**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 <be>,

#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 🡺 screen**

**IRs 🡺 translated.txt**