

## CS421 Krell - Updated Factor Rules

Recursive Descent Parsing requires each rule to have a unique start.

Keep it one rule until it starts to be different

```
2 <s> ::= [CONNECTOR] <noun> SUBJECT <verb> <tense> PERIOD
3 <s> ::= [CONNECTOR] <noun> SUBJECT <noun> <be> PERIOD
4 <s> ::= [CONNECTOR] <noun> SUBJECT <noun> DESTINATION <verb> <tense> PERIOD
5 <s> ::= [CONNECTOR] <noun> SUBJECT <noun> OBJECT <verb> <tense> PERIOD
6 <s> ::= [CONNECTOR] <noun> SUBJECT <noun> OBJECT <noun> DESTINATION <verb> <tense> PERIOD
```

---

```
<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
```