

Package: xegaBNF (via r-universe)

September 3, 2024

Title Compile a Backus-Naur Form Specification into an R Grammar Object

Version 1.0.0.0

Description Translates a BNF (Backus-Naur Form) specification of a context-free language into an R grammar object which consists of the start symbol, the symbol table, the production table, and a short production table. The short production table is non-recursive. The grammar object contains the file name from which it was generated (without a path). In addition, it provides functions to determine the type of a symbol (`isTerminal()` and `isNonterminal()`) and functions to access the production table (`rules()` and `derives()`). For the BNF specification, see Backus, John et al. (1962) ``Revised Report on the Algorithmic Language ALGOL 60''. (ALGOL60 standards page <<http://www.algol60.org/2standards.htm>>, html-edition <<https://www.masswerk.at/algol60/report.htm>>) The grammar compiler is based on the APL2 implementation in Geyer-Schulz, Andreas (1997, ISBN:978-3-7908-0830-X).

License MIT + file LICENSE

URL <<https://github.com/ageyerschulz/xegaBNF>>

Encoding UTF-8

LazyData true

RoxygenNote 7.2.3

Suggests testthat (>= 3.0.0)

Repository <https://ageyerschulz.r-universe.dev>

RemoteUrl <https://github.com/ageyerschulz/xegabnf>

RemoteRef HEAD

RemoteSha b67b7af5cddd33fd58c4fdb0ffdb06810264ef2