```
1. <start> -> require "ifj21"<program>
3. cprogram> -> <fnc call> cprogram>
5. cprogram> -> \epsilon
6. <fnc_dec> -> global id_fnc : function(<params_dec>) <return_type>
7. params dec> -> \epsilon
8. <params_dec> -> <data_type> <params_dec2>
9. <params dec2> -> \epsilon
10. <params_dec2> -> ,<data_type><params_dec2>
11. <return type> -> : <data type>
12. < return type> -> \epsilon
13. <data type> -> integer
14. <data_type> -> number
15. <data_type> -> string
16. <fnc_call> -> id_fnc (<value>)
17. <value> -> ε
18. <value> -> <value_last> <value2>
19. <value2> -> ,<value_last> <value2>
20. <value2> -> ε
21. <value last> -> id var
22. <value last> -> integer value
23. <value_last> -> number_value
24. <value_last> -> string_value
25. <fnc_def> -> <fnc_head> <fnc_def2> end
26. <fnc head> -> function id fnc (<params def>)
27. <fnc_def2> -> <fnc_body> <return_void>
28. <fnc_def2> -> : <data_type><fnc_body><return>
29. <params_def> -> \epsilon
30. <params_def> -> <var_def> <params_def2>
31. <params_def2> -> \epsilon
32. <params_def2> -> ,<var_def> <params_def2>
33. <var_def> -> id_var : <data_type>
```

```
34. <return> -> return <expr>
35. <return_void> -> return
36. < return void > -> \epsilon
37.<fnc_body> -> <if><fnc_body2>
38.<fnc_body> -> <loop><fnc_body2>
39.<fnc body> -> <statement><fnc body2>
40. <fnc body2> -> \epsilon
41. <fnc_body2> -> <fnc_body>
42. <statement> -> <var dec>
43. <statement> -> id var = <var assign>
44. <statement> -> <fnc call>
45. <var dec> -> local <var def> <var dec init>
46. <var_dec_init> -> = <var_dec_init2>
47. <var_dec_init> -> ε
48. <var dec init2> -> <expr>
49. <var_dec_init2> -> <fnc_call>
50. <var_assign> -> <expr>
51.<var assign> -> <fnc call>
52. <if> -> if <expr> then <statements> else <statements> end
53. <loop> -> while <expr> do <statements> end
54. <statements> -> ε
55. <statements> -> <statement> <statement>>
```

POZN.: Slova a znaky psaná černě jsou neterminály.

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