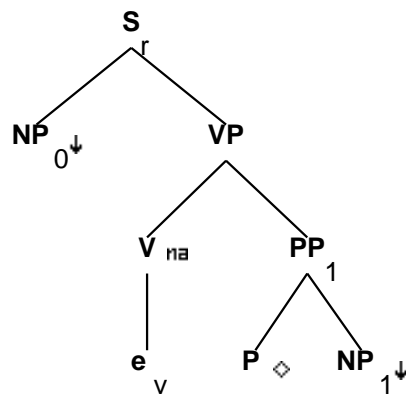


Family "Tnx0Pnx1"

March 5, 2008

1 Tree "alphanx0Pnx1"

1.1 graphe



1.2 comments

Declarative tree for predicative PPs. This tree family, like other predicative tree families, is anchored by the predicted object (here, the P), with the verb, if any, adjoining in.

EX: John is in the park.

The road is underneath the snow.

1.3 features

```
S_r.b:<extracted> = -
S_r.b:<inv> = -
S_r.b:<assign-comp> = VP.t:<assign-comp>
```

```
S_r.b:<mode> = VP.t:<mode>
S_r.b:<mainv> = VP.t:<mainv>
S_r.b:<comp> = nil
S_r.b:<tense> = VP.t:<tense>
NP_0:<agr> = S_r.b:<agr>
```

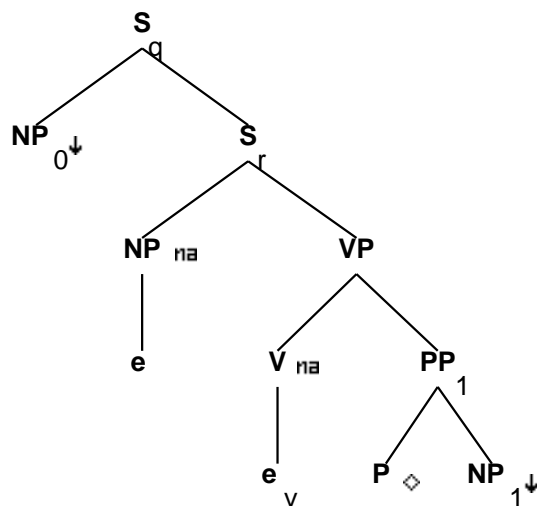
```

NP_0:<case> = S_r.b:<assign-case>
NP_0:<wh> = -
S_r.b:<agr> = VP.t:<agr>
S_r.b:<assign-case> = VP.t:<assign-case>
S_r.b:<passive> = VP.t:<passive>
VP.t:<passive> = -
VP.b:<mode> = prep
VP.b:<assign-case> = acc
VP.b:<compar> = -
PP_1.b:<assign-case> = P.t:<assign-case>
PP_1.b:<assign-case> = NP_1.t:<case>
PP_1.b:<wh> = NP_1.t:<wh>
S_r.b:<control> = NP_0.t:<control>

```

2 Tree "alphaW0nx0Pnx1"

2.1 graphe



2.2 comments

wh subject extraction tree for predicative PPs. This tree does wh+ sentences only, no topicalization, since subject can not topicalize. This tree family, like other predicative tree families, is anchored by the predicted object (here, the P), with the verb, if any, adjoining in.

EX: who is in the park?

what is underneath the snow?

2.3 features

S_q.b:<extracted> = +

S_q.b:<inv> = S_r.t:<inv>

```

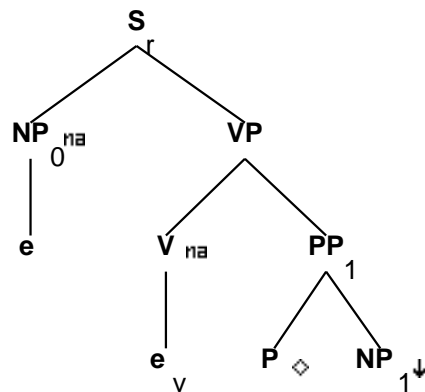
S_q.b:<wh> = NP_0.t:<wh>
S_r.t:<comp> = nil
S_r.b:<assign-comp> = VP.t:<assign-comp>

S_q.b:<comp> = nil
S_q.b:<mode> = S_r.t:<mode>
S_r.b:<mode> = VP.t:<mode>
S_r.b:<comp> = nil
S_r.b:<tense> = VP.t:<tense>
S_r.b:<inv> = -
NP:<trace> = NP_0:<trace>
NP:<agr> = NP_0:<agr>
NP:<case> = NP_0:<case>
NP:<wh> = NP_0:<wh>
NP_0:<wh> = +
S_r.b:<agr> = VP.t:<agr>
S_r.b:<assign-case> = VP.t:<assign-case>
S_r.b:<agr> = NP.t:<agr>
S_r.b:<assign-case> = NP.t:<case>
VP.b:<mode> = prep
VP.b:<assign-case> = acc
VP.b:<compar> = -
VP.t:<passive> = -
PP_1.b:<assign-case> = P.t:<assign-case>
PP_1.b:<assign-case> = NP_1.t:<case>
PP_1.b:<wh> = NP_1.t:<wh>
S_r.t:<conj> = nil
S_r.b:<assign-comp> = inf_nil/ind_nil/ecm

```

3 Tree "alphaInx0Pnx1"

3.1 graphe



3.2 comments

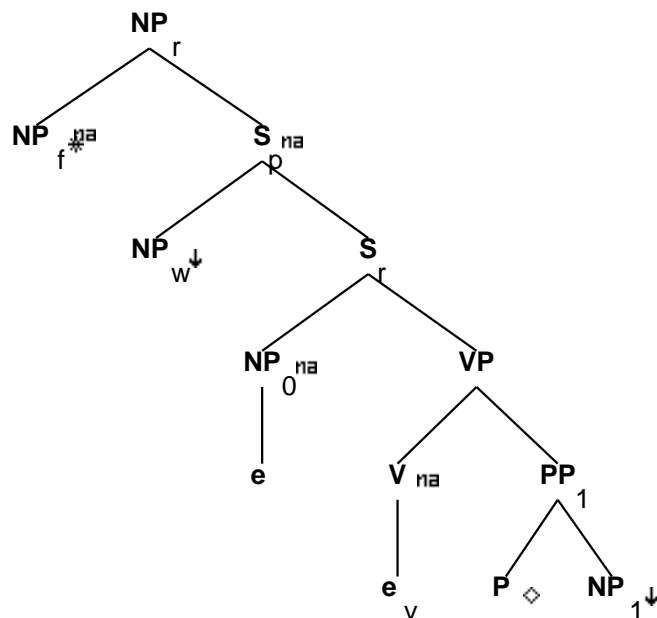
Imperative tree for predicative PPs. It should be noted the the imp form of BE that adjoins on has its own tree: IVvx. This tree family, like other predicative tree families, is anchored by the predicted object (here, the P), with the verb, if any, adjoining in.
EX: be in the park!

3.3 features

```
S_r.b:<extracted> = -  
S_r.b:<inv> = -  
S_r.b:<assign-comp> = VP.t:<assign-comp>  
  
S_r.b:<mode> = imp  
S_r.b:<mainv> = VP.t:<mainv>  
S_r.b:<comp> = nil  
S_r.b:<tense> = VP.t:<tense>  
NP_0:<agr> = S_r.b:<agr>  
NP_0:<case> = S_r.b:<assign-case>  
NP_0:<wh> = -  
NP_0:<agr pers> = 2  
NP_0:<agr 3rdsing> = -  
NP_0:<agr num> = plur/sing  
NP_0:<case> = nom  
S_r.b:<agr> = VP.t:<agr>  
S_r.b:<assign-case> = VP.t:<assign-case>  
S_r.b:<passive> = VP.t:<passive>  
VP.t:<passive> = -  
VP.t:<tense> = pres  
VP.t:<mode> = base  
VP.t:<neg> = -  
VP.b:<mode> = prep  
VP.b:<assign-case> = acc  
VP.b:<compar> = -  
PP_1.b:<assign-case> = P.t:<assign-case>  
PP_1.b:<assign-case> = NP_1.t:<case>  
PP_1.b:<wh> = NP_1.t:<wh>
```

4 Tree "betaN0nx0Pnx1"

4.1 graphe



4.2 comments

relative clause subject extraction tree for predicative PPs.

This tree family, like other predicative tree families, is anchored by the predicted object (here, the P), with the verb, if any, adjoining in.

EX: the man who is in the park ...is feeding the pigeons.

4.3 features

S_r.b:<assign-comp> = VP.t:<assign-comp>

S_r.b:<mode> = VP.t:<mode>

S_r.t:<mode> = ind/inf

S_r.b:<comp> = nil

S_r.b:<tense> = VP.t:<tense>

S_r.t:<inv> = -

S_r.b:<agr> = VP.t:<agr>

S_r.b:<assign-case> = VP.t:<assign-case>

S_r.b:<mainv> = VP.t:<mainv>

S_r.b:<agr> = NP_0.t:<agr>

S_r.b:<assign-case> = NP_0.t:<case>

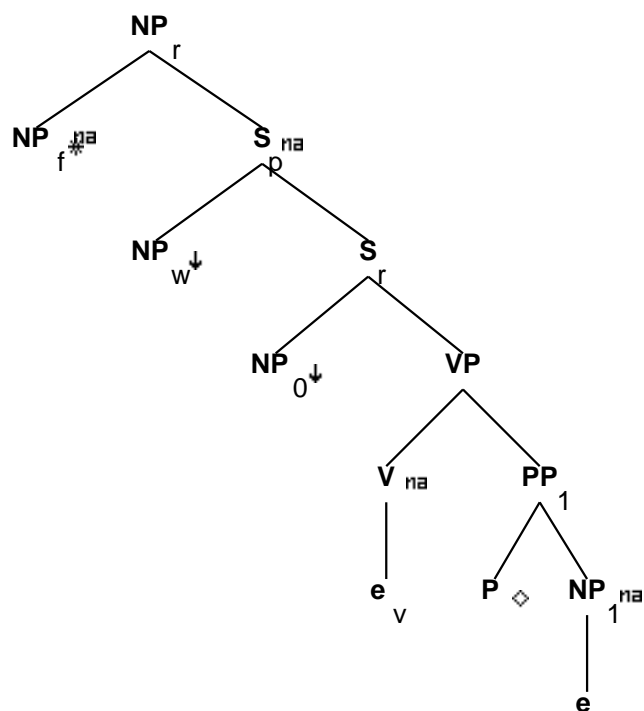
S_r.b:<passive> = VP.t:<passive>

VP.t:<passive> = -

```
NP_w.t:<trace> = NP_0.b:<trace>
NP_w.t:<case> = NP_0.b:<case>
NP_w.t:<agr> = NP_0.b:<agr>
NP_w.t:<wh> = +
S_r.t:<comp> = nil
NP_r.b:<rel-clause> = +
NP_f.b:<case> = nom/acc
NP_r.b:<pron> = NP_f.t:<pron>
```

5 Tree "betaN1nx0Pnx1"

5.1 graphe



5.2 comments

relative clause object extraction tree for NP embedded in the predicative PP.
This tree family (Tnx0Pnx1), like other predicative tree families, is anchored
by the predicted object (here, the P), with the verb, if any, adjoining in.
EX: the park that the man was at....is being torn up for condominiums.

NOTE: Currently, we are missing the tree that lets us do the following:
the park at which the man is...is being torn up for condominiums.

5.3 features

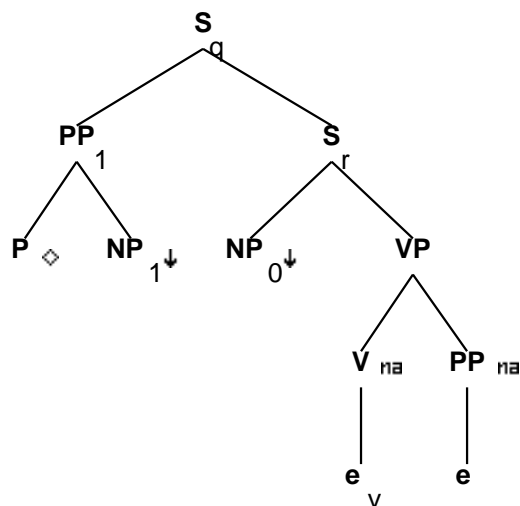
S_r.b:<assign-comp> = VP.t:<assign-comp>

VP.b:<compar> = -
S_r.b:<mode> = VP.t:<mode>
S_r.t:<mode> = ind/inf
S_r.b:<tense> = VP.t:<tense>
S_r.t:<inv> = -
S_r.b:<inv> = -
NP_0:<agr> = S_r.b:<agr>
NP_0:<case> = S_r.b:<assign-case>
S_r.b:<agr> = VP.t:<agr>
S_r.b:<tense> = VP.t:<tense>
S_r.b:<assign-case> = VP.t:<assign-case>
S_r.b:<mainv> = VP.t:<mainv>
S_r.b:<control> = NP_0.t:<control>
S_r.b:<passive> = VP.t:<passive>
VP.t:<passive> = -
VP.b:<mode> = prep
VP.b:<assign-case> = acc
PP_1.b:<assign-case> = P.t:<assign-case>
PP_1.b:<assign-case> = NP_1.t:<case>
NP_r.b:<wh> = NP_f.t:<wh>
NP_r.b:<agr> = NP_f.t:<agr>
NP_r.b:<case> = NP_f.t:<case>
S_r.t:<conj> = nil

NP_w.t:<trace> = NP_1.b:<trace>
NP_w.t:<case> = NP_1.b:<case>
NP_w.t:<agr> = NP_1.b:<agr>
NP_w.t:<wh> = +
S_r.t:<comp> = nil
NP_r.b:<rel-clause> = +
NP_f.b:<case> = nom/acc
NP_r.b:<pron> = NP_f.t:<pron>

6 Tree "alphaw1nx0Pnx1"

6.1 graphe



6.2 comments

WH object extraction for predicative PPs. This brings the Prep along for the ride with a wh+ NP. The tree in which the entire PP is extracted and made wh+ (i.e. where), is covered under the W1nx0Px1 tree in the Tnx0Px1 family. Here, topicalization is **not** possible. This tree family, like other predicative tree families, is anchored by the predicted object (here, the P), with the verb, if any, adjoining in.

EX: at what is John?

6.3 features

S_q.b:<extracted> = +

S_q.b:<inv> = S_r.t:<inv>

S_q.b:<inv> = S_q.b:<invlink>

S_r.t:<comp> = nil

S_r.b:<assign-comp> = VP.t:<assign-comp>

VP.b:<mode> = prep

VP.b:<assign-case> = acc

VP.b:<compar> = -

S_q.b:<mode> = S_r.t:<mode>

S_q.b:<comp> = nil

S_r.b:<mode> = VP.t:<mode>

S_r.b:<mainv> = VP.t:<mainv>

S_r.b:<comp> = nil

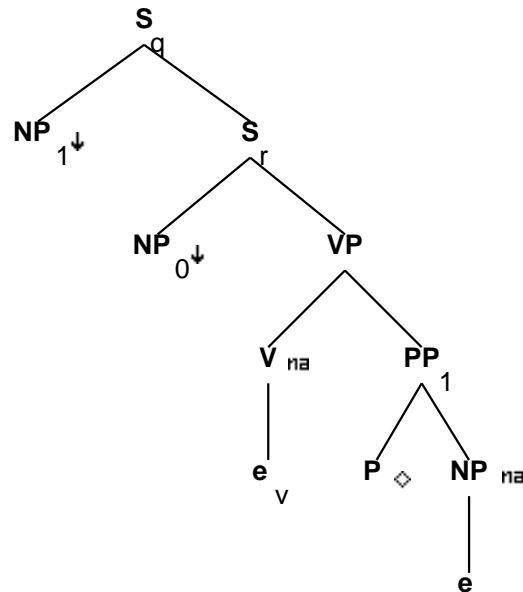

```

S_r.b:<inv> = -
S_r.b:<passive> = VP.t:<passive>
VP.t:<passive> = -
NP_0:<agr> = S_r.b:<agr>
NP_0:<case> = S_r.b:<assign-case>
S_r.b:<agr> = VP.t:<agr>
S_r.b:<assign-case> = VP.t:<assign-case>
S_r.b:<tense> = VP.t:<tense>
S_q.b:<wh> = PP_1.t:<wh>
PP_1.t:<trace> = PP.t:<trace>
PP_1.b:<assign-case> = P.t:<assign-case>
PP_1.b:<assign-case> = NP_1.t:<case>
PP_1.b:<wh> = NP_1.t:<wh>
S_r.t:<conj> = nil
S_r.b:<control> = NP_0.t:<control>

```

7 Tree "alphaW1nx0Pnx1"

7.1 graphe



7.2 comments

wh subject extraction tree for predicative PPs. This tree does wh+ sentences only, no topicalization, since subject can not topicalize. This tree family, like other predicative tree families, is anchored by the predicted object (here, the P), with the verb, if any, adjoining in.

EX: who is in the park?

what is underneath the snow?

7.3 features

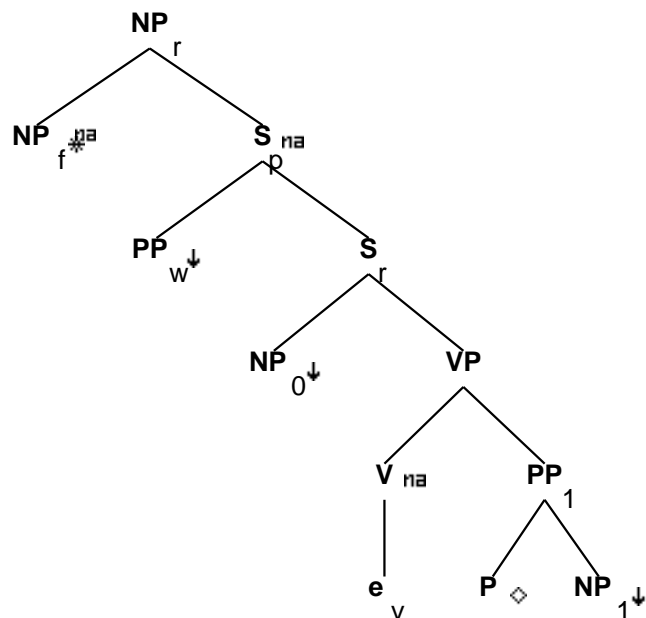
```
S_q.b:<extracted> = +

S_q.b:<inv> = S_r.t:<inv>
S_q.b:<inv> = S_q.b:<invlink>
S_q.b:<wh> = NP_1.t:<wh>
S_r.t:<comp> = nil
S_r.b:<assign-comp> = VP.t:<assign-comp>


S_q.b:<comp> = nil
S_q.b:<mode> = S_r.t:<mode>
S_r.b:<mode> = VP.t:<mode>
S_r.b:<mainv> = VP.t:<mainv>
S_r.b:<comp> = nil
S_r.b:<tense> = VP.t:<tense>
S_r.b:<inv> = -
NP:<trace> = NP_1:<trace>
NP:<agr> = NP_1:<agr>
NP:<case> = NP_1:<case>
NP:<wh> = NP_1:<wh>
S_r.b:<agr> = VP.t:<agr>
S_r.b:<assign-case> = VP.t:<assign-case>
S_r.b:<agr> = NP_0.t:<agr>
S_r.b:<assign-case> = NP_0.t:<case>
S_r.b:<control> = NP_0.t:<control>
S_r.b:<passive> = VP.t:<passive>
VP.t:<passive> = -
VP.b:<mode> = prep
VP.b:<assign-case> = acc
VP.b:<compar> = -
PP_1.b:<assign-case> = P.t:<assign-case>
PP_1.b:<assign-case> = NP.t:<case>
PP_1.b:<wh> = NP.t:<wh>
S_r.t:<conj> = nil
```

8 Tree "betaNpxnx0Pnx1"

8.1 graphe



8.2 comments

Declarative tree for predicative PPs. This tree family, like other predicative tree families, is anchored by the predicted object (here, the P), with the verb, if any, adjoining in.

EX: John is in the park.

The road is underneath the snow.

8.3 features

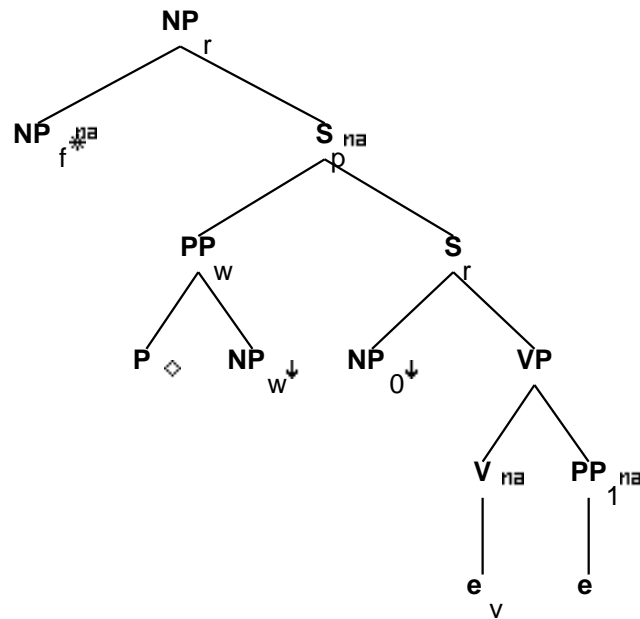
S_r.b:<extracted> = -
 S_r.b:<inv> = -
 S_r.b:<assign-comp> = VP.t:<assign-comp>

VP.b:<compar> = -
 S_r.b:<mode> = VP.t:<mode>
 S_r.b:<mainv> = VP.t:<mainv>
 S_r.b:<comp> = nil
 S_r.b:<tense> = VP.t:<tense>
 NP_0:<agr> = S_r.b:<agr>
 NP_0:<case> = S_r.b:<assign-case>
 NP_0:<wh> = -
 S_r.b:<agr> = VP.t:<agr>
 S_r.b:<assign-case> = VP.t:<assign-case>

S_r.b:<passive> = VP.t:<passive>
 VP.t:<passive> = -
 VP.b:<mode> = prep
 VP.b:<assign-case> = acc
 PP_1.b:<assign-case> = P.t:<assign-case>
 PP_1.b:<assign-case> = NP_1.t:<case>
 P.b:<wh> = -
 S_r.b:<control> = NP_0.t:<control>
 S_r.t:<inv> = -
 PP_w.t:<wh> = +
 NP_r.b:<wh> = NP_f.t:<wh>
 NP_r.b:<agr> = NP_f.t:<agr>
 NP_r.b:<case> = NP_f.t:<case>
 NP_f.b:<case> = acc/nom
 S_r.t:<comp> = nil
 NP_r.b:<rel-clause> = +
 NP_f.b:<case> = nom/acc
 NP_r.b:<pron> = NP_f.t:<pron>

9 Tree "betaNPnx1nx0Pnx1"

9.1 graphe



9.2 comments

relative clause object extraction tree for NP embedded in the predicative PP.
 This tree family (Tnx0Pnx1), like other predicative tree families, is anchored
 by the predicted object (here, the P), with the verb, if any, adjoining in.
 EX: the park that the man was at....is being torn up for condominiums.

NOTE: Currently, we are missing the tree that lets us do the following:
the park at which the man is...is being torn up for condominiums.

9.3 features

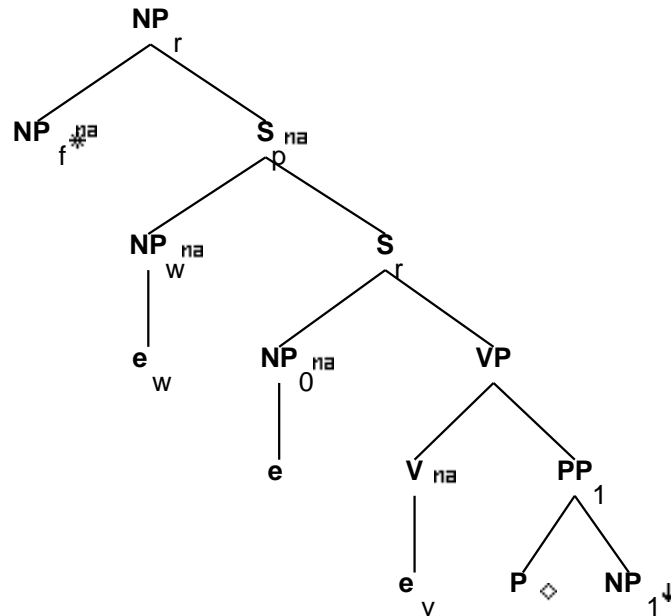
S_r.b:<assign-comp> = VP.t:<assign-comp>

VP.b:<compar> = -
S_r.b:<mode> = VP.t:<mode>
S_r.t:<mode> = ind/inf
S_r.b:<tense> = VP.t:<tense>
S_r.t:<inv> = -
S_r.b:<inv> = -
NP_0.<agr> = S_r.b:<agr>
NP_0.<case> = S_r.b:<assign-case>
S_r.b:<agr> = VP.t:<agr>
S_r.b:<tense> = VP.t:<tense>
S_r.b:<assign-case> = VP.t:<assign-case>
S_r.b:<mainv> = VP.t:<mainv>
S_r.b:<control> = NP_0.t:<control>
S_r.b:<passive> = VP.t:<passive>
VP.t:<passive> = -
VP.b:<mode> = prep
VP.b:<assign-case> = acc
NP_r.b:<wh> = NP_f.t:<wh>
NP_r.b:<agr> = NP_f.t:<agr>
NP_r.b:<case> = NP_f.t:<case>
S_r.t:<conj> = nil

NP_w.t:<wh> = +
S_r.t:<comp> = nil
PP_w.t:<trace> = PP_1.b:<trace>
PP_w.t:<case> = PP_1.b:<case>
PP_w.t:<agr> = PP_1.b:<agr>
PP_w.b:<assign-case> = P.t:<assign-case>
PP_w.b:<assign-case> = NP_w.t:<assign-case>
PP_w.b:<wh> = NP_w.t:<wh>
NP_r.b:<rel-clause> = +
NP_f.b:<case> = nom/acc
NP_r.b:<pron> = NP_f.t:<pron>

10 Tree "betaNc0nx0Pnx1"

10.1 graphe



10.2 comments

relative clause subject extraction tree for predicative PPs.

This tree family, like other predicative tree families, is anchored by the predicted object (here, the P), with the verb, if any, adjoining in.

EX: the man who is in the park ...is feeding the pigeons.

10.3 features

S_r.b:<assign-comp> = VP.t:<assign-comp>

VP.b:<compar> = -

S_r.b:<mode> = VP.t:<mode>

S_r.b:<comp> = nil

S_r.b:<tense> = VP.t:<tense>

S_r.t:<inv> = -

S_r.b:<agr> = VP.t:<agr>

S_r.b:<assign-case> = VP.t:<assign-case>

S_r.b:<mainv> = VP.t:<mainv>

S_r.b:<agr> = NP_0.t:<agr>

S_r.b:<assign-case> = NP_0.t:<case>

S_r.b:<passive> = VP.t:<passive>

VP.t:<passive> = -

```

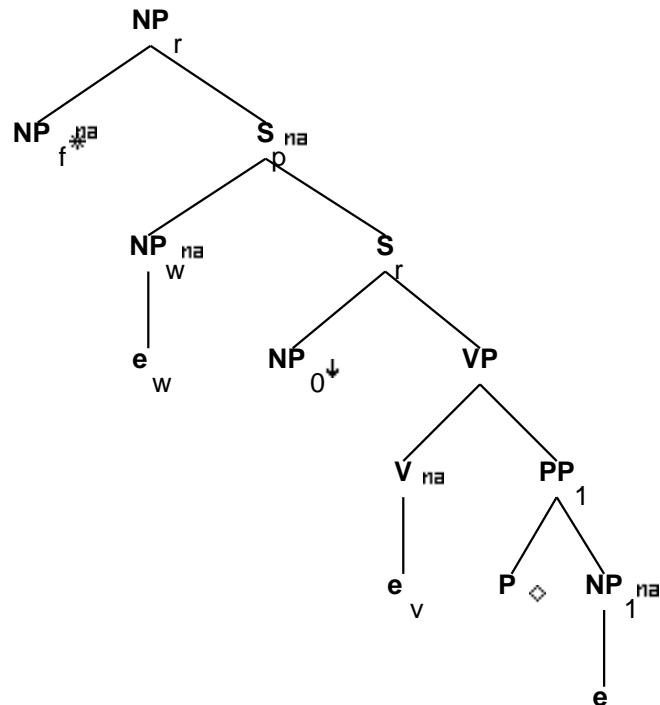
VP.b:<mode> = prep
VP.b:<assign-case> = acc
PP_1.b:<assign-case> = P.t:<assign-case>
PP_1.b:<assign-case> = NP_1.t:<case>
P.b:<wh> = -
NP_r.b:<wh> = NP_f.t:<wh>
NP_r.b:<agr> = NP_f.t:<agr>
NP_r.b:<case> = NP_f.t:<case>
S_r.t:<conj> = nil

NP_w.t:<trace> = NP_0.b:<trace>
NP_w.t:<case> = NP_0.b:<case>
NP_w.t:<agr> = NP_0.b:<agr>
NP_r.b:<rel-clause> = +
S_r.t:<mode> = inf/ger/ind/prep
S_r.t:<nocomp-mode> = inf/ger/prep
VP.t:<assign-comp> = that/ind_nil/inf_nil/ecm
S_r.b:<nocomp-mode> = S_r.b:<mode>
NP_f.b:<case> = nom/acc
NP_r.b:<pron> = NP_f.t:<pron>

```

11 Tree "betaNc1nx0Pnx1"

11.1 graphe



11.2 comments

relative clause object extraction tree for NP embedded in the predicative PP.
This tree family (Tnx0Pnx1), like other predicative tree families, is anchored by the predicted object (here, the P), with the verb, if any, adjoining in.
EX: the park that the man was at....is being torn up for condominiums.

NOTE: Currently, we are missing the tree that lets us do the following:
the park at which the man is...is being torn up for condominiums.

11.3 features

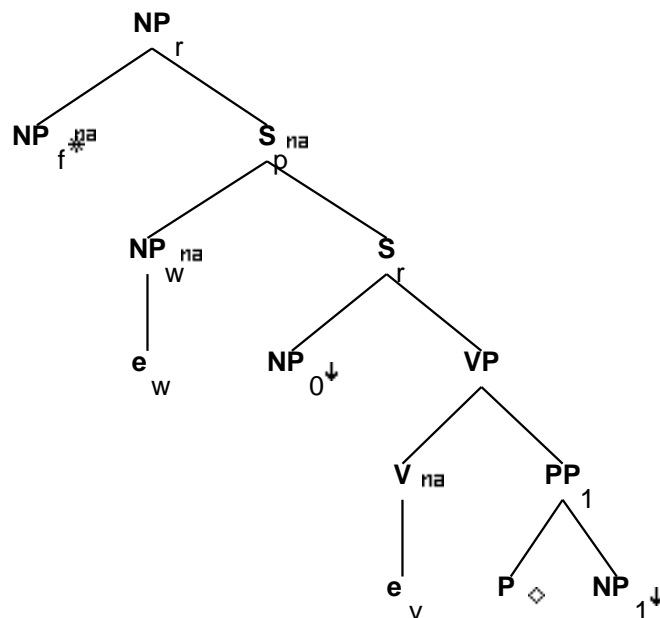
S_r.b:<assign-comp> = VP.t:<assign-comp>

VP.b:<compar> = -
S_r.b:<mode> = VP.t:<mode>
S_r.b:<tense> = VP.t:<tense>
S_r.t:<inv> = -
S_r.b:<inv> = -
NP_0:<agr> = S_r.b:<agr>
NP_0:<case> = S_r.b:<assign-case>
S_r.b:<agr> = VP.t:<agr>
S_r.b:<tense> = VP.t:<tense>
S_r.b:<assign-case> = VP.t:<assign-case>
S_r.b:<mainv> = VP.t:<mainv>
S_r.b:<control> = NP_0.t:<control>
S_r.b:<passive> = VP.t:<passive>
VP.t:<passive> = -
VP.b:<mode> = prep
VP.b:<assign-case> = acc
PP_1.b:<assign-case> = P.t:<assign-case>
PP_1.b:<assign-case> = NP_1.t:<case>
NP_r.b:<wh> = NP_f.t:<wh>
NP_r.b:<agr> = NP_f.t:<agr>
NP_r.b:<case> = NP_f.t:<case>
S_r.t:<conj> = nil

NP_w.t:<trace> = NP_1.b:<trace>
NP_w.t:<case> = NP_1.b:<case>
NP_w.t:<agr> = NP_1.b:<agr>
NP_r.b:<rel-clause> = +
S_r.t:<mode> = inf/ind
S_r.t:<nocomp-mode> = ind
VP.t:<assign-comp> = that/for/ind_nil
S_r.b:<nocomp-mode> = S_r.b:<mode>
NP_f.b:<case> = nom/acc
NP_r.b:<pron> = NP_f.t:<pron>

12 Tree "betaNcnx0Pnx1"

12.1 graphe



12.2 comments

Declarative tree for predicative PPs. This tree family, like other predicative tree families, is anchored by the predicted object (here, the P), with the verb, if any, adjoining in.

EX: John is in the park.

The road is underneath the snow.

12.3 features

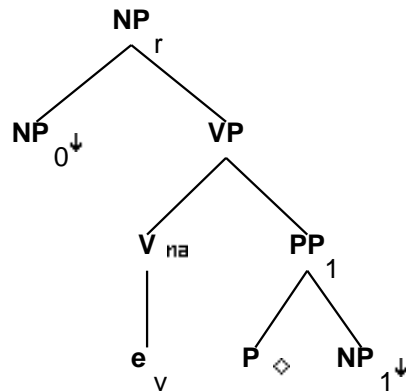
S_r.b:<extracted> = -
 S_r.b:<inv> = -
 S_r.b:<assign-comp> = VP.t:<assign-comp>

VP.b:<compar> = -
 S_r.b:<mode> = VP.t:<mode>
 S_r.b:<mainv> = VP.t:<mainv>
 S_r.b:<comp> = nil
 S_r.b:<tense> = VP.t:<tense>
 NP_0:<agr> = S_r.b:<agr>
 NP_0:<case> = S_r.b:<assign-case>
 NP_0:<wh> = -
 S_r.b:<agr> = VP.t:<agr>
 S_r.b:<assign-case> = VP.t:<assign-case>

S_r.b:<passive> = VP.t:<passive>
 VP.t:<passive> = -
 VP.b:<mode> = prep
 VP.b:<assign-case> = acc
 PP_1.b:<assign-case> = P.t:<assign-case>
 PP_1.b:<assign-case> = NP_1.t:<case>
 P.b:<wh> = -
 S_r.b:<control> = NP_0.t:<control>
 NP_r.b:<wh> = NP_f.t:<wh>
 NP_r.b:<agr> = NP_f.t:<agr>
 NP_r.b:<case> = NP_f.t:<case>
 NP_f.b:<case> = acc/nom
 S_r.t:<inv> = -
 S_r.t:<mode> = ind/inf
 S_r.t:<nocomp-mode> = ind
 VP.t:<assign-comp> = that/for/ind_nil
 S_r.b:<nocomp-mode> = S_r.b:<mode>
 NP_r.b:<rel-clause> = +
 NP_f.b:<case> = nom/acc
 NP_r.b:<pron> = NP_f.t:<pron>

13 Tree "alphaGnx0Pnx1"

13.1 graphe



13.2 comments

Gerund NP tree for predicative PPs. This tree family, like other predicative tree families, is anchored by the predicated object (here, the P), with the verb, if any, adjoining in. There is no corresponding D tree (*the being of in the park; *the being in the park).

...John('s) being at work...

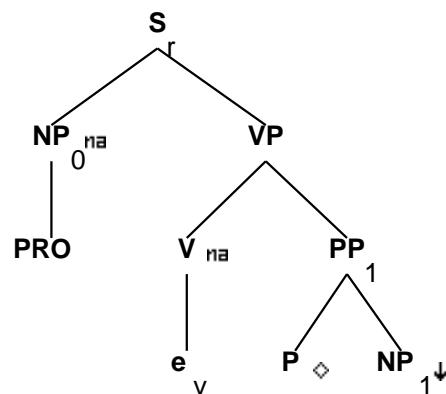
13.3 features

NP_0:<wh> = NP_r.b:<wh>
VP.t:<mode> = ger
NP_r.b:<case> = nom/acc
NP_r.b:<agr num> = sing
NP_r.b:<agr pers> = 3
NP_r.b:<agr 3rdsing> = +
VP.b:<mode> = prep
VP.b:<assign-case> = acc
PP_1.b:<assign-case> = P.t:<assign-case>
PP_1.b:<assign-case> = NP_1.t:<case>
P.b:<wh> = -

VP.b:<compar> = -
NP_r.b:<gerund> = +
NP_0:<case> = acc/gen

14 Tree "alphanx0Pnx1-PRO"

14.1 graphe



14.2 comments

Predicative PPs w/ PRO subject

John wants [PRO to be in the park].

14.3 features

S_r.b:<extracted> = -
S_r.b:<inv> = -
S_r.b:<assign-comp> = VP.t:<assign-comp>
S_r.b:<mode> = VP.t:<mode>

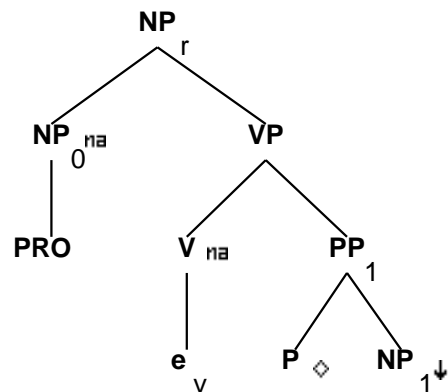
```

S_r.b:<mainv> = VP.t:<mainv>
S_r.b:<comp> = nil
S_r.b:<tense> = VP.t:<tense>
S_r.b:<assign-case> = NP_0.t:<case>
NP_0.<agr> = S_r.b:<agr>
NP_0.t:<case> = none
NP_0.<wh> = -
S_r.b:<agr> = VP.t:<agr>
S_r.b:<passive> = VP.t:<passive>
VP.t:<passive> = -
VP.b:<mode> = prep
VP.b:<assign-case> = acc
VP.b:<compar> = -
PP_1.b:<assign-case> = P.t:<assign-case>
PP_1.b:<assign-case> = NP_1.t:<case>
PP_1.b:<wh> = NP_1.t:<wh>
S_r.b:<control> = NP_0.t:<control>
VP.t:<mode> = inf/ger

```

15 Tree "alphaGnx0Pnx1-PRO"

15.1 graphe



15.2 comments

Gerund NP tree w/ PRO subject for predicative PPs

[PRO being at work] is a shame on such a beautiful day.

15.3 features

```

NP_0.<wh> = NP_r.b:<wh>
NP_0.t:<case> = none
NP_0.t:<wh> = -
VP.t:<mode> = ger
NP_r.b:<case> = nom/acc

```

```
NP_r.b:<agr num> = sing
NP_r.b:<agr pers> = 3
NP_r.b:<agr 3rdsing> = +
VP.b:<mode> = prep
VP.b:<assign-case> = acc
PP_1.b:<assign-case> = P.t:<assign-case>
PP_1.b:<assign-case> = NP_1.t:<case>
P.b:<wh> = -
VP.b:<compar> = -
```