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| **Направляющие символы и схема грамматики** | | | |
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| № п/п | Продукция | Направляющие символы (DS) | Схема грамматики |
| 1 | S = "scheme" "id" {A1} ";" Block "endsch" | scheme | 1 = 2 3 4 5 6 7 |
| 2 | Block = LstDecl "start" G {A2} | id, const, functional | 8 = 9 10 11 12 |
| 3 | LstDecl = Decl A | id, const, functional | 13 = 14 15 |
| 4 | A = | start | 16 = 18 |
| 5 | A = LstDecl | id, const, functional | 17 = 19 |
| 6 | Decl = "id" {A3} LstId ";" | id | 20 = 23 24 25 26 |
| 7 | Decl = "const" "id" {A4} LstId ";" | const | 21 = 27 28 29 30 31 |
| 8 | Decl = "functional" "id" {A5} LstId ";" | functional | 22 = 32 33 34 35 36 |
| 9 | LstId = "id" {A6} B | id | 37 = 38 39 40 |
| 10 | B = | ; | 41 = 43 |
| 11 | B = "," LstId | , | 42 = 44 45 |
| 12 | G = StmtNoLbl ";" H | id, if | 46 = 48 49 50 |
| 13 | G = "lbl" {A7} ":" StmtNoLbl ";" H | lbl | 47 = 51 52 53 54 55 56 |
| 14 | H = K | id, stop, if | 57 = 59 |
| 15 | H = "lbl" {A7} ":" K | lbl | 58 = 60 61 62 63 |
| 16 | K = "stop" {A18} | stop | 64 = 66 67 |
| 17 | K = StmtNoLbl ";" H | id, if | 65 = 68 69 70 |
| 18 | StmtNoLbl = AssStmt | id | 71 = 73 |
| 19 | StmtNoLbl = TestStmt | if | 72 = 74 |
| 20 | AssStmt = "id" {A8} "ass " Term D | id | 75 = 76 77 78 79 80 |
| 21 | D = {A9} | ; | 81 = 83 |
| 22 | D = "goto" "lbl" {A10} | goto | 82 = 84 85 86 |
| 23 | Term = "id" E | id | 87 = 88 89 |
| 24 | E = {A11} | ;, ,, goto, ), then | 90 = 92 |
| 25 | E = {A12} "(" Term F | ( | 91 = 93 94 95 96 |
| 26 | F = ")" {A13} | ) | 97 = 99 100 |
| 27 | F = "," Term ")" {A14} | , | 98 = 101 102 103 104 |
| 28 | TestStmt = "if" Term {A15} "then" "lbl" {A16} "else" "lbl" {A17} | if | 105 = 106 107 108 109 110 111 112 113 114 |
| LL(1)-грамматика | | | |