Karim and Engie’s C-Minus ENBF

**Legend:**

Green represents terminals

**[ ]** 🡪 Optional

**{ }** 🡪 Zero or more times

**|**  🡪 Or

**Rules:**

1. program 🡪 declaration-list **|** compound-stmt
2. declaration-list🡪 declaration **{** declaration **}**
3. declaration 🡪 var-declaration
4. var-declaration🡪 type-specifier ID;
5. type-specifier 🡪 int **|** float
6. stmt-list 🡪 **{** stmt **}**
7. stmt 🡪 expression-stmt**|**selection-stmt**|**iteration-stmt**|**read-stmt**|**write-stmt **|** cmp-stmt
8. cmp-stmt 🡪 **{** stmt-list **}**
9. expression-stmt🡪 **[** expression **]**;
10. selection-stmt 🡪 if ( expression ) stmt **[** else stmt **]**
11. iteration-stmt 🡪 while ( expression ) stmt
12. expression 🡪 **[**let var = **]** simple-expression
13. var 🡪 ID
14. simple-expression 🡪 additive-expression **[** relop additive-expression **]**
15. relop 🡪 <= **|** < **|** > **|** >= **|** == **|** !=
16. additive-expression 🡪 term **{** addop term **}**
17. addop 🡪 + **|** -
18. term 🡪 factor **{** mulop factor **}**
19. mulop 🡪 \* **|** /
20. factor 🡪 ( expression ) **|** var **|** FLOAT **|** INT
21. write-var 🡪 expression **|** STRING
22. write-stmt 🡪 write write-var **{**, write-var**}**;
23. read-var 🡪 ID
24. read-stmt 🡪 read ID **{**, ID**}**;