```
    <start> -> require "ifj21"<program>

3. cprogram> -> <fnc call> cprogram>
5. cprogram> -> \epsilon
6. <fnc_dec> -> global <id_fnc> : function(<params_dec>) <return_type>
7. <id_fnc> -> identifikátor funkce
8. <params_dec> -> \epsilon
9. <params_dec> -> <data_type> <params_dec2>
10. <params_dec2> -> ε
11. <params_dec2> -> ,<data_type><params_dec2>
12.<return type> -> : <data type>
13. < return_type > -> \epsilon
14. <data_type> -> integer
15. <data_type> -> number
16. <data_type> -> string
17. <fnc_call> -> <id_fnc> (<value>)
18. <value> -> ε
19. <value> -> <value_last> <value2>
20. <value2> -> ,<value_last> <value2>
21. <value2> -> ε
22. <value_last> -> <id_var>
23. <value_last> -> integer_value
24. <value_last> -> number_value
25. <value_last> -> string_value
26. <id_var> -> identifikátor proměnné
27. <fnc_def> -> <fnc_head> <fnc_def2> end
28. <fnc_head> -> function <id_fnc>(<params_def>)
29. <fnc_def2> -> <fnc_body> <return_void>
30. <fnc_def2> -> : <data_type><fnc_body><return>
31. <params_def> -> \epsilon
32. <params_def> -> <var_def> <params_def2>
33. <params_def2> -> ε
34. <params_def2> -> ,<var_def> <params_def2>
35. <var_def> -> <id_var> : <data_type>
```

```
36. <return> -> return <expr>
37. <return_void> -> return
38. < return void > -> \epsilon
39. <fnc_body> -> <if><fnc_body2>
40.<fnc_body> -> <loop><fnc_body2>
41.<fnc body> -> <statement><fnc body2>
42. <fnc body2> -> \epsilon
43. <fnc_body2> -> <fnc_body>
44. <statement> -> <var dec>
45. <statement> -> <id var> = <var assign>
46. <statement> -> <fnc_call>
47. <var dec> -> local <var def> <var dec init>
48. <var_dec_init> -> = <var_dec_init2>
49. <var_dec_init> -> ε
50. <var dec init2> -> <expr>
51. <var_dec_init2> -> <fnc_call>
52. <var_assign> -> <expr>
53.<var assign> -> <fnc call>
54. <if> -> if <expr> then <statements> else <statements> end
55. <loop> -> while <expr> do <statements> end
56. <statements> -> ε
57. <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