



Center for Research in Urdu Language Processing
National University of Computer and Emerging Sciences, Lahore Pakistan

Reference No:

Revision History:

Name	Change Date	Version	Description of Changes
Kiran Khurshid	28 th December 2004	0.1	Created
Zunaira Malik	9 th August, 2005	0.2	Addition of neg and optional comma, also New Release

Rule ID: EGR240

Rule Syntax:

ADJPmain -> (neg) ADJP [(comma) ADJP]* (coord_conj) (neg) ADJP

ADJPmain -> correlative ADJP coord_conj ADJP

ADJPmain -> ADJP

Rule Functional Description:

- 1) ADJPmain -> (neg: ^=!;) ADJP: !\$ ^; [(comma:;) ADJP: !\$ ^;]* (coord_conj: ^ CONJ_FORM = ! CONJ_FORM;) (neg: ^ = !;) ADJP: !\$ ^, ^ ADJ_FORM = ! ADJ_FORM;.
- 2) ADJPmain -> correlative: ^=!; ADJP: !\$ ^; coord_conj: ^ CONJ_FORM = ! CONJ_FORM, ^CONJ_FORM = ^_ALLOWED_CONJ; ADJP: !\$ ^;
- 3) ADJPmain -> ADJP: ^=!;

Frequency: -

Description: This rule combines adjective phrases through coordinate conjunctions and correlatives.

c-structure: An adjective phrase can combine with another adjective phrase using a coordinate conjunction and correlatives.

f-structure: The adjective phrases occurring before the coordinate conjunction can be more than one, separated by a comma in between. However, in the case of correlatives no comma is currently allowed.

Example:

1. She has a blue or pink frock. (Production 1)
2. She has neither blue nor pink frock (Production 2)
3. The girl is not good and not happy (Production 1)
4. Silky Brown hair (optional comma , Production 1)



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Rule Status: Active

Reference:

(1) Miriam Butt, Tracy Holloway King, "A Grammar Writer's Cookbook"

Related Rules:

Related POS: EPOS117, EPOS122

Replaces: EGR147

Reason: Addition of neg and optional comma, also New Release

Replaced by: -



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Analysis:

Analysis 1: The basic approach to constituent coordination in LFG is as follows [1]:

$$\text{SCCOORD (CAT)} = \text{CAT} ([\text{COMMA CAT}]^+ (\text{COMMA})) \text{ CONJ CAT}$$

Here, the CAT (category) is ADJP (Adjective phrase). This rule combines adjective phrases with coordinate conjunctions.

Example: i) She wants to hide or to leave unnoticed.
ii) She wants to sit and to eat slowly.
iii) She doesn't want to run but to drive home.

Coordination of ADJP might be possible using correlative conjunctions. In that case there is an endorsing item at the beginning of the phrase which takes only a particular coordinator with it. For more information refer to the POS document for correlative.

Example: i) She is either good or bad.
ii) She is neither good nor bad.
iii) She is both good and bad.

Result: We decided on the above analysis.

Future Work: