Syntax

Pavel Caha

11 Oct 2020

Recap

The predicate

Conclusions

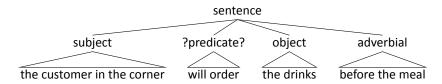
binary branching and co-ordination

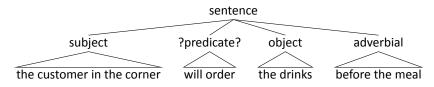
family relations

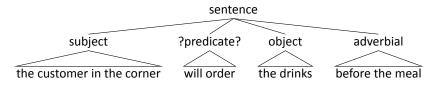
terminal nodes labels

Redoing our tree

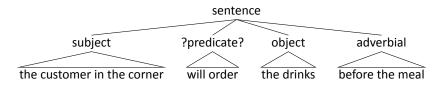
summary



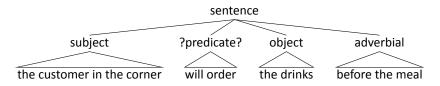




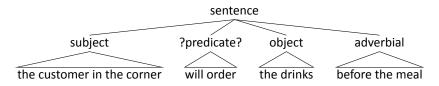
- (2) Constituents can be
 - a. replaced by a pronoun



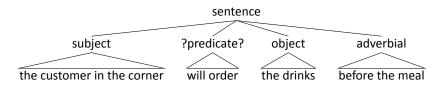
- (2) Constituents can be
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 - b. moved around



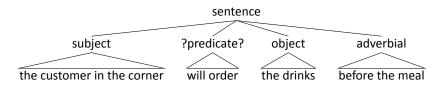
- (2) Constituents can be
 - a. replaced by a pronoun
 - b. moved around
 - c. provided as an answer to a question



- a. replaced by a pronoun
- b. moved around
- c. provided as an answer to a question
- d. co-ordinated



- a. replaced by a pronoun
- b. moved around
- c. provided as an answer to a question
- d. co-ordinated
- e. elided



- a. replaced by a pronoun
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So far, there is no rule that targets the predicate will order

- So far, there is no rule that targets the predicate will order
- Is the predicate a constituent?

- So far, there is no rule that targets the predicate will order
- ► Is the predicate a constituent?
- ► Well, no...

- (3) The customer in the corner will order the drinks before the meal.
- (4) He will pay for **them** later.

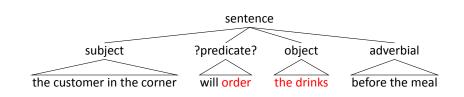
- (3) The customer in the corner will order the drinks before the meal.
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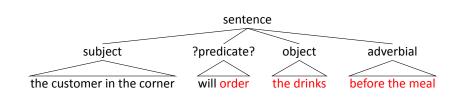
- (3) The customer in the corner will order the drinks before the meal.
- (4) He will pay for **them** later.
- (5) The customer in the corner will order the drinks before the meal but in order to do so before the meal he will first need a wine list.

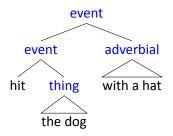
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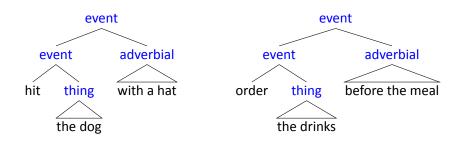
- (3) The customer in the corner will order the drinks before the meal.
- (4) He will pay for **them** later.
- (5) The customer in the corner will order the drinks before the meal but in order to do so before the meal he will first need a wine list.
- (6) The customer in the corner will order the drinks before the meal but in order to do **so** he needs a wine list now.

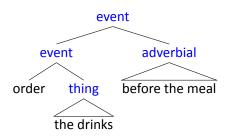
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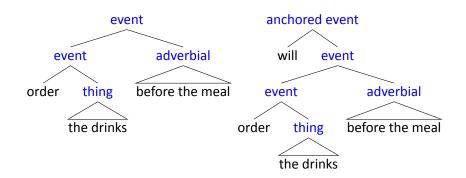






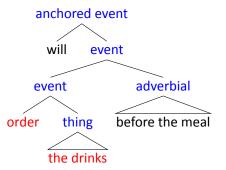






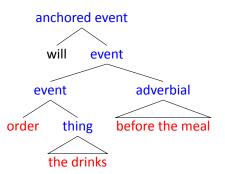
(7) The customer in the corner will order the drinks before the meal but in order to do **so** before the meal he will first need a wine list.

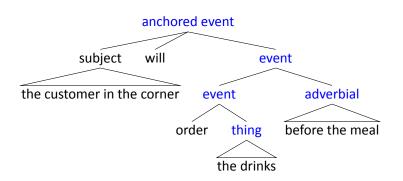
(7) The customer in the corner will order the drinks before the meal but in order to do so before the meal he will first need a wine list.

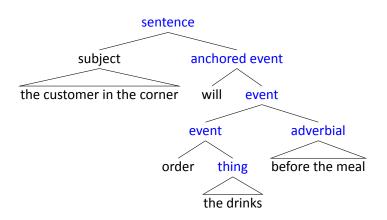


(8) The customer in the corner will order the drinks before the meal but in order to do **so** he needs a wine list now.

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Movement

(9) The drinks, the customer in the corner will order before the meal (but the dessert, they will order later).

Movement

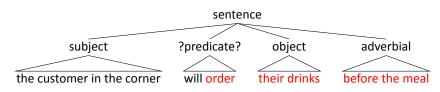
- (9) The drinks, the customer in the corner will order before the meal (but the dessert, they will order later).
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Movement

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- (11) Order their drinks, they will before the meal.

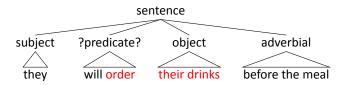
(12) Order their drinks before the meal, they will.

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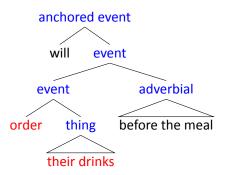
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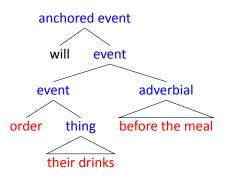
(14) Order their drinks, they will before the meal.

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(15) Order their drinks before the meal, they will.

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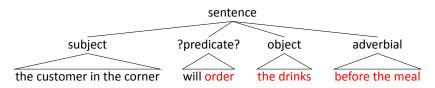


ellipsis

- (16) A: The customer in the corner will order the drinks before the meal.
- (17) B: Actually, I wouldn't be so sure that he will —.

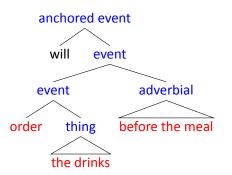
ellipsis

- (16) A: The customer in the corner will order the drinks before the meal.
- (17) B: Actually, I wouldn't be so sure that he will —.



- (18) A: The customer in the corner will order the drinks before the meal.
- (19) B: Actually, I wouldn't be so sure that he will —.

- (18) A: The customer in the corner will order the drinks before the meal.
- (19) B: Actually, I wouldn't be so sure that he will —.



(20) The customer in the corner will order the dessert and the drinks before the meal.

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- (21) a. The customer in the corner will order the drinks before the meal and accompany his guests into the dining room.

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- (20) The customer in the corner will order the dessert and the drinks before the meal.
- (21) a. The customer in the corner will order the drinks before the meal and accompany his guests into the dining room.
 - The customer in the corner will order the drinks before the meal and accompany his guests into the dining room.
 - The customer in the corner will order the drinks before the meal and accompany his guests into the dining room.
 - d. The customer in the corner will [order the drinks before the meal] and accompany his guests into the dining room.

(22) a. The customer will order the drinks before the meal and is waiting for the wine list.

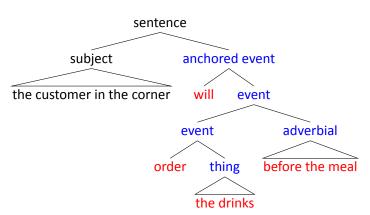
- (22) a. The customer will order the drinks before the meal and is waiting for the wine list.
 - b. The customer will order the drinks before the meal and is waiting for the wine list.

- (22) a. The customer will order the drinks before the meal and is waiting for the wine list.
 - b. The customer will order the drinks before the meal and is waiting for the wine list.
 - c. The customer will order the drinks before the meal and is waiting for the wine list.

- (22) a. The customer will order the drinks before the meal and is waiting for the wine list.
 - b. The customer will order the drinks before the meal and is waiting for the wine list.
 - c. The customer will order the drinks before the meal and is waiting for the wine list.
 - d. The customer will order the drinks before the meal and is waiting for the wine list.

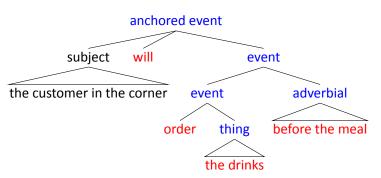
(23) The customer will order the drinks before the meal and is waiting for the wine list.

(23) The customer will order the drinks before the meal and is waiting for the wine list.



(24) The customer will order the drinks before the meal and is waiting for the wine list.

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binary branching and co-ordination

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summary

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 - a. replaced by a pronoun

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 - b. moved around

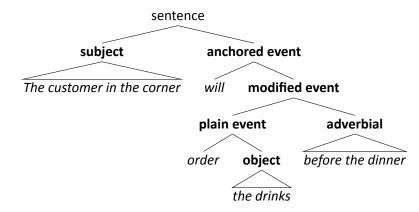
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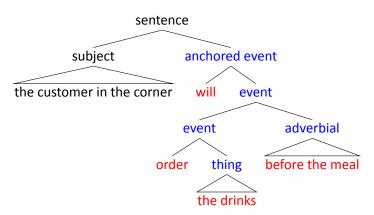
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(26)

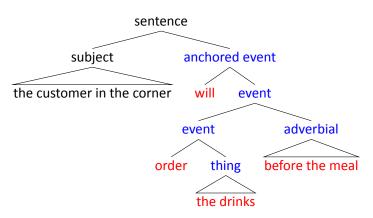


(27) The customer will order the drinks before the meal and is waiting for the wine list.

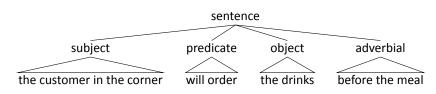
(27) The customer will order the drinks before the meal and is waiting for the wine list.



(27) The customer will order the drinks before the meal and is waiting for the wine list.



(28) Binary composition hypothesis
All syntactic structure is (at most) binary.



(29) Binary composition hypothesis
All syntactic structure is (at most) binary.

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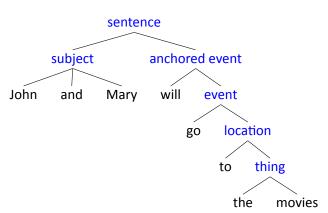
summary

coordination

(30) John and Mary will go to the movies.

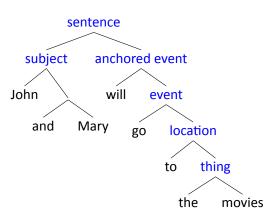
coordination

(30) John and Mary will go to the movies.



coordination

(31) John and Mary will go to the movies.



Recap

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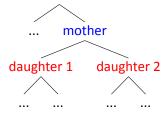
binary branching and co-ordination

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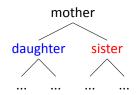
summary



... mother

daughter 1 daughter 2

... grand-daughter



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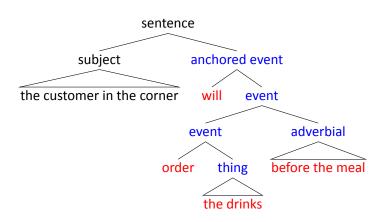
binary branching and co-ordination

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- (32) Parts of speech
 - a. nouns = things

- (32) Parts of speech
 - a. nouns = things
 - b. verbs = events

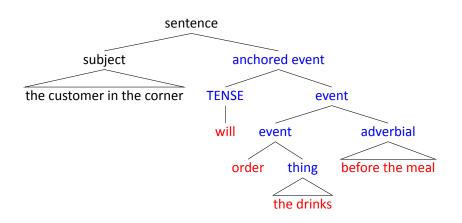
- (32) Parts of speech
 - a. nouns = things
 - b. verbs = events
 - c. adjectives = properties

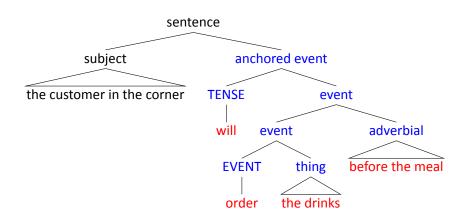
(32) Parts of speech

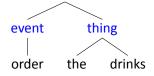
- a. nouns = things
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- d. prepositions = locations, paths

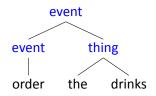
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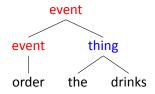
- a. nouns = things
- b. verbs = events
- c. adjectives = properties
- d. prepositions = locations, paths
- e. auxiliaries = tense

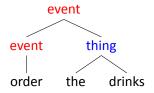




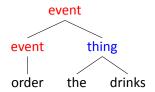




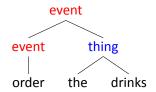




(33) The head is the daughter that determines the type of meaning that the mother node has



- (33) The head is the daughter that determines the type of meaning that the mother node has
- (34) a. He drank a cup of coffee



- (33) The head is the daughter that determines the type of meaning that the mother node has
- (34) a. He drank a cup of coffee
 - b. He was holding a cup of coffee

(35) The head

a. determines the type of meaning that the mother node has

(35) The head

- a. determines the type of meaning that the mother node has
- b. determines the distribution of the whole

(35) The head

- a. determines the type of meaning that the mother node has
- b. determines the distribution of the whole
- c. determines the form of the sister node

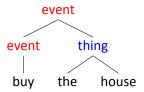
(36) John will ...

- (36) John will ...
 - a. John will sleep

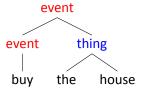
- (36) John will ...
 - a. John will sleep
 - b. ??John will the house

- (36) John will ...
 - a. John will sleep
 - b. ??John will the house
- (37) [buy] (event) + [the house] (thing)

- (36) John will ...
 - a. John will sleep
 - b. ??John will the house
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- (36) John will ...
 - a. John will sleep
 - b. ??John will the house
- (37) [buy] (event) + [the house] (thing)



(38) John will [event buy the house]

(39) a. Princ políbil žáb-u the.prince kissed a.frog.ACC

- (39) a. Princ políbil žáb-u the.prince kissed a.frog.ACC
 - b. Princ pomohl žáb-ě the.prince kissed a.frog-DAT

The head

(40) The head

a. determines the type of meaning that the mother node has

The head

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- a. determines the type of meaning that the mother node has
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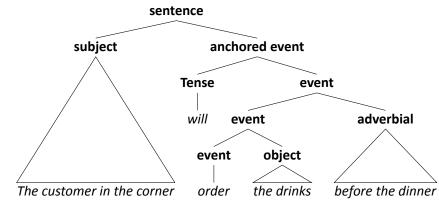
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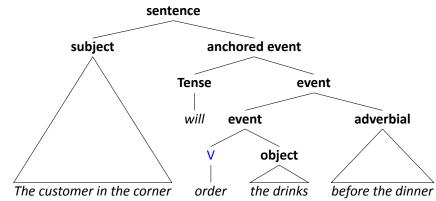
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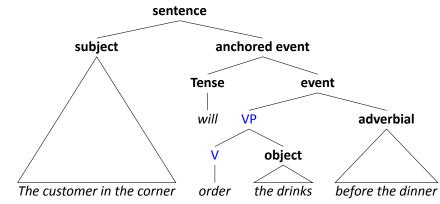
(41)



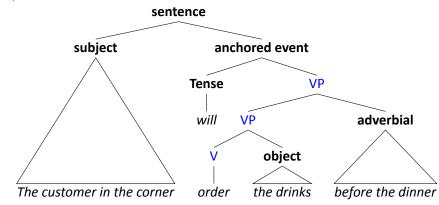
(42)



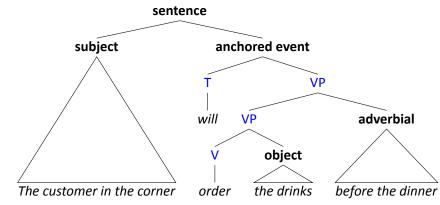
(43)



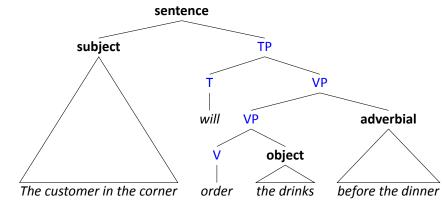
(44)



(45)



(46)



(47) a. Mary will [VP wait for some news].

- (47) a. Mary will [VP wait for some news].
 - b. *Mary will [VP waiting for some news].

- (47) a. Mary will [VP wait for some news].
 - b. *Mary will [VP waiting for some news].
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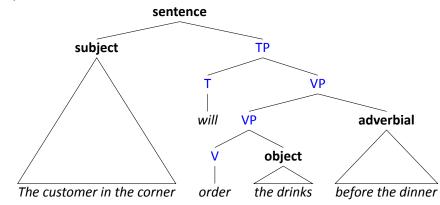
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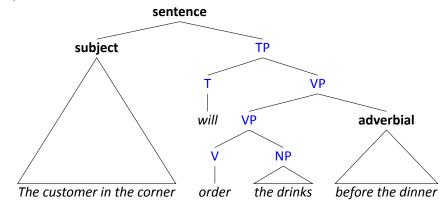
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- (48) a. *Mary is [VP wait for some news].
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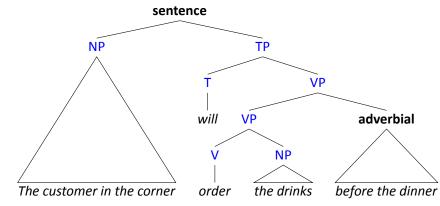
(50)



(51)



(52)

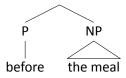


(53) a. before the meal

- (53) a. before the meal
 - b. before that

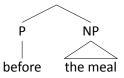
- (53) a. before the meal
 - b. before that

c.



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 - b. before that

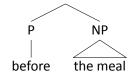
c.



d. *I will see him the meal

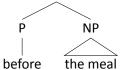
- (53) a. before the meal
 - b. before that

c.



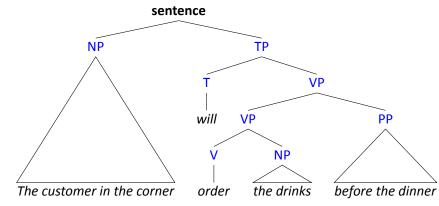
- d. *I will see him the meal
- e. I will see him before the meal

- (53) a. before the meal
 - b. before that
 - c.

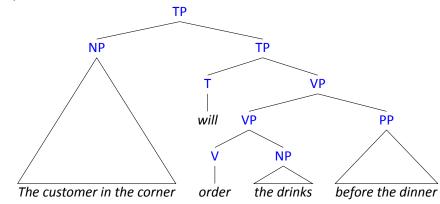


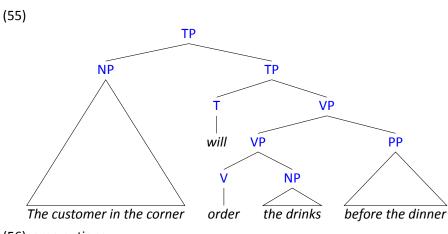
- d. *I will see him the meal
- e. I will see him before the meal
- f. PP NP before the meal

(54)



(55)

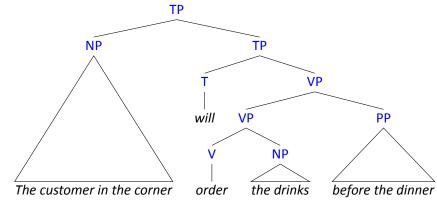




(56)some notions

a. complement = the sister of the head

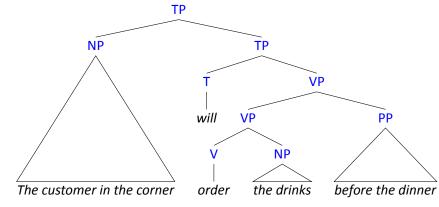
(55)



(56)some notions

- a. complement = the sister of the head
- b. adjunct = optional modifier

(55)



(56)some notions

- a. complement = the sister of the head
- b. adjunct = optional modifier
- c. specifier = obligatory modifier

Recap

The predicate

Conclusions

binary branching and co-ordination

family relations

terminal nodes labels

Redoing our tree

summary

(57) tree = family tree

(57) tree = family tree mother, sister, ...

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- (58) Parts of speech
 - a. nouns = things

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 - determines the form of the sister node

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(60) notions

- a. complement = the sister of the head
- b. adjunct = optional modifier
- c. specifier = obligatory modifier

References