Pravidlá: link na zadanie

/* Hlavné časti programu */

1. <prog> -> <prolog><func_def_list>
2. <prolog> -> package main
3. <stat> -> }
4. <stat> -> return <exps><stat>

/* Definícia funkcie */

5. <func_def_list> -> <func_def><func_def_list>
6. <func_def_list> -> EOF
7. <func_def> -> func [id] (<param_list> <return_types> <stat>

/* Parametre pri definícii funkcie */

8. <param_list> ->)
9. <param_list> -> [id] <type><param_list_n>
10. <param_list_n> ->)
11. <param_list_n> -> , [id] <type><param_list_n>

/* Návratové typy pri definícii funkcie */

12. <return_types> -> {
13. <return_types> -> (<type> <return_types_n> {
14. <return_types_n> ->)
15. <return_types_n> -> , <type> <return_types_n>

/* Argumenty pri volaní funkcie */

16. <func_args> ->)
17. <func_args> -> <term><func_args_n>
18. <func_args_n> ->)
19. <func_args_n> -> , <term><func_args_n>

/* Kľúčové slová primitívnych typov */

20. <type> -> int
21. <type> -> float64
22. <type> -> string

/* Termy */

23. <term> -> [id]
24. <term> -> [int literal]
25. <term> -> [float literal]
26. <term> -> [string literal]

/* If else vetvenie */

27. <stat> -> <if_else><stat>
28. <if_else> -> if <exp> { <stat> else { <stat>

/* For cyklus */

29. <stat> -> for <for_def> <for_exp> <for_assign> <stat> <stat>
30. <for_def> -> ;
31. <for_def> -> [id] <for_def_var>
32. <for_def_var> -> , [id] <for_def_var>
33. <for_def_var> -> := <exp><for_def_exp_n>
34. <for_def_exp_n> -> ;
35. <for_def_exp_n> -> , <exp><for_def_exp_n>
36. <for_exp> -> <exp>;
37. <for_assign> -> {
38. <for_assign> -> [id] <for_assign_var>
39. <for_assign_var> -> , [id] <for_assign_var>
40. <for_assign_var> -> = <exp><for_assign_exp_n>
41. <for_assign_exp_n> -> {
42. <for_assign_exp_n> -> , <exp><for_assign_exp_n>

/* Priradenie a definícia premenných */

43. <stat> -> [id] <var> <stat>
44. <var> -> = <exps>
45. <var> -> := <exps>
46. <var> -> , [id] <var>
47. <var> -> (<func_args>
48. <exps> -> [id] (<func_args>
49. <exps> -> <exp><exps_n>
50. <exps_n> -> , <exp><exps_n>
51. <exps_n> -> \n
52. <exp> -> [expression analyzer]