Направляющие символы и схема грамматики

№ п/п	Продукция	Направляющие символы (DS)	Схема грамматики
1	S = "prog" "id" {A1} ";" Block "eof"	prog	1 = 2 3 4 5 6 7
2	Block = "var" LstVar "start" LstStmt "stop"	var	8 = 9 10 11 12 13
3	LstVar = DeclVar ";" A	id	14 = 15 16 17
4	A =	start	18 = 20
5	A = DeclVar ";" A	id	19 = 21 22 23
6	DeclVar = "id" {A2} LstId {A3}	id	24 = 25 26 27 28
7	LstId = "," "id" {A2} LstId {A4}	,	29 = 31 32 33 34 35
8	LstId = ":" TypeSpec {A5}	:	30 = 36 37 38
9	TypeSpec = "integer"	integer	39 = 44
10	TypeSpec = "real"	real	40 = 45
11	TypeSpec = "string"	string	41 = 46
12	TypeSpec = "bool"	bool	42 = 47
13	TypeSpec = "array" "[" "num_int" "]" "of" TypeSpec	array	43 = 48 49 50 51 52 53
14	LstStmt = Stmt ";" B	id, repeat	54 = 55 56 57
15	B =	stop, until	58 = 60
16	B = Stmt ";" B	id, repeat	59 = 61 62 63
17	Stmt = "id" {A6} AssignmentTarget "ass" Expr {A7}	id	64 = 66 67 68 69 70 71
18	Stmt = "repeat" LstStmt "until" LogicalExpr	repeat	65 = 72 73 74 75
19	AssignmentTarget =	ass	76 = 78
20	AssignmentTarget = "[" Expr "]"	[	77 = 79 80 81
21	Expr = SimpleExpr X	id, num_int, num_real, (, string_literal, bool_literal	82 = 83 84
22	X =	;, ,,],)	85 = 87
23	X = "||" {A8} SimpleExpr {A9} X	||	86 = 88 89 90 91 92
24	SimpleExpr = Term Y	id, num_int, num_real, (, string_literal, bool_literal	93 = 94 95
25	Y =	;, ,,], ||,)	96 = 99
26	Y = "+"	+	97 = 100
27	Y = "-" {A10} Term {A11} Y	-	98 = 101 102 103 104 105
28	Term = Factor Z	id, num_int, num_real, (, string_literal, bool_literal	106 = 107 108
29	Z = "*"	*	109 = 111
30	Z = "/" {A12} Factor {A13} Z	/	110 = 112 113 114 115 116
31	Factor = "num_real" {A14}	num_real	117 = 123 124
32	Factor = "num_int" {A15}	num_int	118 = 125 126
33	Factor = "id" {A16} FactorTail	id	119 = 127 128 129
34	Factor = "(" LogicalExpr ")"	(	120 = 130 131 132
35	Factor = "string_literal" {A17}	string_literal	121 = 133 134
36	Factor = "bool_literal" {A18}	bool_literal	122 = 135 136
37	FactorTail =	;, *, /,), >, >=	137 = 140
38	FactorTail = "[" Expr "]"	[	138 = 141 142 143
39	FactorTail = "(" Args ")"	(	139 = 144 145 146
40	Args = Expr ArgsTail	id, num_int, num_real, (, string_literal, bool_literal	147 = 149 150
41	Args =	)	148 = 151
42	ArgsTail =	)	152 = 154
43	ArgsTail = "," Expr ArgsTail	,	153 = 155 156 157
44	LogicalExpr = SimpleLogicalExpr L	id, num_int, num_real, (, string_literal, bool_literal	158 = 159 160
45	L =	;,)	161 = 163

№ п/п	Продукция	Направляющие символы (DS)	Схема грамматики
46	L = RelOp SimpleLogicalExpr L	>, >=	162 = 164 165 166
47	RelOp = ">" {A19}	>	167 = 169 170
48	RelOp = ">=" {A20}	>=	168 = 171 172
49	SimpleLogicalExpr = Factor	id, num_int, num_real, (, string_literal, bool_literal	173 = 174

LL(1)-грамматика