Examples for Ebnf2ps – Automatic Railroad Diagram Drawing

Peter Thiemann, Michael Walter
Wilhelm-Schickard-Institut, Universität Tübingen
Sand 13, 72076 Tübingen
E-mail: {thiemann,walterm}@informatik.uni-tuebingen.de

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Contents

1 gofer.BNF

This section gives a summary of the grammar for the language used by Gofer. Gofer's BNF is originally taken from Mark Jones's Gofer distribution. The diagrams have been produced with:

```
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          -tBg RoyalBlue
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using ebnfInput
produce layout and output
>
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interp

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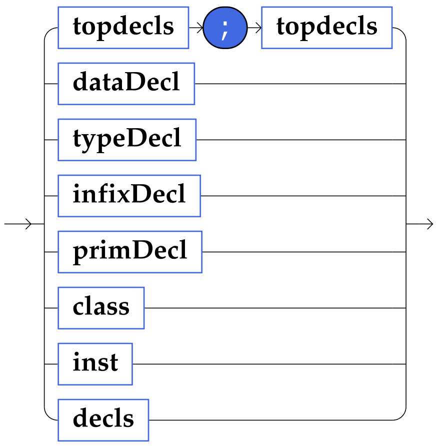

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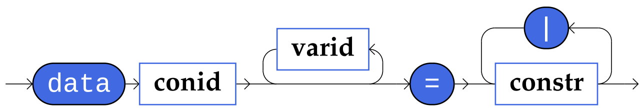

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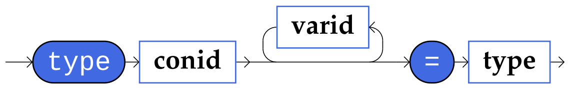

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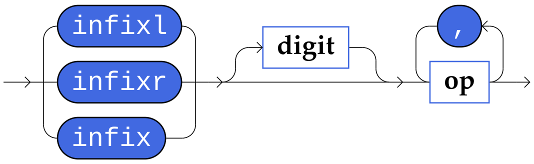

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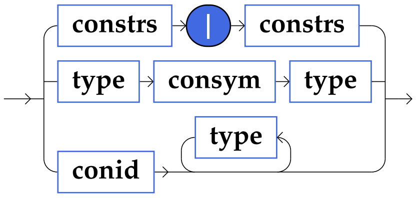

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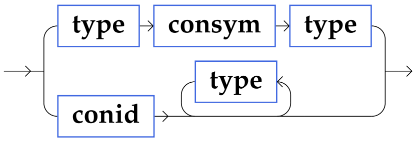

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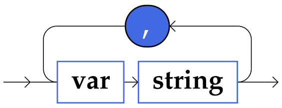

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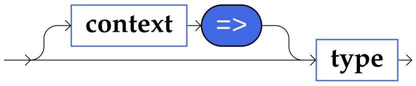

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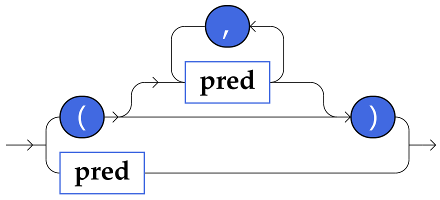

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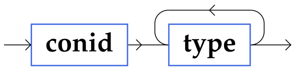

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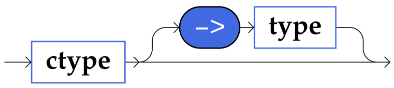

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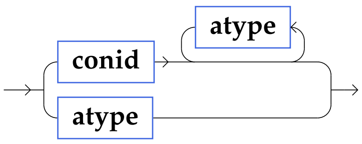

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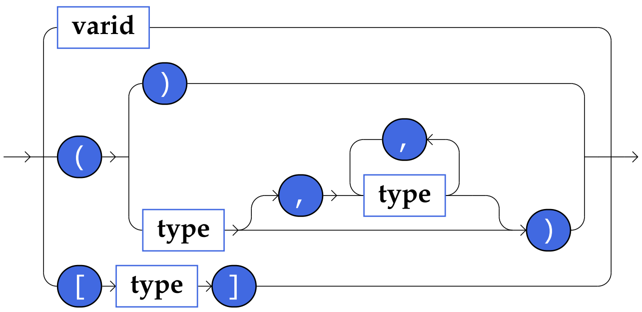

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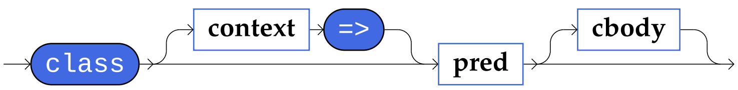

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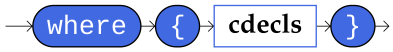

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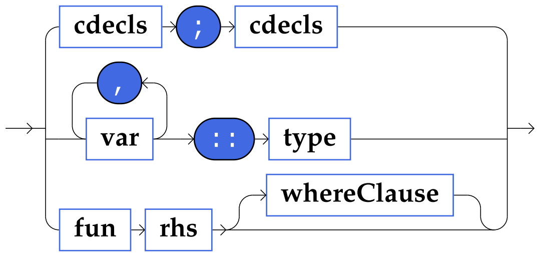

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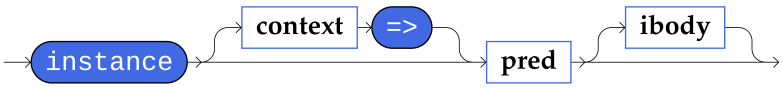

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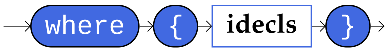

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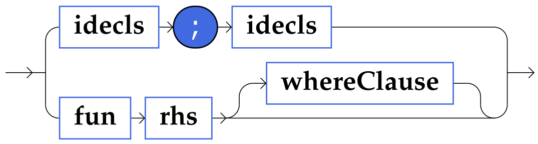

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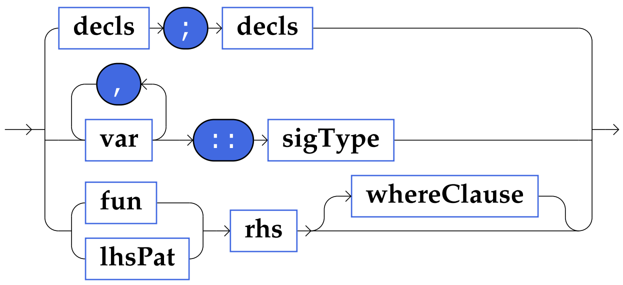

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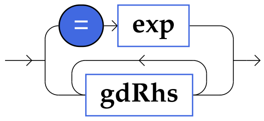

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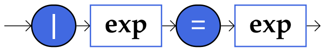

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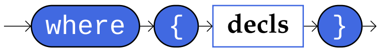

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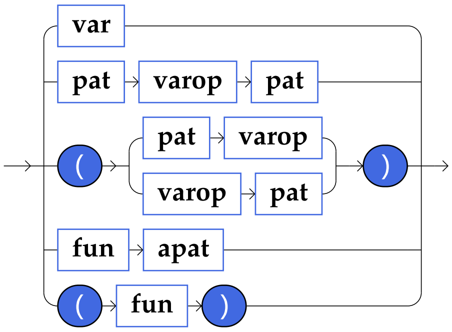

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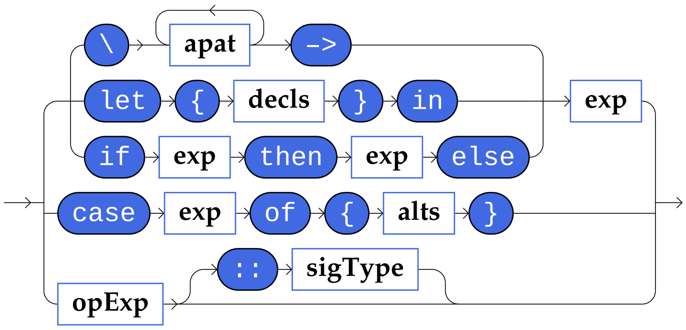

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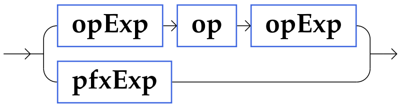

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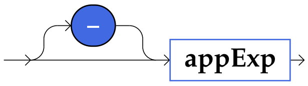

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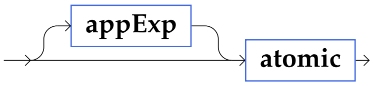

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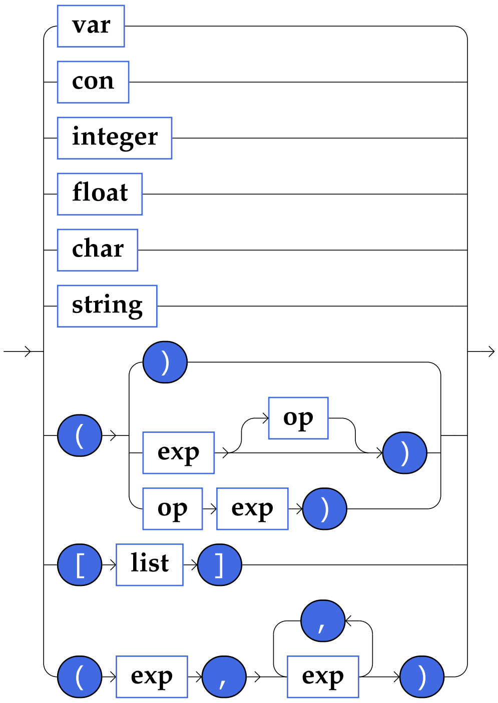

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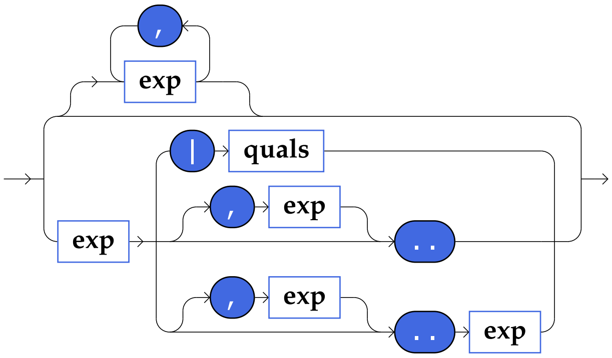

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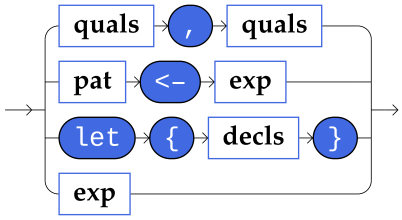

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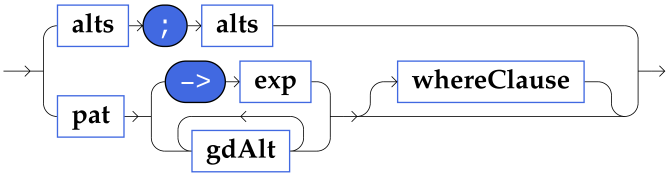

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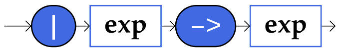

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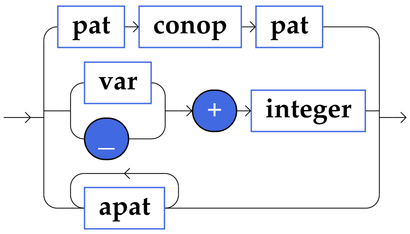

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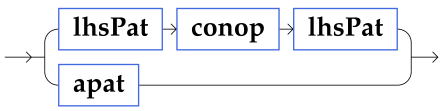

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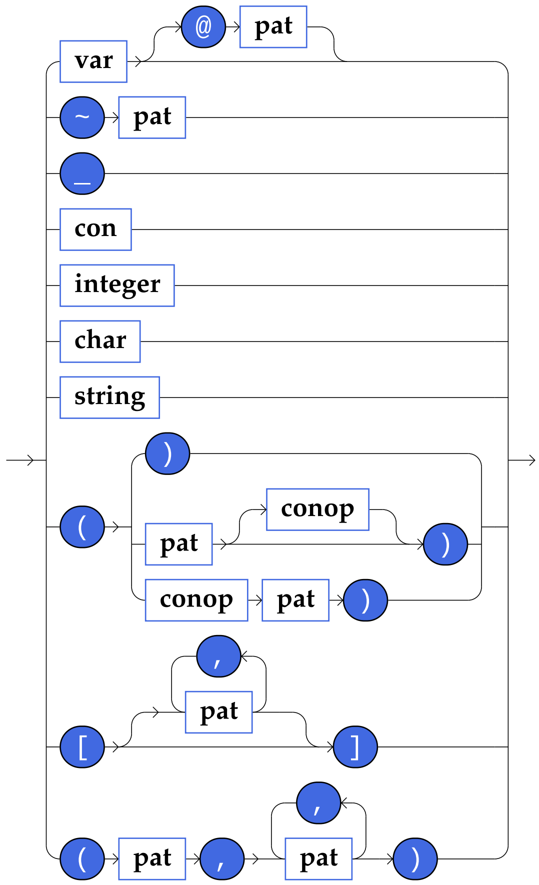

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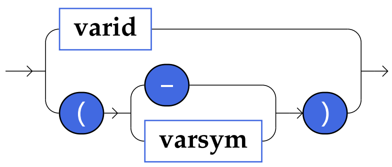

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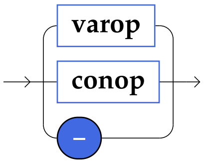

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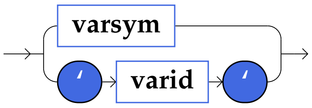

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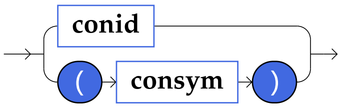

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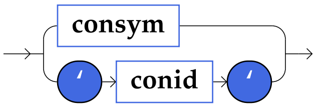

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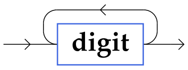

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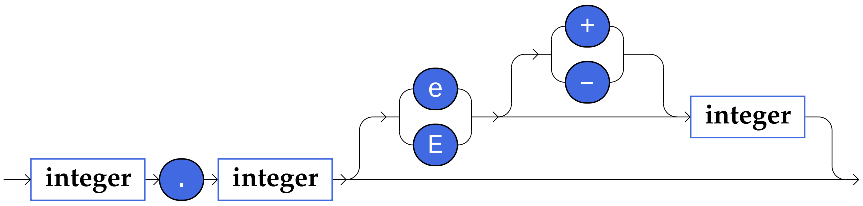

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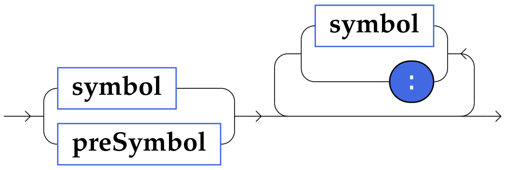

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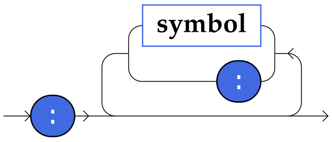

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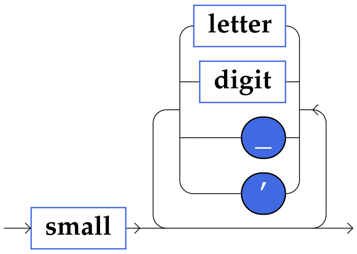

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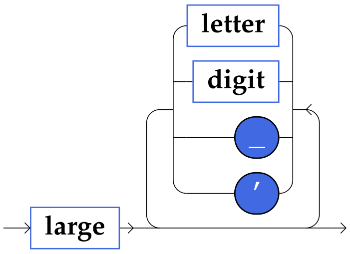

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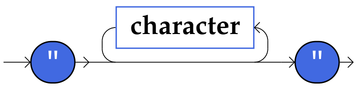

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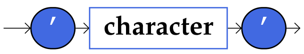

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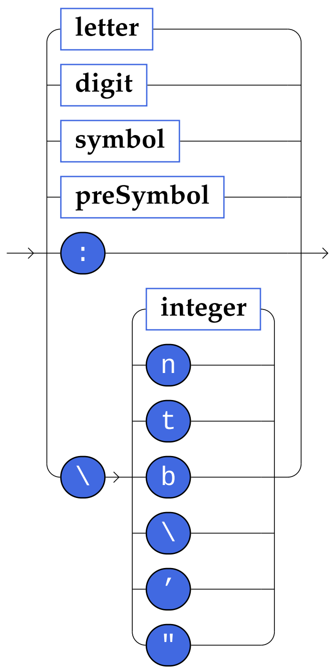

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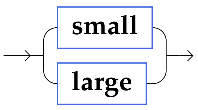

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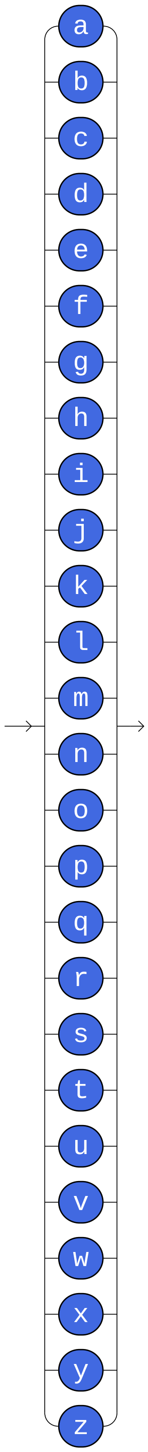

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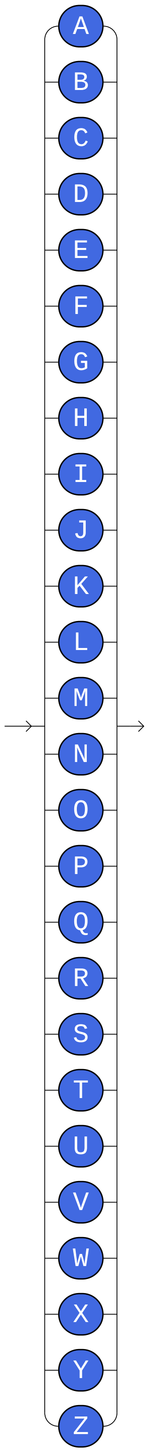

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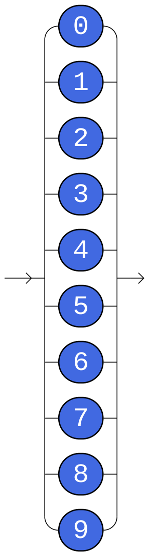

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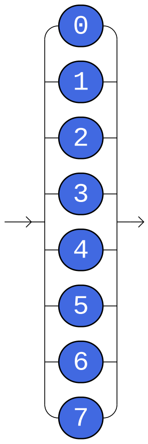

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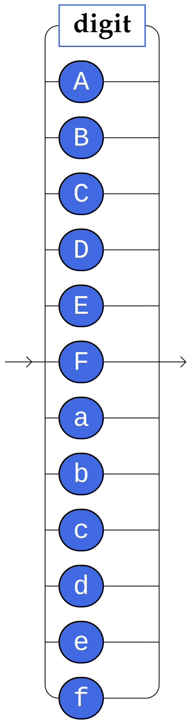

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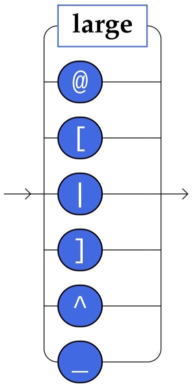

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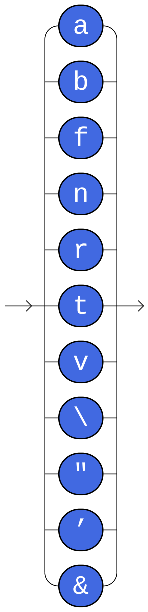

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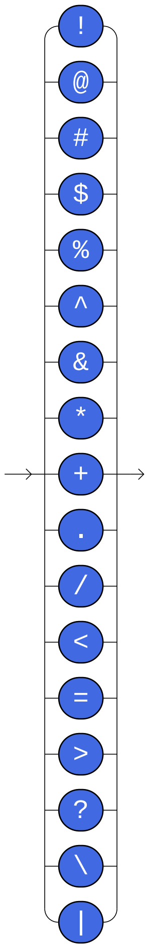

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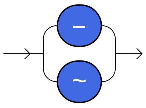

2 Ebnf2psParser.ly

`Ebnf2psParser.ly` is the Happy parser for Ebnf2ps. The diagrams have been produced with

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          -tFont Courier
          -borderDistX 650
          +simplify
          +ebnf
          -happy
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        ntBg             (255,255,255)
        tBg              (255,255,255)
        titleColor       (0,0,0)
from rgbPathDefault: ["/usr/lib/X11", "/usr/local/X11R5/lib/X11"]
generating nonterminals: [".*"]
from Ebnf2psParser.ly
using input path ["/home/walterm/tests/"]
using happyInput
empty productions
produce EBNF file for happyInput
        Ebnf2psParser.ly.BNF
produce layout and output
>
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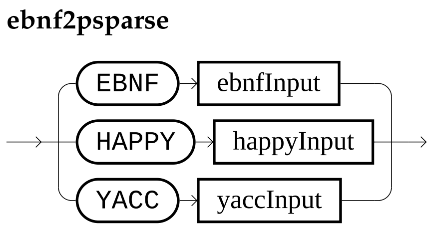

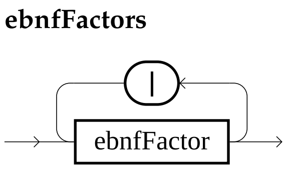

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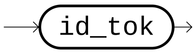

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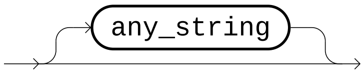

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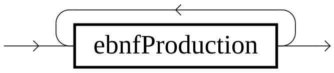

ebnfProduction

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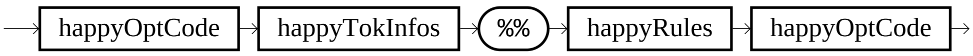
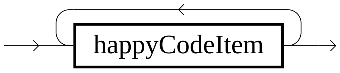


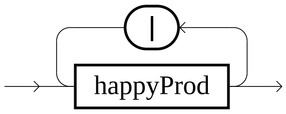
happyCode

happyCodeBody

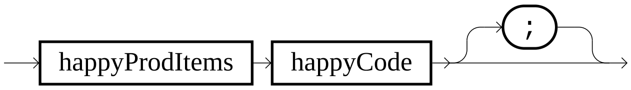


happyOptCode

happyProds

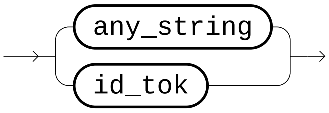


happyProd



happyProdItems

happyProdItem



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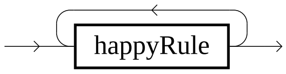

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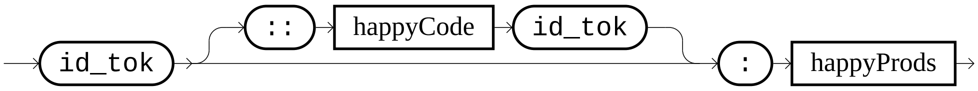

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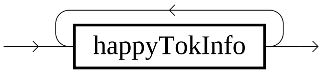

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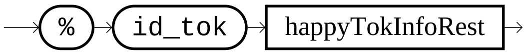

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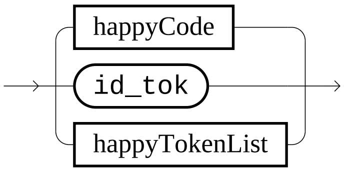

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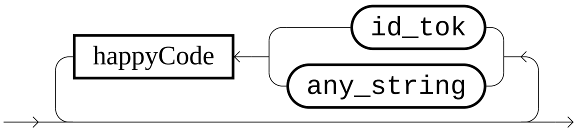
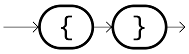


yaccInput

yaccAction



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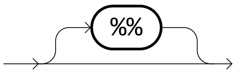

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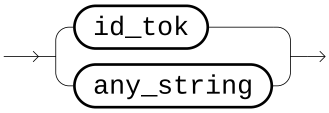

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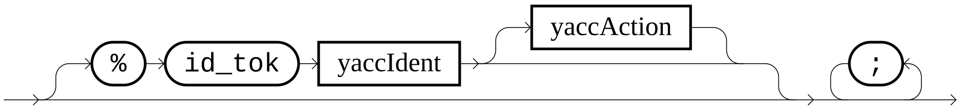
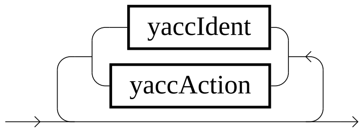
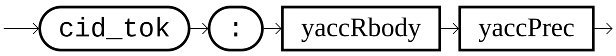


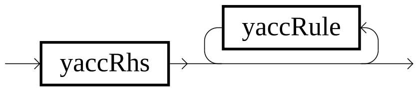
yaccRbody



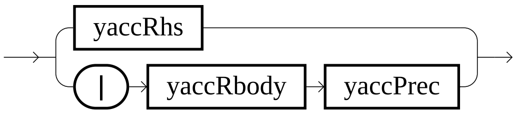
yaccRhs



yaccRules



yaccRule



3 hsparser.y

This section gives a summary of the LALR(1) syntax for Haskell 1.2. The yacc file hsparser.y by Maria M. Gutierrez is originally taken from a Glasgow Haskell Compiler distribution (The AQUA Team, Departement of Computer Science, University of Glasgow, Scotland: Glasgow FP group page URL `http://www.dcs.gla.ac.uk/fp/`). The diagrams have been produced with:

```
> Ebnf2ps -verbose
          +unfold
          +simplify
          -yacc
          -titleScale 12
          -ntBg black
          -ntColor white
          -tFont Courier-Bold
          -tScale 8
          -fatLineWidth 40
          hsparser.y '.*' -- '.*key'

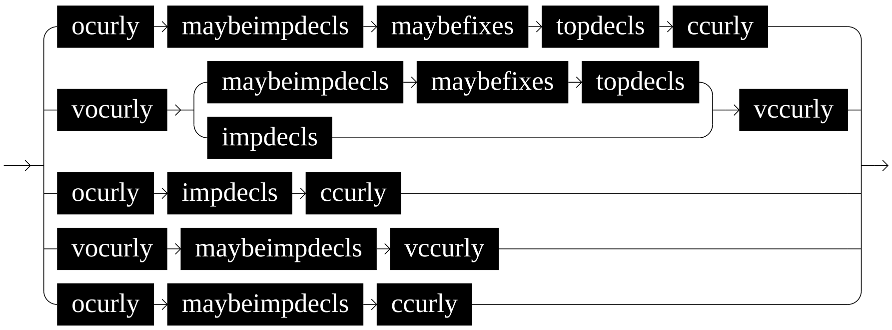
using colors:
        ntColor          (255,255,255)
        tColor           (0,0,0)
        lineColor        (0,0,0)
        ntBoxColor       (0,0,0)
        tBoxColor        (0,0,0)
        ntBg             (0,0,0)
        tBg              (255,255,255)
        titleColor       (0,0,0)
from rgbPathDefault: ["/usr/lib/X11", "/usr/local/X11R5/lib/X11"]
generating nonterminals: [".*"]
from hsparser.y
using input path ["/home/walterm/tests/"]
using yaccInput
empty productions
        layout
unfold nonterminals
        classkey
        datakey
        defaultkey
        importkey
        instkey
        lazykey
        minuskey
        modulekey
        obrackkey
```

```
        oparenkey
        typekey
in the following productions
        conk
        vark
        aapatk
        dpatk
        iinstd
        iclassd
        idatad
        ityped
        defaultd
        instd
        classd
        datad
        typed
        iimport
        module
produce layout and output
>
```

pmodule

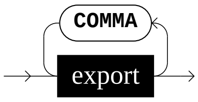
module

body

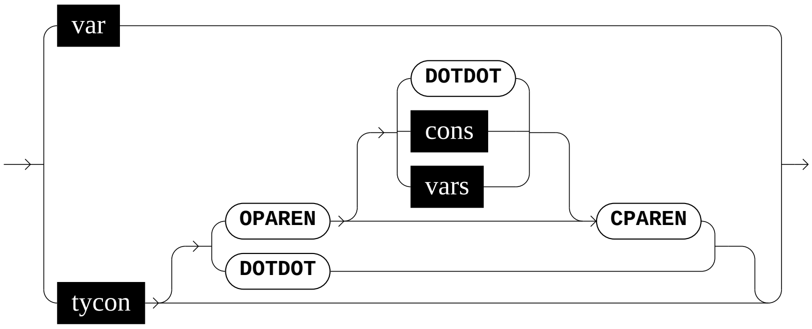


maybeexports

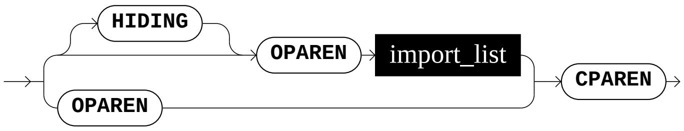
export_list



export

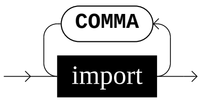


impspec

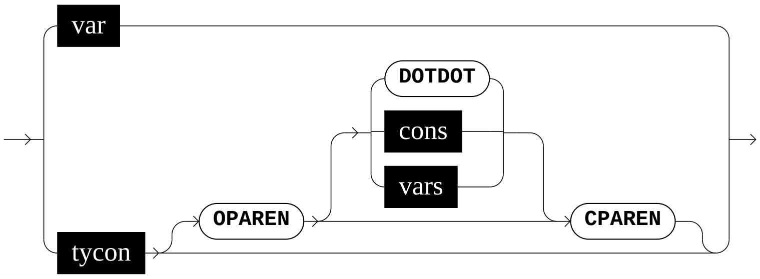


maybeimpspec

import_list



import

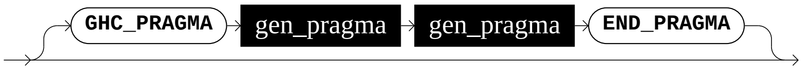


idata_pragma

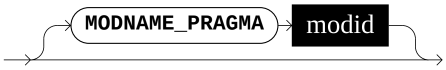
itype_pragma

iclas_pragma

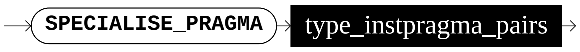
iclasop_pragma



modname_pragma

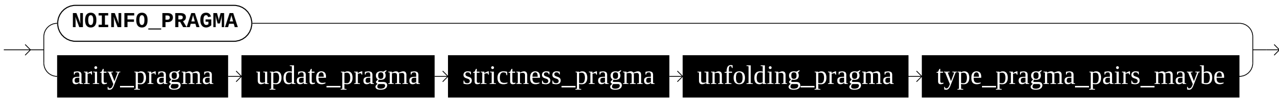


restof_iinst_spec

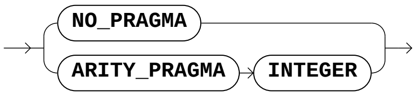


ival_pragma

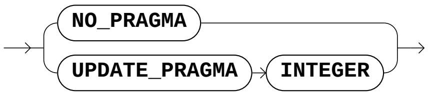
gen_pragma



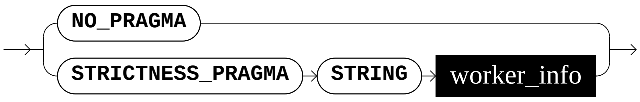
arity_pragma



update_pragma

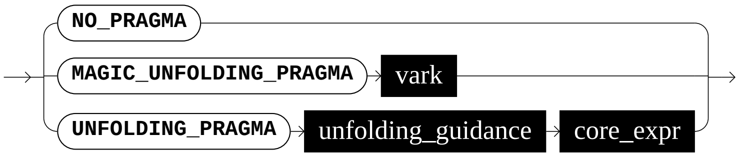


strictness_pragma

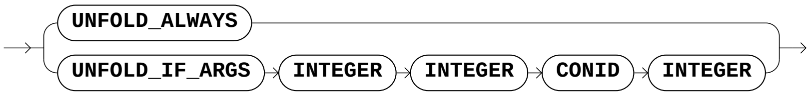


worker_info

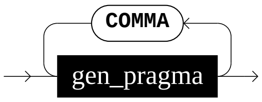
unfolding_pragma



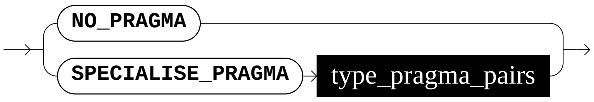
unfolding_guidance



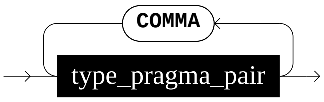
gen_pragma_list



type_pragma_pairs_maybe

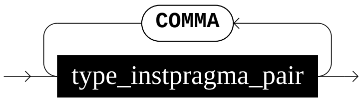


type_pragma_pairs



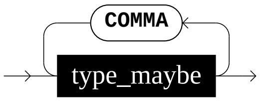
type_pragma_pair

type_instpragma_pairs

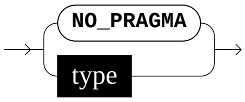


type_instpragma_pair

type_maybes

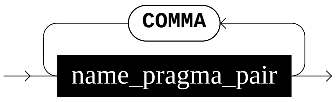


type_maybe

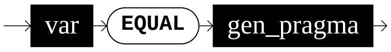


maybe_name_pragma_pairs

name_pragma_pairs



name_pragma_pair



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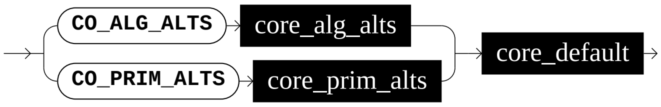
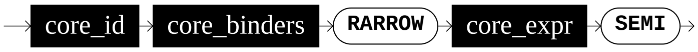


core_alg_alts

core_alg_alt



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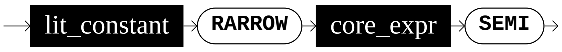
core_prim_alt



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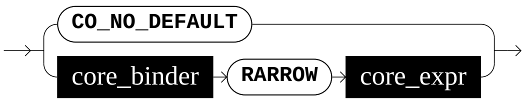

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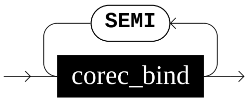

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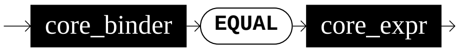

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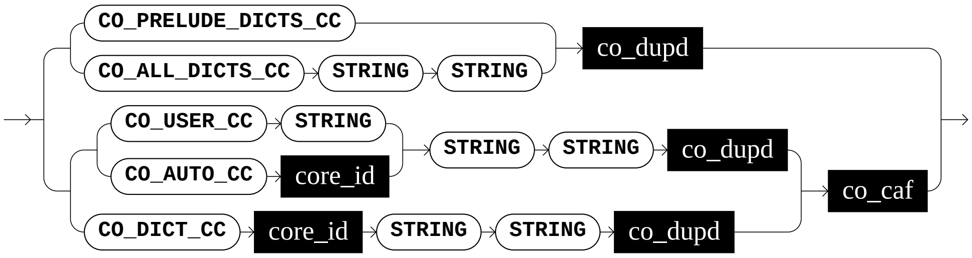

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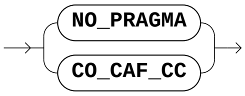

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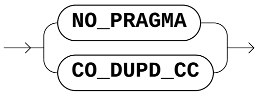

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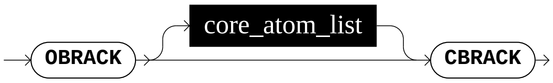
core_binder

core_atoms



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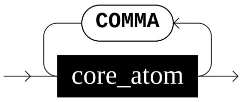

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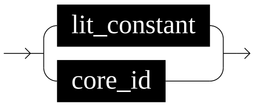

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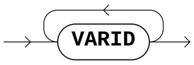

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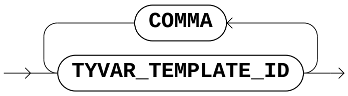
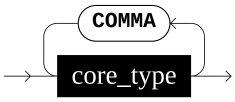


core_types

core_type_list



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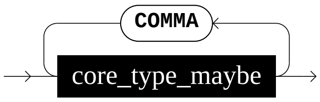
core_type_maybes



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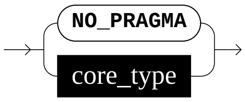
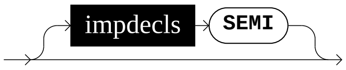


readpreludecore

readprelude

maybeimpdecls



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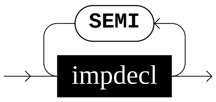
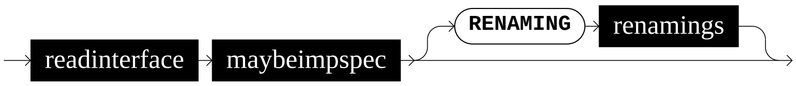


impdecl

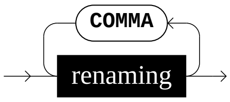
impdecl_rest



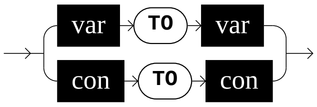
readinterface

renamings

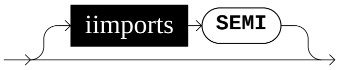
renaming_list



renaming



maybeiimports



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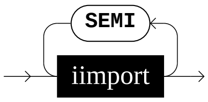

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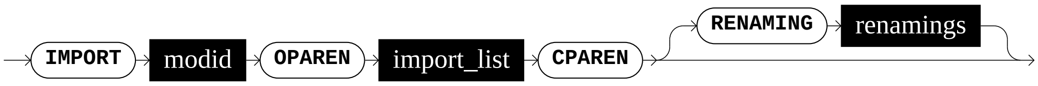
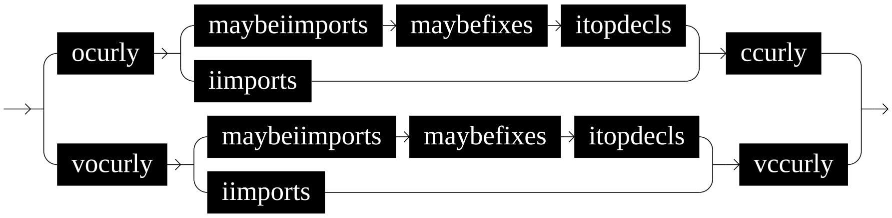
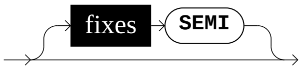


interface

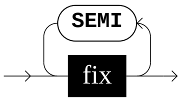
ibody



maybefixes



fixes



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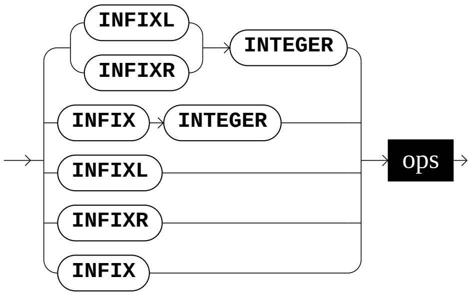

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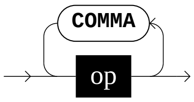

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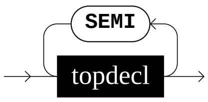

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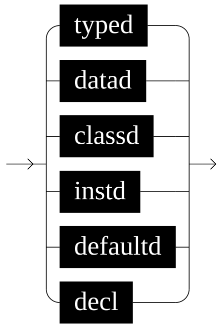

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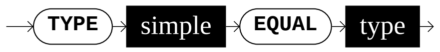

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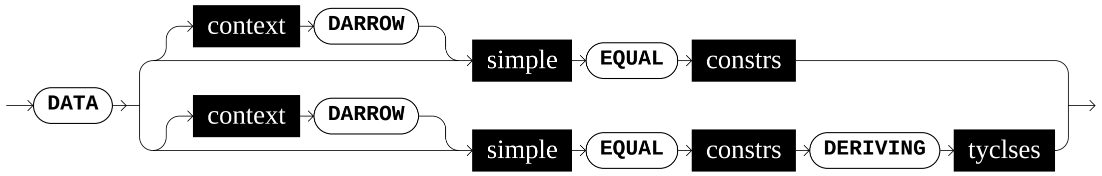

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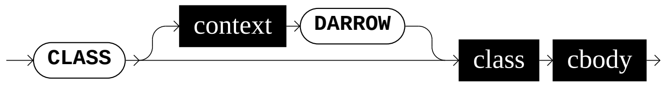

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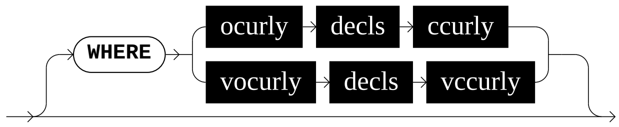

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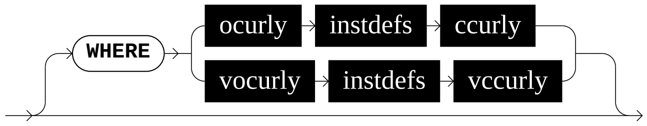

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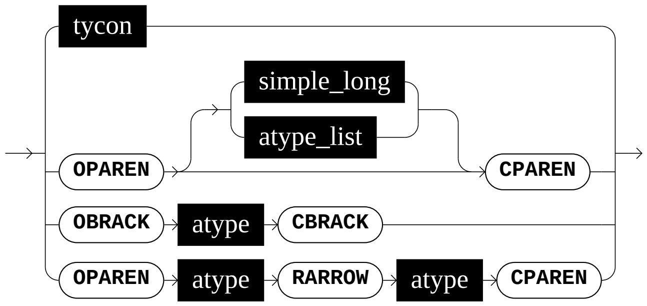

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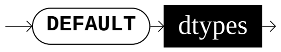

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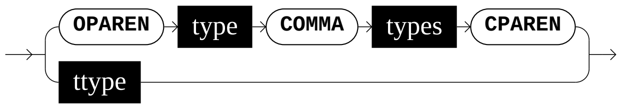

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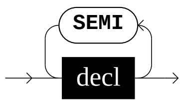

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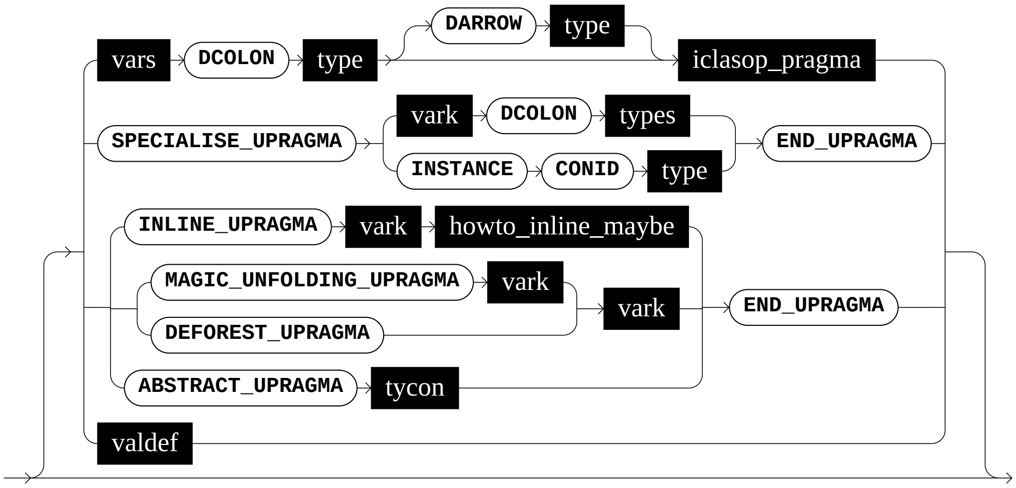

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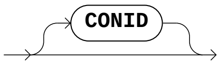

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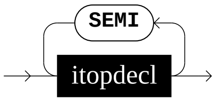

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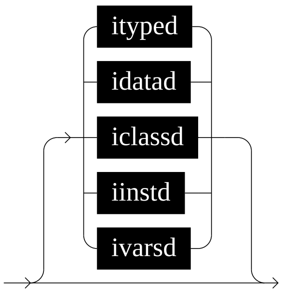

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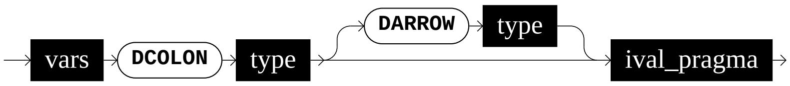

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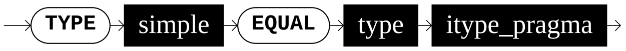

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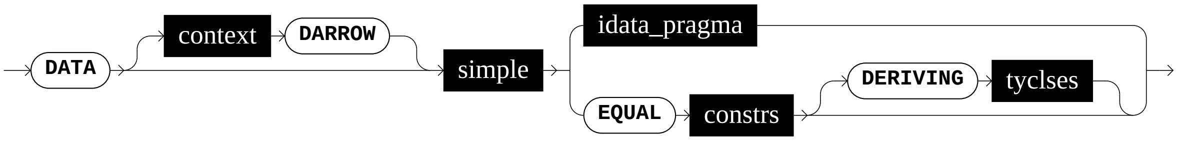

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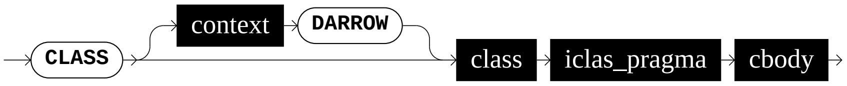

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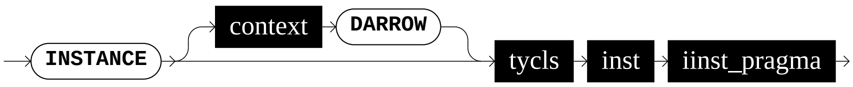

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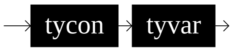

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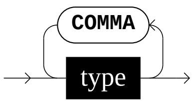

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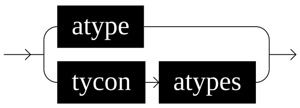

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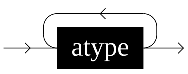

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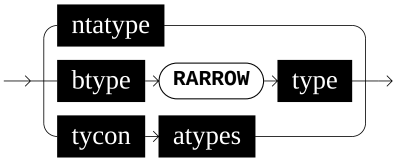

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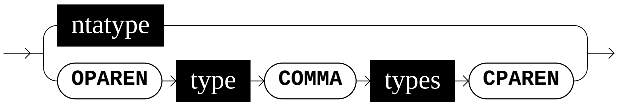

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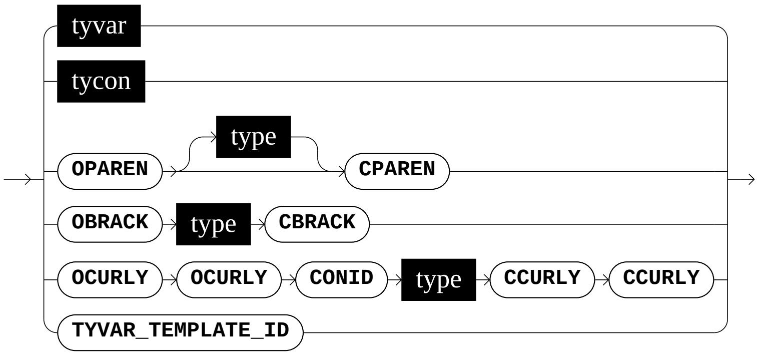

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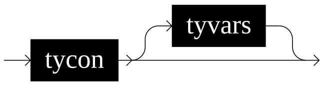

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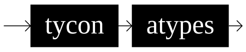

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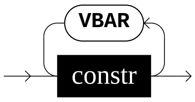

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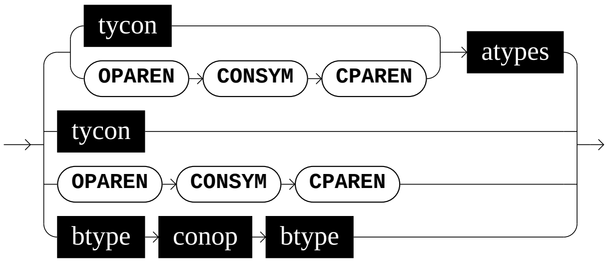

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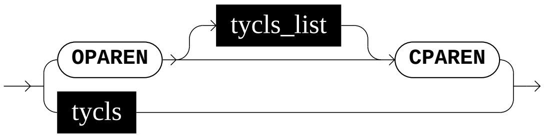

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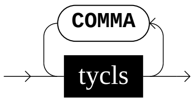

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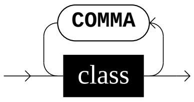

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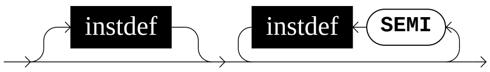

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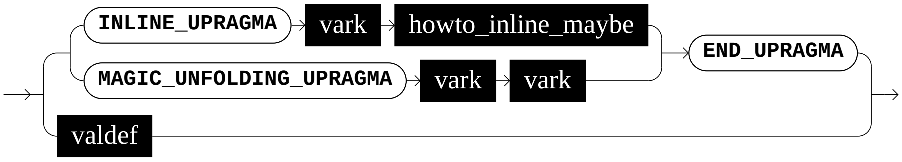

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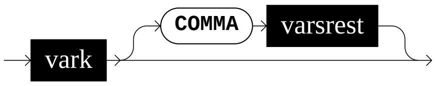

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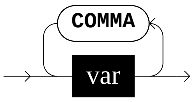

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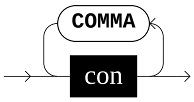

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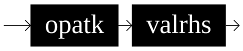

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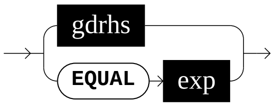

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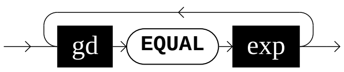

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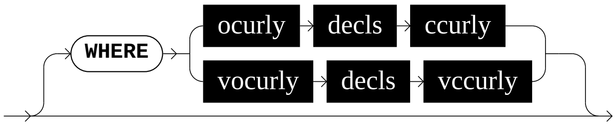

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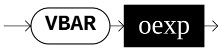

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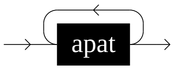

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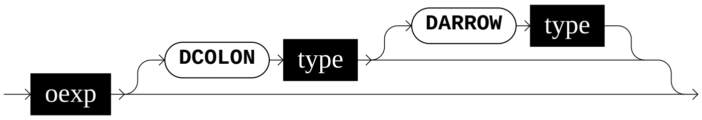

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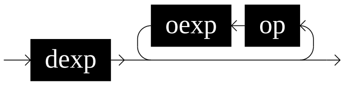

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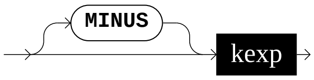

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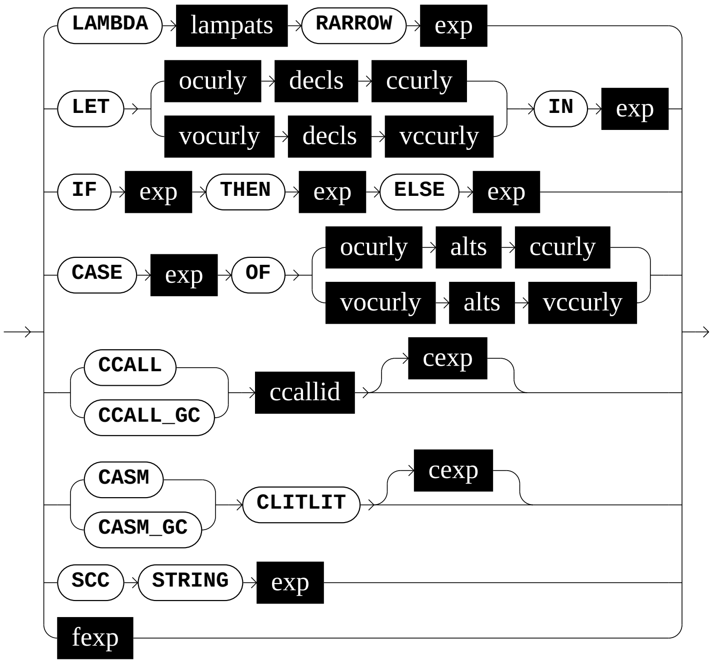

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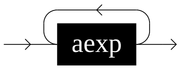

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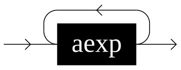

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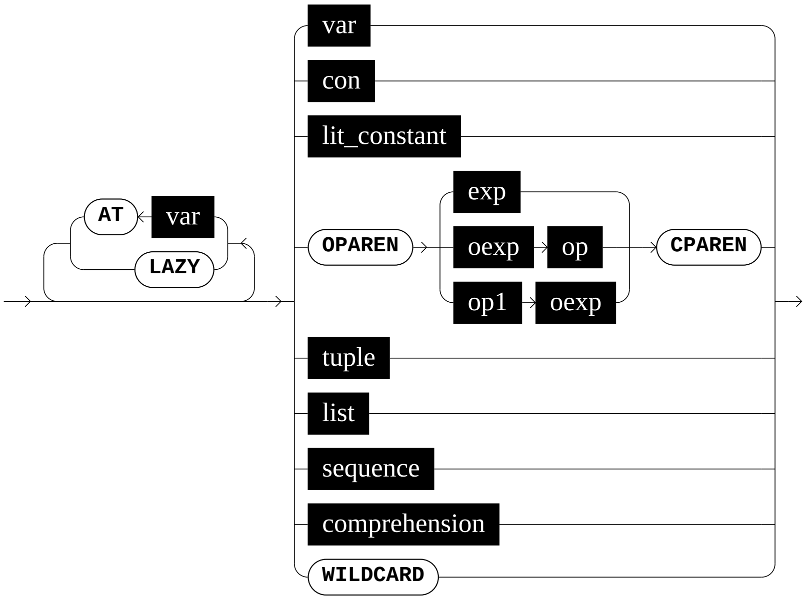

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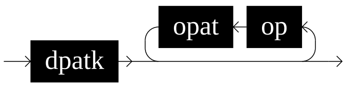

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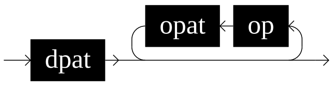

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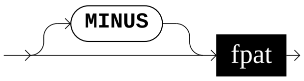

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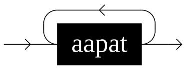

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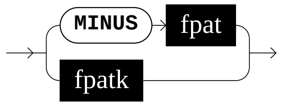

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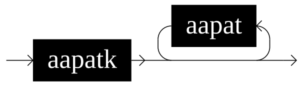

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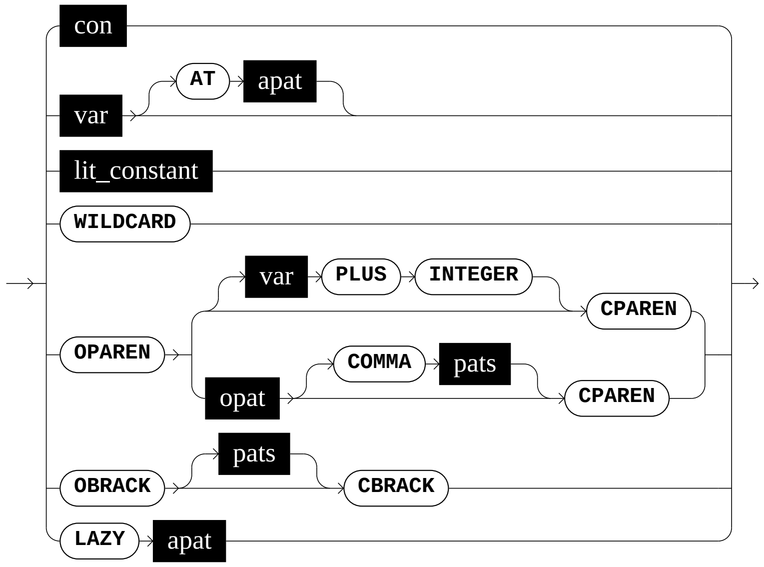

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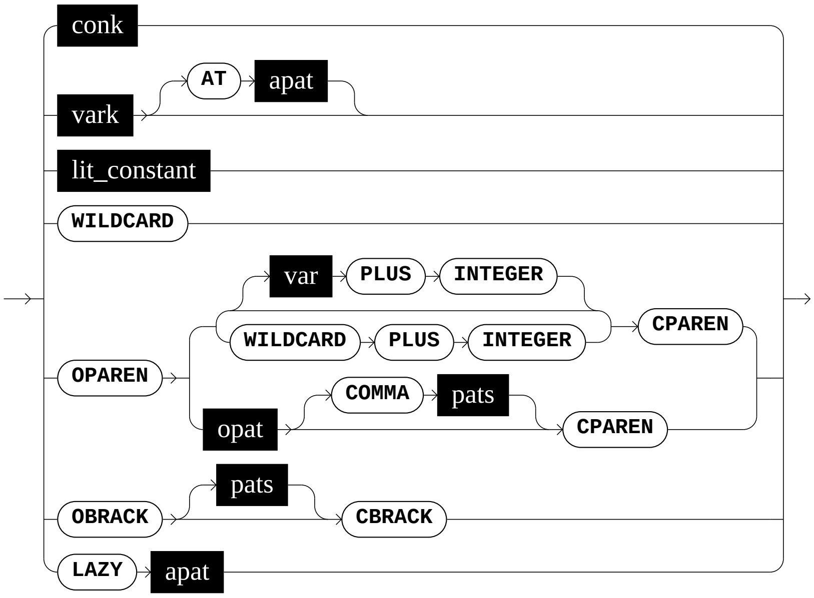

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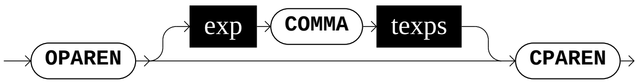

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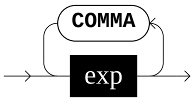

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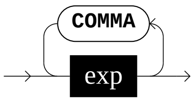

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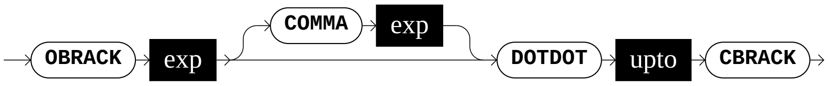

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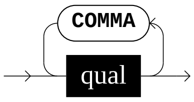

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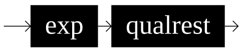

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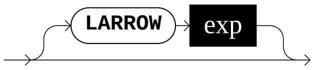

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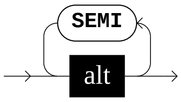

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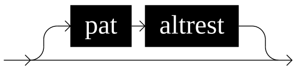

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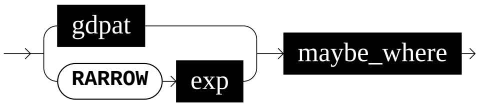

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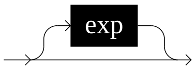

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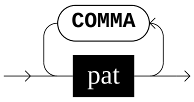

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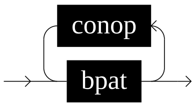

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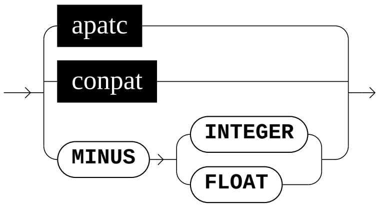

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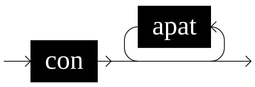

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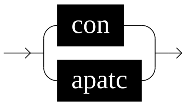

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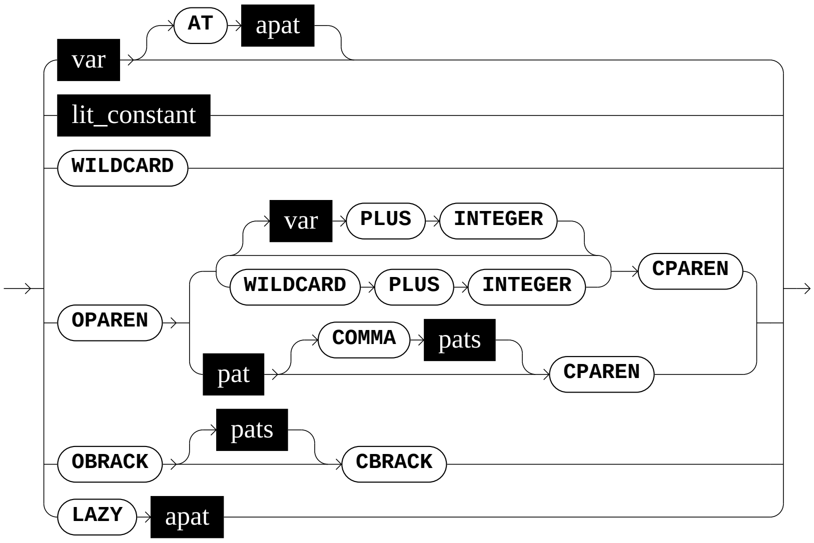

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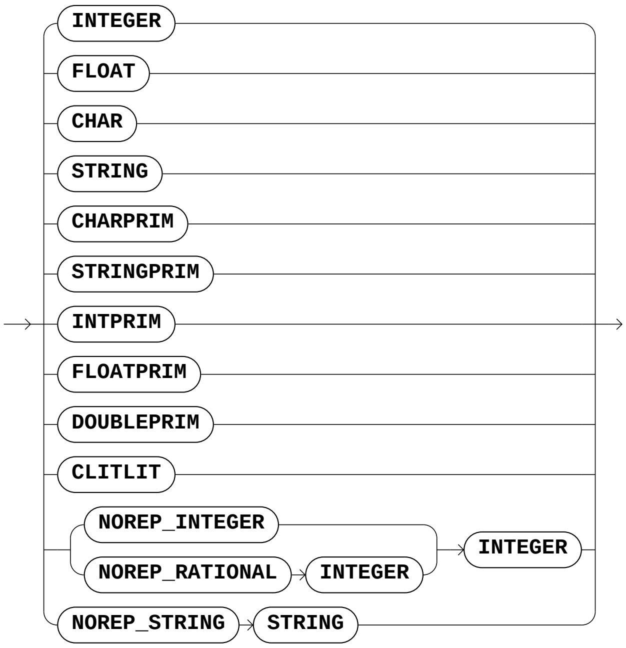

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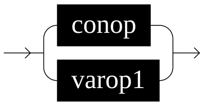

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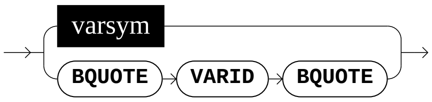

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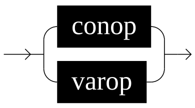

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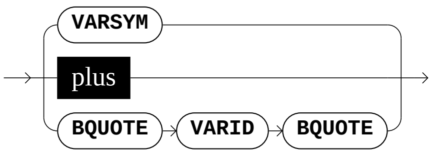

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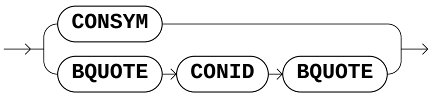

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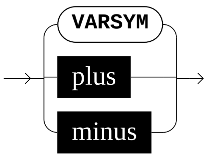

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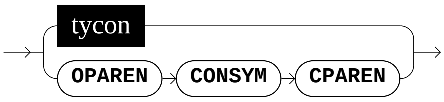

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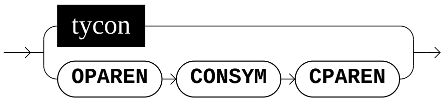

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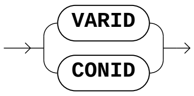

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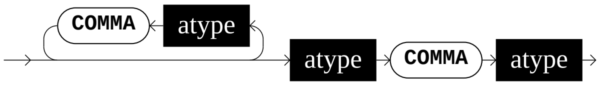

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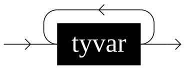

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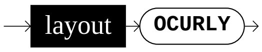

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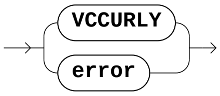

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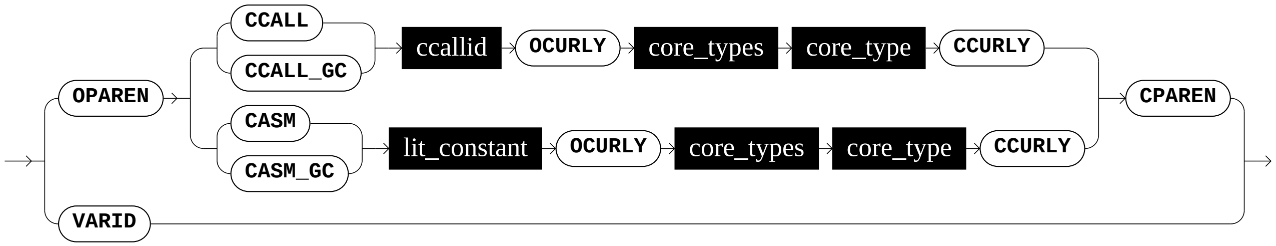
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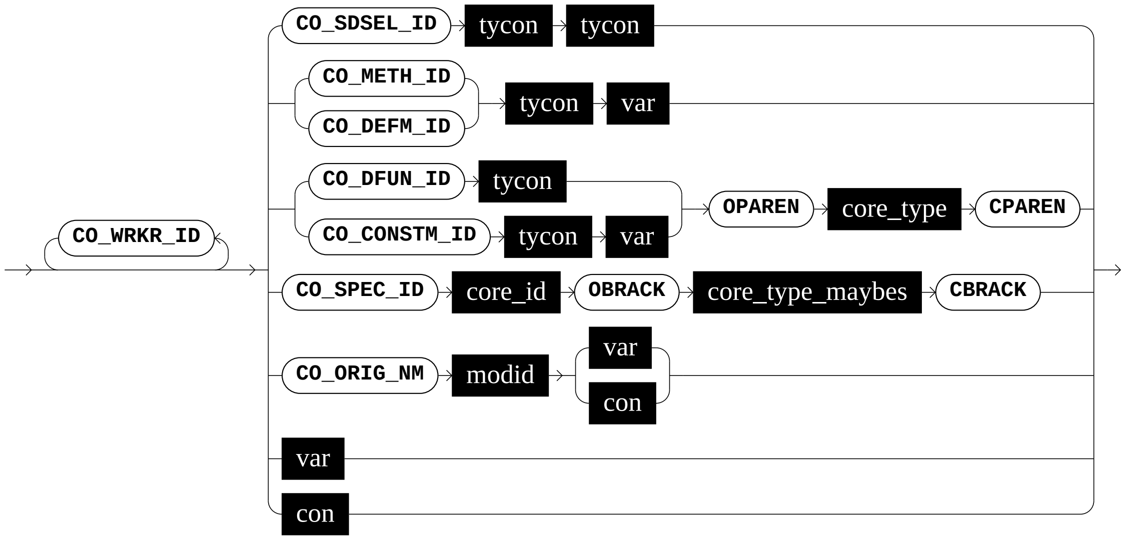

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