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> -> ε
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> -> ε
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> -> ε
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> -> ε
39. <fnc\_body> -> <if><fnc\_body2>
40. <fnc\_body> -> <loop><fnc\_body2>
41. <fnc\_body> -> <statement><fnc\_body2>
42. <fnc\_body2> -> ε
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> <statements>

POZN.: Slova a znaky psaná černě jsou neterminály.

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