



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
Shanza Nayyer	3 <sup>rd</sup> Nov, 04	0.1	Created
Zunaira Malik	20 <sup>th</sup> June, 05	0.2	Change in MULTP of NCOUNT, NUM to NNUM, Change in FRACTIONP by removal of SPEC set name, change in adv of ADV_TYPE and NCOUNT, NUM to NNUM

Rule ID: EGR232

**Rule Syntax:** Following is the constituent description of the rule.  
PREDET -> [ MULTP | FRACTIONP | adv | PREDETQUANTP ]

**Rule Functional Description:** Following are the functional specifications of the rule:

PREDET -> [PREDETQUANTP: ^QUANT = !, ^DEF = POS, ^NUM= ! NUM; | MULTP: ^MULT = !, ^NCOUNT = !NCOUNT, ^NNUM = {SG}; | FRACTIONP: ^FRACTION=!, ^DEF = POS, ^NCOUNT = {POS,NEG}, ^NNUM = SG; | adv: ^ADV=!, ^ADV\_TYPE =c N\_MOD, ^DEF = NEG, ^NCOUNT = {POS,NEG} , ^NNUM = SG; ].

**Frequency:** -

**Description:** This rule shows the functional and constituent structure of pre- determiner phrase.

*c-structure:* Basically DETP phrase is divided into three parts PREDET, DETP and POSTDET. PREDET can have MULTP (multiplier phrase), FRACTIONP (Fraction phrase), adv(adverb) or PREDETQUANT (pre-determiner quantifier). Addition in NUM of PREDETQUANTP to check for PL subjects in case of “few” and “many” which can only take plural subjects.

*f-structure:* Everything in PREDET goes as a SPEC to the mother node i.e. PRENOMP.

**Examples:**

In the following examples the underlined part is the pre-determiner phrase:

- 1) She spent three times the amount. (MULTP)
- 2) Give me two sixth the pie. (FRACTIONP)
- 3) Many of the books are missing. (PREDETQUANTP)
- 4) This room is quite a mess, isn't it? (adv)



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**Rule Status:** Active

**Reference:**

- [1] Miriam Butt, Tracy Holloway King, "A Grammar Writer's Cookbook"
- [2] "A Lexicalized Tree Adjoining Grammar for English", Institute for Research in Cognitive Science, University of Pennsylvania
- [3] <http://webster.commnet.edu/grammar/determiners/determiners.htm>
- [4] B. A. Hockey and Heather Mateyak, "Determining Determiner Sequencing: A Syntactic Analysis for English" University of Pennsylvania.

**Related Rules:** EGR134, EGR135, EGR136

**Related POS:** EPOS102

**Replaces:** EGR131

**Reason:** change in MULTP, FRACTIONP and adv

**Replaced by:** -

**Reason:** -



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**Analysis:** Following is the in-depth analysis of the rule.

*Analysis 1:* Check the DETP reference document for detailed analysis

**Result:** -

**Future Work:** Following issues need to be addressed, and constraints to be included respectively, after further analysis:

Constituency tests will be applied to check of validity of PREDET being flatly placed with DETP.