```
>>>>> Lexic.txt <<<<<
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}"""
>>>>> Token.in <<<<<<
begin
end
<-
mod
in
out
and
or
not
<
<>
<=
```

```
number
string
character
if
else
end if
for
end for
while
end while
>>>>>> syntax.in <<<<<<
Predefined tokens are specified between ' and '.
ex: 'and'
List of sintactical rules:
<simpletype> ::= `number`|`character`|`string`.
<arraydeclaration> ::= <simpletype> `[` <nzintconst> `]`.
<type> = <simpletype>|<arraydeclaration>.
<declaration> ::= <type> <identifier> `;`.
<assignmentstmt> ::= <identifier> `<-` <expression> `;`.
<expression> ::= <expression> `+` <term> | <expression> `-` <term> | <term>.
<term> ::= <term> `*` <factor> | <term> '/' <factor> | <factor>.
<factor> ::= `(` <expression> `)` | <identifier> | <constant>.
<constant> ::= <intconst>|<stringconst>.
<iostmt> ::= `in` <identifier> `;` | `out` <identifier> `;` | `out` <constant> `;`.
<condition> ::= '('<expression><relation><expression>')' | 'not' '(' <expression> ')'.
<relation> ::= `=`|`<>`|`>=`|`<=`|`and`|`or`.
<ifstmt> ::= `if` <condition> `:` <statementlist> [`else` <statementlist>] `end_if`.
<whilestmt> ::= `while` <condition> `:` <statementlist> `end_while`.
<forstmt> ::= 'for' <assignmentstmt> ',' <identifier> ',' <constant> ':' <statementlist> 'end for'.
<simplestatement> ::= <declaration>|<iostmt>|<assignmentstmt>.
<statement> ::= <simplestatement>|<ifstmt>|<whilestmt>|<forstmt>.
<statementlist> ::= <statement>|<statement><statementlist>.
```