

Introduction to English Linguistics

5: Grammar and Syntax II

Syntactic Schools

Generative (or Transformational) Grammar

A linguistic model postulating an innate set of syntactic rules from which all linguistic utterances are generated, involving a **transformation** from an underlying **deep structure** to the apparent **surface structure**.

[Deep Structure] → [Subsystem] → [Surface Structure]

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[Deep Structure] → [Subsystem] → [Surface Structure]

Cognitive Grammar

Understands language as an abstract symbolic system directly rooted in the same cognitive processes used for other thought processes and thus not routed through a syntactic subsystem.

Generative Grammar

Phrase Structure Rules

Rules for parsing syntactic structures, defining the constitution of phrases with a view to finding structural correspondences across languages.

$S \rightarrow NP VP$: *A sentence consists of a noun phrase followed by a verb phrase.*

$NP \rightarrow (Det) (A) N (PP)$: *A noun phrase consists of a noun preceded by the optional elements determiner and adjective and followed by the optional element prepositional phrase.*

NP	Noun phrase	AP	Adjective phrase
VP	Verb phrase	PP	Preposition phrase
AdvP	Adverbial phrase	Det	Determiner
Deg	Degree word	Aux	Auxiliary verb
Con	Conjunction	S	Sentence

(Generative) Syntactic Constituents

(Cf. parts of speech.)

Label	Description	
N	Noun	
V	Verb	
A	Adjective	▶ Lexical
P	Preposition	▶ Can head a phrase
Adv	Adverb	
T	Tense	
C	Complementizer	
Det	Determiner	▶ Nonlexical
Deg	Degree word	▶ Cannot head a phrase
Aux	Auxiliary verb	
Con	Conjunction	

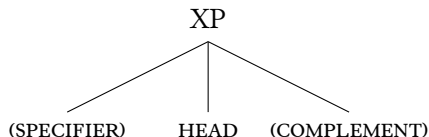
▶ Pronoun \equiv N without specifier or complement

▶ Possessive \equiv N

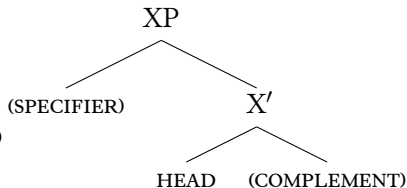
X-Bar Theory

Models all phrases as specifier-head structures by positing a projected head, raising specifiers above the level of complements.

Multiple Branching Schema



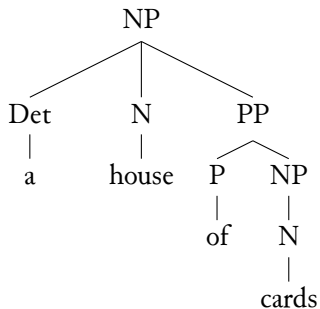
X-Bar Schema



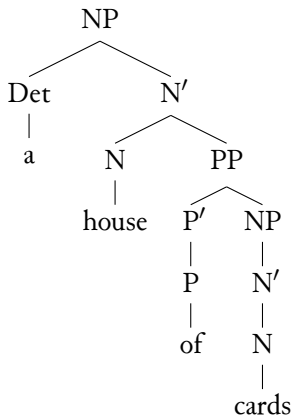
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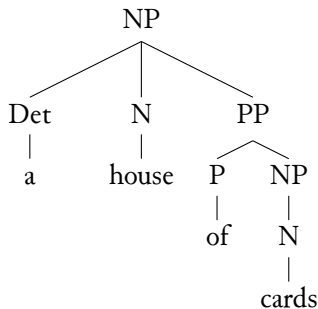
X-Bar Schema



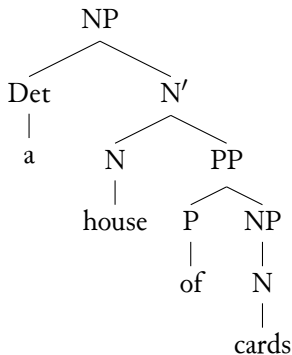
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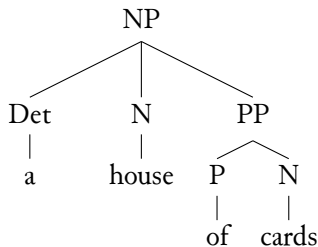


X' level only required in phrases with both specifier and complement.

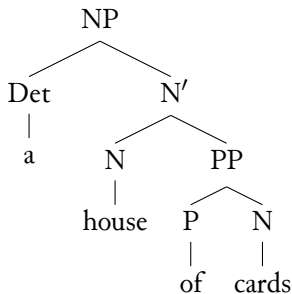
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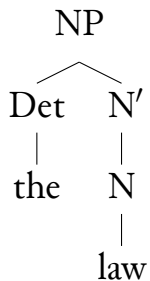
X-Bar Schema



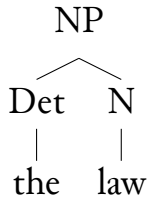
(You may also omit XP where it's just a head, but I won't here.)

X-Bar Phrase Structure

Full Schema

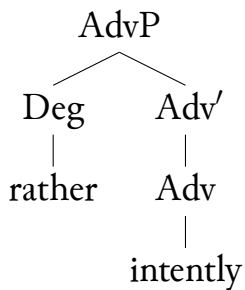


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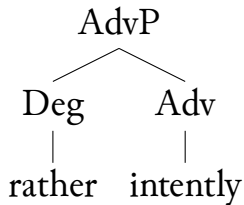


X-Bar Phrase Structure

Full Schema

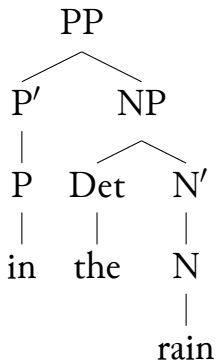


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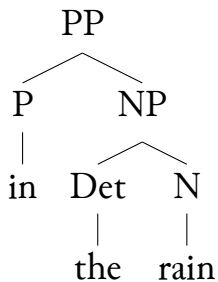


X-Bar Phrase Structure

Full Schema

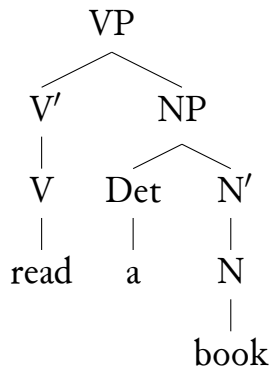


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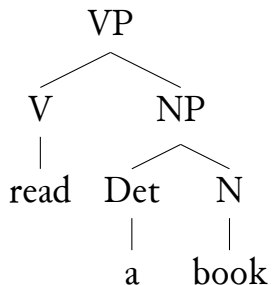


X-Bar Phrase Structure

Full Schema

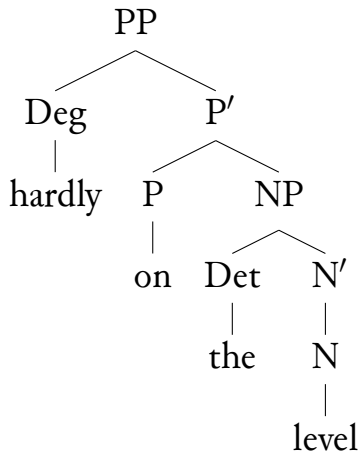


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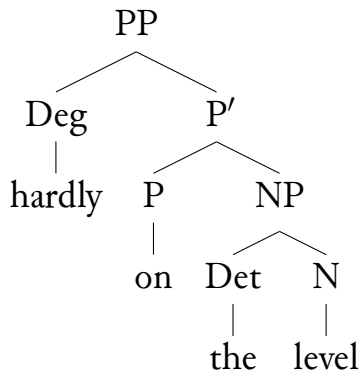


X-Bar Phrase Structure

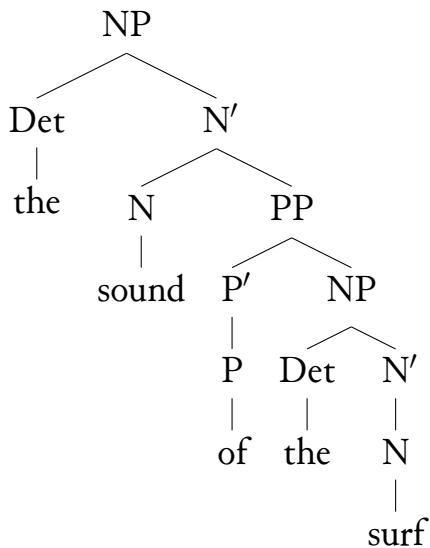
Full Schema



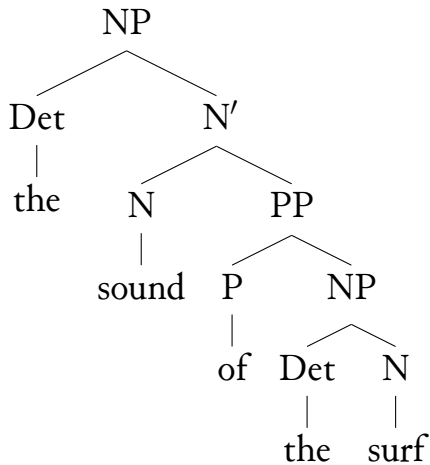
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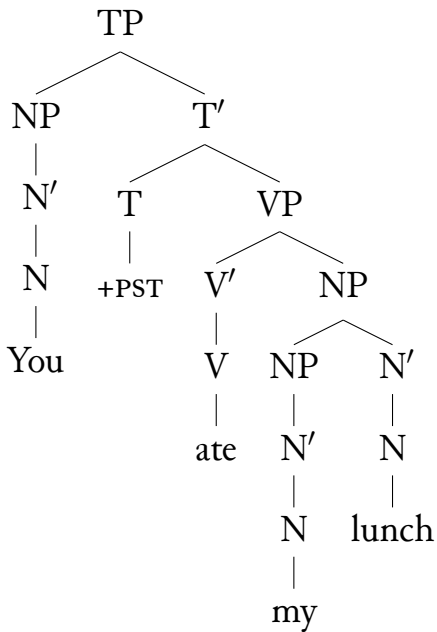
X-Bar Phrase Structure (Full Schema)



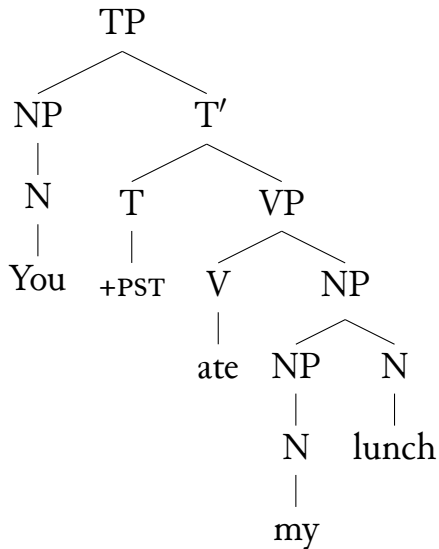
X-Bar Phrase Structure (Compact Schema)



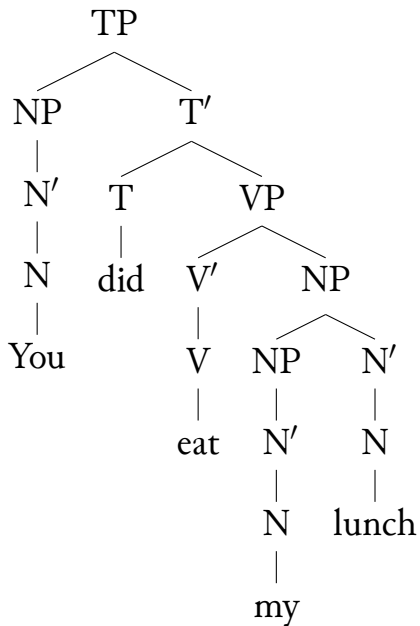
X-Bar Sentence Structure (Full Schema)



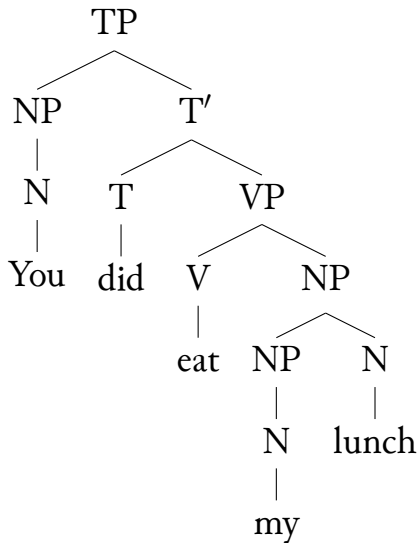
X-Bar Sentence Structure (Compact Schema)



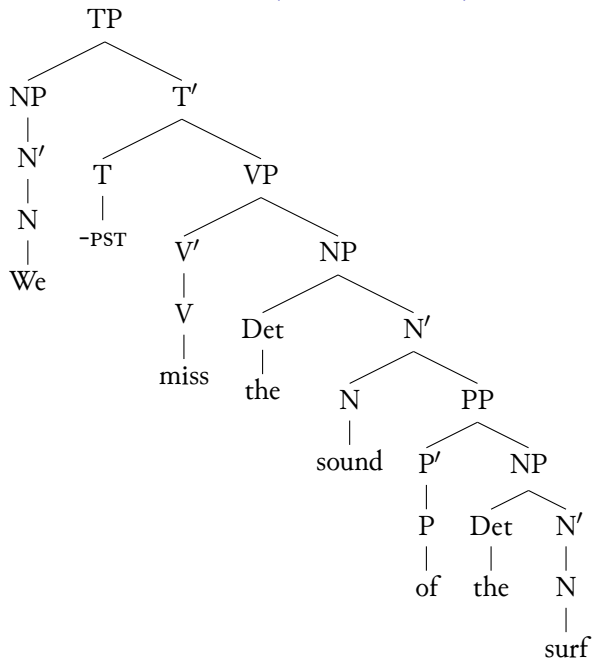
X-Bar Auxiliary Structure (Full Schema)



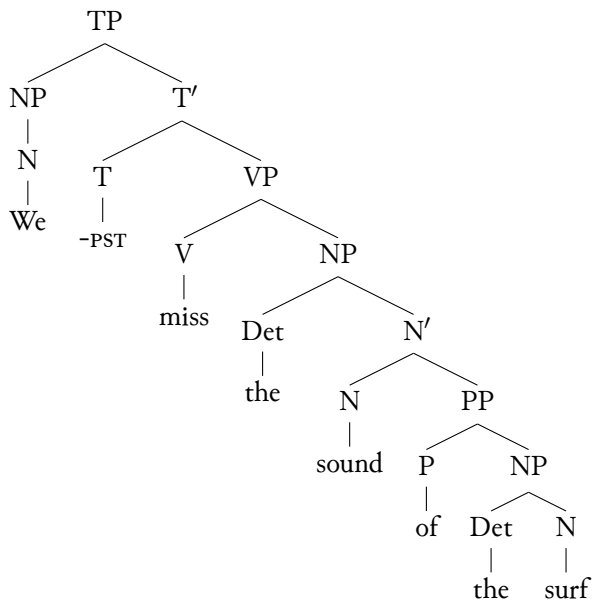
X-Bar Auxiliary Structure (Compact Schema)



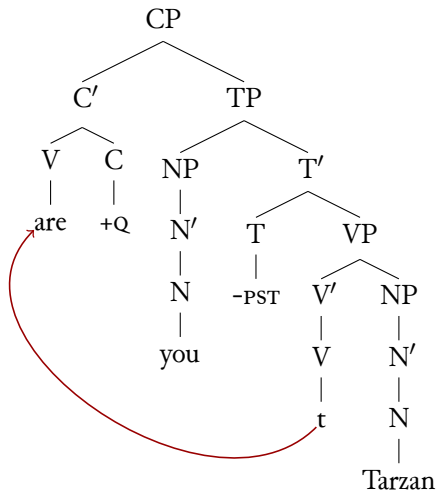
X-Bar Sentence Structure (Full Schema)



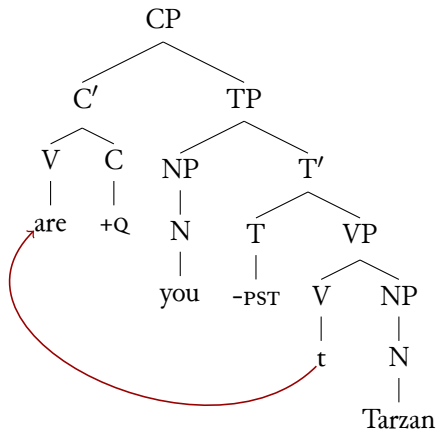
X-Bar Sentence Structure (Compact Schema)



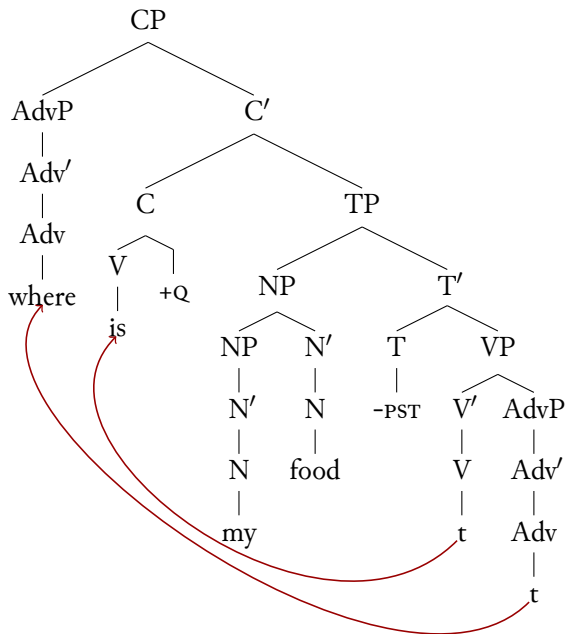
X-Bar Yes/No-Movement (Full Schema)



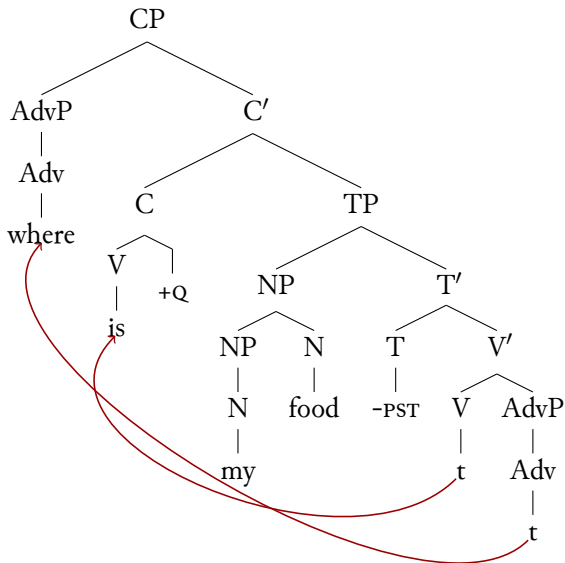
X-Bar Yes/No-Movement (Compact Schema)



X-Bar *Wh*-Movement (Full Schema)



X-Bar *Wh*-Movement (Compact Schema)





P. S. Langeslag