1. <prolog> → require "ifj21" <prog> EOF
2. <prog> → global ID : function (<params_type>) <ret_type> <prog>
3. <prog> → function ID (<params>) <ret_type> <statement> end <prog>
4. <prog> → ID (<arg>)
5. <params_type> → <type> <params_type_n>
6. <params_type> → ε
7. <params_type_n> → , <type> <params_type_n>
8. <params_type_n> → ε
9. <ret_type> → : <type>
10. <ret_type> → ε
11. <params> → ID : <type> <params_n>
12. <params> → ε
13. <params_n> → , ID : <type> <params_n>
14. <params_n> → ε
15. <statement> → local ID : <type> <def_var> <statement>
16. <statement> → ID <id_list> = <def_value> <statement>
17. <statement> → if <expression> then <statement> else <statement> end <statement>
18. <statement> → while <expression> do <statement> end <statement>
19. <statement> → return <ret_exp> <statement>
20. <statement> → write (<arg>) <statement>
21. <statement> → ε
22. <ret_exp> → <expression> <expression_list>
23. <ret_exp> → ε
24. <def_value> → ID (<arg>)
25. <def_value> → <builtin>
26. <def_value> → <expression> <expression_list>
27. <id_list> → , ID <id_list>
28. <id_list> → ε
29. <expression_list> → , <expression> <expression_list>
30. <expression_list> → ε
31. <def_var> → = <builtin>
32. <def_var> → = ID (<arg>)
33. <def_var> → = <expression>
34. <def_var> → ε
35. <builtin> → reads (<arg>)
36. <builtin> → readi (<arg>)
37. <builtin> → readn (<arg>)
38. <builtin> → tointeger (<arg>)
39. <builtin> → substr (<arg>)
40. <builtin> → ord (<arg>)
41. <builtin> → chr (<arg>)
42. <arg> → <value> <arg_n>
43. <arg> → ε
44. <arg_n> → , <value> <arg_n>
45. <arg_n> → ε
46. <value> → INTEGER
47. <value> → NUMBER
48. <value> → STRING
49. <value> → ID
50. <value> → nil
51. <type> → integer
52. <type> → number
53. <type> → string
54. <type> → nil