



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
Zunaira Malik	6 <sup>th</sup> July, 2005	0.1	Created

Rule ID: EGR235

Rule Syntax:

ADVPmain\_premod -> ADVP (coord\_conj)(ADVP)

ADVPmain\_postmod -> ADVP (coord\_conj)(ADVP)

Rule Functional Description:

- 1) ADVPmain -> ADVP:! \$ ^ADJUNCT ADV V\_PREMOD, !ADV\_TYPE =c V\_MOD; (coord\_conj: ^ ADJUNCT ADV V\_PREMOD CONJ\_FORM = !CONJ\_FORM, ! CONJ\_FORM =c 'AND'); (ADVP:! \$^ ADJUNCT ADV,!ADV\_TYPE =c V\_MOD ;).
- 2) ADVPmain -> ADVP:! \$ ^ADJUNCT ADV V\_POSTMOD, !ADV\_TYPE =c V\_MOD; (coord\_conj: ^ ADJUNCT ADV V\_POSTMOD CONJ\_FORM = !CONJ\_FORM, ! CONJ\_FORM =c 'AND'); (ADVP:! \$^ ADJUNCT ADV,!ADV\_TYPE =c V\_MOD ;)

Frequency: -

**Description:** this rule is used to denote the combination of adverbs with the conjunction AND before and after a verb occurring in a sentence.

*c-structure:* a main ADVP phrase can contain a single adverb or a combination of adverbs separated by the conjunction AND. This may occur before or after a verb in a sentence.

*f-structure:* The first production represents a adverbial phrase which is made into an ADJUNCT, then an ADVERB and lastly defined as a pre-modifying adverbial phrase(V\_PREMOD). A check is placed for the adverb to be of V\_MOD type, that is that is should modify a verb. Than comes the coordinate conjunction AND, which is optional and if occurs than is placed within the ADJUNCT ADV V\_PREMOD set. The occurrence of a conjunction is followed by another adverbial phrase which is similar to the initial ADVP and contains a check for V\_MOD type adverb.

The second production is similar to the first one with the exception of the V\_POSTMOD label. These labels differentiate between the two ADVPmain productions because we need to identify them for correct translation into Urdu which is different due to the POST or PRE occurrence of an adverbial phrase.

Example:

- 1) She is happily and quickly eating. (V\_PREMOD with conjunction)
- 2) She is eating quickly and skillfully. (V\_POSTMOD with conjunction)
- 3) She is finally eating. (V\_PREMOD)



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4) She is eating quickly. (V\_POSTMOD)

**Rule Status:** Active

**Reference:**

**Related Rules:** EGR215,

**Related POS:** EPOS117

**Replaces:** -

**Reason:** - addition in release 5 due to VPact\_main requirement for ADVPs with conjunctions before and after verbs.

**Replaced by:** -



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**Analysis:**

**Future Work:**

1) Need to incorporate this in the grammar as right now there are problems with the parser and it does not run the VPact\_main production when it goes through the ADVPmain production to get to the ADVP. Right now, this production has been put flatly within the VPact\_main rule. The present and the future form of the rule is given in **advanced grammar rules.txt**