

Alphabet:

1. Upper (A-Z) and lower case letters (a-z)
2. Decimals: 0-9

Lexic:

- assignment operator : <-
- arithmetic operators: +, -, \*, /, mod
- relational operators: =, <, >, <=, >=, <>
- logical operators: and, or, not
- separators: , ; ( ) [ ]
- reserved words: in, out, begin, number, string, character, if, end, for, end\_if, end\_for, while, end\_while, else
- identifiers: a sequence of letters and digits, such that the first character is a letter

```

identifier = letter{letter|digit}
letter = "A"|"B"|...|"Z"|"a"|"b"|...|"z"
digit = "0"|"1"|...|"9"

```

- constants:
  1. integer:

```
nzdigit = "1"|"2"|...|"9".
digit = "0"|nzdigit.
nzintconst = ["+"|"-" ]nzDigit{digit}
intconst = "0"|nzintconst.
```
  2. character:

```
character = ""char""
char = letter|digit
```
  3. string:

```
stringconst = ""{char}""
```

[illegible]begin  
end[illegible]

+  
-  
\*  
/

mod

in  
out  
and  
or  
not

$$\begin{array}{c} > \\ < \\ = \\ \diamond \\ >= \\ <= \end{array}$$

,

