

March 1, 2024

# 1 Subject agreement in the age of DP

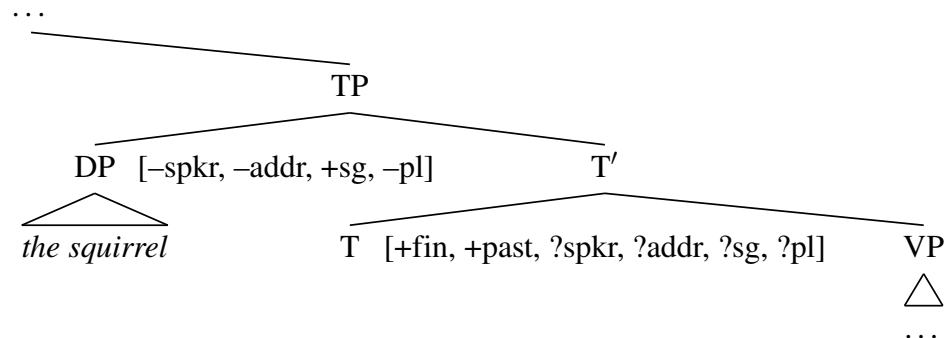
## 1.1 Getting agreement and tense to the verb

- (1) a. They see us.  
 b. You see us.  
 c. It sees us.  
 d. They saw us.  
 e. You saw us.  
 f. It saw us.
- (2) *see*, V, [+ \_ DP ]
- (3) a. [–speaker, –addressee, +sg, –pl, –past] → *sees* 3sg present  
 b. [+past] → *saw* past  
 c. [ ] → *see* otherwise
- (4) V << [?T- $\phi$ ] V always has [?T- $\phi$ ] (needs tense features and *phi*-features)
- (5) a.  $\emptyset$ , T, [+finite, +past] past tense  
 b.  $\emptyset$ , T, [+finite, –past] present tense  
 c.  $\emptyset$ , T, [–finite] infinitive
- (6) T << [? $\phi$ ] T always has [? $\phi$ ]

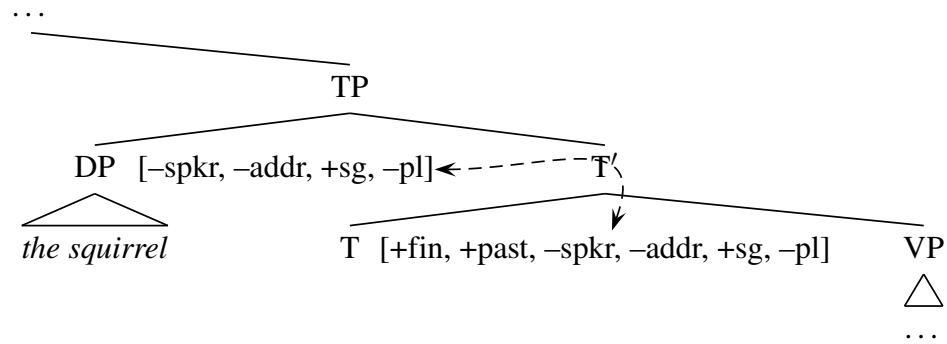
**Spec-Head Agreement:** Features can be shared between the specifier of a phrase and its head.

[+speaker, –addressee]	1st person
[–speaker, +addressee]	2nd person
[–speaker, –addressee]	3rd person
[+speaker, +addressee]	2nd person inclusive?
[+sg, –pl]	singular
[–sg, +pl]	plural
[–sg, –pl]	mass

So we start off with something like this:



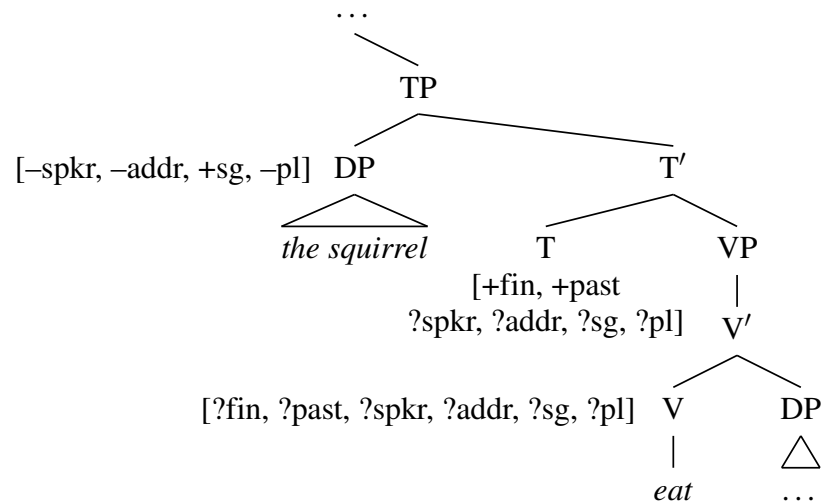
And after Spec-head agreement, wind up with this:



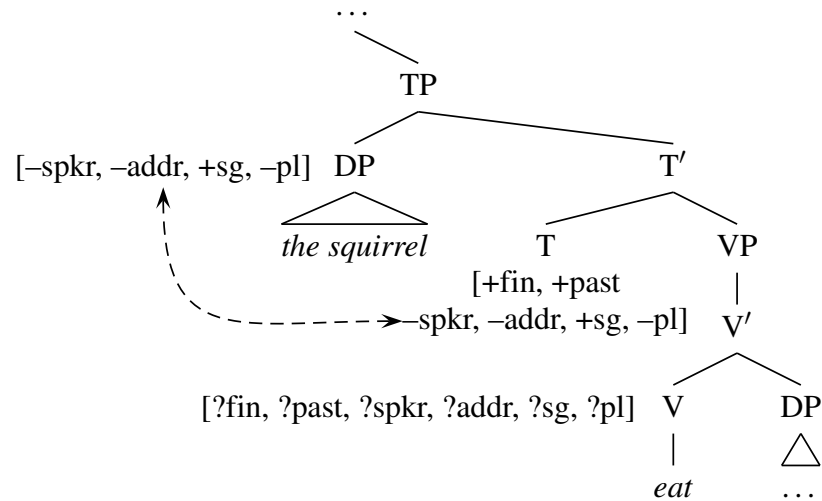
**VP inflection:** T passes (certain) features to a sister VP.

**Feature percolation:** (Certain) features are shared between a phrase and its head.

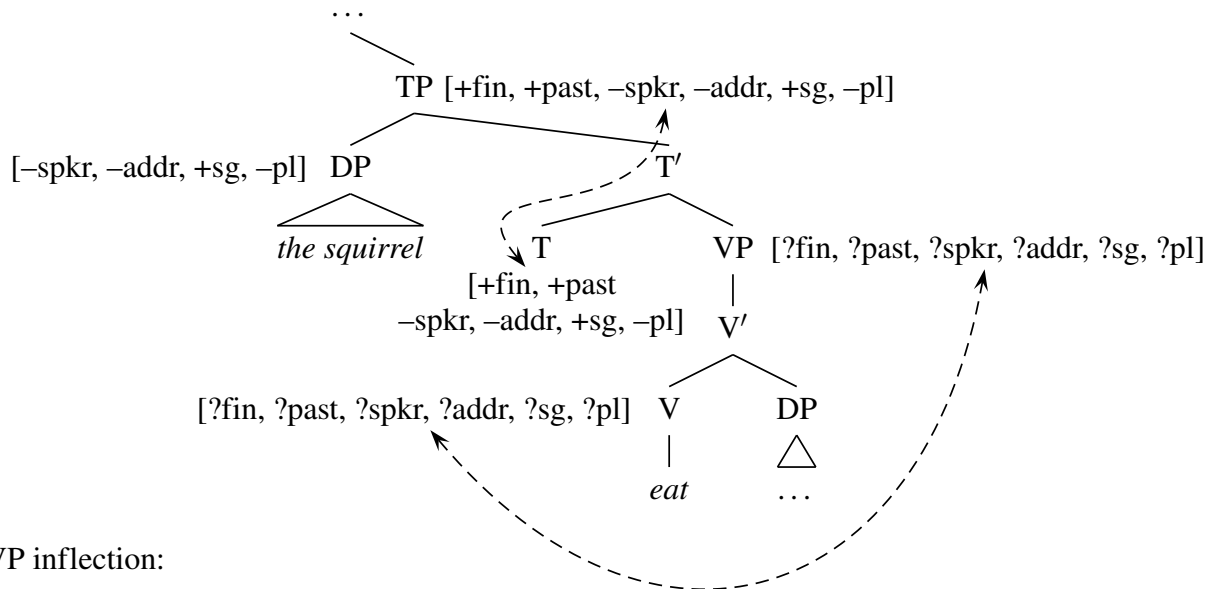
So continuing on in the squirrel tree, we would start off with:



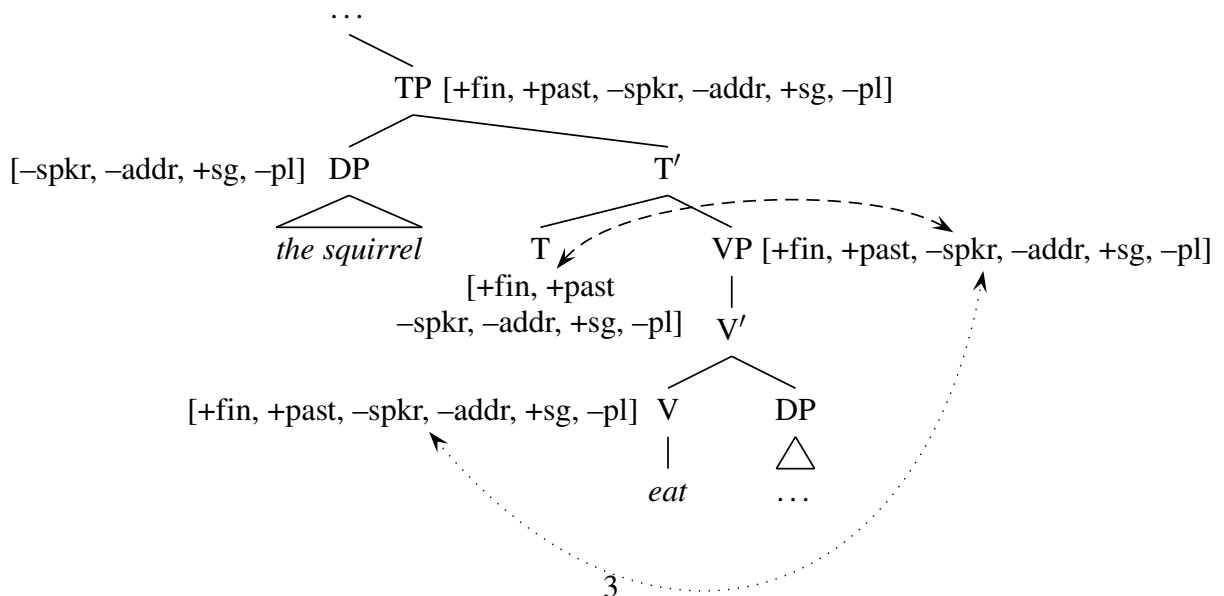
Spec-head agreement:



Percolation:



VP inflection:



[+speaker, -addressee, -sg, +pl]	[+1pl]
[+speaker, -addressee, +sg, -pl]	[+1sg]
[-speaker, +addressee, -sg, +pl]	[+2pl]
[-speaker, +addressee, +sg, -pl]	[+2sg]
[-speaker, -addressee, -sg, +pl]	[+3pl]
[-speaker, -addressee, +sg, -pl]	[+3sg]
[-speaker, -addressee, -sg, -pl]	[+3mass]
[+finite, -past, -speaker, -addressee, +sg, -pl]	[+pres3sg]
[+finite, +past, -speaker, -addressee, +sg, -pl]	[+past3sg]
etc.	

## 1.2 Getting $\phi$ -features to DP

(7) *squirrel*, N

(8) a. [-pl,]  $\rightarrow$  *squirrel*

singular/mass

b. [ ]  $\rightarrow$  *squirrels*

otherwise

(9) N << [?sg, ?pl]

N always has [?sg, ?pl] (needs a number specification)

Then we have determiners like these:

(10) a. the, D, [+3sg]

singular definite determiner

b. the, D, [+3pl]

plural definite determiner

c. this, D, [+3sg]

singular proximal determiner

d. these, D, [+3pl]

plural proximal determiner

e. that, D, [+3sg]

singular distal determiner

f. those, D, [+3pl]

plural distal determiner

g. a, D, [+3sg]

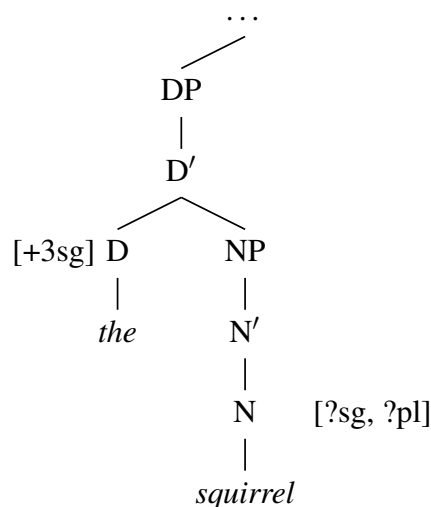
singular indefinite determiner

h.  $\emptyset$ , D, [+3pl]

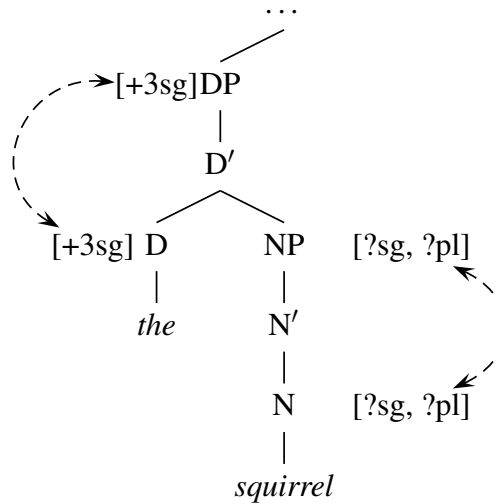
plural indefinite determiner

**NP inflection:** D passes (certain) features to a sister NP.

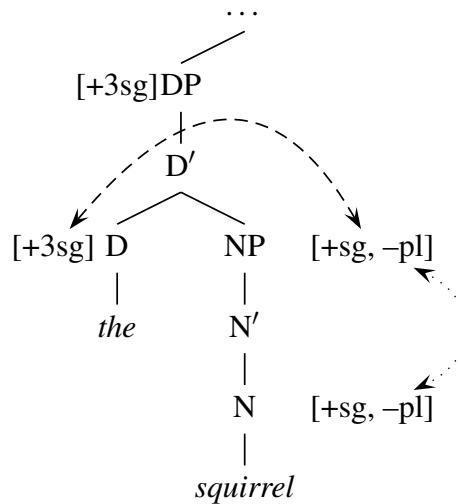
Given that, we get [+3sg] *the squirrel* like this:



Feature percolation:



NP inflection:



### 1.3 Pronouns and case

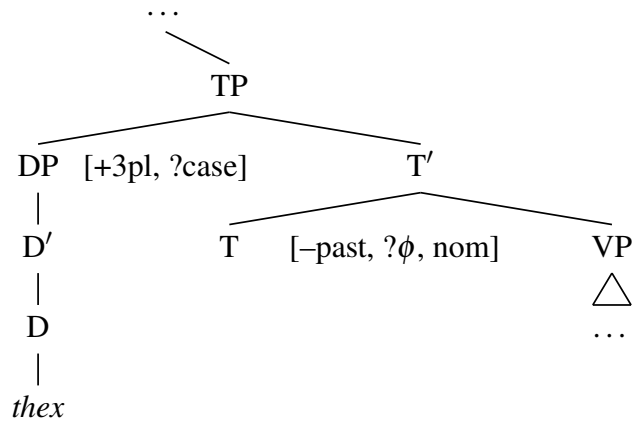
(11) D  $<<$   $[?case]$

(12) T  $[+fin]$   $<<$   $[nom]$

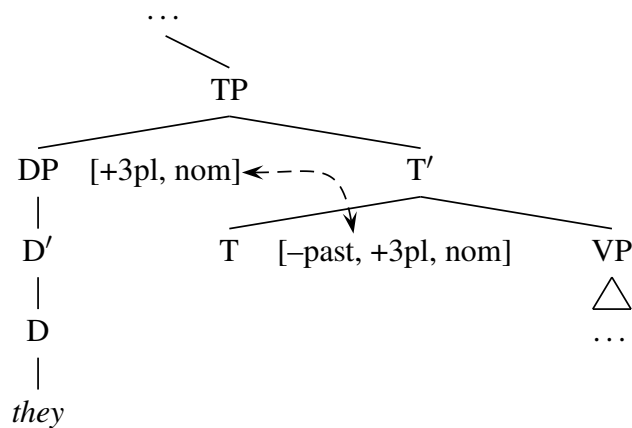
D always has  $[?case]$  (needs a case feature)

Finite T always has a  $[nom]$  feature

We start with this:



And then spec-head agreement yields:



(13) P [+<sub>-</sub> DP (...)] << [acc]

A P with an object always has an [acc] feature

(14) V [+<sub>-</sub> DP (...)] << [acc]

A V with an object always has an [acc] feature

**V-DP inflection:** V passes (certain) features to a sister DP.

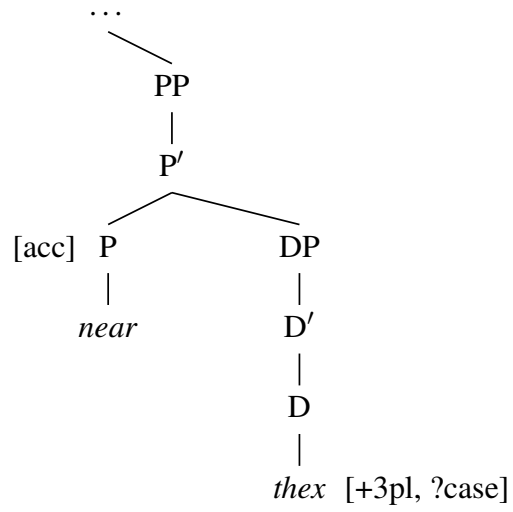
**P-DP inflection:** P passes (certain) features to a sister DP.

At this point, we seem to have collected too many of these “head passes (certain) features to its complement” rules.

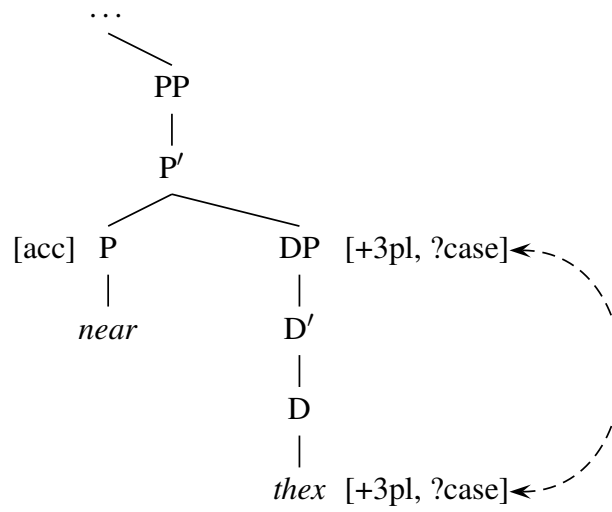
**Local agreement:** An unvalued feature can get a value from another if it is close.

**Close:** The specifier and complement are close to the head.

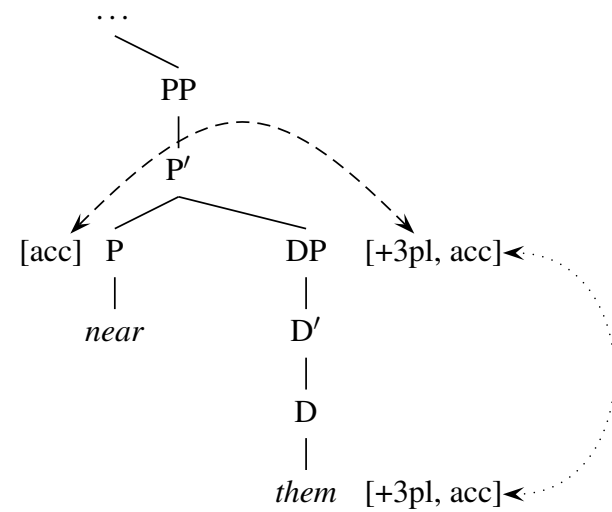
Now, let's look at accusative case in the PP.



Percolation:



Local agreement:



## 1.4 Summary

In summary, we have the following redundancy rules:

- |      |                                      |  |
|------|--------------------------------------|--|
| (15) | V << [?T- $\phi$ ]                   | V always has [?T- $\phi$ ] (needs tense features and <i>phi</i> -features) |
| (16) | N << [?sg]                           | N always has [?sg] (needs a number feature)                                |
| (17) | D << [?case]                         | D always has [?case] (needs a case feature)                                |
| (18) | T [+fin] << [nom]                    | Finite T always has a [nom] feature  |
| (19) | P [+ <sub>-</sub> DP (...)] << [acc] | A P with an object always has an [acc] feature                             |
| (20) | V [+ <sub>-</sub> DP (...)] << [acc] | A V with an object always has an [acc] feature                             |

And the following rules guiding features around the structure:

- (21) **Feature percolation:** (Certain) features are shared between a phrase and its head.
- (22) **Local agreement:** An unvalued feature can get a value from another if it is close.
- (23) **Close:** The specifier and complement are close to the head.