# Evangelion Japanese Font Metric for LuaTEX

https://github.com/RadioNoiseE/Evangelion-JFM

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#### 概要

本文档将介绍名为 Evangelion Japanese Font Metric(下简称为"Eva-JFM")的 JFM 文件。其适用于简体中文(以下简称为「简中」)、繁体中文(以下简称为「繁中」)及日文字体的横直排。旨在提供一个充分利用 LuaTgX-ja 的 priority 特性,基于标准 [1] 的同时,同时支持一些罕用特性的 JFM 文件。文档使用中文及西文撰写。

# 1 背景及略介:Background Knowledge and a Rough Introduction

T<sub>E</sub>X 是高德纳教授于 29 世纪末开发的强大排版引擎,能够完全满足西文排版的需求。然因时代局限性\*1以及客观原因\*2支持十分有限。为达成中日排版需求,在宏扩展(如 CJK 等)之外出现了引擎扩展。影响力较大的是pT<sub>E</sub>X 系列。

pT<sub>E</sub>X 系列采用虚拟字体的理念,使用 TFM/VF 映射 TrueType 或 OpenType 字体完成排版。其不支持宏配置字体,也不支持直接生成 PDF 格式文件。但可以满足日本的传统横纵排版需求(工业标准)。

pdfTeX 则是当时另一个 TeX 的引擎扩展,支持不经 DVI 格式直接输出 PDF 格式的文件。然对 Unicode(字符编码)及 TrueType、OpenType(「现代」矢量字体格式)的支持繁琐或有限。LuaTeX 便是基于 pdfTeX 的引擎扩展,在原生支持 Unicode 下提供 Lua 语言扩展(使能够使用 fontloader 等模块)支持现代字体。宏配置字体特性由 luaotfload 宏集提供。它也支持直接生成 PDF 文件。

LuaTeX-ja 可看作是对两者的合并。这是一个由日本开发者北川宏典首倡的 LuaTeX 下的日文支持项目,即将 pTeX(大部分)移植到 LuaTeX 下。由于 LuaTeX 支持宏配置字体,故不需要 VF 文件为字体提供映射,但为标点挤压等需求保留并扩展"3了 JFM 文件。

本项目就是一个 JFM 文件。使用 Lua 的 callback,将简中、繁中、日文及横纵方向、行间标点、压缩字体等特性集中于 jfm-eva.lua 单个文件中。用户可按需调用特性来完成高质量的中日排版。

# 2 安裝及本地配置:Installation and Local Configs

本项目将源文件托管于 GitHub 平台,暂未上传至 Comprehensive TeX Archive Net(CTAN)。用户可使用 mkdir Evangelion-JFM [8&] cd Evangelion-JFM

<sup>\*1</sup> 如没有事实上的统一字符编码等。

<sup>\*2</sup> 如中日字符集较大,以及书写方式的不同(纵书、横书),标点等。

<sup>\*3</sup> 如优先挤压(priority)特性,及一些特殊字符(如 parbdd、glue)等。

git clone https://github.com/RadioNoiseE/Evangelion-JFM

获取源文件,再将其放置在本地的 TEXMF 路径中,如

~/Library/texlive/2023/texmf-dist/tex/luatex/eva-jfm

等。最后运行

1 mktexlsr

更新本地 TrX 的 Ls-R 文件即可。

本文件一般情况下无需用户进行本地配置,但若有特殊需求可见 5.3。

# 3 **使用:**Using

以下是在LYTEX下使用繁中字体进行直排的示例

- \usepackage{luatexja-fontspec, luatexja-adjust}
- 2 \setmainjfont{Source Han Serif TC}[Language = Chinese Traditional, TateFeatures = {JFM = eva/{vert, trad, nstd}}]
- 3 \ltjenableadjust[priority = true]

(注意需要调用支持直书的文档类或使用\tate 命令)。LuaTrX-ja 的 JFM 语法为:

 $_{1}$  jfm =  $\langle \mathcal{J}FM \ name \rangle / \{\langle \mathcal{J}FM \ features \rangle \}$ 

而一般情况使用\setmainjfont 时则为:

\setmainjfont{\language = \language name\rangle, \language = \JFM = \JFM name\rangle/{\JFM features\rangle}}

其中,〈font name〉自然为需要的字体名称。〈language name〉在使用日文字体时可忽略,而使用简中、繁中字体时为必填,因 LuaTeX-ja 会默认将其覆盖为 Japanese 选项,而这会带来灾难性的后果\*4。〈dir〉选填 TateFeatures(直书)或 YokoFeatures(横书)。其后的〈JFM name〉为调用 JFM 的文件名\*5。最后的〈JFM features〉选项为选择使用的 JFM 特性,详细请看第 4 章。

其他情况下设置 JFM 及其更多信息请看 LuaTrX-ja 文档 [2]。

# 4 支持特性:Supported Features

本章节将介绍 Eva-JFM 的所有特性,分别为:语言特性、方向特性、扩展特性及私有特性。

## 4.1 語言特性: Language Features

本区特性必填且只可填一个。不然则会报错。

 $jp \rightarrow (JaPanese)$ 

日本语特性。当使用日文字体时需调用该特性。其与简中、繁中区别在于问号及感叹号后插入的伸缩胶量。影响特性 1gp, 且对内部分组有影响。

<sup>\*4</sup> 比如错误的标点位置:日文为冒号及分号中置、其余偏靠,简中是全部偏靠,而繁中则是统统中置。

<sup>\*5</sup> LuaTṛX-ja 会依 jfm-〈JFM name〉.lua 的格式来查找该文件。

#### $trad \rightarrow (TRADitional chinese)$

繁中特性。当使用繁体中文字体时需调用。与简中、日本语特性的区别源于中置的标点。故,对于全部标点左右插入的伸缩胶的量都与简中、日本语不同。针对句点紧挨闭括号、标点位于句末时等皆有优化。

#### $smpl \rightarrow (SiMPLified)$

简中特性,使用简体中文字体排版时调用。与日本语、繁中特性区别源于分号及冒号等全部偏靠从而影响 其左右插入伸缩胶的量。Eva-JFM 对一些(不该出现的)神奇情况(如两个句号同时出现、开括号后出现问 号等)进行优化。对问号、感叹号等作了特殊处理。

#### 4.2 方向特性:(Writing) Direction Features

本分区特性与全部其他特性兼容, 可同时调用。

vert → (VERTical writing)

直书特性。对标点挤压、分组有影响。直书时必须调用。

### 4.3 **擴展特性:**Extended Features

本区特性依赖 vert 特性,需同时调用。否则报错。

#### $extd \rightarrow (EXTenDed font)$

压缩字体特性。目前仅支持横比纵为 100 比 80 的字体压缩<sup>-6</sup>。需同 extend(luaotfload)或 FakeStretch(fontspec)同时使用。

#### lgp → (LineGap Punctuations)

行间标点特性。该特性将部分标点「悬挂」至行间。日文字体时与繁、简中字体时会有区别。详见第5章。

#### 4.4 私有特性: Dark Features

使用本区特性前请先确保你清楚地知道你在做什么。

### $nstd \longrightarrow (Non STandarD)$

忽略标准特性。字体排印标准 [1] 认为逗号的压缩权重应比句号要低。本特性将句号的压缩优先级与逗号交换,使逗号被优先压缩\*<sup>7</sup>。仅在使用 luatexja-adjust 宏集时有效。

# 5 行間標點特性:More About Linegap Punctuations

本章节将提供更多详细的关于行间标点特性的信息,以及可能出现的问题及其解决方案。

### 5.1 關於「懸掛」:About "Hanging"

行间标点可见于古籍之中, 是将标点符号与直书结合妥协的产物。

传统上悬挂句号与逗号。而 Eva-JFM 特性在繁中、简中特性下会悬挂句号、逗号、顿号、冒号及分号,日文

<sup>\*6</sup> 日本新闻字体,如每日新闻明朝体。

<sup>\*7</sup> 考虑逗号、句号在文字系统中占的重量,以及「开明」压缩风格。

字体下则不悬挂冒号及分号。原因在于日本习惯上将冒号与分号看作「中点类」, 直书时横置处理。 本 JFM 将全部标点悬挂于字体右下位置。详见下一节。

### 5.2 懸掛的位置:Hanging Position

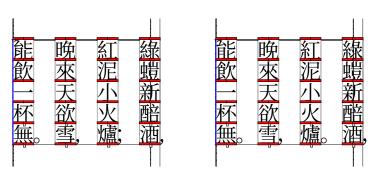


図 1 行间标点特性示意图

标点悬挂的位置有以下考量,可参照图 1。若有特殊需求请看第 5.3 节。优先级由上至下。

- 三种字体风格统一, 位置原则上一致。(故, 繁中字体也悬挂于右下、而非居中)
- 不同标点中的相同(似)元素位置相同;
- 繁中、简中、日文字体标点触字框右边线;
- 不同标点符号因形状不同可于字框底线略下沉或上浮;
- 不同标点符号因大小不同可靠近或远离字框右边线;
- 三种字体可分别因涉及的差异而位置略微区别。

### 5.3 用戶配置:Configurations

本特性是以三套思源字体为基准设计的。而由于各字体的标点符号位置不可避免会有不同,故在某些特殊情况下会出现错位影响视觉效果的情况。或是单纯对原设定而言更偏好其他设定等原因,本节提供自定义及调整的两种方法。第一种较简单但可移植性较差,而第二种虽繁琐但一劳永逸。

#### 5.3.1 修改原程式碼: Changing Parameters

在 Eva-JFM 中,控制行间标点的分区分别为

1 [101,2] => [1]; [201,2] => [2]; [301,2] => [3].

只需调整其中 left 和 down 键的值即可。其中 left 为向右移动,down 为向下移动。具体可参照第 6 章。

### 5.3.2 使用外掛符號字體:Using Seperate Punctuation Font

该方法的原理就是使用特殊的仅包含(标点)符号的字体来替换原有字体中的标点符号,从而稳定其表现。符号字体可使用 https://github.com/Buernia/Zhudou-Sans 处的开源字体。其基于思源黑体,还添加了许多其他符号(但这里我们只会用到六个符号)及标点挤压等特性。

将其放入 TEXMF 并更新 Ls-R 文件后即可使用 LuaTrX-ja 提供的 AltFont 键进行替换,例元:

其中首个〈language〉可选填 Japanese、Chinese Traditional 或 Chinese Simplified,第二个则填语言特性 分区的对应 jp、trad 及 smpl 特性。〈utf-8 code〉则为需要替换的标点符号的 Unicode 编码,如需替换句号(ideographic full stop,U+3002)则填 3002\*8即可。〈symbol font〉以及〈main font〉填符号字体名称、正文字体名称即可。具体语法及示例可看 [2]。

## 6 启發:Inspiration

Eva-JFM 的内部分组受 min10.tfm[5] 的启发, 支持的 priority 特性则取自阿部紀行氏的 jlreq.lua 文件。 其余可见参考文献。

# 参考文献

- [1] W3C Japanese Layout Task Force (ed). Requirements for Japanese Text Layout (W3C Working Group Note), 2011, 2012. http://www.w3.org/TR/jlreq/.
- [2] LuaT<sub>F</sub>X-ja パッケージ. LuaT<sub>F</sub>X-ja プロジェクトチーム, 2022, 2023.
- [3] The Unicode Standard Version 15.0 Core Specification. The Unicode Consortium, 2022.
- [4] Victor Eijkhout. TFXby Topic, A TFXnician's Reference, Addison-Wesley, 1992.
- [5] 乙部厳己・「min10 フォントについて」. http://argent.shinshu-u.ac.jp/~otobe/tex/files/min10.pdf.
- [6] Noriyuki Abe. Jlreq Document Class. https://github.com/abenori/jlreq.

# 程式碼:Implementation

```
1 ---- Evangelion Japanese Font Metric for LuaTeX
2 ---- Current Version: 1.0.0 (b)
3 ---- Dev URL: https://github.com/RadioNoiseE/Evangelion-JFM
4 ---- © Copyright 2023, RadioNoiseE
5
6
7 -- 初始化
```

<sup>\*8</sup> 编码可至 https://www.unicode.org/charts/unihanrsindex.html 查询。

```
8 local lang_jp, lang_tc, lang_sc, dir_vt, font_extd, punc_lg
_{10} if luatexja.jfont.jfm_feature then
      lang_jp = luatexja.jfont.jfm_feature.jp
      lang_tc = luatexja.jfont.jfm_feature.trad
12
      lang_sc = luatexja.jfont.jfm_feature.smpl
      dir_vt = luatexja.jfont.jfm_feature.vert
      font_extd = luatexja.jfont.jfm_feature.extd
      punc_lg = luatexja.jfont.jfm_feature.lgp
      std_nil = luatexja.jfont.jfm_feature.nstd
18 end
19
20 -- 預處理及容錯
_{21} if font_extd = true and dir_vt = false then
      tex.error('JFM feature "extd" only works with feature "vert".\n' ..
               'For now I\'ll ignore it.')
24 end
25
  if punc_lg = true and dir_vt = false then
      tex.error('JFM feature "lgp" only works with feature "vert".\n' ..
               'For now I\'ll ignore it.')
28
29 end
31 if not ((lang_jp and not (lang_tc or lang_sc)) or
      (lang_tc and not (lang_jp or lang_sc)) or
      (lang_sc and not (lang_jp or lang_tc))) then
33
      tex.error('Specify one and only one feature from three language specific features\n' ..
               '"jp", "trad" or "smpl"\n' ..
35
               'is required.\n' ..
               'For now I\'ll use "lang_jp" for japanese by default.')
38 end
40 -- 定義函數宏
41 local function logic_anif(f1, f2, r1, r2)
       local rta = f1 and (f2 and r1) or r2
       return rta
43
44 end
46 local function logic_if(f1, r1, r2)
       local rti = f1 and r1 or r2
       return rti
49 end
51 local function context_height()
      local rth = dir_vt and (font_extd and 0.625 or 0.5) or 0.88
      return rth
54 end
56 local function context_depth()
```

```
local rtd = dir_vt and (font_extd and 0.625 or 0.5) or 0.12
      return rtd
59 end
61 -- 主體
62 local eva = {
      version = 3,
      dir = logic_if(dir_vt, 'tate', 'yoko'),
      zw = 1,
      zh = logic_anif(dir_vt, font_extd, 1.25, 1),
      kanjiskip = \{0, 0.25, 0\},
      xkanjiskip = \{0.25, 0.25, 0.125\},
      [0] = { -- 缺省類
          width = 1,
71
          height = context_height(),
          depth = context_depth(),
          italic = 0,
74
          left = 0,
          down = 0,
          align = 'middle',
          glue = {
             [1] = logic_if(lang_tc, {0.25, 0, 0.125, ratio = 1, priority = logic_if(std_nil, {-1, 0}, {-1,
             [2] = logic_if(lang_tc, {0.25, 0, 0.125, ratio = 1, priority = logic_if(std_nil, {-1, -2}, {-1,
                  0})}, {}),
             [3] = logic_if(dir_vt, {}, logic_if(lang_tc, {0.25, 0, 0.125, ratio = 1, priority = {-1, -1}}, {
                  priority = \{0, -1\}\})),
             [7] = \{0.5, 0, 0.25, ratio = 1, priority = \{-1, -2\}\},\
             [9] = \{0.25, 0, 0.125, ratio = 1, priority = \{-1, -1\}\}
          },
          round_threshold = 0.01
      },
      [1] = { -- 読点類
          chars = logic_anif(dir_vt, punc_lg, {}, {'.', ','}),
89
          width = 0.5,
          height = context_height(),
91
          depth = context_depth(),
          italic = 0,
          left = 0,
          down = 0,
          align = logic_if(lang_tc, 'middle', 'left'),
          glue = {
             [0] = logic_if(lang_tc, {0.25, 0, 0.125, ratio = 0, priority = logic_if(std_nil, {-1, 0}, {-1,
                  -2})}, {0.5, 0, 0.25, ratio = 0, priority = logic_if(std_nil, {-1, 0}, {-1, -2})}),
             [1] = logic_if(lang_tc, {0.5, 0, 0.25}, {0.5, 0, 0.25}),
             [2] = logic_if(lang_tc, {0.5, 0, 0.5}, {0.5, 0, 0.25}),
             [3] = logic_if(dir_vt, logic_if(lang_tc, {0.25, 0, 0.125, ratio = 0, priority = {0, -1}}, {0.5,
101
```

```
0, 0.25, priority = \{0, -1\}, logic_if(lang_tc, \{0.5, 0, 0.25, priority = <math>\{0, -1\}, \{0.5, 0.5, 0.25, priority = \{0, -1\}\}, \{0.5, 0.5, 0.25, priority = \{0, -1\}\}, \{0.5, 0.5, 0.25, priority = \{0, -1\}\}, \{0.5, 0.25, priority = \{0.25, priority = \{0, -1\}\}\}, \{0.5, 0.25, priority = \{0.25, priority = \{
                                                                                   0, 0.25, ratio = 0, priority = \{0, -1\}\})),
                                                              [4] = logic_if(lang_tc, {0.25, 0, 0.125, ratio = 0, priority = logic_if(std_nil, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0}, {0, 0
                                                                                   -2})}, {0.5, 0, 0.25, ratio = 0, priority = logic_if(std_nil, {0, 0}, {0, -2})}),
                                                             [5] = logic_if(lang_tc, {0.25, 0, 0.125, ratio = 0, priority = logic_if(std_nil, {0, 0}, {0,
103
                                                                                   -2})}, {0.5, 0, 0.25, ratio = 0, priority = logic_if(std_nil, {0, 0}, {0, -2})}),
                                                              [6] = logic_if(lang_tc, {0.25, 0, 0.125, ratio = 0, priority = logic_if(std_nil, {-1, 0}, {-1,
                                                                                    -2})}, {0.5, 0, 0.25, ratio = 0, priority = logic_if(std_nil, {-1, 0}, {-1, -2})}),
                                                              [7] = logic_if(lang_tc, {0.25, 0, 0.125, ratio = 0, priority = logic_if(std_nil, {-1, 0}, {-1,
                                                                                   -2})}, {0.5, 0, 0.25, ratio = 0, priority = logic_if(std_nil, {-1, 0}, {-1, -2})}),
                                                              [8] = logic_if(lang_tc, {0.25, 0, 0.125}, {}),
106
                                                             [9] = logic_if(lang_tc, \{0.5, 0, 0.25, \text{ priority} = \{0, -1\}\}, \{0.75, 0, 0.25, \text{ ratio} = 1/3, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.75, 0.7
                                                                                   priority = \{0, -1\}\})
                                             },
                                             end_adjust = logic_if(lang_tc, \{0, 0\}, \{0.5, 0\})
109
                             },
110
111
                              [101] = { -- 読点類(行間a)
112
                                             chars = logic_anif(dir_vt, punc_lg, {'.'}, {}),
                                             width = 0,
114
                                             height = context_height(),
115
                                             depth = context_depth(),
                                             italic = 0,
117
                                             left = 0.38,
                                             down = -0.34,
119
                                             align = 'left'
120
                            },
122
                              [102] = { -- 読点類(行間b)
123
                                             chars = logic_anif(dir_vt, punc_lg, {','}, {}),
124
                                             width = 0,
125
                                             height = context_height(),
                                             depth = context_depth(),
                                             italic = 0,
128
                                             left = logic_if(lang_tc, 0.62, 0.40),
                                             down = logic_if(lang_tc, -0.58, -0.26),
130
                                             align = 'left'
131
                            },
132
133
                              [2] = { -- 句點類
                                             chars = logic_anif(dir_vt, punc_lg, {}, {'.', 'o'}),
135
                                             width = 0.5,
136
                                             height = context_height(),
                                             depth = context_depth(),
138
                                             italic = 0,
                                             left = 0,
140
141
                                             align = logic_if(lang_tc, 'middle', 'left'),
142
                                             glue = {
143
```

```
[0] = logic_if(lang_tc, {0.25, 0, 0.125, ratio = 0, priority = logic_if(std_nil, {-1, -2}, {-1,
                                     0})}, {0.5, 0, 0.25, ratio = 0, priority = logic_if(std_nil, {-1, -2}, {-1, 0})}),
                            [1] = logic_if(lang_tc, {0.5, 0, 0.25}, {0.5, 0, 0.25, ratio = 0}),
145
                            [2] = logic_if(lang_tc, {0.5, 0, 0.25}, {0.5, 0, 0.25, ratio = 0}),
                            [3] = logic_if(dir_vt, logic_if(lang_tc, {0.25, 0, 0.125, ratio = 0, priority = {0, -1}}, {0.5,
147
                                     0, 0.25, priority = \{0, -1\}, logic_if(lang_tc, \{0.5, 0, 0.25, priority = <math>\{0, -1\}, \{0.5, 0, 0.25, priority = \{0, -1\}\}, \{0.5, 0, 0.25, priority = \{0.5, 0
                                     0, 0.25, \text{ ratio} = 0, \text{ priority} = \{0, -1\}\})),
                            [4] = logic_if(lang_tc, {0.25, 0, 0.125, ratio = 0, priority = logic_if(std_nil, {0, -2}, {0,
148
                                     0})}, {0.5, 0, 0.25, ratio = 0, priority = logic_if(std_nil, {0, -2}, {0, 0})}),
                            [5] = logic_if(lang_tc, {0.25, 0, 0.125, ratio = 0, priority = logic_if(std_nil, {0, -2}, {0,
149
                                     0})}, {0.5, 0, 0.25, ratio = 0, priority = logic_if(std_nil, {0, -2}, {0, 0})}),
                            [6] = logic_if(lang_tc, {0.25, 0, 0.125, ratio = 0, priority = logic_if(std_nil, {-1, -2}, {-1,
                                     0})}, {0.5, 0, 0.25, ratio = 0, priority = logic_if(std_nil, {-1, -2}, {-1, 0})}),
                           [7] = logic_if(lang_tc, {0.25, 0, 0.125, ratio = 0, priority = logic_if(std_nil, {-1, -2}, {-1,
151
                                     0})}, {0.5, 0, 0.25, ratio = 0, priority = logic_if(std_nil, {-1, -2}, {-1, 0})}),
                            [8] = logic_if(lang_tc, {0.25, 0, 0.125, ratio = 0}, {}),
152
                            [9] = logic_if(lang_tc, {0.5, 0, 0.25, priority = {0, -1}}, {0.75, 0, 0.25, ratio = 1/3,
                                     priority = \{0, -1\}\})
                    },
                    end_adjust = logic_if(lang_tc, \{0, 0\}, \{0.5, 0\})
155
             },
156
157
             [201] = { -- 句點類(行間a)
158
                    chars = logic_anif(dir_vt, punc_lg, {'.'}, {}),
                    width = 0,
160
                    height = context_height(),
161
                    depth = context_height(),
                    italic = 0,
163
                    left = logic_if(lang_tc, 0.68, 0.34),
164
                    down = logic_if(lang_tc, -0.58, -0.28),
                    align = 'left'
166
             },
168
             [202] = { -- 句點類(行間b)
169
                    chars = logic_anif(dir_vt, punc_lg, {'o'}, {}),
170
                    width = 0,
171
                    height = context_height(),
172
                    depth = context_height(),
173
                    italic = 0,
174
                    left = 0.42,
                    down = -0.35,
176
                    align = 'left'
177
             },
178
179
             [3] = { -- 兩點類
                    chars = logic_if(lang_jp, {}, (logic_anif(dir_vt, punc_lg, {}, {':', ';'}))),
181
                    width = logic_if(dir_vt, 1, 0.5),
182
                    height = context_height(),
183
                    depth = context_depth(),
184
```

```
italic = 0,
                     left = 0,
186
                     down = 0,
187
                     align = logic_if(lang_tc, 'middle', 'left'),
                     glue = {
189
                             [0] = logic_if(dir_vt, {}, logic_if(lang_tc, {0.25, 0, 0.125, ratio = 0, priority = {-1, -1}},
                                       \{0.5, 0, 0.25, ratio = 0, priority = \{-1, -1\}\})),
                             [1] = logic_if(dir_vt, logic_if(lang_tc, {0.25, 0, 0.125, ratio = 1, priority = {0, -1}}, {
191
                                       priority = \{0, -1\}, logic_if(lang_tc, \{0.5, 0, 0.25, \text{ priority} = \{0, -1\}\}, \{0.5, 0, 0.25, \text{ priority}\}
                                       ratio = 0, priority = \{0, -1\}\})),
                             [2] = logic_if(dir_vt, logic_if(lang_tc, {0.25, 0, 0.125, ratio = 1, priority = {0, -1}}, {
192
                                       priority = \{0, -1\}\}, logic_if(lang_tc, \{0.5, 0, 0.25, priority = \{0, -1\}\}, \{0.5, 0, 0.25, priority = \{0.5, 0, 0.25, priority = \{0.5, 0
                                       ratio = 0, priority = \{0, -1\}\})),
                             [3] = logic_if(dir_vt, \{\}, logic_if(lang_tc, \{0.5, 0, 0.25, \text{ priority} = \{0, -1\}\}, \{0.5, 0, 0.25, \text{ priority}\}
                                       ratio = 0, priority = \{0, -1\}\})),
                             [4] = logic_if(dir_vt, {}, logic_if(lang_tc, {0.25, 0, 0.125, ratio = 0, priority = {0, -1}},
194
                                       \{0.5, 0, 0.25, \text{ ratio} = 0, \text{ priority} = \{0, -1\}\})),
                             [5] = logic_if(dir_vt, {}, logic_if(lang_tc, {0.25, 0, 0.125, ratio = 0, priority = {0, -1}},
195
                                       \{0.5, 0, 0.25, \text{ ratio} = 0, \text{ priority} = \{0, -1\}\})),
                             [6] = logic_if(dir_vt, {}, logic_if(lang_tc, {0.25, 0, 0.125, ratio = 0, priority = {-1, -1}},
                                       \{0.5, 0, 0.25, \text{ ratio} = 0, \text{ priority} = \{-1, -1\}\})),
                             [7] = logic_if(dir_vt, {}, logic_if(lang_tc, {0.25, 0, 0.125, ratio = 0, priority = {-1, -1}},
                                       \{0.5, 0, 0.25, \text{ ratio} = 0, \text{ priority} = \{-1, -1\}\})),
                             [8] = logic_if(lang_tc, {0.25, 0, 0.125, ratio = 0, priority = {0, -1}}, {0.5, 0, 0.25, ratio =
                                       0, priority = \{0, -1\}\}),
                             [9] = logic_if(lang_tc, \{0.5, 0, 0.25, \text{ priority} = \{0, -1\}\}, \{0.75, 0, 0.25, \text{ ratio} = 1/3,
199
                                       priority = \{0, -1\}\})
                     }
200
              },
201
              [301] = { -- 兩點類 (行間a)
203
                     chars = logic_if(lang_jp, {}, logic_anif(dir_vt, punc_lg, {':'}, {})),
                     width = 0,
                     height = context_height(),
206
                     depth = context_depth(),
207
                     italic = 0,
208
                     left = logic_if(lang_tc, 0.94, 0.72),
                     down = logic_if(lang_tc, -0.58, -0.34),
210
                     align = 'left'
211
             },
213
              [302] = { -- 兩點類 (行間b)
214
                     chars = logic_if(lang_jp, {}, logic_anif(dir_vt, punc_lg, {';'}, {})),
                     width = 0,
216
                     height = context_height(),
                     depth = context_depth(),
                     italic = 0,
219
                     left = logic_if(lang_tc, 0.96, 0.78),
                     down = logic_if(lang_tc, -0.58, -0.34),
221
```

```
align = 'left'
       },
223
224
       [4] = { -- 小書きの仮名類
225
          chars = {
226
              'あ', 'い', 'う', 'え', 'お', 'つ', 'や', 'ゆ', 'よ', 'わ', 'か',
              'け', 'ゝ', 'ゞ', 'ア', 'イ', 'ウ', 'エ', 'オ', 'ツ', 'ヤ', 'ユ',
              'ヨ', 'ワ', 'カ', 'ケ', 'ヽ', 'ヾ', 'ク', 'シ', 'ス', 'ト', 'ヌ',
229
              'ハ', 'ヒ', 'フ', 'ヘ', 'ホ', 'ム', 'ラ', 'リ', 'ル', 'レ', 'ロ'
          },
231
          width = 1,
          height = context_height(),
          depth = context_depth(),
234
          italic = 0,
          left = 0.
236
          down = 0,
237
          align = 'middle',
          glue = {
239
              [1] = logic_if(lang_tc, {0.25, 0, 0.125, ratio = 1}, {}),
              [2] = logic_if(lang_tc, {0.25, 0, 0.125, ratio = 1}, {}),
              [3] = logic_if(lang_tc, \{0.25, 0, 0.125, \text{ ratio} = 1, \text{ priority} = \{0, -1\}\}, \{\text{priority} = \{0, -1\}\}\},
242
              [7] = \{0.5, 0, 0.25, ratio = 1, priority = \{-1, -2\}\},\
              [9] = \{0.25, 0, 0.125, ratio = 1, priority = \{0, -1\}\}
244
       },
246
247
       [5] = { -- 疑問感嘆類
          chars = { ' ! ', '?', '!! \frac{yS}{15}', '!? \frac{yS}{15}', '?!', '??'},
249
          width = logic_if(dir_vt, 1, logic_if(lang_sc, 0.5, 1)),
250
          height = context_height(),
          depth = context_depth(),
252
          italic = 0,
          left = 0,
          down = 0,
255
          align = logic_if(dir_vt, 'middle', logic_if(lang_sc, 'left', 'middle')),
257
              [0] = logic_if(dir_vt, logic_if(lang_jp, {1, 0, 0.5, ratio = 0, priority = {-1, 0}}, {priority =
                    {-1, 0}}), logic_if(lang_tc, {priority = {-1, 0}}, {0.5, 0, 0.25, ratio = 0, priority =
                   {-1, 0}})),
              [1] = logic_if(lang_tc, {0.25, 0, 0.125, ratio = 1}, logic_anif(not dir_vt, lang_sc, {0.5, 0,
                   0.25, ratio = 0}, {})),
              [2] = logic_if(lang_tc, {0.25, 0, 0.125, ratio = 1}, logic_anif(not dir_vt, lang_sc, {0.5, 0,
                   0.25, ratio = 0}, {})),
              [3] = logic_if(dir_vt, {priority = {-1, -1}}, logic_if(lang_tc, {0.25, 0, 0.125, ratio = 1,
261
                   priority = \{-1, -1\}, \{0.75, 0, 0.25, ratio = 1/3, priority = <math>\{-1, -1\}})),
              [4] = logic_if(dir_vt, logic_if(lang_jp, {1, 0, 0.5, ratio = 0}, {}), logic_if(lang_tc, {}),
                   \{0.5, 0, 0.25, ratio = 0\})),
              [7] = \{0.5, 0, 0.25, ratio = 1, priority = \{-1, -2\}\},\
              [8] = logic_anif(not dir_vt, lang_sc, {0.5, 0, 0.25, ratio = 0}, {}),
264
```

```
[9] = logic_anif(not dir_vt, lang_sc, {0.75, 0, 0.25, ratio = 1/3, priority = {-1, -1}}, {0.25,
                                                                     0, 0.125, \text{ ratio} = 1, \text{ priority} = \{-1, -1\}\}
                                     }
266
                         },
267
268
                         [6] = { -- 分離禁止類
                                      chars = {'-', '-', '...', '...', '...', '/', '\'},
270
                                      width = 1,
271
                                      height = context_height(),
                                      depth = context_depth(),
273
                                      italic = 0,
                                      left = 0,
275
                                      down = 0,
                                      align = 'middle',
                                      kern = {
278
                                                   [6] = 0
                                     },
                                      glue = {
281
                                                   [1] = logic_if(lang_tc, {0.25, 0, 0,125, ratio = 1}, {}),
                                                   [2] = logic_if(lang_tc, {0.25, 0, 0.125, ratio = 1}, {}),
                                                   [3] = logic_if(dir_vt, {priority = {0, -1}}, logic_if(lang_tc, {0.25, 0, 0.125, ratio = 1,
284
                                                                     priority = \{0, -1\}, \{\text{priority} = \{0, -1\}\}\),
                                                   [7] = \{0.5, 0, 0.25, \text{ ratio} = 1, \text{ priority} = \{-1, -2\}\},\
285
                                                   [9] = \{0.25, 0, 0.125, ratio = 1, priority = \{0, -1\}\}
                                      }
287
                         },
288
                         [7] = { -- 開括號類
290
                                      chars = \{ \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ' \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ (', \ ) \ ('
291
                                      width = 0.5,
                                      height = context_height(),
293
                                      depth = context_depth(),
                                      italic = 0,
                                      left = 0,
                                      down = 0,
                                      align = 'right',
                                      glue = {
                                                   [1] = logic_if(lang_tc, {0.25, 0, 0.125, ratio = 1}, {}),
 300
                                                   [2] = logic_if(lang_tc, {0.25, 0, 0.125, ratio = 1}, {}),
                                                   [3] = logic_if(dir_vt, {priority = {0, -1}}, logic_if(lang_tc, {0.25, 0, 0.125, ratio = 1,
                                                                     priority = \{0, -1\}, \{\text{priority} = \{0, -1\}\}\),
                                                   [7] = \{0, 0, 0, \text{ priority } = \{0, 0\}, \text{ kanjiskip\_shrink } = 1\},
                                                   [9] = \{0.25, 0, 0.125, ratio = 1, priority = \{0, -1\}\}
                                      }
 305
                        },
 307
                         [8] = { -- 閉括號類
                                      chars = \{')', \ ')', \ ']', \ '\}', \ '\rangle', \ ']', \ ']', \ ']', \ ']', \ ']', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]'], \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[]', \ '[], \ '[], \ '[], \ '[], \ '[], \ '[], \ '[], \ '[], \ '[], \ '[], \ '[], \ '[], \ '[], \ '
 309
                                     width = 0.5,
310
```

```
height = context_height(),
            depth = context_depth(),
312
            italic = 0,
313
            left = 0,
            down = 0,
315
            align = 'left',
            glue = {
                [0] = \{0.5, 0, 0.25, ratio = 0, priority = \{-1, -2\}\},\
318
                [1] = logic_if(lang_tc, {0.25, 0, 0.125, ratio = 1}, {}),
                [2] = logic_if(lang_tc, {0.25, 0, 0.125, ratio = 1}, {}),
320
                [3] = logic_if(lang_sc, {}, {0.25, 0, 0.125, ratio = 1, priority = {0, -1}}),
321
                [4] = \{0.5, 0, 0.25, ratio = 0, priority = \{0, -2\}\},\
                [5] = \{0.5, 0, 0.25, \text{ ratio} = 0, \text{ priority} = \{0, -2\}\},\
323
                [6] = \{0.5, 0, 0.25, \text{ ratio} = 0, \text{ priroity} = \{-1, -2\}\},\
                [7] = {0.5, 0, 0.25, ratio = 0, priority = {-1, -2}, kanjiskip_stretch = 1},
325
                [8] = \{0, 0, 0, \text{ priority = } \{0, 0\}, \text{ kanjiskip\_shrink = 1}\},
326
                [9] = \{0.25, 0, 0.125, ratio = 1, priority = \{0, -1\}\}
            }
328
       },
330
        [9] = { -- 中點類
331
            chars = logic_if(lang_jp, {' •', ':', ';'}, {' •', '·'}),
            width = 0.5,
333
            height = context_height(),
            depth = context_depth(),
335
            italic = 0,
336
            left = 0,
            down = 0,
338
            align = 'middle',
339
            glue = {
                [0] = \{0.25, 0, 0.125, \text{ ratio} = 0, \text{ priority} = \{-1, -1\}\},\
341
                [1] = logic_if(lang_tc, {0.5, 0, 0.25, priority = {0, -1}}, {0.25, 0, 0.125, ratio = 0, priority
                       = \{0, -1\}\}),
                [2] = logic_if(lang_tc, {0.5, 0, 0.25, priority = {0, -1}}, {0.25, 0, 0.125, ratio = 0, priority
343
                       = \{0, -1\}\}),
                [3] = logic_if(dir_vt, {0.25, 0, 0.125, ratio = 0, priority = {0, -1}}, logic_if(lang_tc, {0.5,
344
                     0, 0.25, \text{ priority} = \{0, -1\}\}, \{0.25, 0, 0.125, \text{ priority} = \{0, -1\}\})),
                [4] = \{0.25, 0, 0.125, ratio = 0, priority = \{0, -1\}\},\
345
                [5] = \{0.25, 0, 0.125, \text{ ratio} = 0, \text{ priority} = \{0, -1\}\},\
                [6] = \{0.25, 0, 0.125, ratio = 0, priority = \{-1, -1\}\},\
                [7] = \{0.25, 0, 0.125, \text{ ratio} = 0, \text{ priority} = \{-1, -1\}\},\
348
                [8] = \{0.25, 0, 0.125, \text{ ratio} = 0, \text{ priority} = \{0, -1\}\},\
                [9] = \{0.5, 0, 0.25, priority = \{0, -1\}\}
            }
351
352
       },
353
        [10] = { -- 行頭
354
            chars = {'boxbdd', 'parbdd'},
355
            glue = {
356
```