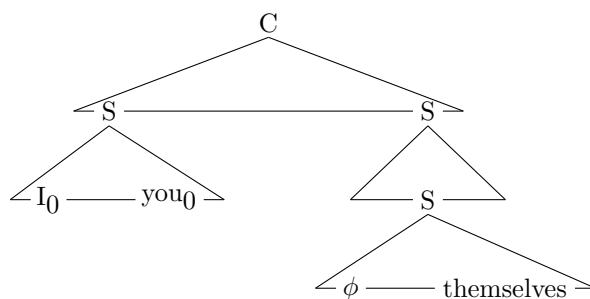| Chaining			
I_0	**you_0**	ϕ	**herself**
I_{0a}	you_{0a}	ϕ_a	$herself_a$
$I_{0b}\char`^\phi_a$	$you_{0b}\char`^\phi_a$	$\phi_b\char`^herself_a$	

Interpretations
NONE

(13.17) *It was difficult to sketch themselves.

(13.17) *It was difficult to sketch themselves.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
themselves	+	−	−	+	+	?	?	+	−

Nodes	
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:I_0, ftr:[++---?+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b, pr:0, su:4, nu:3)
3a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:3_b)
3b	(E, sub:B, ftr:[++---?+--], np:3, ch:7_a, co:0)
4	(N, lit:you_0, ftr:[+-+-??+--], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_b, pr:3, su:7, nu:4)
4a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:4_b)
4b	(E, sub:B, ftr:[+-+-??+--], np:4, ch:7_a, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(S, up:5, dn:7, lt:0, rt:0, th:7, nu:6)
7	(N, lit:ϕ, ftr:[+??????--], up:6, dn:0, lt:0, rt:8, th:8, np:7, ch:0, co:7_a, ec:7_b, pr:4, su:8, nu:7)
7a	(E, sub:A, ftr:[+??????--], np:7, ch:0, co:7_b)
7b	(E, sub:B, ftr:[+--++??--], np:7, ch:8_a, co:0)
8	(N, lit:themselves, ftr:[+--++??+-], up:6, dn:0, lt:7, rt:0, th:0, np:8, ch:0, co:8_a, ec:8_a, pr:7, su:0, nu:8)
8a	(E, sub:A, ftr:[+--++??+-], np:8, ch:0, co:0)

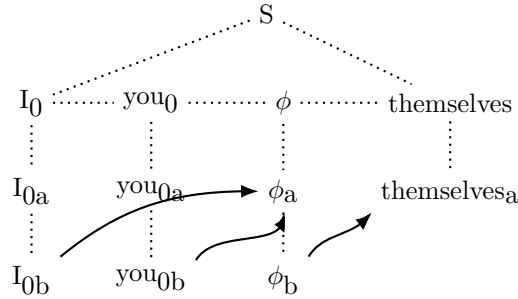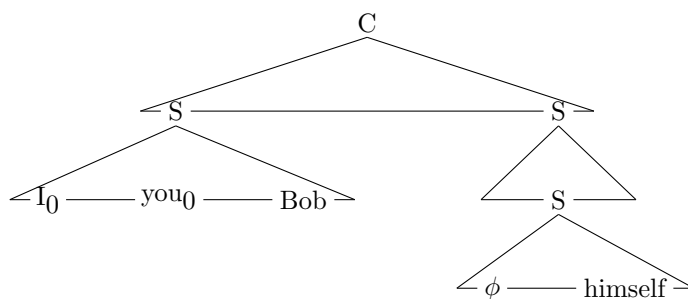| Chaining			
I_0	**you_0**	ϕ	**themselves**
I_{0a}	you_{0a}	ϕ_a	$themselves_a$
I_{0b}^ϕ_a	you_{0b}^ϕ_a	ϕ_b^$themselves_a$	

Interpretations
NONE

(13.18) [Bob] It was difficult to sketch himself.

(13.18) [Bob] It was difficult to sketch himself.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
$\mathbf{I_0}$	+	+	−	−	−	?	+	−	−
$\mathbf{you_0}$	+	−	+	−	?	?	+	−	−
Bob	−	−	−	+	−	−	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
himself	+	−	−	+	−	−	+	+	−

	Nodes
1	`(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)`
2	`(S, up:1, dn:3, lt:0, rt:6, th:3, nu:2)`

3	`(N, lit:I`$_0$`, ftr:[++---?+--], up:2, dn:0,`
	 `lt:0, rt:4, th:4, np:3, ch:0, co:3`$_a$`, ec:3`$_b$`,`
	 `pr:0, su:4, nu:3)`

3a	`(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:3`$_b$`)`
3b	`(E, sub:B, ftr:[++---?+--], np:3, ch:8`$_a$`, co:0)`

4	`(N, lit:you`$_0$`, ftr:[+-+-??+--], up:2, dn:0,`
	 `lt:3, rt:5, th:5, np:4, ch:0, co:4`$_a$`, ec:4`$_b$`,`
	 `pr:3, su:5, nu:4)`

4a	`(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:4`$_b$`)`
4b	`(E, sub:B, ftr:[+-+-??+--], np:4, ch:8`$_a$`, co:0)`

5	`(N, lit:Bob, ftr:[---+--+--], up:2, dn:0,`
	 `lt:4, rt:0, th:6, np:5, ch:0, co:5`$_a$`, ec:5`$_c$`,`
	 `pr:4, su:8, nu:5)`

5a	`(E, sub:A, ftr:[---+--+--], np:5, ch:0, co:5`$_b$`)`
5b	`(E, sub:B, ftr:[---+--+--], np:5, ch:8`$_a$`, co:5`$_c$`)`
5c	`(E, sub:C, ftr:[---+--+--], np:5, ch:8`$_b$`, co:0)`
6	`(S, up:1, dn:7, lt:2, rt:0, th:7, nu:6)`
7	`(S, up:6, dn:8, lt:0, rt:0, th:8, nu:7)`

8	`(N, lit:`ϕ`, ftr:[+??????--], up:7, dn:0,`
	 `lt:0, rt:9, th:9, np:8, ch:0, co:8`$_a$`, ec:8`$_b$`,`
	 `pr:5, su:9, nu:8)`

8a	`(E, sub:A, ftr:[+??????--], np:8, ch:0, co:8`$_b$`)`
8b	`(E, sub:B, ftr:[+--+--+--], np:8, ch:9`$_a$`, co:0)`

9	`(N, lit:himself, ftr:[+--+--++-], up:7, dn:0,`
	 `lt:8, rt:0, th:0, np:9, ch:0, co:9`$_a$`, ec:9`$_a$`,`
	 `pr:8, su:0, nu:9)`

9a	`(E, sub:A, ftr:[+--+--++-], np:9, ch:0, co:0)`

Chaining				
I$_0$	**you$_0$**	**Bob**	ϕ	**himself**
I$_{0a}$	you$_{0a}$	Bob$_a$	ϕ_a	himself$_a$
I$_{0b}$^ϕ_a	you$_{0b}$^ϕ_a	Bob$_b$^ϕ_a	ϕ_b^himself$_a$	
		Bob$_c$^ϕ_b		

Interpretations
Bob$_c$^ϕ_b^himself$_a$

(13.19) [Linda] It was difficult to sketch herself.

(13.19) [Linda] It was difficult to sketch herself.

```
                              C
                  S ───────────────────── S
          I₀ ── you₀ ── Linda              S
                                       φ ── herself
```

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
Linda	−	−	−	+	−	+	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
herself	+	−	−	+	−	+	+	+	−

	Nodes
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:6, th:3, nu:2)
3	(N, lit:I_0, ftr:[++---?+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[++---?+--], np:3, ch:8_a, co:0)
4	(N, lit:you_0, ftr:[+-+-??+--], up:2, dn:0, lt:3, rt:5, th:5, np:4, ch:0, co:4_a, ec:4_b, pr:3, su:5, nu:4)
4_a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[+-+-??+--], np:4, ch:8_a, co:0)
5	(N, lit:Linda, ftr:[---+-++--], up:2, dn:0, lt:4, rt:0, th:6, np:5, ch:0, co:5_a, ec:5_c, pr:4, su:8, nu:5)
5_a	(E, sub:A, ftr:[---+-++--], np:5, ch:0, co:5_b)
5_b	(E, sub:B, ftr:[---+-++--], np:5, ch:8_a, co:5_c)
5_c	(E, sub:C, ftr:[---+-++--], np:5, ch:8_b, co:0)
6	(S, up:1, dn:7, lt:2, rt:0, th:7, nu:6)
7	(S, up:6, dn:8, lt:0, rt:0, th:8, nu:7)
8	(N, lit:ϕ, ftr:[+??????--], up:7, dn:0, lt:0, rt:9, th:9, np:8, ch:0, co:8_a, ec:8_b, pr:5, su:9, nu:8)
8_a	(E, sub:A, ftr:[+??????--], np:8, ch:0, co:8_b)
8_b	(E, sub:B, ftr:[+--+-++--], np:8, ch:9_a, co:0)
9	(N, lit:herself, ftr:[+--+-+++-], up:7, dn:0, lt:8, rt:0, th:0, np:9, ch:0, co:9_a, ec:9_a, pr:8, su:0, nu:9)
9_a	(E, sub:A, ftr:[+--+-+++-], np:9, ch:0, co:0)

Chaining				
$\mathbf{I_0}$	$\mathbf{you_0}$	**Linda**	ϕ	**herself**
I_{0a}	you_{0a}	$Linda_a$	ϕ_a	$herself_a$
$I_{0b}\char`^\phi_a$	$you_{0b}\char`^\phi_a$	$Linda_b\char`^\phi_a$	$\phi_b\char`^herself_a$	
		$Linda_c\char`^\phi_b$		

Interpretations
$Linda_c\char`^\phi_b\char`^herself_a$

(13.20) [the bank embezzlers] It was difficult to sketch themselves.

(13.20) [the bank embezzlers] It was difficult to sketch themselves.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
embezzlers	−	−	−	+	+	?	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
themselves	+	−	−	+	+	?	?	+	−

	Nodes
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:6, th:3, nu:2)
3	(N, lit:I_0, ftr:[++---?+--], up:2, dn:0,
	lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_b,
	pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[++---?+--], np:3, ch:8_a, co:0)
4	(N, lit:you_0, ftr:[+-+-??+--], up:2, dn:0,
	lt:3, rt:5, th:5, np:4, ch:0, co:4_a, ec:4_b,
	pr:3, su:5, nu:4)
4_a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[+-+-??+--], np:4, ch:8_a, co:0)
5	(N, lit:embezzlers, ftr:[---++?+--], up:2, dn:0,
	lt:4, rt:0, th:6, np:5, ch:0, co:5_a, ec:5_c,
	pr:4, su:8, nu:5)
5_a	(E, sub:A, ftr:[---++?+--], np:5, ch:0, co:5_b)
5_b	(E, sub:B, ftr:[---++?+--], np:5, ch:8_a, co:5_c)
5_c	(E, sub:C, ftr:[---++?+--], np:5, ch:8_b, co:0)
6	(S, up:1, dn:7, lt:2, rt:0, th:7, nu:6)
7	(S, up:6, dn:8, lt:0, rt:0, th:8, nu:7)
8	(N, lit:ϕ, ftr:[+??????--], up:7, dn:0,
	lt:0, rt:9, th:9, np:8, ch:0, co:8_a, ec:8_b,
	pr:5, su:9, nu:8)
8_a	(E, sub:A, ftr:[+??????--], np:8, ch:0, co:8_b)
8_b	(E, sub:B, ftr:[+--++??--], np:8, ch:9_a, co:0)
9	(N, lit:themselves, ftr:[+--++??+-], up:7, dn:0,
	lt:8, rt:0, th:0, np:9, ch:0, co:9_a, ec:9_a,
	pr:8, su:0, nu:9)
9_a	(E, sub:A, ftr:[+--++??+-], np:9, ch:0, co:0)

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Chaining				
I$_0$	**you$_0$**	**embezzlers**	ϕ	**themselves**
I$_{0a}$	you$_{0a}$	embezzlers$_a$	ϕ_a	themselves$_a$
I$_{0b}$^ϕ_a	you$_{0b}$^ϕ_a	embezzlers$_b$^ϕ_a	ϕ_b^themselves$_a$	
		embezzlers$_c$^ϕ_b		

Interpretations
embezzlers$_c$^ϕ_b^themselves$_a$

(13.21) It was difficult to sketch myself.

(13.21) It was difficult to sketch myself.

Features									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
myself	+	+	−	−	−	?	+	+	−

	Nodes
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:5, th:3, nu:2)
3	(N, lit:I_0, ftr:[++---?+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_c, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[++---?+--], np:3, ch:7_a, co:3_c)
3_c	(E, sub:C, ftr:[++---?+--], np:3, ch:7_b, co:0)
4	(N, lit:you_0, ftr:[+-+-??+--], up:2, dn:0, lt:3, rt:0, th:5, np:4, ch:0, co:4_a, ec:4_b, pr:3, su:7, nu:4)
4_a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[+-+-??+--], np:4, ch:7_a, co:0)
5	(S, up:1, dn:6, lt:2, rt:0, th:6, nu:5)
6	(S, up:5, dn:7, lt:0, rt:0, th:7, nu:6)
7	(N, lit:ϕ, ftr:[+??????--], up:6, dn:0, lt:0, rt:8, th:8, np:7, ch:0, co:7_a, ec:7_b, pr:4, su:8, nu:7)
7_a	(E, sub:A, ftr:[+??????--], np:7, ch:0, co:7_b)
7_b	(E, sub:B, ftr:[++---?+--], np:7, ch:8_a, co:0)
8	(N, lit:myself, ftr:[++---?++-], up:6, dn:0, lt:7, rt:0, th:0, np:8, ch:0, co:8_a, ec:8_a, pr:7, su:0, nu:8)
8_a	(E, sub:A, ftr:[++---?++-], np:8, ch:0, co:0)

Chaining			
I_0	**you_0**	**ϕ**	**myself**
I_{0a}	you_{0a}	ϕ_a	$myself_a$
$I_{0b}{}^{\wedge}\phi_a$	$you_{0b}{}^{\wedge}\phi_a$	$\phi_b{}^{\wedge}myself_a$	
$I_{0c}{}^{\wedge}\phi_b$			

Interpretations
$I_{0_c} \char`^ \phi_b \char`^ \mathtt{myself}_a$

(13.22) [toy] Give me that!

(13.22) [toy] Give me that!
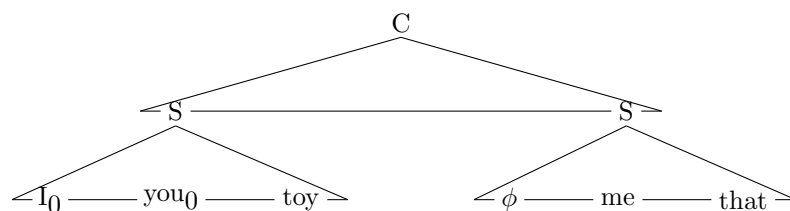
Features								
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
I_0	+	+	−	−	−	?	+	−	−
you_0	+	−	+	−	?	?	+	−	−
toy	−	−	−	+	−	?	?	−	−
ϕ	+	?	?	?	?	?	?	−	−
me	+	+	−	−	−	?	+	−	−
that	+	−	−	+	−	?	?	−	−

	Nodes
1	(C, up:0, dn:2, lt:0, rt:0, th:2, nu:1)
2	(S, up:1, dn:3, lt:0, rt:6, th:3, nu:2)
3	(N, lit:I_0, ftr:[++---?+--], up:2, dn:0, lt:0, rt:4, th:4, np:3, ch:0, co:3_a, ec:3_c, pr:0, su:4, nu:3)
3_a	(E, sub:A, ftr:[++---?+--], np:3, ch:0, co:3_b)
3_b	(E, sub:B, ftr:[++---?+--], np:3, ch:8_a, co:3_c)
3_c	(E, sub:C, ftr:[++---?+--], np:3, ch:7_a, co:0)
4	(N, lit:you_0, ftr:[+-+-??+--], up:2, dn:0, lt:3, rt:5, th:5, np:4, ch:0, co:4_a, ec:4_b, pr:3, su:5, nu:4)
4_a	(E, sub:A, ftr:[+-+-??+--], np:4, ch:0, co:4_b)
4_b	(E, sub:B, ftr:[+-+-??+--], np:4, ch:7_a, co:0)
5	(N, lit:toy, ftr:[---+-??--], up:2, dn:0, lt:4, rt:0, th:6, np:5, ch:0, co:5_a, ec:5_c, pr:4, su:7, nu:5)
5_a	(E, sub:A, ftr:[---+-??--], np:5, ch:0, co:5_b)
5_b	(E, sub:B, ftr:[---+-??--], np:5, ch:9_a, co:5_c)
5_c	(E, sub:C, ftr:[---+-??--], np:5, ch:7_a, co:0)
6	(S, up:1, dn:7, lt:2, rt:0, th:7, nu:6)
7	(N, lit:ϕ, ftr:[+??????--], up:6, dn:0, lt:0, rt:8, th:8, np:7, ch:0, co:7_a, ec:7_a, pr:5, su:8, nu:7)
7_a	(E, sub:A, ftr:[+??????--], np:7, ch:0, co:0)
8	(N, lit:me, ftr:[++---?+--], up:6, dn:0, lt:7, rt:9, th:9, np:8, ch:0, co:8_a, ec:8_a, pr:7, su:9, nu:8)
8_a	(E, sub:A, ftr:[++---?+--], np:8, ch:0, co:0)
9	(N, lit:that, ftr:[+--+-??--], up:6, dn:0, lt:8, rt:0, th:0, np:9, ch:0, co:9_a, ec:9_a, pr:8, su:0, nu:9)
9_a	(E, sub:A, ftr:[+--+-??--], np:9, ch:0, co:0)

S

I_0 you_0 toy ϕ me   that

I_{0a} you_{0a} toy_a ϕ_a me_a $that_a$

I_{0b} you_{0b} toy_b

I_{0c} toy_c
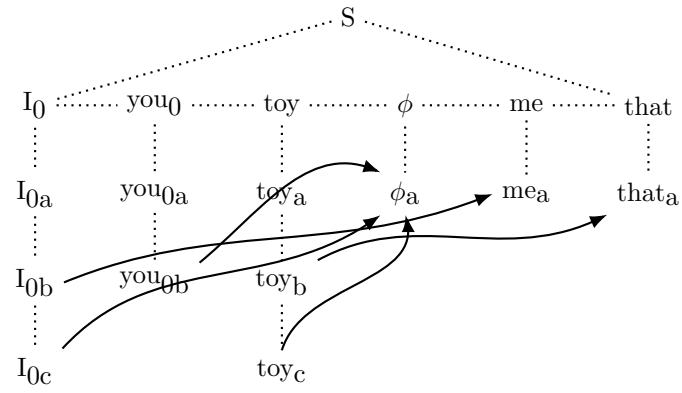
Chaining					
I_0	**you_0**	**toy**	**ϕ**	**me**	**that**
I_{0a}	you_{0a}	toy_a	ϕ_a	me_a	$that_a$
I_{0b}^me_a	you_{0b}^ϕ_a	toy_b^$that_a$			
I_{0c}^ϕ_a		toy_c^ϕ_a			

Interpretations
you_{0b}^ϕ_a toy_b^$that_a$
I_{0b}^me_a you_{0b}^ϕ_a toy_b^$that_a$
I_{0c}^ϕ_a toy_b^$that_a$

Summary

Summary	
Meaningless	36
Meaningful	59
Ambiguous	14
Correct	76
Total	109
Score	69.7%

Lexicon

Lexicon									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
Algernon	−	−	−	+	−	−	+	−	−
Anna	−	−	−	+	−	+	+	−	−
Bernie	−	−	−	+	−	−	+	−	−
Bill	−	−	−	+	−	−	+	−	−
Bob	−	−	−	+	−	−	+	−	−
Ernie	−	−	−	+	−	−	+	−	−
Fred	−	−	−	+	−	−	+	−	−
Harry	−	−	−	+	−	−	+	−	−
I	+	+	−	−	−	?	+	−	−
Jack	−	−	−	+	−	−	+	−	−
Janet	−	−	−	+	−	+	+	−	−
Jill	−	−	−	+	−	+	+	−	−
John	−	−	−	+	−	−	+	−	−
June	−	−	−	+	−	+	+	−	−
Las Vegas	−	−	−	+	−	?	−	−	−
Linda	−	−	−	+	−	+	+	−	−
Mary	−	−	−	+	−	+	+	−	−
Mig	−	−	−	+	−	?	−	−	−
Oscar	−	−	−	+	−	−	+	−	−
ϕ	+	?	?	?	?	?	?	−	−
Penelope	−	−	−	+	−	+	+	−	−
Peter	−	−	−	+	−	−	+	−	−
Sandy	−	−	−	+	−	+	+	−	−
Sue	−	−	−	+	−	+	+	−	−
all	+	−	−	+	−	?	?	−	−
another	+	−	−	+	−	?	?	−	−
any	+	−	−	+	−	?	?	−	−
asshole	−	−	−	+	−	?	+	−	−
aunt	−	−	−	+	−	+	+	−	−
blame	−	−	−	+	−	?	?	−	−
boy	−	−	−	+	−	−	+	−	−
brother	−	−	−	+	−	−	+	−	−
camel	−	−	−	+	−	?	+	−	−
candy	−	−	−	+	−	?	−	−	−
cat	−	−	−	+	−	?	+	−	−
complaining	−	−	−	+	−	?	−	−	−
dad	−	−	−	+	−	−	+	−	−
daughter	−	−	−	+	−	+	+	−	−
each	+	−	−	+	−	?	?	−	−
embezzler	−	−	−	+	−	?	+	−	−

Lexicon								
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
father	−	−	−	+	−	−	+	−	−
fish	−	−	−	+	?	?	+	−	−
flower	−	−	−	+	−	?	−	−	−
gambler	−	−	−	+	−	?	+	−	−
girl	−	−	−	+	−	+	+	−	−
grandfather	−	−	−	+	−	−	+	−	−
grandmother	−	−	−	+	−	+	+	−	−
hat	−	−	−	+	−	?	−	−	−
he	+	−	−	+	−	−	+	−	−
her	+	−	−	+	−	+	+	−	?
hers	+	−	−	+	−	+	+	−	+
herself	+	−	−	+	−	+	+	+	−
him	+	−	−	+	−	−	+	−	−
himself	+	−	−	+	−	−	+	+	−
his	+	−	−	+	−	−	+	−	+
home	−	−	−	+	−	?	−	−	−
house	−	−	−	+	−	?	−	−	−
interest	−	−	−	+	−	?	−	−	−
it	+	−	−	+	−	?	−	−	−
its	+	−	−	+	−	?	−	−	+
itself	+	−	−	+	−	?	−	+	−
lawn	−	−	−	+	−	?	−	−	−
man	−	−	−	+	−	−	+	−	−
me	+	+	−	−	−	?	+	−	−
men	−	−	−	+	+	−	+	−	−
mosquito	−	−	−	+	−	?	+	−	−
mom	−	−	−	+	−	+	+	−	−
mother	−	−	−	+	−	+	+	−	−
mine	+	+	−	−	−	?	+	−	+
my	+	+	−	−	−	?	+	−	+
myself	+	+	−	−	−	?	+	+	−
neighbor	−	−	−	+	−	?	+	−	−
none	+	−	−	+	−	?	?	−	−
one	+	−	−	+	−	?	?	−	−
oneself	+	−	−	+	−	?	?	−	−
other	+	−	−	+	−	?	?	−	−
our	+	+	−	−	+	?	+	−	+
ours	+	+	−	−	+	?	+	−	+
ourselves	+	+	−	−	+	?	+	+	−
pen	−	−	−	+	−	?	−	−	−

Lexicon									
	PNF	**FPF**	**SPF**	**TPF**	**PLF**	**GNF**	**ANF**	**RPF**	**GEN**
pig	−	−	−	+	−	?	+	−	−
pilot	−	−	−	+	−	?	+	−	−
possibility	−	−	−	+	−	?	−	−	−
present	−	−	−	+	−	?	−	−	−
problem	−	−	−	+	−	?	−	−	−
she	+	−	−	+	−	+	+	−	−
sheep	−	−	−	+	?	?	+	−	−
sister	−	−	−	+	−	+	+	−	−
smokescreen	−	−	−	+	−	?	−	−	−
solution	−	−	−	+	−	?	−	−	−
some	+	−	−	+	−	?	?	−	−
somebody	+	−	−	+	−	?	+	−	−
son	−	−	−	+	−	−	+	−	−
student	−	−	−	+	−	?	+	−	−
supper	−	−	−	+	−	?	−	−	−
tax	−	−	−	+	−	?	−	−	−
that	+	−	−	+	−	?	?	−	−
their	+	−	−	+	+	?	+	−	+
theirs	+	−	−	+	+	?	+	−	+
them	+	−	−	+	+	?	?	−	−
themselves	+	−	−	+	+	?	?	+	−
these	+	−	−	+	+	?	+	−	−
they	+	−	−	+	+	?	+	−	−
this	+	−	−	+	−	?	+	−	−
those	+	−	−	+	+	?	+	−	−
toy	−	−	−	+	−	?	?	−	−
trouble	−	−	−	+	−	?	−	−	−
uncle	−	−	−	+	−	−	+	−	−
us	+	+	−	−	+	?	+	−	−
you	+	−	+	−	?	?	+	−	−
your	+	−	+	−	?	?	+	−	+
yours	+	−	+	−	?	?	+	−	+
yourself	+	−	+	−	−	?	+	+	−
yourselves	+	−	+	−	+	?	+	+	−
we	+	+	−	−	+	?	+	−	−
what	+	−	−	+	−	?	?	−	−
which	+	−	−	+	−	?	?	−	−
who	+	−	−	+	?	?	+	−	−
whom	+	−	−	+	?	?	+	−	−
whose	+	−	−	+	?	?	+	−	+