



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	6 th September 2004	0.1	Created
Kiran Khurshid	22 nd September 2004	1.0	Approved by SA
Zunaira Malik	9 th august, 2005	1.2	New Release

Rule ID: EGR251

Rule Syntax:

AuxPinf -> aux AuxPinf -> aux aux AuxPinf -> aux aux aux

Rule Functional Description:

AuxPinf -> aux:^_AUX1 = !, ^_MAUX = !, ^_AUX1 _MORPH_FORM = TO_INF, ^_MAUX TNS_ASP _JUNK = 'check':.

AuxPinf -> aux: ^_AUX1 = !, ^_AUX1 _MORPH_FORM = TO_INF; aux: ^_MAUX = !, !_MORPH_FORM =c ^_AUX1 _ALLOWED_FORM, ^_MAUX TNS_ASP _JUNK = 'two_aux_in_auxpinf';.

AuxPinf -> aux: ^_AUX1 = !, ^_AUX1 _MORPH_FORM = TO_INF; aux: ^_AUX2 = !,!_MORPH_FORM =c ^_AUX1 _ALLOWED_FORM; aux: ^_MAUX = !, !_MORPH_FORM =c ^_AUX2 _ALLOWED_FORM;.

Frequency: -

Description: This rule is for all the combinations of auxiliaries that can occur in a to-infinitive clause.

c-structure: An infinitive auxiliary phrase can allow zero to three auxiliaries.

f-structure: The values starting with "_" are junk values only to check wellformedness of the phrase.

Example:

- (1) You need to run to catch the bus
- (2) We are glad to have invited you.





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Rule Status: Active

Reference:

(1) Pam Peters, "The Cambridge Guide to English Usage"(2) Quirk et al, "A Comprehensive Grammar of the English Language"

Related Rules: -

Related POS: EPOS101 Replaces: - EGR107 Reason: - New Release

Replaced by: -





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Analysis:

Analysis 1: The basic nonfinite forms of verbs such as (to) ask, (to) go, (to) decide are called **infinitives** [1]. There are 5 basic forms of full verbs given on [pp. 96-97, 2]. The base form of the verb has two nonfinite forms: 1) the bare infinitive and 2) the *to*-infinitive. This rule is used to parse the auxiliaries that can occur in to-infinitive phrases.

If we relate the structure of the nonfinite verb phrase to that of the finite verb phrase, we can tabulate the eight possible combinations as follows [pg. 153, 2]:

Type of verb phrase	Infinitive	Туре
Simple	to examine	
	to have examined	В
	to be examining	С
Complex	to have been examining	D
Complex	to have been examined	BC
	to be being examined	CD
	to have been being examined (rare)	BCD

Where Type B, C and D mean [pg. 152, 2]: Type B: perfective aux (HAVE) + -ed participle

Type C: progressive aux (BE) + -ing participle

Type D: passive aux (BE) + -ed participle

To cover all these combinations of auxiliaries the above three productions are used. Note that "have", "been", "being" and "be" are all auxiliaries named as "aux". The _AUX1 and _AUX2 are temporary structures to check the well-formedness of the sentence. Similarly, all other values starting with "_" are used to check well-formedness.

Result: We decided on the above analysis.

Future Work: