```
1. <start> -> require "ifj21"program>
2. cprogram> -> <fnc_dec> cprogram>
5. cprogram> -> \epsilon
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> -> \epsilon
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> -> \epsilon
```

```
33.<return> -> return <expr>
34. <return> -> return <value_last>
35. < return void> -> return
36. < return void> -> \epsilon
37.<fnc_body> -> <if><fnc_body>
38.<fnc_body> -> <loop><fnc_body>
39. <fnc_body> -> <statements><fnc_body>
40. < fnc_body > -> \epsilon
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> -> \epsilon
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