Pravidla IFJ24

1. exp -> <exp> <exp\_remain>
2. exp -> (<exp>)
3. exp -> i32
4. exp -> f64
5. exp -> id
6. exp -> []u8
7. exp -> <call\_function>
8. exp\_remain -> operator <exp>
9. define\_constant -> const id <: type> = <exp> ;
10. define\_variable -> var id <: type> = <exp> ;
11. assign\_variable -> id = <exp> ;
12. assign\_variable -> \_ = <exp> ;
13. : type -> ε
14. : type -> : <type>
15. type -> ? <type>
16. type -> []u8
17. type -> i32
18. type -> f64
19. relation -> <exp> <relation\_remain>
20. relation\_remain -> == <exp>
21. relation\_remain -> < <exp>
22. relation\_remain -> <= <exp>
23. relation\_remain -> >= <exp>
24. relation\_remain -> > <exp>
25. relation\_remain -> != <exp>
26. define\_function -> pub fn id (<params>) <return\_type> { < commands > }
27. return\_type -> void
28. return\_type -> <type>
29. params -> ε
30. params -> id : <type> <params\_remain>
31. params\_remain -> ε
32. params\_remain -> , id : <type> <params\_remain>
33. //sequence -> ε
34. //sequence -> <commands>
35. \_return -> return <return\_value> ;
36. return\_value-> <exp>
37. return\_value -> ε
38. if\_statement -> if ( <if\_remain>
39. if\_remain -> <relation> ) { < commands > } else { < commands > }
40. if\_remain -> ? <exp> ) | id | { < commands > } else { < commands > }
41. while\_statement -> while ( <while\_remain>
42. while\_remain -> <condition> ) { < commands > }
43. while\_remain -> ? <exp> ) | id | { < commands > }
44. condition -> <relation>
45. condition -> <exp>
46. call\_function -> id (<exp\_list>)
47. exp\_list -> ε
48. exp\_list -> <call\_function\_exp> <exp\_list\_remain>
49. call\_function\_exp -> <exp>
50. call\_function\_exp-> ε
51. exp\_list\_remain -> ε
52. exp\_list\_remain -> , < call\_function\_exp > <exp\_list\_remain>
53. commands -> <command> <commands>
54. commands -> ε
55. command -> <define\_const>
56. command -> <define\_var>
57. command -> <assign\_variable>
58. command -> <if\_statement >
59. command -> <while\_statement >
60. command -> <\_return>