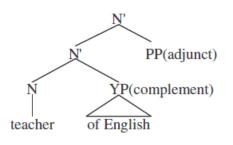
13/11/2024 Syntax Seminar BBN-ANG-252 Erika Asztalos

I. Checking the homework Ex. 14, a) and c)

Exercise 14

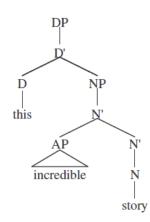
The X-bar theory predicts that in English the following sentences are ungrammatical. Explain how the X-bar theory can account for the ungrammaticality of the sentences below. Notice that the phrases in italics are responsible for the ungrammaticality of the sentences.

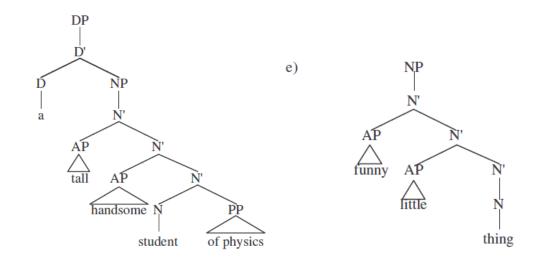
- (1) a *The teacher from France of English likes going to open lectures.
 - b *Mary often drives too fast her car.
 - c *Every student in Cambridge of Physics gets an excellent job.





c)





II. What is the theta-role (= thematic role or semantic role) of the arguments in bold?

- 1) One night I was lying in my bed and I heard some strange noise.
 - A) agent

d)

- B) patient
- C) experiencer
- 2) I lent him some money that I never got back.
 - A) theme
 - B) recipient/beneficiary
 - C) goal
- 3) Have you ever been to the village called Egyházasdengeleg?
 - A) source
 - B) location
 - C) goal
- 4) We ate what you left.
 - A) agent
 - B) recipient/beneficiary
 - C) experiencer
- 5) Are you from Estonia?
 - A) source
 - B) location
 - C) goal

Movement. D-structure and S-structure. Theta-criterion and Case Theory. Traces

- There is a syntactic operation called **movement**, which is a central aspect of grammar in English (and not only in English but in many other languages of the world as well)
- Today we'll be talking about movement: what moves where, types of movement, the structure of the sentence before and after movement, and the trace that a moved element leaves behind in the abstract sentence structure

1 Types of movement

1) Topicalisation

- (1) This conclusion, virtually no one has ever come to.
 - → How does the phrase *This conclusion*, which is the complement of the preposition *to*, end up in the sentence-initial position, far from the preposition *to*?

 \rightarrow Via a syntactic operation that we call **movement**:

(2)

a - virtually no one has ever come to this conclusion b this conclusion, virtually no one has ever come to -

There are different types of movement, one of them is called **topicalisation**. In (1)-(2) we have topicalisation:

- An element interpreted as a topic (*This conclusion* in (1) and in (2a)) is moved to the front of the sentence
- What is a **topic**? Typically something that has already been **mentioned before** in a text or a conversation, or can be interpreted as easily accessible in a text/conversation: *this conclusion* in (1)-(2) must have been a part of the preceding discussion; it has not just been

newly introduced.

Topicalisation is a phenomenon that exists in many languages, including Hungarian. Could you construct a Hungarian example?

VP-movement:

• The verb and its complement (e.g., its direct object) can also undergo movement (this is also a sort of topicalisation):

(3)

I thought the policeman would search the bishop, and [search the bishop], he did –

2) Wh-movement

- wh-words: interrogative words (kérdőszavak) like which, what, where, why, etc.
- in English, they have a position at the beginning of the sentence
- dual function:
 - 1) they indicate the interrogative status of the clause
 - 2) a syntactic function within the clause: e.g., object in the sentence in (4)
 - (4) What did they find?

→ We assume that the *wh*-word doesn't originate sentence-initially but is moved from the object position to the clause-initial position (*They found something* → *What did they find*?):

(5)

what did they find –

1) Are *wh*-words always sentence-initial in English, or are there cases where *wh*-words can stay elsewhere in a sentence? If so, when do you use such sentences?

2) Are *wh*-words always sentence-initial in Hungarian, or can they also appear elsewhere in a sentence?

3) <u>Passivisation</u>

- Passivisation: what is originally an object of the verb is realised as the subject of the sentence:
- (6) a. <u>Shakespeare</u> wrote Hamlet. → active sentence subject
 b. Hamlet was written by Shakespeare. → passive sentence subject

The *by*-phrase (the PP adjunct) may be also missing from the passive sentence:

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(7) The water was wasted.
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- It is assumed that in a **passive** sentence, the direct object moves from object position into subject position:
- (8) a - was wasted the water ↓ b the water was wasted -

Is there something like a passive construction in Hungarian?

Are there passives in: German, Spanish, French, Italian (or any language that you speak besides English)?

4) <u>Subject-auxiliary inversion in *yes-no* questions</u>

• Yes-no questions (eldöntendő kérdések): questions that may be answered with a simple "yes" or "no", like e.g. Is this the end?

→ Are *wh*-questions *yes-no* questions as well?

- In yes-no questions in English, the auxiliary verb and the subject appear to switch places
- It is assumed that the auxiliary moves to a position to the left of the subject:

(9)

5) Extraposition

- Splitting a constituent across the structure
- The PP for the new car park in (10) is the complement of the noun plans:
- (10) $[_{DP} The [_{NP} plans [_{PP} for the new car park]]]$
 - The PP *for the new car park* can be moved out of the subject DP into the sentence final position, cf. (11b) this process is called **extraposition**:

(11)

a the plans for the new car park were released

b the plans – were released for the new car park

- Topicalisation, wh-movement, passivisation, subject-auxiliary inversion are leftward movements
- Extraposition is a rightward movement

Construct an example of 1) topicalisation, 2) passivisation, 3) extraposition

2 D-structure and S-structure

• There are two levels that can describe the structure of any sentence: a level before movement takes place and a level after movement:

(12)

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structure
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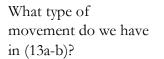
DP

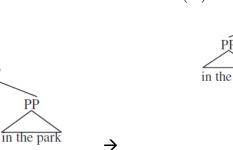
Mary

met Mark

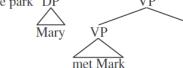
- The **difference** between the two levels of structural description will simply be the **positions** that the moved elements occupy
- (13) a. Mary met Mark in the park. before movement
 b. In the park, Mary met Mark. after movement
 - The structure before movement: (14)

VP





The structure after movement: (15) S in the park DP VP



- The structure before movement takes place = a **D-structure** ((14) is a D-structure)
- The postmovement structure = **S-structure** ((15) is an S-structure) ('D' and the 'S' originally stood for *deep* and *surface*)
- Theta-role assignment to arguments happens at D-structure, while
- Case assignment to arguments (nominative/accusative) happens at S-structure

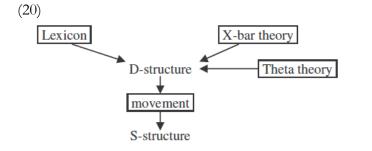
2 D-structure and Theta-theory

- There may be different principles that operate at the D-structure level and the S-structure level, and
 - o a D-structure principle may require a constituent X to occupy a certain position,
 - o an S-structure principle may require X to occupy a certain position,
 - and if these two positions are not the same then X will have to **move** from its D-structure position to the required S-structure position.

- D-structure positions are more basic: e.g., in a passive sentence, what sits in the subject position at S-structure is interpreted as the object of the verb and hence is assumed to occupy the object position at D-structure:
- - In (17), we have two sentences, S1 (*Ken is supposed*) and S2 (*to be fired*), and S2 is embedded (subordinate) to S1 (S2 alá van rendelve S1-nek) (S2 is a so-called non-finite sentence):
- (17) S-structure: [*s1* **Ken** *is supposed* [*s2 to be fired*]]
 - In (17), the subject of S1 is Ken, but we have the impression that Ken somehow belongs to the verb *fired*
 - So in D-structure, Ken is the object of S2:
- (18) D-structure: $[s_2 is supposed [s_2 to be fired$ **Ken**]]

 \rightarrow (18) is the basic structure and (17) is derived from (18) (with *Ken* moving)

- But what is the theta-role (thematic role/semantic role) of Ken in these sentences?
- → It has the PATIENT theta-role in all of these sentences (even in (16a) and in (18)): the theta-role that it received from the verb **'fire'** in the D-structures (16b) and (18)
- → Moved elements preserve their theta-role (the semantic role that they receive from the verb they belong to at D-structure)
- So we say that **theta-role assignment happens at the level of D-structure**, and that D-structure **is a pure representation of thematic relations**
- (19) **The Theta Criterion:** A theta-role must be assigned to one and only one argument, and an argument must bear one and only one theta-role.



(Besides the Theta Criterion, Thetatheory involves sume further principles as well, cf. pp. 105-110 of the textbook)

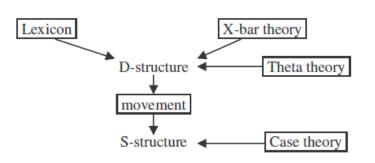
4 S-structure and Case Theory

• Case: certain pronouns in English have different Case forms (nominative: *he, she, I, we*; accusative: *him, her, me* and *us*). This is the notion of **morphological case**

- What determines which form the pronoun appears in is its S-structure position. If a pronoun is the subject of a finite (tensed) clause it will be *nominative*, anywhere else it is *accusative*:
- (21) a. *he* has helped *her*b. *I* consider [*him*] to be unkind to *us*]
 - The notion of **Abstract Case**: we say that at an abstract level of description, not only personal pronouns but every DP argument has a Case (either nominative or accusative), even when it is morphologically not visible (with nouns and proper nouns it's not visible)
 - In the previous section we said that in passive sentences, the argument that sits in the subject position at S-structure occupies the object position at D-structure:
- (22) a. D-structure: *was fired Ken* (*Ken* = direct object)
 → Ken moves to subject position, so we get (22b):
 b. S-structure: *Ken was fired* (*Ken* = subject)
 - However, subjects of passive sentences are in the nominative case (and not in the accusative, even if they are direct objects in D-structure):
- (23) *He* was fired (*Him was fired; *Was fired him)
 - → What counts for the purposes of Case assignment is not the position of the argument in the D-structure but its position in the S-structure
 - DP-s receive a case (nominative/accusative) at S-structure
 - So subjects of finite clauses will be in the *nominative Case* (24), while anywhere else a DP will be in the *accusative Case* (25), (26) even when the distinction is morphologically not visible (*Ken* has the same form but different cases in these sentences):
- (24) **Ken/he** was fired. \rightarrow Ken/he: subject \rightarrow nominative Case
- (25) The boss fired <u>Ken/him</u> \rightarrow Ken/him: direct object \rightarrow accusative Case
- (26) This letter is for <u>Ken/him</u> \rightarrow Ken/him: complement of a preposition \rightarrow accusative Case
 - A principle that operates at the S-structure level:

(27) The Case Filter: All DPs must be assigned Case.





5 Traces

- The position in which elements originate at D-structure = Extraction site
- The positions they move to at S-structure = the Landing site
- When an element moves, it leaves behind a copy of itself in the extraction site → this copy is called a trace (*t*)
- The main way in which the trace differs from the moved element is that the trace has no phonological content and hence is unpronounced
- Traces are typically represented by a *t*, which bears an **index** (marked by a 1 in subscript in sentence (29b) which it shares with the moved element. This indicates that the trace and the moved element have the same reference:

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(29)
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(30)

(27)

a

Petra put the book [PP on the shelf]

b $[_{PP}$ on the shelf $]_1$, Petra put the book t_1

a who₁ did Susan say [Fred helped t_1]

b who₁ did Susan say [t₁ helped Fred]

What's the difference between the meaning of (30a) and (30b), and how would you translate them to Hungarian?

- (30): the movement of the interrogative pronoun (the *wh*-word) *who* from two different D-structure positions, marked by the trace:
 - In (30a) *who* moved from object position and hence the sentence is interpreted as a question about the one who was helped;
 - In (30b) *who* moves from the subject position and hence the question is about the one who does the helping

Homework: p. 127 Ex. 18 a)-e)

Exercise 18

Identify the thematic roles assigned by each predicate and identify the Cases of the DPs as well.

- (1) a Who do you think Izzy will invite?
 - b Terry thinks that the car has been stolen.
 - c Frank will fly from New York to Amsterdam.
 - d Sally seems to be selected by the committee.
 - e I expect this girl to rewrite her essay.
 - f For Chuck to choose from these chicks will be hard.