-> <u>Ellipsis</u>: Omitted

Eg: Do you like fish ? Yes I do.

-> <u>Reference Resolution</u> :

-> Constraints & Preferences :

› Referents

› Number, Gender, Case

i) <u>Person Agreement</u> :

<u>Referent & referring expressions must

agree in person</u>.

Eg: Zuha & I bought a camera. We
like capturing nature bliss.
(We = I & Zuha)

→ Zuha & Prabha bought a camera.

We like capturing nature blue.

↳ Requires resolution of interaction.

ii) **Gender Agreement** :

↳ Zuha bought a printer. <u>She is</u>

<u>printer now</u>.

↳ It is printer now.

iii) **Case Agreement** :

↳ him/her/them ~ object

he/she/it ~ subject

iv) **Selectional Restrictions** :

↳ Placed by verbs on their arguments.

↳ . ?I . t . apple on the table.

Eg: Zuha put an apple on the table.
She is eating it.

v) Recently introduced references:

vi) Parallelism:

Eg: Zuha went with Juha to the computer
shop. Danish went with her to the
computer institute.

↳ Her refers to Juha & not Zuha.
Rule of structural parallelism.

-> Discourse Coherence:

-> Coherence Relations:

↳ Result: So~ Sentence zero

Eg: the Tin Woodman was caught in the

Eg: The Tin Woodman was caught in the rain. His joints rusted.

⤷ <u>Explanation</u>:

Eg: John hid Bill's car keys. He was drunk.

⤷ <u>Parallel</u>: Infer $P(a_1, a_2 \ldots a_n)$ from the assertion S_0 & $P(b_1, b_2 \ldots b_m)$ from the assertion S_1 where a_i & b_i are similar for all i.

Eg: The scarecrow wanted the brain.
The Tin Woodman wanted the heart.

⤷ <u>Elaboration</u>: Infer the same proposition from assertions S_0 & S_1.

Eg: Dorothy was from Kansas. She lived in the midst of the great Kansas Prairies.

⤷ <u>Occasion</u>:

Eg: Go out of this door. Turn right.

Eg: Go out of this door. Turn right

Go to the second room.

→ Discourse Segmentation: Separating a document

into a sequence of subtopics.

⤷ Discourse Segment:

→ A sequence of clauses that display
local coherence.

→ A sequence of clauses, possibly
interrupted by subsegments forming
a hierarchical structure.

→ Each segment is a coherent unit.

→ A simple progression in time & location.

→ A fixed set of speakers & hearers.

→ A fixed set of background assumptions.