Group: 25

Class: CS 421 02

Project Part B

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Orginal

1 <story> ::= <s> { <s> } // stay in the loop as long as a possible start

// of <s> is the next\_token (note it can be CONNECTOR or WORD1 or PRONOUN)

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

7 <noun> ::= WORD1 | PRONOUN

8 <verb> ::= WORD2

9 <be> ::= IS | WAS

10 <tense> := VERBPAST | VERBPASTNEG | VERB | VERBNEG

Left factoring applied

1. <story> ::= <s> { <s> } // stay in the loop as long as a possible start
   * 1. // of <s> is the next\_token (note it can be CONNECTOR or WORD1 or PRONOUN)
2. <s>::=[CONNECTOR] <noun> SUBJECT <after\_subject>
3. <after\_subject> ::= <verb> <tense> PERIOD | <noun> <after\_noun>
4. <after\_noun>::=<be> PERIOD | DESTINATION <verb> <tense> PERIOD | OBJECT <AFTER\_OBJECT>
5. <AFTER\_OBJECT>::= <verb> <tense> PERIOD |<noun> DESTINATION <verb> <tense> PERIOD
6. <noun> ::= WORD1 | PRONOUN
7. <verb> ::= WORD2
8. <be> ::= IS | WAS
9. <tense> := VERBPAST | VERBPASTNEG | VERB | VERBNEG