Ragir Zebari, Sydney Corrigan, Josh Shor

CS421 Krell - Hint on inserting semantic routines

Add the following in the right places in your left factored grammar rules.

Email the rules to me on/before Week15A.

- #getEword# -- looks up the dictionary using saved_lexeme and stores into saved_E_word
- #gen("CONNECTOR")#
- #gen("ACTOR")#
- #gen("OBJECT")#
- #gen("TO")#
- #gen("ACTION")#
- #gen("DESCRIPTION")#
- #gen("TENSE")#

For all lines except for TENSE:, saved_E_word is generated. Otherwise, saved_token is generated:

After CONNECTOR is seen,
#gen# generates the **CONNECTOR**: line

Right after SUBJECT is seen, #gen# generates the **ACTOR**: line

Right after

#gen# generates the **DESCRIPTION**: line

#gen# generates the **TENSE**: line

Right after OBJECT is seen, #gen# generates the **OBJECT:** line

Right after DESTINATION is seen, #gen# generates the **TO**: line

After <verb> is seen, #gen# generates the **ACTION:** line

Right after <tense> is seen, #gen# generates the **TENSE**: line

Error messages 2 screen

IRs 2 translated.txt

LEFT FACTORING

<s> ::= [CONNECTOR] <noun> SUBJECT <after subject>

<after subject> ::= <verb> <tense> PERIOD | <noun> <after noun>

<after noun> ::= <be> PERIOD | DESTINATION <verb> <tense> PERIOD | OBJECT <after object>

<after object> ::= <verb> <tense> PERIOD | <noun> DESTINATION <verb> <tense> PERIOD

Updated left factored grammar rules inserted semantic routines

<s>::[CONNECTOR #getEword# #gen("CONNECTOR")#] <noun> #getEword# SUBJECT
#gen("ACTOR")# <after subject>

<after subject> ::=<verb> #getEword# #gen("ACTION")# <tense> #gen("TENSE") PERIOD | <noun> #getEword# <after noun>

<after noun> ::= <be> #gen("DESCRIPTION")# #gen("TENSE")# PERIOD | DESTINATION
#gen("TO")# <verb> #getEword# #gen("ACTION")# <tense> #gen("TENSE")# PERIOD |
OBJECT #gen("OBJECT")# <after object>

<after object> ::=<verb> #getEword# #gen("ACTION")# <tense> #gen("TENSE")# PERIOD | <noun> #getEword# DESTINATION #gen("TO")# <verb> #getEword# #gen("ACTION")# <tense> #gen("TENSE")# PERIOD