

| | require | global | id_fce | function | return | end | (|) | integer | number | string | id_var | , | : | int_value | num_value | str_value | local | = | # | if | else | while | \$ |
|----------------|---------|--------|--------|----------|--------|-----|-----|-----|---------|--------|--------|--------|-----|-----|-----------|-----------|-----------|-------|-----|-----|-----|------|-------|-----|
| <start> | 1. | | | | | | | | | | | | | | | | | | | | | | | |
| <program> | | 2. | 3. | 4. | | | | | | | | | | | | | | | | | | | | 5. |
| <fnc_dec> | | 6. | | | | | | | | | | | | | | | | | | | | | | |
| <params_dec> | | | | | | | | 7. | 8. | 8. | 8. | | | | | | | | | | | | | |
| <params_dec2> | | | | | | | | 9. | | | | | 10. | | | | | | | | | | | |
| <return_type> | | 12. | 12. | 12. | | | | | | | | | | 11. | | | | | | | | | | 13. |
| <data_type> | | | | | | | | | 13. | 14. | 15. | | | | | | | | | | | | | |
| <fnc_call> | | | 16. | | | | | | | | | | | | | | | | | | | | | |
| <value> | | | | | | | | 17. | | | | 18. | | | 18. | 18. | 18. | | | | | | | |
| <value2> | | | | | | | | 20. | | | | | 19. | | | | | | | | | | | |
| <value_last> | | | | | | | | | | | | 21. | | | 22. | 23. | 24. | | | | | | | |
| <fnc_def> | | | | 25. | | | | | | | | | | | | | | | | | | | | |
| <fnc_head> | | | | 26. | | | | | | | | | | | | | | | | | | | | |
| <fnc_def2> | | | 27. | | 27. | 27. | | | | | | 27. | | 28. | | | | 27. | | | 27. | | 27. | |
| <params_def> | | | | | | | | 29. | | | | 30. | | | | | | | | | | | | |
| <params_def2> | | | | | | | | 31. | | | | | 32. | | | | | | | | | | | |
| <var_def> | | | | | | | | | | | | 33. | | | | | | | | | | | | |
| <return> | | | | | 34. | | | | | | | | | | | | | | | | | | | |
| <return_void> | | | | | 35. | 36. | | | | | | | | | | | | | | | | | | |
| <fnc_body> | | | 39. | | 40. | 40. | | | | | | 39. | | | | | | 39. | | | 37. | | 38. | |
| <statement> | | | 43. | | | | | | | | | 42. | | | | | | 41. | | | | | | |
| <var_dec> | | | | | | | | | | | | | | | | | | 44. | | | | | | |
| <var_dec_init> | | | 46. | | 46. | 46. | | | | | | 46. | | | | | | 46. | 45. | | 46. | | 46. | |
| <var_assign> | | | 48. | | | | 47. | | | | | 47. | | | 47. | 47. | 47. | | | 47. | | | | |
| <if> | | | | | | | | | | | | | | | | | | | | | 49. | | | |
| <loop> | | | | | | | | | | | | | | | | | | | | | | | 50. | |
| <statements> | | | 52. | | | 52. | | | | | | 52. | | | | | | 52. | | | | 51. | | |