Modified grammar

# (after elimination of left recursion and common left prefixes in the original grammar).

PROGRAM 🡪 **start\_prog** DEFINITIONS **start\_com** COMMANDS **end\_prog**

DEFINITIONS 🡪 DEFINITION | DEFINITION; DEFINITIONS

DEFINITION 🡪 TYPE ID\_LIST | TYPE **const** id **:**= number | id : **exception**

TYPE 🡪 **integer** | **real**

ID\_LIST 🡪 id | ID\_LIST , id

COMMANDS 🡪 COMMAND | COMMAND; COMMANDS

COMMAND 🡪 id := EXPRESSION |

**if** CONDITION **then** COMMANDS **else** COMMANDS **end\_if** |

**loop** COMMANDS **while** CONDITION **end\_loop** |

**embed** DEFINITIONS **start\_com** COMMANDS **end\_embed** **|**

**raise** id

EXPRESSION 🡪 EXPRESSION ar\_op EXPRESSION |

number | id | (EXPRESSION)

CONDITION 🡪 EXPRESSION rel\_op EXPRESSION