Bix EBNF Definition

Notation:

- Square brackets [] delimit optional constructs;
- braces { } indicate zero or more repetitions of the enclosed construct;
- parentheses () indicate simple grouping of constructs;
- a vertical bar | indicates choice of one from many;
- literal text in definitions is denoted using bold font or a pair of quotation marks " " .

Functions

```
main-function-definition:
```

```
fn Principal()
```

function-definition:

fn alphanumeric-text([variable]) { statement }.

Variables

variable =

var alphanumeric-text.

Conditionals

```
conditional-statement =
    if-statement [{or-if-statement}] [or-else-statement].
```

Loops

```
loop-statement = repeat-statement.
```

Statements

read-statement = Ler()

```
Variable and Identifier Categories
alphanumeric-text =
       letter | digit [{letter | digit}].
number =
```

Low Level Definitions

{digit}.

```
any-sign =
       sign | operation-sign | attribution-sign | comparison-sign.
sign =
       "+" | "-".
operation-sign =
       sign | "*" | "%".
attribution-sign =
```

"="_.

letter = "A" | "B" | "C" | "D" | "E" | "F" | "G" | "H" | "I" | "J" | "K" | "L" | "M" | "N" | "O" | "P" | "Q" | "R" | "S" | "T" | "U" | "V" | "W" | "X" | "Y" | "Z" | "a" | "b" | "c" | "d" | "e" | "f" | "g" | "h" | "i" | "j" | "k" | "l" | "m" | "n" | "o" | "p" | "q" | "r" | "s" | "t" | "u" | "v" | "w" | "x" | "y" | "z" . digit = "0" | "1" | "2" | "3" | "4" | "5" | "6" | "7" | "8" | "9" .