

Lec15: X-bar theory-III

HUL 242

14/3

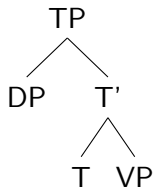
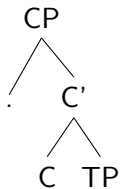
Recap

- X-bar schema for determiner phrases
- Case marking and grammatical relations
- Continue with remaining aspects of X-bar schema

X-bar schema

- Extend X-bar to TP and CP
- Heads cannot be optional
- CP \rightarrow (C) TP
- TP \rightarrow DP (T) VP

CP and TP



All clauses have CPs
But the C is empty in some of them

[CP [C' \emptyset [TP Asparagus grows in California]]]

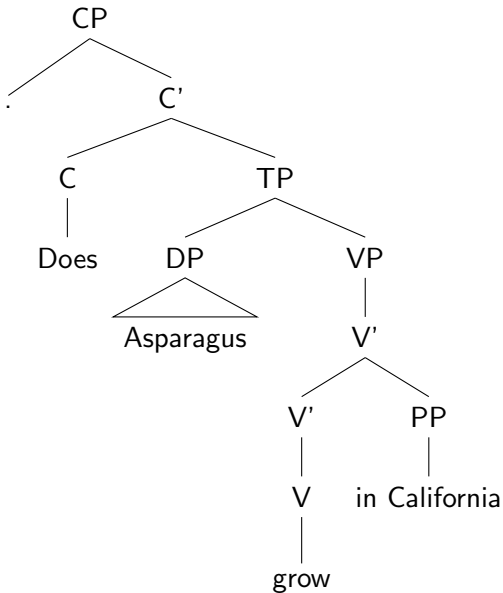
Empty complementizer

[CP [C' \emptyset [TP Asparagus grows in California]]]

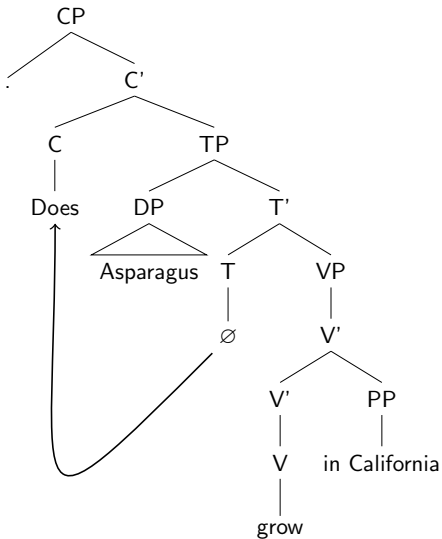
Yes-No Questions

[CP [C' [C Does] [TP Asparagus grow in California ?]]]

Yes/No Question representation



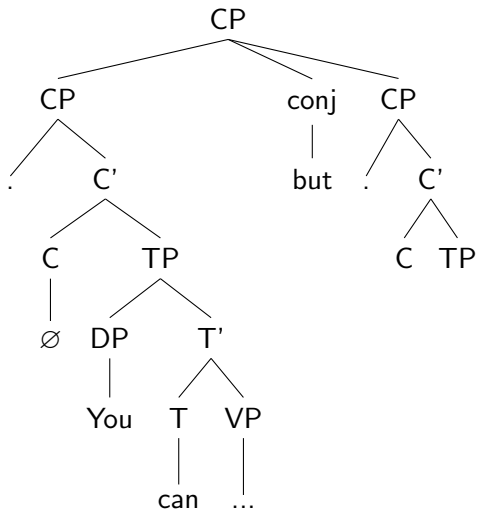
Yes/No Question representation

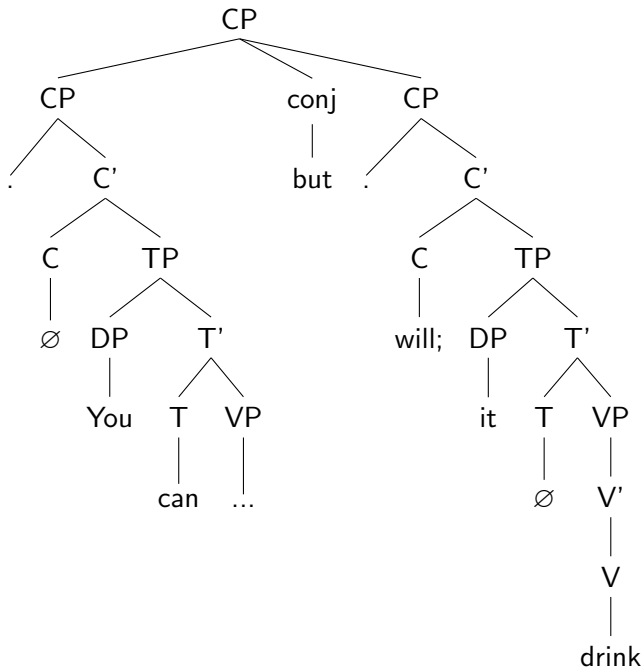


- Conjoin a statement containing a (null) complementizer and one that contains a C head
- Overt yes/no complementizer: John asked if Mary went to Spain

Positions for movement

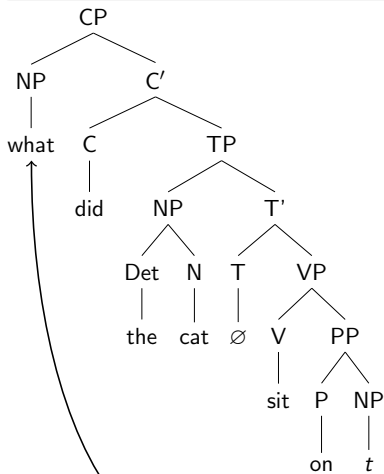
[You can lead a horse to water] but [will it drink]?





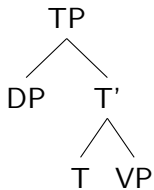
Wh-movement

[CP [NP What] [C did [TP the cat \emptyset sit on t]]]?



CP and TP

- Every clause is headed by a CP, though the C is sometimes realized as null
- In Yes-No questions, the auxiliary moves to the empty C position
- The specifier position of CP is also often null– except in Wh-questions
- At such times, the Wh-word sits in the specifier of CP



Modals

Usually modals will take the VP as a *complement*

Mary will swim

Mary must eat

*Mary will swims

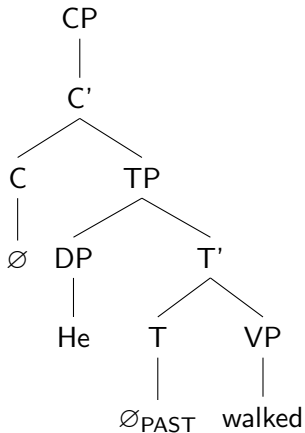
She eats	She can eat
She swims	She must swim

Modals will be in the T in a TP

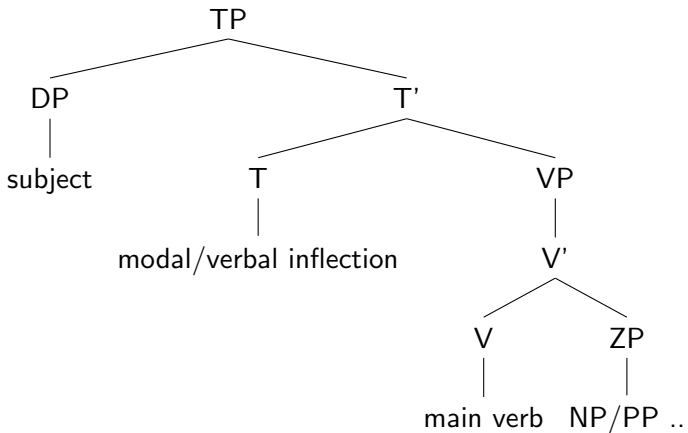
What about a normal sentence?

He walked

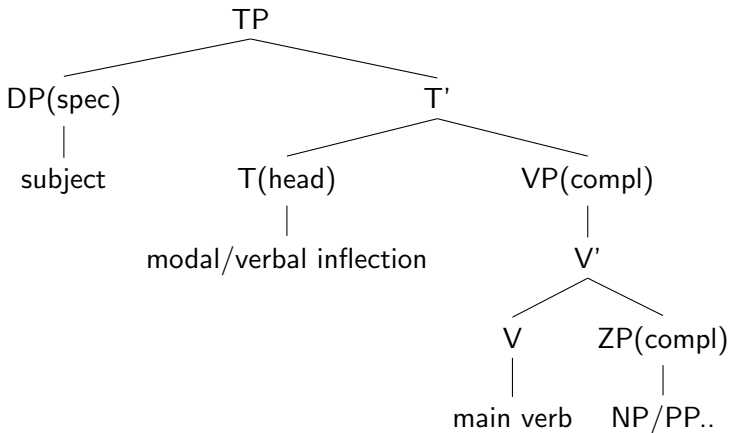
Requires the VP complement to be in past tense form



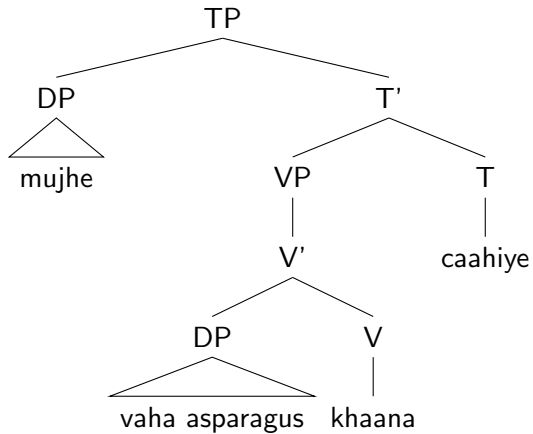
Structural positions



Structural positions



mujhe vaha asparagus khaana caahiye



CFG generates sentences

the man slept
the park slept
the dog slept
a man slept
a park slept
a dog slept

CFG generates sentences

the man slept

the man saw the man

the man saw the park

the man saw the dog

the man saw a man

the man saw a park

the man saw a dog

the man walked in the man

the man walked in the park

the man walked in the dog

Constrain CFG?

VP [NP]	pighalna	(+animate (?))
VP [NP NP]	maarna	(+animate)
VP [NP S]	sochnaa	(+animate)
VP [NP NP S]	bataana	(+animate, +human)

Thematic relations

- Agents, Causers
- Experiencers
- Themes
- Instruments
- Recipients
- Location
- Goal

Theta grid

[John_i] placed [the flute_j] [on the table_k]

place		
Agent	Theme	Goal
DP	DP	PP
i	j	k