Apéndice B Documentación Parser

Gramática en EBNF

1. program → declaration-list
2. declaration-list → declaration {declaration}
3. declaration → var-declaration | fun-declaration
4. var-declaration → type-specifier ID [¥[NUM ¥]] ;
5. type-specifier → int | void
6. fun-declaration → type-specifier ID ¥(params ¥) compound-stmt
7. params → param-list | void
8. param-list → param {, param}
9. param → type-specifier ID [¥[¥]]
10. compound-stmt → ¥{ local-declarations statement-list ¥}
11. local-declarations → {var_declaration}
12. statement-list → {statement}
13. statement → expression-stmt
                 | compound-stmt
                 | selection-stmt
                 | iteration-stmt
                 | return-stmt
14. expression-stmt → [expression] ;
15. selection-stmt → if ¥(expression ¥) compound_stmt [else compound_stmt]
16. iteration-stmt → while ¥(expression ¥) compound_stmt
17. return-stmt → return [expression] ;
18. expression → {var =} simple-expression
19. var → ID [¥[expression ¥]]
20. simple-expression → additive-expression [relop additive-expression]
21. relop → <= | < | > | >= | == | !=
22. additive-expression → term {addop term}
23. addop → + | -
24. term → factor {mulop factor}
25. mulop → *|/
26. factor → NUM | (expression) | call | var
27. call → ID (args)
28. args → arg-list | ε
29. arg-list → expression {, expression}