

Start → *program* {**DescrS**} **OperS** .
DescrS → *var* **Descr** { ; **Descr** }
Descr → **Ident** { , **Ident** } : [*integer* | *boolean* | *string*]

OperS → *begin* **Oper** { ; **Oper** } *end*
Oper → **Ident** := **Expr** | *if* **Expr** *then* **Oper** { *else* **Oper** } | *while* **Expr** *do*
OperS | **OperS** | *read*(**Ident**) | *write*(**Expr**) | *writeln*(**Expr**)

Expr → **AExpr** | **AExpr** [= | < | > | <= | >= | <>] **AExpr**
AExpr → **MExpr** { [+ | - | *or*] **MExpr** }
MExpr → **TExpr** { [* | / | *and*] **TExpr** }
TExpr → **Ident** | **IConst** | **LConst** | **SConst** | (**Expr**) | -. **TExpr** | *not* **TExpr**

IConst → **INZConst** | **IZConst**
INZConst → { **Sign** } **DigitNZ** | **INZConst** **Digit**
IZConst → **Zero**
SConst → ‘{**Symbol**}’
LConst → *true* | *false*

Ident → **Char** | **Ident** **Char** | **Ident** **Digit**
Symbol → **Char** | **Digit** | **OtherSymbol**
Char → a | b ... z | A | B ... Z
Digit → **DigitNZ** | **DigitZ**
DigitNZ → 1 | 2 ... 9
DigitZ → 0
Sign → -
OtherSymbol → : | ; | , | (|) | . | [|] | ‘ | ’ | ‘\t’ | ‘\n’ | < | > | = | + | - | * | / | ! | ? | & |
@ | # | ‘ | ’