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