

# Exercise: English X-bar grammar to minimalist grammar

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UdS minimalist seminar

June 13, 2017

1.  $CP \rightarrow C TP$
2.  $CP \rightarrow C'$
3.  $C' \rightarrow C TP$
4.  $TP \rightarrow T'$
5.  $T' \rightarrow T VP$
6.  $VP \rightarrow DP_{(NOM)} V'$
7.  $VP \rightarrow DP_{(NOM)} V$
8.  $V' \rightarrow DP_{(DAT)} V'$
9.  $V' \rightarrow V DP_{(ACC)}$
10.  $V' \rightarrow V CP$
11.  $V' \rightarrow V' PP$
12.  $DP \rightarrow D NP$
13.  $DP \rightarrow D$
14.  $NP \rightarrow N$
15.  $NP \rightarrow N PP$
16.  $PP \rightarrow P DP$

Movement rules:

1. A nominative DP can move to be daughter of the first TP that dominates it and sister of T'
2. Anything with focus, topic, or wh features can move to be daughter of CP and sister of C'

**Subcategorisation:**

word	category	subject	direct object	indirect object
see	V	DP	(DP)	
sing	V	DP	(DP)	
fly	V	DP		
devour	V	DP	DP	
eat	V	DP	(DP)	
put	V	DP	DP	PP
give	V	DP	DP	DP/PP
think	V	DP	(CP)	
wonder	V	DP	CP	
destruction	N		(PP)	
should	T		VP	
can	T		VP	
whether	C		TP	
did	C		TP	
of	P		DP	

**Example sentences**

- (1)
- a. Heidi saw a goat
  - b. Heidi ate the cheese
  - c. The goat devoured the grass
  - d. Heidi ate
  - e. Grandfather put the milk in a bowl
  - f. Who drank the milk?
  - g. Did Heidi drink the milk?
  - h. Heidi gave the goat some grass
  - i. Heidi gave some grass to the goat
  - j. Heidi thinks goats should fly
  - k. The goat wonders whether it can fly
  - l. Peter sings
  - m. Peter sings a song
  - n. The destruction of the pasture gives Heidi an idea
  - o. The cheese Heidi eats (... *but not the bread*)

**1. Make a lexicon for a minimalist grammar that generate these sentences**

**2. Draw a derivation tree for at least one easy and one hard sentence to demonstrate your grammar**