Bogaziai Ling.

Ling 488

## Command Relations

\_ what are they?

granmar

- uhy ob me home two command relations? syntaxsemantis

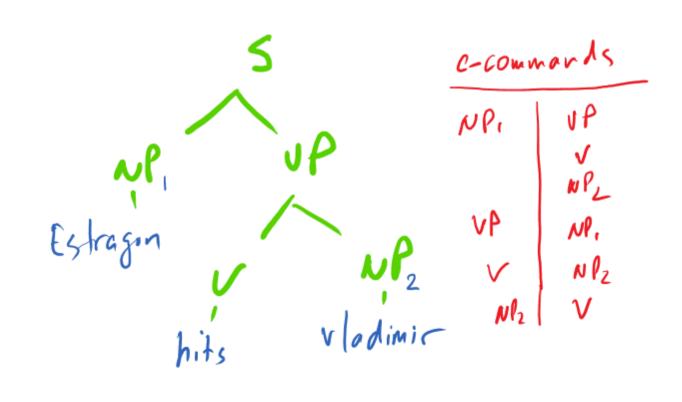
- The they free to vary among typology

A commands & in general wears: - A can see Swhot hoppens to B. - And the inverse does not hald.

- B connot le these to d.

## Syntactic command relations

## C-command of gresolivism



S-command of Monodic
prammer (Bosselin)

NPI NPZ

Because this entire Structure can be fuction captured by one fuction

hits :: (5/mp1)/N/2

. C-command must serve all command-Mated asymmetries,
noluding
_ binding
- Constituency
a comerneu t
- grammatical relations
- Scope (quantifiers) 5-Command is syntactic command; it serves syntactic velations
- constituency (including its scope)
Binding and quantifier scope is semantically determined syntactically

5-command in (slup) Inp 7 Where is S-command NP, N/2

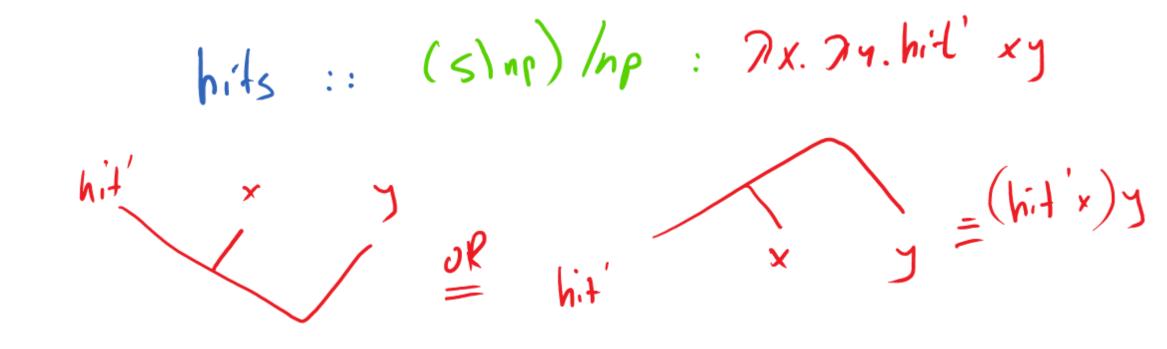
5- command is a later-than relation. It MUST be a relation between arguments, not any phrase label.

The phrase structure on the left is determinable by a single fraction using s-rommand; rampare

C-command.

Estragon V NA hits Vladimir Est cagon SMP (slop)/np np hids Vladimic Can semantic command be driven by the same function?

- colled 1- command in Bozsahin (2025).



Combining S\_command and S: hit v'e' 1- command (5/np): 2y. hit'v'y (5/np)/np: 7x.74.hd'xy Estragon Vladimir  $\left( \sum_{x} \sum_{y} h't' xy \right) v' = \sum_{y} h't' v' y$ ( Ay. hit' v'y) e' = hit' v'e'

When the function is more roughex, we can see s-command and 1-command doing their our work TOBETHER without external help:

persua des :: (s)np)/vp/np : Mx. Np. Ny.

persuade' (pr)xy

Compare

expects :: (slop)/up/np: 7x.7p 75.

expects :: (slop)/up/np: 7x.7p 75.

expects prod' (px) y

## - Categorial typology = Possible rommand variations

- Vocionts: substantive Cotgories that differ intro-linguistically and cross. Injuistically.

- Invariants: Shurtine of analysis
(for monadic grammer, Ruchun
Composition).

Q: Are s-command and L-command free to vary within themselves?

A: We need to look at world's languages
for that

This is an empirically lestable anostrin. (from Bozsahin 2025; charter 2)

- see the book for example sources

- Verb-medial languages: English (I): SUD (II) : OVS Hixkaryana verb-peripheral languages: - Verb-final languages: Turkish (cased), Lakhota (case-Dyrrbal less) (III): SOV (1V): OSV - verb-initial languages Welsh (VI): VOS Malagasy

Clause typology by verbal category: (I) Let's Start with SVO basic order hits: (slap)/ap: 71x. My. hit'xy English
More precisely hits:: (s)np35)/np: Dx. My. hit'xy
short for MPagr=35

There are SVD languages without agreement.

Lisi chen-grò yi.tiao chuan.

Lisi sink-ASP one Ship

One of Lisi's ships Sank.' Xu (2004) Mardarin Chinese

che'n:: (s/np)/np: 7x.7y. cavse' (sink'x one') y

L) no agreement

A link'xy

(II) DVS languages

yokheku:: (5/np)\np...Tx. My. seud xy Hixkarjana
Derbyshire (1977)

Mawaka yokhelu waraka rohyaka oroke Axe he-sent-it w to-me yesterday waraka sent the axe to me yesterday.

NB. subject and object agreement appear as offixes on the varb

OVS without agreement? Probably the dosest is Nadib (Brazil)

Salaap ki-yok kalapé hã
measles thematic-aspectfall-multiple chi ldren Dative
The chi ldren caught measles.

The chi ldren caught measles.

Lit. 'measles fell on the children.'

ex. (5a)

- Could be OSV, NB. the thematic worker in OVS. Weir sais USV.

(III), sor languages olu:: (SInprom) | MPacc: 7x. 7y. read'xy Is short for case=acc Ayre bitabi olw-du.

A. NOM book-ACC read-PAST.35 olev-du. Turluish read the book. Ayse

- Sou without case? Lakhota (Siovan) Dakota

v ki motho' ki \$-\$-kté. the bear the 3s9-3s9-kill The whiteman willed the hear. Lakhota van Valih Jr.
(1987)
ex. (8a) kte':: (s(np) \np: 7)x. 2y. kill'xy bear whiteman's why Sov?

(IV): OSU languages

yabu juma-jgu hura-n mother-ABS father-ERG see-NONFUT IFather saw mother.

Dyrbal Dixon 1994:10

young banage-nou Filher. ABS return-NowfoT 'Father returned.'

bura-n: (slapabs) Nlerg : 7y.71x.5ee'xy why is the following OSV?

bura-n :: (s\npabs)\ nleg: 74. Dx. see'xy

Supers : X y See' 1 mens mens

- Are there USV languages without case? - iyrology research suggests there is no language with - OSV basic order \_ no rgreenent - no case

- Are we so sure about that?

m<sup>33</sup> Lo<sup>44</sup> ndv<sup>21</sup> Liangshar Nuosu (Southwest China) m33 Ka55 Muga Mugo beat Gerner (2004) (1) Muga beat Muga !
(2) Muga beat Muga! muga (only (1) is available) --- and cried mya (outy (?) is available)
IN RESULTATIVES

ndu :: (Sms/m)/M : Ax. 24. beatyx

rdu :: (s\ m)\np: 71x. 27. beat'xy

(V): USD languages

Mi new dith Sión ei feddwl.

PRT change. FuT.3s Sion 3MS mind. INF

Sión will change his mind. ' Welsh

Borsley et. al 2007:52

rewidith: (5/NP)/NP35: 24. 7X. change xy

Are there USO ergative languages? na Pihu ka dangi=na ERG 1:hu ABS friend=3s. hube-un Wada ABS friend=3s. GEN MIT-TR PERF Seedig (Austronesian, Seedig from Taiwan) Aldridge 2008:986 Pihu hit his friend. bube-un :: (S/Mahs)/Werg: My. Dx. hit'xy

(VI): VOS languages

Rabe ny fiolahy norenfila the thief labe Chase · Rabe is chasing the thief. Malagassar) (Madajassar) Keenan 2008: 469

man-enfilea :: (s/np)/np : >x. xy. chase xy

we have seen that:
ne nave sen man la production aux realized as basic in some language.
- Syntactic command relations are free to your (subject combines, later than the
- Syntactic command relations exemple.)  object, for example.)  - Jemantic Command (1-command) relations  desending on S-command.
- All linds of correspondences have been afterted.

All? what about other options for verb-medial languages?

hits:: (s\nP35)/2P: Dx. Ay. hit' xy hits: (5/Np)\Nl2s: Dx. Dy. hit'yx BOTH me SVO

(5/M35)/NP seems best for accusative English because its intransitives are SV, that 13, 5/ M35. Estragon hits Wadinin

Estragon laughs.

Estrajon hits Vladinin and larghs.

Pari is ergative and varb-medial. Syntactic subject is first in the clause:

Ubur 1 dhaag-E.
Ubur-ABS C-beat ubur.
The usman beat Ubur.

Pari (Nilotic)

Andersen 1988:292

where ABS c-play

pubt :: LS/NPerg) Nobs : 7x. 24. Seat xy

tule : 5 nPahs : 7x. play x

=> (s/wp)/mp seems better for Pairi.

- A similar argument can be made for the other kind of verb-mediality: OVS recall Hixtaryana (ovs) yokhelu:: (5/NP)\NP: 71x.74. seud'xy - why not (s\m)/NP: DX. Dy. NoB'yx, which would also be OVS?

EXERCISE!