The Language XLE$_M ORPHOLOGYTEXT$

BNF-converter

October 25, 2016

This document was automatically generated by the *BNF-Converter*. It was generated together with the lexer, the parser, and the abstract syntax module, which guarantees that the document matches with the implementation of the language (provided no hand-hacking has taken place).

The lexical structure of XLE$_M ORPHOLOGYTEXT$

Literals

Identifier literals are recognized by the regular expression ($\langle letter \rangle$ | $\langle digit \rangle$ | '$-$' | '_')($\langle letter \rangle$ | $\langle digit \rangle$ | '$-$' | '_')$*$

Reserved words and symbols

The set of reserved words is the set of terminals appearing in the grammar. Those reserved words that consist of non-letter characters are called symbols, and they are treated in a different way from those that are similar to identifiers. The lexer follows rules familiar from languages like Haskell, C, and Java, including longest match and spacing conventions.

The reserved words used in XLE$_M ORPHOLOGYTEXT are the following$:

There are no reserved words in XLE$_M ORPHOLOGYTEXT$.

The symbols used in XLE$_M ORPHOLOGYTEXT are the following$:

: / +
−

Comments

Single-line comments begin with `//`.
Multiple-line comments are enclosed with `/*` and `*/`.

The syntactic structure of $\mathbf{XLE}_{MORPHOLOGYTEXT}$

Non-terminals are enclosed between ⟨ and ⟩. The symbols ::= (production), | (union) and ϵ (empty rule) belong to the BNF notation. All other symbols are terminals.

⟨*MORPHO*⟩ ::= ⟨*ListRULE*⟩

⟨*RULE*⟩ ::= ⟨*LHS*⟩ : ⟨*RHS*⟩

⟨*ListRULE*⟩ ::= ϵ
| ⟨*RULE*⟩ ⟨*ListRULE*⟩

⟨*LHS*⟩ ::= ⟨*ListLWORD*⟩

⟨*LWORD*⟩ ::= ⟨*Identifier*⟩

⟨*ListLWORD*⟩ ::= ϵ
| ⟨*LWORD*⟩ ⟨*ListLWORD*⟩

⟨*RHS*⟩ ::= ⟨*ListRWORD*⟩

⟨*RWORD*⟩ ::= / ⟨*Identifier*⟩ /
| + ⟨*Identifier*⟩
| − ⟨*Identifier*⟩

⟨*ListRWORD*⟩ ::= ϵ
| ⟨*RWORD*⟩ ⟨*ListRWORD*⟩