1.  <start> -> require "ifj21"<program>

2.  <program> -> <fnc_dec> <program>
3.  <program> -> <fnc_call> <program>
4.  <program> -> <fnc_def> <program>
5.  <program> -> ε

6.  <fnc_dec> -> global <id_fnc> : function(<params_dec>) <return_type>
7.  <id_fnc> -> identifikátor_funkce
8.  <params_dec> -> <data_type>,<params_dec>
9.  <params_dec> -> <data_type>
10. <params_dec> -> ε
11. <return_type> -> : <data_type>
12. <return_type> -> ε
13. <data_type> -> integer
14. <data_type> -> number
15. <data_type> -> string

16. <fnc_call> -> <id_fnc> (<value>)
17. <value> -> <value_last>, <value>
18. <value> -> <value_last>
19. <value> -> ε
20. <value_last> -> <id_var>
21. <value_last> -> integer_value
22. <value_last> -> number_value
23. <value_last> -> string_value
24. <id_var> -> identifikátor_proměnné

25. <fnc_def> -> <fnc_head> <fnc_def_void> end
26. <fnc_def> -> <fnc_head> <fnc_def_ret> end
27. <fnc_head> -> function <id_fnc>(<params_def>)
28. <fnc_def_void> -> <fnc_body> <return_void>
29. <fnc_def_ret> -> : <data_type><fnc_body><return>
30. <params_def> -> <id_var> : <data_type>, <params_def>
31. <params_def> -> <id_var> : <data_type>
32. <params_def> -> ε

33. <return> -> return <expr>
34. <return> -> return <value_last>

35. <return_void> -> return
36. <return_void> -> ε

37. <fnc_body> -> <if><fnc_body>
38. <fnc_body> -> <loop><fnc_body>
39. <fnc_body> -> <statements><fnc_body>
40. <fnc_body> -> ε

41. <statements> -> <var_dec><statements>
42. <statements> -> <var_assign><statements>
43. <statements> -> <fnc_call><statements>
44. <statements> -> ε

45. <var_dec> -> local <id_var> : <data_type><var_dec_init>
46. <var_dec_init> -> = <expr>
47. <var_dec_init> -> = <value_last>
48. <var_dec_init> -> = <fnc_call>
49. <var_dec_init> -> ε

50. <var_assign> -> <id_var> = <expr>
51. <var_assign> -> <id_var> = <value_last>
52. <var_assign> -> <id_var> = <fnc_call>

53. <if> -> if <expr> then <statements> else <statements> end

54. <loop> -> while <expr> do <statements> end

POZN.: Slova a znaky psaná černě jsou neterminály.

POZN.2: Znak mezery v pravidlech je irelevantní a nic neznačí, slouží pouze k přehlednění