

KKsymbols Package Documentation

Kosei Kawaguchi a.k.a. KKT_EX

Version 2.0.1 (2025/01/08)

目次

1 Outline 3

2 Acknowledgements / Credit 4

3 Installation 4

4 Caution 4

5 Updates for LuaTeX-ja v20260107.0 4

6 Commands 4

 6.1 The maru series 5

7 Rotation 6

 7.1 Commands 6

 7.2 Vertical mode 7

8 The seihou series 7

9 The kakko series 8

10 License 9

11 Version History 9

12 Source Code 10

1 Outline

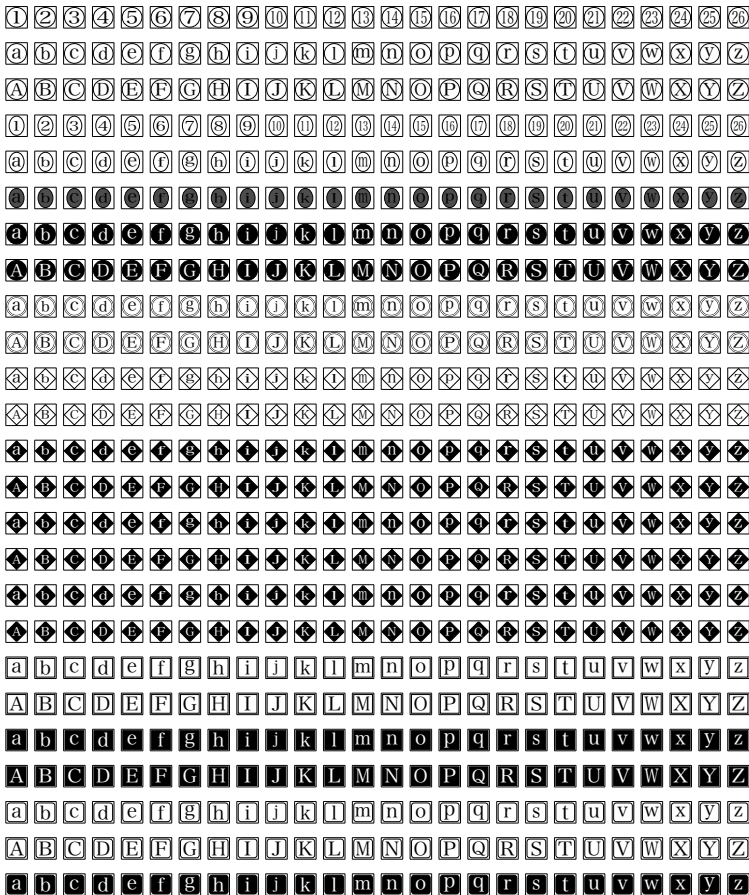
Japanese: このパッケージは、既存の otf フォントに頼ることなく、「任意のフォント、任意の引数で」丸数字などの特殊記号を再現する目的で作成されています。

luatexja-otf における `\ajMaru` などは、その設計上いたしかなないデメリットとして、早見表がないと使い物にならないというものがありません。しかし、本パッケージでは、一から特殊文字を設計し直すという取り組みを行なっているため、そのようなデメリットが解消されています。

English: This package is designed to reproduce special characters, such as circled numbers, using arbitrary fonts and parameters without relying on existing otf font sets.

A known disadvantage of commands like `\ajMaru` in `luatexja-otf` is that they are practically unusable without a reference chart. In contrast, this package addresses this issue by re-engineering special characters from the ground up, eliminating the need for complex lookup tables.

あ あ (あ) あ あ



A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
 a b c d e f g h i j k l m n o p q r s t u v w x y z
 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

2 Acknowledgements / Credit

In developing this package, I made extensive use of the advice I received from Mr. Yusuke Terada.

I recommend you to refer to his article when you develop new-type symbols on \LaTeX .

<https://doratex.hatenablog.jp/entry/20211205/1638697391>

3 Installation

Place `KKsymbols.sty` in a directory where \LaTeX can find it, e.g., your local `texmf` tree or alongside your document.

Dependencies:

- `LuaLaTeX-ja`
- `tikz`
- `clac`

Load the package:

```
\usepackage{KKsymbols}
```

4 Caution

Since this package internally calls `\ltjghostbeforejachar` and `\ltjghostafterjachar`, it can be used only in a LuaLaTeX environment.

5 Updates for LuaTeX-ja v20260107.0

With the update to `luatexja` version 20260107.0, the commands provided by the `KKsymbols` package now behave identically to native Japanese characters. This improvement is due to the bug fixes in `\ltjghostbeforejachar` and `\ltjghostafterjachar`. Previously, when multiple commands from this package were used consecutively, proper glue was not inserted between them; however, this issue has been resolved in this update.

6 Commands

6.1 The maru series

This package provides `\maru`, `\kuromaru`, and `\nmaru`. Each of them takes one mandatory argument and no optional arguments. You can pass strings of any length and in any font as arguments.

In most cases, `\maru{argument}` will meet your demands. However, only when you take lower-case alphabet in these commands, you must use star-command just like `\maru*{m}`¹⁾.

Input
Mind the star option!

```

1 % Normal Characters
2 \maru{A}\maru{あ}\maru{QED.}
3
4 % Lowercase Alphabetic Characters
5 \maru*{a}\maru*{j}\maru*{z}
```

Output



They are used as follows.

表 1: maru series

argument	<code>\maru</code>	<code>\kuromaru</code>	<code>\nmaru</code>	<code>\jegg</code>	<code>\jegg*</code>
1	①	❶	①	①	❶
97	⑨⑦	❹⑦	⑨⑦	⑨⑦	❹⑦
だ	㊦	❸㊦	㊦	㊦	❸㊦
ばばば	㊲㊲㊲	❷㊲㊲㊲	㊲㊲㊲	㊲㊲㊲	❷㊲㊲㊲
m	㊴	❹	㊴	㊴	❹
Qjg	㊵㊴	❹㊵	㊵㊴	㊵㊴	❹㊵

They behave as if they were single kanji or hiragana characters:

あいう㊵あいう①②③あいうえお

The spacing between `\maru` and other characters is adjusted using `\ltjghostbeforejachar` and `\ltjghostafterjachar` so that it behaves like hiragana or kanji.

1) `\jegg` is an exception of this rule. When you use `\jegg`, you don't have to put the star option no matter the argument is lowercase or not. If you do it, the background color of the `\jegg` changes into gray. Only in this case, the effect of the option is different.

When changing the font size using commands such as `\Large`, each command is scaled proportionally according to the font size change:



You can also change the current font:



7 Rotation

7.1 Commands

This package provides `\RotTate` and `\RotYoko`. The differences are as follows:

In horizontal mode You should use `\RotYoko`. The default value is 0. Therefore, if you use `\RotYoko` with no arguments, this is equal to `\RotYoko[0]`

In vertical mode You should use `\RotTate`. The default value is 90. Therefore, if you use `\RotTate` with no arguments, this is equal to `\RotTate[90]`

From a technical perspective: Commands like `\maru` provided by this package automatically rotate their arguments based on the “current typesetting direction” Specifically, the package applies a 0-degree rotation for horizontal writing (yoko-gaki) and a 90-degree rotation for vertical writing (tate-gaki).

The commands `\RotYoko` and `\RotTate` redefine this “automatic rotation angle” to the value specified in their arguments. Consequently, the effect is persistent unless localized (similar to how font-size commands like `\small` behave). Therefore, please ensure you use appropriate scoping, such as enclosing the command within curly braces `{...}`, when applying these settings.

Input

```
1 % In horizontal mode
2 {\RotYoko[45]\kakko{あ}\kakko{い}\kakko{う}}\par
3 {\RotYoko[60]\kakko{1}\kakko{2}\kakko{3}}
4
5 % In vertical mode
6 \parbox<t>{5\zw}{% <t> option requires lltjext package.
7   {\RotTate[45]\kakko{あ}\kakko{い}\kakko{う}}\par
8   {\RotTate[60]\kakko{1}\kakko{2}\kakko{3}}
9 }
```

Output

```

(㊦)(㊧)(㊨)
(㊩)(㊪)(㊫)

(1) (㊦)
(2) (㊧)
(3) (㊨)

```

7.2 Vertical mode

When you want to typeset ㊦, for instance, in vertical mode, you should use `\RotTate` command. As described in the previous subsection, the effect of `\RotTate` lasts, when localized, in a certain group. So when you typeset hiragana or kanji, use it like this:

Input

```

1 % In vertical mode
2 \parbox<t>{5\zw}{%
3   {\RotTate[0]\kakko{あ}\kakko{い}\kakko{う}}\par
4   \kakko{1}\kakko{1}\kakko{3}
5 }

```

Output

```

(1) (あ)
(1) (い)
(3) (う)

```

8 The seihou series

The commands introduced below are used in exactly the same way as the maru series. In most cases, `\seihou{argument}` will meet your demands. However, only when you take lowercase alphabet in these commands, you must use star-command just like `\seihou*{m}`.

表 2: seihou series



















































argument	\seihou	\kuroseihou	\seimaru	\kuroseimaru
1				
97				
だ				
ぱぱぱ				
m				
Qjg				

表 3: hishi series

argument	\hishi	\kurohishi	\maruhishi	\kuomaruhishi
1				
97				
だ				
ぱぱぱ				
m				
Qjg				

Input	Mind the star option!
<pre> 1 % Normal Characters 2 \seihou{A}\seihou{あ}\seihou{QED.} 3 4 % Lowercase Alphabetic Characters 5 \seihou*{a}\seihou*{j}\seihou*{z} </pre>	
Output	
 	

9 The kakko series

The commands introduced below are used in exactly the same way as the maru series.

In most cases, `\kakko{argument}` will meet your demands. However, only when you take lowercase alphabet in these commands, you must use star-command just like `\kakko*{m}`.

表 4: kakko series ①

argument	\kakko	\sumikakko	\kakukakko	\kikakko	\yakko
1	(1)	【1】	[1]	〔1〕	⟨1⟩
97	⑨7	㊦7	㊿7	㊹7	㊻7
だ	㇪	㇪	㇪	㇪	㇪
ぼばぼ	ㇰㇰㇰ	ㇰㇰㇰ	ㇰㇰㇰ	ㇰㇰㇰ	ㇰㇰㇰ
m	ㇰ	ㇰ	ㇰ	ㇰ	ㇰ
Qjg	ㇰㇰㇰ	ㇰㇰㇰ	ㇰㇰㇰ	ㇰㇰㇰ	ㇰㇰㇰ

表 5: kakko series ②

argument	\nykakko	\namikakko	\kagikakko	\nkagikakko	\period	\ichimoji
1	⟨1⟩	{1}	「1」	『1』	1.	1
97	⑨7	㊦7	㊿7	㊹7	97.	97
だ	㇪	㇪	㇪	㇪	だ.	だ
ぼばぼ	ㇰㇰㇰ	ㇰㇰㇰ	ㇰㇰㇰ	ㇰㇰㇰ	ㇰㇰㇰ.	ㇰㇰㇰ
m	ㇰ	ㇰ	ㇰ	ㇰ	m.	m
Qjg	ㇰㇰㇰ	ㇰㇰㇰ	ㇰㇰㇰ	ㇰㇰㇰ	Qjg.	Qjg

Input	Mind the star option!
<pre> 1 % Normal Characters 2 \kakko{A}\kakko{あ}\kakko{QED.} 3 4 % Lowercase Alphabetic Characters 5 \kakko*{a}\kakko*{j}\kakko*{z} </pre>	
Output	
<pre> (A)(あ)(QED) (a)(j)(z) </pre>	

10 License

Released under the MIT License.

11 Version History

- v1.0.0 (2025/10/03) — Initial public release.
- v1.0.1–1.0.4 — Added \ichimoji; fixed various bugs.

- v1.1.0 (2025/10/28) — Unified all commands to zenkaku (full-width).
- v1.1.1 (2025/11/10) — Refined \ichimoji scaling logic.
- v2.0.0 (2025/12/23) — Overhauled scaling to match OTF character quality.
- v2.0.1 (2025/01/08) — Added explanations regarding several important notes. In addition, the manual has been updated to reflect bug fixes introduced in luatexja version 20260107.0.

12 Source Code

```

\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{KKsymbols}[2025/01/08, Version 2.0.1]
\RequirePackage{luatexja-adjust}
\RequirePackage{expl3}
\RequirePackage{calc}
\RequirePackage{tikz}
\usetikzlibrary{shapes}

\DeclareRobustCommand{\maru}{%
  \ifstar{\maru@new@no}{\maru@new}%
}

\DeclareRobustCommand{\kuromaru}{%
  \ifstar{\kuromaru@new@no}{\kuromaru@new}%
}

\DeclareRobustCommand{\nmaru}{%
  \ifstar{\nmaru@new@no}{\nmaru@new}%
}

\DeclareRobustCommand{\jegg}{%
  \ifstar{\jegg@new@black}{\jegg@new}%
}

\DeclareRobustCommand{\seihou}{%
  \ifstar{\seihou@new@no}{\seihou@new}%
}

\DeclareRobustCommand{\kuroseihou}{%
  \ifstar{\kuroseihou@new@no}{\kuroseihou@new}%
}

\DeclareRobustCommand{\seimaru}{%
  \ifstar{\seimaru@new@no}{\seimaru@new}%
}

\DeclareRobustCommand{\kuroseimaru}{%
  \ifstar{\kuroseimaru@new@no}{\kuroseimaru@new}%
}

```

```

\DeclareRobustCommand{\hishi}{%
  \ifstar{\hishi@new@no}{\hishi@new}%
}

\DeclareRobustCommand{\kurohishi}{%
  \ifstar{\kurohishi@new@no}{\kurohishi@new}%
}

\DeclareRobustCommand{\maruhishi}{%
  \ifstar{\kurohishi@new@no}{\kurohishi@new}%
}

\DeclareRobustCommand{\kuromaruhishi}{%
  \ifstar{\kuromaruhishi@new@no}{\kuromaruhishi@new}%
}

\DeclareRobustCommand{\ichimoji}{%
  \ifstar{\ichimoji@new@no}{\ichimoji@new}%
}

\DeclareRobustCommand{\kakko@y@internal}[1]{\kakko@byouga@internal{ }{ }{#1}}
\DeclareRobustCommand{\kakko@y@internal@no}[1]{\kakko@byouga@internal@no{ }{ }{#1}}
\DeclareRobustCommand{\kakko@t@internal}[1]{\kakko@byouga@internal@tate{ }{ }{#1}}
\DeclareRobustCommand{\kakko@t@internal@no}[1]{\kakko@byouga@internal@tate@no{ }{ }{#1}}
\DeclareRobustCommand{\kakko}{%
  \ifstar{\kakko@star}{\kakko@nostar}%
}
\newcommand{\kakko@star}[1]{%
  \ifnum\ltjgetparameter{direction}=3\relax
    \kakko@t@internal@no{#1}%
  \else
    \kakko@y@internal@no{#1}%
  \fi
}
\newcommand{\kakko@nostar}[1]{%
  \ifnum\ltjgetparameter{direction}=3\relax
    \kakko@t@internal{#1}%
  \else
    \kakko@y@internal{#1}%
  \fi
}

\DeclareRobustCommand{\sumikakko@y@internal}[1]{\kakko@byouga@internal{ }{ }{#1}}
\DeclareRobustCommand{\sumikakko@y@internal@no}[1]{\kakko@byouga@internal@no{ }{ }{#1}}
\DeclareRobustCommand{\sumikakko@t@internal}[1]{\kakko@byouga@internal@tate{ }{ }{#1}}
\DeclareRobustCommand{\sumikakko@t@internal@no}[1]{\kakko@byouga@internal@tate@no{ }{ }{#1}}
\DeclareRobustCommand{\sumikakko}{%
  \ifstar{\sumikakko@star}{\sumikakko@nostar}%
}

```

```

\newcommand{\sumikakko@star}[1]{%
  \ifnum\ltjgetparameter{direction}=3\relax
    \sumikakko@t@internal@no{#1}%
  \else
    \sumikakko@y@internal@no{#1}%
  \fi
}
\newcommand{\sumikakko@nostar}[1]{%
  \ifnum\ltjgetparameter{direction}=3\relax
    \sumikakko@t@internal{#1}%
  \else
    \sumikakko@y@internal{#1}%
  \fi
}

\DeclareRobustCommand{\kakukakko@y@internal}[1]{\kakko@byouga@internal{ }{ }{#1}}
\DeclareRobustCommand{\kakukakko@y@internal@no}[1]{\kakko@byouga@internal@no{ }{ }{#1}}
\DeclareRobustCommand{\kakukakko@t@internal}[1]{\kakko@byouga@internal@tate{ }{ }{#1}}
\DeclareRobustCommand{\kakukakko@t@internal@no}[1]{\kakko@byouga@internal@tate@no{ }{ }{#1}}
\DeclareRobustCommand{\kakukakko}{%
  \@ifstar{\kakukakko@star}{\kakukakko@nostar}%
}
\newcommand{\kakukakko@star}[1]{%
  \ifnum\ltjgetparameter{direction}=3\relax
    \kakukakko@t@internal@no{#1}%
  \else
    \kakukakko@y@internal@no{#1}%
  \fi
}
\newcommand{\kakukakko@nostar}[1]{%
  \ifnum\ltjgetparameter{direction}=3\relax
    \kakukakko@t@internal{#1}%
  \else
    \kakukakko@y@internal{#1}%
  \fi
}

\DeclareRobustCommand{\kikakko@y@internal}[1]{\kakko@byouga@internal{ }{ }{#1}}
\DeclareRobustCommand{\kikakko@y@internal@no}[1]{\kakko@byouga@internal@no{ }{ }{#1}}
\DeclareRobustCommand{\kikakko@t@internal}[1]{\kakko@byouga@internal@tate{ }{ }{#1}}
\DeclareRobustCommand{\kikakko@t@internal@no}[1]{\kakko@byouga@internal@tate@no{ }{ }{#1}}
\DeclareRobustCommand{\kikakko}{%
  \@ifstar{\kikakko@star}{\kikakko@nostar}%
}
\newcommand{\kikakko@star}[1]{%
  \ifnum\ltjgetparameter{direction}=3\relax
    \kikakko@t@internal@no{#1}%
  \else
    \kikakko@y@internal@no{#1}%
  \fi
}

```

```

}
\newcommand{\kikakko@nostar}[1]{%
  \ifnum\ltjgetparameter{direction}=3\relax
    \kikakko@t@internal{#1}%
  \else
    \kikakko@y@internal{#1}%
  \fi
}

\DeclareRobustCommand{\yakko@y@internal}[1]{\kakko@byouga@internal{ < }{ } }{#1}}
\DeclareRobustCommand{\yakko@y@internal@no}[1]{\kakko@byouga@internal@no{ < }{ } }{#1}}
\DeclareRobustCommand{\yakko@t@internal}[1]{\kakko@byouga@internal@tate{ < }{ } }{#1}}
\DeclareRobustCommand{\yakko@t@internal@no}[1]{\kakko@byouga@internal@tate@no{ < }{ } }{#1}}
\DeclareRobustCommand{\yakko}{%
  \@ifstar{\yakko@star}{\yakko@nostar}%
}
\newcommand{\yakko@star}[1]{%
  \ifnum\ltjgetparameter{direction}=3\relax
    \yakko@t@internal@no{#1}%
  \else
    \yakko@y@internal@no{#1}%
  \fi
}
\newcommand{\yakko@nostar}[1]{%
  \ifnum\ltjgetparameter{direction}=3\relax
    \yakko@t@internal{#1}%
  \else
    \yakko@y@internal{#1}%
  \fi
}

\DeclareRobustCommand{\nykakko@y@internal}[1]{\kakko@byouga@internal{ < }{ } }{#1}}
\DeclareRobustCommand{\nykakko@y@internal@no}[1]{\kakko@byouga@internal@no{ < }{ } }{#1}}
\DeclareRobustCommand{\nykakko@t@internal}[1]{\kakko@byouga@internal@tate{ < }{ } }{#1}}
\DeclareRobustCommand{\nykakko@t@internal@no}[1]{\kakko@byouga@internal@tate@no{ < }{ } }{#1}}
\DeclareRobustCommand{\nykakko}{%
  \@ifstar{\nykakko@star}{\nykakko@nostar}%
}
\newcommand{\nykakko@star}[1]{%
  \ifnum\ltjgetparameter{direction}=3\relax
    \nykakko@t@internal@no{#1}%
  \else
    \nykakko@y@internal@no{#1}%
  \fi
}
\newcommand{\nykakko@nostar}[1]{%
  \ifnum\ltjgetparameter{direction}=3\relax
    \nykakko@t@internal{#1}%
  \else
    \nykakko@y@internal{#1}%

```

```

\fi
}

\DeclareRobustCommand{\namikakko@y@internal}[1]{\kakko@byouga@internal{ }{ } }{#1}}
\DeclareRobustCommand{\namikakko@y@internal@no}[1]{\kakko@byouga@internal@no{ }{ } }{#1}}
\DeclareRobustCommand{\namikakko@t@internal}[1]{\kakko@byouga@internal@tate{ }{ } }{#1}}
\DeclareRobustCommand{\namikakko@t@internal@no}[1]{\kakko@byouga@internal@tate@no{ }{ } }{#1}}
\DeclareRobustCommand{\namikakko}{%
  \@ifstar{\namikakko@star}{\namikakko@nostar}%
}
\newcommand{\namikakko@star}[1]{%
  \ifnum\ltjgetparameter{direction}=3\relax
    \namikakko@t@internal@no{#1}%
  \else
    \namikakko@y@internal@no{#1}%
  \fi
}
\newcommand{\namikakko@nostar}[1]{%
  \ifnum\ltjgetparameter{direction}=3\relax
    \namikakko@t@internal{#1}%
  \else
    \namikakko@y@internal{#1}%
  \fi
}

\DeclareRobustCommand{\kagikakko@y@internal}[1]{\kakko@byouga@internal{ 「」 }{#1}}
\DeclareRobustCommand{\kagikakko@y@internal@no}[1]{\kakko@byouga@internal@no{ 「」 }{#1}}
\DeclareRobustCommand{\kagikakko@t@internal}[1]{\kakko@byouga@internal@tate{ 「」 }{#1}}
\DeclareRobustCommand{\kagikakko@t@internal@no}[1]{\kakko@byouga@internal@tate@no{ 「」 }{#1}}
\DeclareRobustCommand{\kagikakko}{%
  \@ifstar{\kagikakko@star}{\kagikakko@nostar}%
}
\newcommand{\kagikakko@star}[1]{%
  \ifnum\ltjgetparameter{direction}=3\relax
    \kagikakko@t@internal@no{#1}%
  \else
    \kagikakko@y@internal@no{#1}%
  \fi
}
\newcommand{\kagikakko@nostar}[1]{%
  \ifnum\ltjgetparameter{direction}=3\relax
    \kagikakko@t@internal{#1}%
  \else
    \kagikakko@y@internal{#1}%
  \fi
}

\DeclareRobustCommand{\nkagikakko@y@internal}[1]{\kakko@byouga@internal{ 『』 }{#1}}
\DeclareRobustCommand{\nkagikakko@y@internal@no}[1]{\kakko@byouga@internal@no{ 『』 }{#1}}
\DeclareRobustCommand{\nkagikakko@t@internal}[1]{\kakko@byouga@internal@tate{ 『』 }{#1}}

```

```

\DeclareRobustCommand{\nkagikakko@t@internal@no}[1]{\kakko@byouga@internal@tate@no{『}{』}
}{#1}}
\DeclareRobustCommand{\nkagikakko}{%
  \@ifstar{\nkagikakko@star}{\nkagikakko@nostar}%
}
\newcommand{\nkagikakko@star}[1]{%
  \ifnum\ltjgetparameter{direction}=3\relax
    \nkagikakko@t@internal@no{#1}%
  \else
    \nkagikakko@y@internal@no{#1}%
  \fi
}
\newcommand{\nkagikakko@nostar}[1]{%
  \ifnum\ltjgetparameter{direction}=3\relax
    \nkagikakko@t@internal{#1}%
  \else
    \nkagikakko@y@internal{#1}%
  \fi
}

\DeclareRobustCommand{\period@y@internal}[1]{\kakko@byouga@internal{\relax}{.}{#1}}
\DeclareRobustCommand{\period@y@internal@no}[1]{\kakko@byouga@internal@no{\relax}{.}{#1}}
\DeclareRobustCommand{\period@t@internal}[1]{\kakko@byouga@internal@tate{\relax}{.}{#1}}
\DeclareRobustCommand{\period@t@internal@no}[1]{\kakko@byouga@internal@tate@no{\relax}{.}{#1}}
\DeclareRobustCommand{\period}{%
  \@ifstar{\period@star}{\period@nostar}%
}
\newcommand{\period@star}[1]{%
  \ifnum\ltjgetparameter{direction}=3\relax
    \period@t@internal@no{#1}%
  \else
    \period@y@internal@no{#1}%
  \fi
}
\newcommand{\period@nostar}[1]{%
  \ifnum\ltjgetparameter{direction}=3\relax
    \period@t@internal{#1}%
  \else
    \period@y@internal{#1}%
  \fi
}

% 全体で使用
\NewDocumentCommand{\shukushou@adj@new}{ m m m }{%
  \ifdim #1 < #2%
    \resizebox*{\width}{#2}{#3}%
  \else%
    \resizebox*{#2}{#2}{#3}%
  \fi
}

```

```

\fi%
}
\NewDocumentCommand{\shukushou@adj@new@no}{ m m m }{%
\ifdim #1 < #2%
#3%
\else%
\resizebox*{!}{#2}{#3}%
\fi%
}
\NewDocumentCommand{\RotYoko}{0{0}}{%
\def\KKsymbolsRot@val@y{#1}%
}
\NewDocumentCommand{\RotTate}{0{90}}{%
\def\KKsymbolsRot@val@t{#1}%
}
\def\KKsymbolsRot@val@t{90}
\def\KKsymbolsRot@val@y{0}
\NewDocumentCommand{\rot@or@not@kksym}{-}{%
\ifnum\ltjgetparameter{direction}=3
\def\rot@kksym@tateyoko{\KKsymbolsRot@val@t}%
\else
\def\rot@kksym@tateyoko{\KKsymbolsRot@val@y}%
\fi
}
%%

% \maru
\NewDocumentCommand{\vertical@adj@maru@new}{-}{%
\ifnum\ltjgetparameter{direction}=3
-.5\zw%
\else
-.12\zw%
\fi
}
\newlength{\maru@boxwidth@new}
\newlength{\maru@boxwidth@inner}
\newlength{\maru@var@yokohaba}
\newlength{\maru@var@yokohaba@cal}
\newlength{\maru@var@tate}
\newlength{\maru@var@fuka}
\newlength{\maru@var@zenkou}

\NewDocumentCommand{\shukushou@adj@new@no@maru}{ m m m m }{%
\ifdim #1 < #2%
\ifdim #3 > #2%
\resizebox*{#3}{!}{#4}%
\else%
\scalebox{.9}{#4}%
\fi%
}

```



```

\else%
\resizebox*{!}{#2}{#4}%
\fi%
}

\DeclareRobustCommand{\maru@new}[1]{%
\rot@or@not@kksym%
\setlength{\maru@boxwidth@new}{\zw}%
\settowidth{\maru@var@yokohaba}{#1}%
\pgfmithsetlength{\maru@boxwidth@inner}{0.87 * \maru@boxwidth@new / sqrt(2)}%
\leavevmode%
\ltjghostbeforejachar%
\hbox to \maru@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\vbox to \maru@boxwidth@new{%
\vss%
\hbox to \maru@boxwidth@new{%
\hss%
\tikz[baseline=(char.base)]{%
\node[
shape=circle,
line width=.04\maru@boxwidth@new,
minimum size=.9\maru@boxwidth@new,
draw,
inner sep=.02\maru@boxwidth@new,
rotate=\rot@kksym@tateyoko
] (char){%
\vbox to \maru@boxwidth@inner{%
\vss%
\hbox to \maru@boxwidth@inner{%
\hss%
\shukushou@adj@new{\maru@var@yokohaba}{\maru@boxwidth@inner}{#1}%
\hss%
}%
\vss%
}%
}%
}%
\hss%
}%
\vss%
}%
}%
}%
\ltjghostafterjachar%
}

\DeclareRobustCommand{\maru@new@no}[1]{%
\rot@or@not@kksym%
\setlength{\maru@boxwidth@new}{\zw}%
\settowidth{\maru@var@yokohaba}{#1}%

```

```

\settoheight{\maru@var@tate}{#1}%
\settodepth{\maru@var@fuka}{#1}%
\pgfmithsetlength{\maru@var@zenkou}{\maru@var@tate + \maru@var@fuka}%
\pgfmithsetlength{\maru@var@yokohaba@cal}{0.85 * \maru@var@yokohaba}%
\pgfmithsetlength{\maru@boxwidth@inner}{0.87 * \maru@boxwidth@new / sqrt(2)}%
\leavevmode%
\ltjghostbeforejachar%
\hbox to \maru@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\ vbox to \maru@boxwidth@new{%
\vss%
\hbox to \maru@boxwidth@new{%
\hss%
\tikz[baseline=(char.base)]{%
\node[
shape=circle,
line width=.04\maru@boxwidth@new,
minimum size=.9\maru@boxwidth@new,
draw,
inner sep=.02\maru@boxwidth@new,
rotate=\rot@kksym@tateyoko
] (char){%
\ vbox to \maru@boxwidth@inner{%
\vss%
\hbox to \maru@boxwidth@inner{%
\hss%
\shukushou@adj@new@no@maru{\maru@var@zenkou}{\maru@boxwidth@inner}{\
maru@var@yokohaba@cal}{#1}%
\hss%
}%
\vss%
}%
};
}%
\hss%
}%
\vss%
}%
}%
}%
\ltjghostafterjachar%
}

\DeclareRobustCommand{\kuromaru@new}[1]{%
\rot@or@not@kksym%
\setlength{\maru@boxwidth@new}{\zw}%
\settowidth{\maru@var@yokohaba}{#1}%
\pgfmithsetlength{\maru@boxwidth@inner}{0.87 * \maru@boxwidth@new / sqrt(2)}%
\leavevmode%

```

```

\ltjghostbeforejachar%
\hbox to \maru@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\vbox to \maru@boxwidth@new{%
\vss%
\hbox to \maru@boxwidth@new{%
\hss%
\tikz[baseline=(char.base)]{%
\node[
shape=circle,
fill=black,%%
line width=.04\maru@boxwidth@new,
minimum size=.9\maru@boxwidth@new,
draw,
inner sep=.02\maru@boxwidth@new,
rotate=\rot@kksym@tateyoko
] (char){%
\vbox to \maru@boxwidth@inner{%
\vss%
\hbox to \maru@boxwidth@inner{%
\hss%
\shukushou@adj@new{\maru@var@yokohaba}{\maru@boxwidth@inner}{%
\textcolor{white}{#1}}%
\hss%
}%
\vss%
}%
}%
\hss%
}%
}%
\hss%
}%
\ltjghostafterjachar%
}
\DeclareRobustCommand{\kuromaru@new@no}[1]{%
\rot@or@not@kksym%
\setlength{\maru@boxwidth@new}{\zw}%
\settowidth{\maru@var@yokohaba}{#1}%
\settoheight{\maru@var@tate}{#1}%
\settodepth{\maru@var@fuka}{#1}%
\pgfmithsetlength{\maru@var@zenkou}{\maru@var@tate + \maru@var@fuka}%
\pgfmithsetlength{\maru@var@yokohaba@cal}{0.85 * \maru@var@yokohaba}%
\pgfmithsetlength{\maru@boxwidth@inner}{0.87 * \maru@boxwidth@new / sqrt(2)}%
\leavevmode%
\ltjghostbeforejachar%
\hbox to \maru@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%

```

```

\ vbox to \ maru@boxwidth@new{%
\vss%
\ hbox to \ maru@boxwidth@new{%
\ hss%
\ tikz[baseline=(char.base)]{%
\ node[
  shape=circle,
  fill=black,%%
  line width=.04\ maru@boxwidth@new,
  minimum size=.9\ maru@boxwidth@new,
  draw,
  inner sep=.02\ maru@boxwidth@new,
  rotate=\ rot@kksym@tateyoko
] (char){%
\ vbox to \ maru@boxwidth@inner{
\ vss%
\ hbox to \ maru@boxwidth@inner{%
\ hss%
\ shukushou@adj@new@no@maru{\ maru@var@zenkou}{\ maru@boxwidth@inner}{\
  maru@var@yokohaba@cal}{%
\ textcolor{white}{\ #1}}%
\ hss%
}%
\ vss%
}%
};
}%
\ hss%
}%
\vss%
}%
}%
}%
\ ltjghostafterjachar%
}

\ DeclareRobustCommand{\ nmaru@new}[1]{%
\ rot@or@not@kksym%
\ setlength{\ maru@boxwidth@new}{\ zw}%
\ settowidth{\ maru@var@yokohaba}{\ #1}%
\ pgfmathsetlength{\ maru@boxwidth@inner}{0.85 * \ maru@boxwidth@new / sqrt(2)}%
\ leavevmode%
\ ltjghostbeforejachar%
\ hbox to \ maru@boxwidth@new{%
\ raisebox{\ vertical@adj@maru@new}{%
\ vbox to \ maru@boxwidth@new{%
\ vss%
\ hbox to \ maru@boxwidth@new{%
\ hss%

```

```

\tikz[baseline=(char.base)]{%
  \node[
    shape=circle,
    line width=.03\maru@boxwidth@new,
    minimum size=.88\maru@boxwidth@new,
    draw, double, double distance=.03\zw,%%
    inner sep=.06\maru@boxwidth@new,
    rotate=\rot@kksym@tateyoko,
    scale=.87
  ] (char){%
    \vbox to \maru@boxwidth@inner{
      \vss%
      \hbox to \maru@boxwidth@inner{%
        \hss%
        \shukushou@adj@new{\maru@var@yokohaba}{\maru@boxwidth@inner}{#1}%
        \hss%
      }%
    }%
    \vss%
  }%
};
}%
\hss%
}%
\vss%
}%
}%
}%
\ltjghostafterjachar%
}
\DeclareRobustCommand{\nmaru@new@no}[1]{%
  \rot@or@not@kksym%
  \setlength{\maru@boxwidth@new}{\zw}%
  \settowidth{\maru@var@yokohaba}{#1}%
  \settoheight{\maru@var@tate}{#1}%
  \settodepth{\maru@var@fuka}{#1}%
  \pgfmithsetlength{\maru@var@zenkou}{\maru@var@tate + \maru@var@fuka}%
  \pgfmithsetlength{\maru@var@yokohaba@cal}{0.85 * \maru@var@yokohaba}%
  \pgfmithsetlength{\maru@boxwidth@inner}{0.82 * \maru@boxwidth@new / sqrt(2)}%
  \leavevmode%
  \ltjghostbeforejachar%
  \hbox to \maru@boxwidth@new{%
    \raisebox{\vertical@adj@maru@new}{%
      \vbox to \maru@boxwidth@new{%
        \vss%
        \hbox to \maru@boxwidth@new{%
          \hss%
          \tikz[baseline=(char.base)]{%
            \node[
              shape=circle,
              line width=.03\maru@boxwidth@new,

```

```

        minimum size=.88\maru@boxwidth@new,
        draw, double, double distance=.03\zw,%%
        inner sep=.06\maru@boxwidth@new,
        rotate=\rot@kksym@tateyoko,
        scale=.9
    ] (char){%
\ vbox to \maru@boxwidth@inner{%
    \vss%
    \ hbox to \maru@boxwidth@inner{%
        \hss%
        \shukushou@adj@new@no@maru{\maru@var@zenkou}{\maru@boxwidth@inner}{\
            maru@var@yokohaba@cal}{#1}%
        \hss%
    }%
    \vss%
}%
};
}%
\hss%
}%
\vss%
}%
}%
}%
\ltjghostafterjachar%
}

\newlength{\jegg@boxwidth@inner@cal}%%
\DeclareRobustCommand{\jegg@new}[1]{%
    \rot@or@not@kksym%
    \setlength{\maru@boxwidth@new}{\zw}%
    \settowidth{\maru@var@yokohaba}{#1}%
    \pgfmithsetlength{\maru@boxwidth@inner}{0.87 * \maru@boxwidth@new / sqrt(2)}%
    \pgfmithsetlength{\jegg@boxwidth@inner@cal}{0.77 * \maru@boxwidth@inner}%%
    \leavevmode%
    \ltjghostbeforejachar%
    \ hbox to \maru@boxwidth@new{%
        \raisebox{\vertical@adj@maru@new}{%
            \ vbox to \maru@boxwidth@new{%
                \vss%
                \ hbox to \maru@boxwidth@new{%
                    \hss%
                    \tikz[baseline=(char.base)]{%
                        \node[
                            shape=ellipse,
                            line width=.04\maru@boxwidth@new,
                            minimum height=.9\maru@boxwidth@new,
                            minimum width=.7\maru@boxwidth@new,
                            draw,

```

```

        inner sep=0\maru@boxwidth@new,
        rotate=\rot@kksym@tateyoko
    ] (char){%
\ vbox to \maru@boxwidth@inner{
    \vss%
    \ hbox to \jegg@boxwidth@inner@cal{%
    \hss%
        \shukushou@adj@new{\maru@var@yokohaba}{\jegg@boxwidth@inner@cal}{#1}%
    \hss%
    }%
    \vss%
}%
};
}%
\hss%
}%
\vss%
}%
}%
}%
\ltjghostafterjachar%
}
\DeclareRobustCommand{\jegg@new@black}[1]{%
    \rot@or@not@kksym%
    \setlength{\maru@boxwidth@new}{\zw}%
    \settowidth{\maru@var@yokohaba}{#1}%
    \pgfmithsetlength{\maru@boxwidth@inner}{0.87 * \maru@boxwidth@new / sqrt(2)}%
    \pgfmithsetlength{\jegg@boxwidth@inner@cal}{0.77 * \maru@boxwidth@inner}%%
    \leavevmode%
    \ltjghostbeforejachar%
    \ hbox to \maru@boxwidth@new{%
    \raisebox{\vertical@adj@maru@new}{%
    \ vbox to \maru@boxwidth@new{%
    \vss%
    \ hbox to \maru@boxwidth@new{%
    \hss%
    \tikz[baseline=(char.base)]{%
        \node[
            shape=ellipse,
            line width=.04\maru@boxwidth@new,
            minimum height=.9\maru@boxwidth@new,
            minimum width=.7\maru@boxwidth@new,
            draw,
            fill=black!70,
            inner sep=0\maru@boxwidth@new,
            rotate=\rot@kksym@tateyoko
        ] (char){%
\ vbox to \maru@boxwidth@inner{
    \vss%
    \ hbox to \jegg@boxwidth@inner@cal{%

```

```

\hss%
\shukushou@adj@new{\maru@var@yokohaba}{\jegg@boxwidth@inner@cal}{#1}%
\hss%
}%
\vss%
}%
};
}%
\hss%
}%
\vss%
}%
}%
}%
\ltjghostafterjachar%
}
%%

% \seihou
\NewDocumentCommand{\vertical@adj@seihou@new}{}{%
\ifnum\ltjgetparameter{direction}=3
-.5\zw%
\else
-.12\zw%
\fi
}
\newlength{\seihou@boxwidth@new}
\newlength{\seihou@boxwidth@inner}
\newlength{\seihou@var@yokohaba@cal}
\newlength{\seihou@var@yokohaba}
\newlength{\seihou@var@tate}
\newlength{\seihou@var@fuka}
\newlength{\seihou@var@zenkou}

\NewDocumentCommand{\shukushou@adj@new@no@seihou}{ m m m m }{%
\ifdim #1 < #2%
\ifdim #3 > #2%
\resizebox*{#3}{!}{#4}%
\else%
\scalebox{.9}{#4}%
\fi%
\else%
\resizebox*{!}{#2}{#4}%
\fi%
}

\DeclareRobustCommand{\seihou@new}[1]{%
\rot@or@not@kksym%
\setlength{\seihou@boxwidth@new}{\zw}%

```



```

\settowidth{\seihou@var@yokohaba}{\#1}%
\pgfmithsetlength{\seihou@boxwidth@inner}{0.68 * \seihou@boxwidth@new}%
\leavevmode%
\ltjghostbeforejachar%
\hbox to \seihou@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\vbox to \seihou@boxwidth@new{%
\vss%
\hbox to \seihou@boxwidth@new{%
\hss%
\tikz[baseline=(char.base)]{%
\node[
line width=.04\seihou@boxwidth@new,
minimum size=.85\seihou@boxwidth@new,
draw,
inner sep=.1\seihou@boxwidth@new,
rotate=\rot@kksym@tateyoko
] (char){%
\vbox to \seihou@boxwidth@inner{%
\vss%
\hbox to \seihou@boxwidth@inner{%
\hss%
\shukushou@adj@new{\seihou@var@yokohaba}{\seihou@boxwidth@inner}{\#1}%
\hss%
}%
\vss%
}%
}%
}%
\hss%
}%
\vss%
}%
}%
\ltjghostafterjachar%
}
\DeclareRobustCommand{\seihou@new@no}[1]{%
\rot@or@not@kksym%
\setlength{\seihou@boxwidth@new}{\zw}%
\settowidth{\seihou@var@yokohaba}{\#1}%
\settoheight{\seihou@var@tate}{\#1}%
\settodepth{\seihou@var@fuka}{\#1}%
\pgfmithsetlength{\seihou@var@zenkou}{\seihou@var@tate + \seihou@var@fuka}%
\pgfmithsetlength{\seihou@var@yokohaba@cal}{0.85 * \seihou@var@yokohaba}%
\pgfmithsetlength{\seihou@boxwidth@inner}{0.68 * \seihou@boxwidth@new}%
\leavevmode%
\ltjghostbeforejachar%
\hbox to \seihou@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%

```

```

\ vbox to \seihou@boxwidth@new{%
\vss%
\ hbox to \seihou@boxwidth@new{%
\ hss%
\tikz[baseline=(char.base)]{%
\node[
line width=.04\seihou@boxwidth@new,
minimum size=.85\seihou@boxwidth@new,
draw,
inner sep=.1\seihou@boxwidth@new,
rotate=\rot@kksym@tateyoko
] (char){%
\vbox to \seihou@boxwidth@inner{
\vss%
\ hbox to \seihou@boxwidth@inner{%
\ hss%
\shukushou@adj@new@no@seihou{\seihou@var@zenkou}{\seihou@boxwidth@inner}{\
seihou@var@yokohaba@cal}{#1}%
\ hss%
}%
\vss%
}%
};
}%
\ hss%
}%
\vss%
}%
}%
\ltjghostafterjachar%
}

```

```

\DeclareRobustCommand{\kuroseihou@new}[1]{%
\rot@or@not@kksym%
\setlength{\seihou@boxwidth@new}{\zw}%
\settowidth{\seihou@var@yokohaba}{#1}%
\pgfmithsetlength{\seihou@boxwidth@inner}{0.68 * \seihou@boxwidth@new}%
\leavevmode%
\ltjghostbeforejachar%
\ hbox to \seihou@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\vbox to \seihou@boxwidth@new{%
\vss%
\ hbox to \seihou@boxwidth@new{%
\ hss%
\tikz[baseline=(char.base)]{%
\node[
line width=.04\seihou@boxwidth@new,

```

```

        minimum size=.85\seihou@boxwidth@new,
        draw,
        fill=black,%%%
        inner sep=.1\seihou@boxwidth@new,
        rotate=\rot@kksym@tateyoko
    ] (char){%
\ vbox to \seihou@boxwidth@inner{
    \vss%
    \hbox to \seihou@boxwidth@inner{%
        \hss%
        \shukushou@adj@new{\seihou@var@yokohaba}{\seihou@boxwidth@inner}{%
            \textcolor{white}{#1}}%
        \hss%
    }%
    \vss%
}%
};
}%
\hss%
}%
\vss%
}%
}%
}%
\ltjghostafterjachar%
}
\DeclareRobustCommand{\kuroseihou@new@no}[1]{%
    \rot@or@not@kksym%
    \setlength{\seihou@boxwidth@new}{\zw}%
    \settoheight{\seihou@var@yokohaba}{#1}%
    \settoheight{\seihou@var@tate}{#1}%
    \settodepth{\seihou@var@fuka}{#1}%
    \pgfmithsetlength{\seihou@var@zenkou}{\seihou@var@tate + \seihou@var@fuka}%
    \pgfmithsetlength{\seihou@var@yokohaba@cal}{0.85 * \seihou@var@yokohaba}%
    \pgfmithsetlength{\seihou@boxwidth@inner}{0.68 * \seihou@boxwidth@new}%
    \leavevmode%
    \ltjghostbeforejachar%
    \hbox to \seihou@boxwidth@new{%
        \raisebox{\vertical@adj@maru@new}{%
            \vbox to \seihou@boxwidth@new{%
                \vss%
                \hbox to \seihou@boxwidth@new{%
                    \hss%
                    \tikz[baseline=(char.base)]{%
                        \node[
                            line width=.04\seihou@boxwidth@new,
                            minimum size=.85\seihou@boxwidth@new,
                            draw,
                            fill=black,%%%
                            inner sep=.1\seihou@boxwidth@new,

```

```

        rotate=\rot@kksym@tateyoko
    ] (char){%
\ vbox to \seihou@boxwidth@inner{
    \vss%
    \hbox to \seihou@boxwidth@inner{%
        \hss%
        \shukushou@adj@new@no@seihou{\seihou@var@zenkou}{\seihou@boxwidth@inner}{\
            seihou@var@yokohaba@cal}{%
            \textcolor{white}{#1}}%
        \hss%
    }%
    \vss%
}%
};
}%
\hss%
}%
\vss%
}%
}%
}%
\ltjghostafterjachar%
}

```

```

\DeclareRobustCommand{\seimaru@new}[1]{%
    \rot@or@not@kksym%
    \setlength{\seihou@boxwidth@new}{\zw}%
    \settowidth{\seihou@var@yokohaba}{#1}%
    \pgfmathsetlength{\seihou@boxwidth@inner}{0.68 * \seihou@boxwidth@new}%
    \leavevmode%
    \ltjghostbeforejachar%
    \hbox to \seihou@boxwidth@new{%
        \raisebox{\vertical@adj@maru@new}{%
            \vbox to \seihou@boxwidth@new{%
                \vss%
                \hbox to \seihou@boxwidth@new{%
                    \hss%
                    \tikz[baseline=(char.base)]{%
                        \node[
                            line width=.04\seihou@boxwidth@new,
                            minimum size=.85\seihou@boxwidth@new,
                            draw,
                            rounded corners=.13\zw,%%
                            inner sep=.1\seihou@boxwidth@new,
                            rotate=\rot@kksym@tateyoko
                        ] (char){%
\ vbox to \seihou@boxwidth@inner{
                            \vss%
                            \hbox to \seihou@boxwidth@inner{%

```

```

\hss%
\shukushou@adj@new{\seihou@var@yokohaba}{\seihou@boxwidth@inner}{#1}%
\hss%
}%
\vss%
}%
};
}%
\hss%
}%
\vss%
}%
}%
}%
\ltjghostafterjachar%
}
\DeclareRobustCommand{\seimaru@new@no}[1]{%
\rot@or@not@kksym%
\setlength{\seihou@boxwidth@new}{\zw}%
\settowidth{\seihou@var@yokohaba}{#1}%
\settoheight{\seihou@var@tate}{#1}%
\settodepth{\seihou@var@fuka}{#1}%
\pgfmithsetlength{\seihou@var@zenkou}{\seihou@var@tate + \seihou@var@fuka}%
\pgfmithsetlength{\seihou@var@yokohaba@cal}{0.85 * \seihou@var@yokohaba}%
\pgfmithsetlength{\seihou@boxwidth@inner}{0.68 * \seihou@boxwidth@new}%
\leavevmode%
\ltjghostbeforejachar%
\hbox to \seihou@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\vbox to \seihou@boxwidth@new{%
\vss%
\hbox to \seihou@boxwidth@new{%
\hss%
\tikz[baseline=(char.base)]{%
\node[
line width=.04\seihou@boxwidth@new,
minimum size=.85\seihou@boxwidth@new,
draw,
rounded corners=.13\zw,%%
inner sep=.1\seihou@boxwidth@new,
rotate=\rot@kksym@tateyoko
] (char){%
\vbox to \seihou@boxwidth@inner{
\vss%
\hbox to \seihou@boxwidth@inner{%
\hss%
\shukushou@adj@new@no@seihou{\seihou@var@zenkou}{\seihou@boxwidth@inner}{\seihou@var@yokohaba@cal}{#1}%
\hss%
}%
}%
}

```

```

        \vss%
    }%
};
}%
    \hss%
}%
    \vss%
}%
}%
}%
    \ltjghostafterjachar%
}

\DeclareRobustCommand{\kuroseimaru@new}[1]{%
    \rot@or@not@kksym%
    \setlength{\seihou@boxwidth@new}{\zw}%
    \settowidth{\seihou@var@yokohaba}{\#1}%
    \pgfmthsetlength{\seihou@boxwidth@inner}{0.68 * \seihou@boxwidth@new}%
    \leavevmode%
    \ltjghostbeforejachar%
    \hbox to \seihou@boxwidth@new{%
        \raisebox{\vertical@adj@maru@new}{%
            \vbox to \seihou@boxwidth@new{%
                \vss%
                \hbox to \seihou@boxwidth@new{%
                    \hss%
                    \tikz[baseline=(char.base)]{%
                        \node[
                            line width=.04\seihou@boxwidth@new,
                            minimum size=.85\seihou@boxwidth@new,
                            draw,
                            fill=black,%%
                            rounded corners=.13\zw,%%
                            inner sep=.1\seihou@boxwidth@new,
                            rotate=\rot@kksym@tateyoko
                        ] (char){%
                            \vbox to \seihou@boxwidth@inner{
                                \vss%
                                \hbox to \seihou@boxwidth@inner{%
                                    \hss%
                                    \shukushou@adj@new{\seihou@var@yokohaba}{\seihou@boxwidth@inner}{%
                                        \textcolor{white}{\#1}}%
                                    \hss%
                                }%
                                \vss%
                            }%
                        }%
                    }%
                }%
            }%
        }%
    }%
};
}%
\hss%

```

```

}%
\vss%
}%
}%
}%
\ltjghostafterjachar%
}
\DeclareRobustCommand{\kuroseimaru@new@no}[1]{%
  \rot@or@not@kksym%
  \setlength{\seihou@boxwidth@new}{\zw}%
  \settowidth{\seihou@var@yokohaba}{\#1}%
  \settoheight{\seihou@var@tate}{\#1}%
  \settodepth{\seihou@var@fuka}{\#1}%
  \pgfmathsetlength{\seihou@var@zenkou}{\seihou@var@tate + \seihou@var@fuka}%
  \pgfmathsetlength{\seihou@var@yokohaba@cal}{0.85 * \seihou@var@yokohaba}%
  \pgfmathsetlength{\seihou@boxwidth@inner}{0.68 * \seihou@boxwidth@new}%
  \leavevmode%
  \ltjghostbeforejachar%
  \hbox to \seihou@boxwidth@new{%
    \raisebox{\vertical@adj@maru@new}{%
      \vbox to \seihou@boxwidth@new{%
        \vss%
        \hbox to \seihou@boxwidth@new{%
          \hss%
          \tikz[baseline=(char.base)]{%
            \node[
              line width=.04\seihou@boxwidth@new,
              minimum size=.85\seihou@boxwidth@new,
              draw,
              fill=black,%%
              rounded corners=.13\zw,%%
              inner sep=.1\seihou@boxwidth@new,
              rotate=\rot@kksym@tateyoko
            ] (char){%
              \vbox to \seihou@boxwidth@inner{%
                \vss%
                \hbox to \seihou@boxwidth@inner{%
                  \hss%
                  \shukushou@adj@new@no@seihou{\seihou@var@zenkou}{\seihou@boxwidth@inner}{\seihou@var@yokohaba@cal}{%
                    \textcolor{white}{\#1}}%
                  \hss%
                }%
                \vss%
              }%
            };
          }%
          \hss%
        }%
      }%
    }%
  }%
}

```

```

}%
}%
}%
\ltjghostafterjachar%
}

\DeclareRobustCommand{\hishi@new}[1]{%
  \rot@or@not@kksym%
  \setlength{\seihou@boxwidth@new}{\zw}%
  \settowidth{\seihou@var@yokohaba}{\#1}%
  \pgfmathsetlength{\seihou@boxwidth@inner}{0.85 * \seihou@boxwidth@new / 2}%
  \leavevmode%
  \ltjghostbeforejachar%
  \hbox to \seihou@boxwidth@new{%
    \raisebox{\vertical@adj@maru@new}{%
      \vbox to \seihou@boxwidth@new{%
        \vss%
        \hbox to \seihou@boxwidth@new{%
          \hss%
          \tikz[baseline=(char.base)]{%
            \node[
              line width=.04\seihou@boxwidth@new,
              minimum size=.5\seihou@boxwidth@new,
              draw,
              shape=diamond,
              inner sep=.03\seihou@boxwidth@new,
              rotate=\rot@kksym@tateyoko
            ] (char){%
              \vbox to \seihou@boxwidth@inner{%
                \vss%
                \hbox to \seihou@boxwidth@inner{%
                  \hss%
                  \shukushou@adj@new{\seihou@var@yokohaba}{\seihou@boxwidth@inner}{\#1}%
                  \hss%
                }%
                \vss%
              }%
            };
          }%
          \hss%
        }%
        \vss%
      }%
    }%
  }%
  \ltjghostafterjachar%
}

\DeclareRobustCommand{\hishi@new@no}[1]{%
  \rot@or@not@kksym%

```



```

\setlength{\seihou@boxwidth@new}{\zw}%
\settowidth{\seihou@var@yokohaba}{\#1}%
\settoheight{\seihou@var@tate}{\#1}%
\settodepth{\seihou@var@fuka}{\#1}%
\pgfmithsetlength{\seihou@var@zenkou}{(\seihou@var@tate + \seihou@var@fuka)*99}%
\pgfmithsetlength{\seihou@boxwidth@inner}{0.85 * \seihou@boxwidth@new / 2}%
\leavevmode%
\ltjghostbeforejachar%
\hbox to \seihou@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\vbox to \seihou@boxwidth@new{%
\vss%
\hbox to \seihou@boxwidth@new{%
\hss%
\tikz[baseline=(char.base)]{%
\node[
line width=.04\seihou@boxwidth@new,
minimum size=.5\seihou@boxwidth@new,
draw,
shape=diamond,
inner sep=.03\seihou@boxwidth@new,
rotate=\rot@kksym@tateyoko
] (char){%
\vbox to \seihou@boxwidth@inner{
\vss%
\hbox to \seihou@boxwidth@inner{%
\hss%
% これだけ他のやつと違うので注意！
\shukushou@adj@new{\seihou@var@yokohaba}{\seihou@boxwidth@inner}{\#1}%
\hss%
}%
\vss%
}%
};
}%
\hss%
}%
\vss%
}%
}%
}%
\ltjghostafterjachar%
}

\DeclareRobustCommand{\maruhishi@new}[1]{%
\rot@or@not@kksym%
\setlength{\seihou@boxwidth@new}{\zw}%
\settowidth{\seihou@var@yokohaba}{\#1}%
\pgfmithsetlength{\seihou@boxwidth@inner}{0.85 * \seihou@boxwidth@new / 2}%

```

```

\leavevmode%
\ltjghostbeforejachar%
\hbox to \seihou@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\vbox to \seihou@boxwidth@new{%
\vss%
\hbox to \seihou@boxwidth@new{%
\hss%
\tikz[baseline=(char.base)]{%
\node[
line width=.04\seihou@boxwidth@new,
minimum size=.5\seihou@boxwidth@new,
draw,
rounded corners=.06\zw,%%
shape=diamond,
inner sep=.03\seihou@boxwidth@new,
rotate=\rot@kksym@tateyoko
] (char){%
\vbox to \seihou@boxwidth@inner{
\vss%
\hbox to \seihou@boxwidth@inner{%
\hss%
\shukushou@adj@new{\seihou@var@yokohaba}{\seihou@boxwidth@inner}{#1}%
\hss%
}%
\vss%
}%
};
}%
\hss%
}%
\vss%
}%
}%
\ltjghostafterjachar%
}
\DeclareRobustCommand{\maruhishi@new@no}[1]{%
\rot@or@not@kksym%
\setlength{\seihou@boxwidth@new}{\zw}%
\settowidth{\seihou@var@yokohaba}{#1}%
\settoheight{\seihou@var@tate}{#1}%
\settodepth{\seihou@var@fuka}{#1}%
\pgfmithsetlength{\seihou@var@zenkou}{(\seihou@var@tate + \seihou@var@fuka)*99}%
\pgfmithsetlength{\seihou@boxwidth@inner}{0.85 * \seihou@boxwidth@new / 2}%
\leavevmode%
\ltjghostbeforejachar%
\hbox to \seihou@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\vbox to \seihou@boxwidth@new{%

```

```

\vss%
\hbox to \seihou@boxwidth@new{%
  \hss%
  \tikz[baseline=(char.base)]{%
    \node[
      line width=.04\seihou@boxwidth@new,
      minimum size=.5\seihou@boxwidth@new,
      draw,
      rounded corners=.06\zw,%%
      shape=diamond,
      inner sep=.03\seihou@boxwidth@new,
      rotate=\rot@kksym@tateyoko
    ] (char){%
\ vbox to \seihou@boxwidth@inner{
  \vss%
  \hbox to \seihou@boxwidth@inner{%
    \hss%
    % これだけ他のやつと違うので注意！
    \shukushou@adj@new{\seihou@var@yokohaba}{\seihou@boxwidth@inner}{#1}%
    \hss%
  }%
  \vss%
}%
};
}%
\hss%
}%
\vss%
}%
}%
}%
\ltjghostafterjachar%
}

```

```

\DeclareRobustCommand{\kurohishi@new}[1]{%
  \rot@or@not@kksym%
  \setlength{\seihou@boxwidth@new}{\zw}%
  \settowidth{\seihou@var@yokohaba}{#1}%
  \pgfmathsetlength{\seihou@boxwidth@inner}{0.85 * \seihou@boxwidth@new / 2}%
  \leavevmode%
  \ltjghostbeforejachar%
  \hbox to \seihou@boxwidth@new{%
    \raisebox{\vertical@adj@maru@new}{%
      \vbox to \seihou@boxwidth@new{%
        \vss%
        \hbox to \seihou@boxwidth@new{%
          \hss%
          \tikz[baseline=(char.base)]{%
            \node[

```

```

line width=.04\seihou@boxwidth@new,
minimum size=.5\seihou@boxwidth@new,
draw,
fill=black,%%%
shape=diamond,
inner sep=.03\seihou@boxwidth@new,
rotate=\rot@kksym@tateyoko
] (char){%
\ vbox to \seihou@boxwidth@inner{
\ vss%
\ hbox to \seihou@boxwidth@inner{%
\ hss%
\shukushou@adj@new{\seihou@var@yokohaba}{\seihou@boxwidth@inner}{%
\textcolor{white}{#1}}%
\ hss%
}%
\ vss%
}%
};
}%
\ hss%
}%
\ vss%
}%
}%
}%
\ltjghostafterjachar%
}
\DeclareRobustCommand{\kurohishi@new@no}[1]{%
\rot@or@not@kksym%
\setlength{\seihou@boxwidth@new}{\zw}%
\settowidth{\seihou@var@yokohaba}{#1}%
\settoheight{\seihou@var@tate}{#1}%
\settodepth{\seihou@var@fuka}{#1}%
\pgfmithsetlength{\seihou@var@zenkou}{(\seihou@var@tate + \seihou@var@fuka)*99}%
\pgfmithsetlength{\seihou@boxwidth@inner}{0.85 * \seihou@boxwidth@new / 2}%
\leavevmode%
\ltjghostbeforejachar%
\hbox to \seihou@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\ vbox to \seihou@boxwidth@new{%
\ vss%
\ hbox to \seihou@boxwidth@new{%
\ hss%
\tikz[baseline=(char.base)]{%
\node[
line width=.04\seihou@boxwidth@new,
minimum size=.5\seihou@boxwidth@new,
draw,
fill=black,%%%

```

```

        shape=diamond,
        inner sep=.03\seihou@boxwidth@new,
        rotate=\rot@kksym@tateyoko
    ] (char){%
\ vbox to \seihou@boxwidth@inner{
    \vss%
    \hbox to \seihou@boxwidth@inner{%
        \hss%
        % これだけ他のやつと違うので注意！
        \shukushou@adj@new{\seihou@var@yokohaba}{\seihou@boxwidth@inner}{%
            \textcolor{white}{#1}}%
        \hss%
    }%
    \vss%
}%
};
}%
\hss%
}%
\vss%
}%
}%
}%
\ltjghostafterjachar%
}

```

```

\DeclareRobustCommand{\kuromaruhishi@new}[1]{%
    \rot@or@not@kksym%
    \setlength{\seihou@boxwidth@new}{\zw}%
    \settowidth{\seihou@var@yokohaba}{#1}%
    \pgfmathsetlength{\seihou@boxwidth@inner}{0.85 * \seihou@boxwidth@new / 2}%
    \leavevmode%
    \ltjghostbeforejachar%
    \hbox to \seihou@boxwidth@new{%
        \raisebox{\vertical@adj@maru@new}{%
            \vbox to \seihou@boxwidth@new{%
                \vss%
                \hbox to \seihou@boxwidth@new{%
                    \hss%
                    \tikz[baseline=(char.base)]{%
                        \node[
                            line width=.04\seihou@boxwidth@new,
                            minimum size=.5\seihou@boxwidth@new,
                            draw,
                            fill=black,%%
                            rounded corners=.06\zw,%%
                            shape=diamond,
                            inner sep=.03\seihou@boxwidth@new,
                            rotate=\rot@kksym@tateyoko

```

```

] (char){%
\ vbox to \seihou@boxwidth@inner{%
  \vss%
  \ hbox to \seihou@boxwidth@inner{%
    \hss%
    \shukushou@adj@new{\seihou@var@yokohaba}{\seihou@boxwidth@inner}{%
      \textcolor{white}{#1}}%
    \hss%
  }%
  \vss%
}%
};
}%
\hss%
}%
\vss%
}%
}%
}%
\ltjghostafterjachar%
}
\DeclareRobustCommand{\kuromaruhishi@new@no}[1]{%
  \rot@or@not@kksym%
  \setlength{\seihou@boxwidth@new}{\zw}%
  \settowidth{\seihou@var@yokohaba}{#1}%
  \settoheight{\seihou@var@tate}{#1}%
  \settodepth{\seihou@var@fuka}{#1}%
  \pgfmathsetlength{\seihou@var@zenkou}{(\seihou@var@tate + \seihou@var@fuka)*99}%
  \pgfmathsetlength{\seihou@boxwidth@inner}{0.85 * \seihou@boxwidth@new / 2}%
  \leavevmode%
  \ltjghostbeforejachar%
  \ hbox to \seihou@boxwidth@new{%
    \raisebox{\vertical@adj@maru@new}{%
      \ vbox to \seihou@boxwidth@new{%
        \vss%
        \ hbox to \seihou@boxwidth@new{%
          \hss%
          \tikz[baseline=(char.base)]{%
            \node[
              line width=.04\seihou@boxwidth@new,
              minimum size=.5\seihou@boxwidth@new,
              draw,
              fill=black,%%
              rounded corners=.06\zw,%%
              shape=diamond,
              inner sep=.03\seihou@boxwidth@new,
              rotate=\rot@kksym@tateyoko
            ] (char){%
              \ vbox to \seihou@boxwidth@inner{
                \vss%

```

```

\hbox to \seihou@boxwidth@inner{%
\hss%
% これだけ他のやつと違うので注意！
\shukushou@adj@new{\seihou@var@yokohaba}{\seihou@boxwidth@inner}{%
\textcolor{white}{#1}}%
\hss%
}%
\vss%
}%
};
}%
\hss%
}%
\vss%
}%
}%
}%
\ltjghostafterjachar%
}
%%

% \kakko
\newlength{\kakko@boxwidth@new}
\newlength{\kakko@boxwidth@inner}
\newlength{\kakko@var@yokohaba}
\newlength{\kakko@var@yokohaba@cal}
\newlength{\kakko@var@tate}
\newlength{\kakko@var@fuka}
\newlength{\kakko@var@zenkou}

\NewDocumentCommand{\shukushou@adj@new@no@kakko}{ m m m m }{%
\ifdim #1 < #2%
\ifdim #3 > #2%
\resizebox*{#3}{!}{#4}%
\else%
\scalebox{.9}{#4}%
\fi%
\else%
\resizebox*{!}{#2}{#4}%
\fi%
}

\DeclareRobustCommand{\kakko@byouga@internal}[3]{% 横の方
\rot@or@not@kksym%
\setlength{\kakko@boxwidth@new}{\zw}%
\settowidth{\kakko@var@yokohaba}{#3}%
\pgfmithsetlength{\kakko@boxwidth@inner}{0.8 * \kakko@boxwidth@new}%
\leavevmode%
\ltjghostbeforejachar%

```

```

\hbox to \zw{\hss%
\scalebox{.63}[1]{#1}\hspace*{-.1\zw}%
\vbox to \kakko@boxwidth@inner{
\vss%
\hbox to \kakko@boxwidth@inner{%
\hss%
\rotatebox[origin=c]{\rot@kksym@tateyoko}{%
\shukushou@adj@new{\kakko@var@yokohaba}{\kakko@boxwidth@inner}{#3}}%
\hss%
}%
\vss%
}%
\hspace*{-.1\zw}\scalebox{.63}[1]{#2}%
\hss}%
\ltjghostafterjachar%
}
\DeclareRobustCommand{\kakko@byouga@internal@no}[3]{% 横の方
\rot@or@not@kksym%
\setlength{\kakko@boxwidth@new}{\zw}%
\settowidth{\kakko@var@yokohaba}{#3}%
\settoheight{\kakko@var@tate}{#3}%
\settodepth{\kakko@var@fuka}{#3}%
\pgfmthsetlength{\kakko@var@zenkou}{\kakko@var@tate + \kakko@var@fuka}%
\pgfmthsetlength{\kakko@var@yokohaba@cal}{0.9 * \kakko@var@yokohaba}%
\pgfmthsetlength{\kakko@boxwidth@inner}{0.8 * \kakko@boxwidth@new}%
\leavevmode%
\ltjghostbeforejachar%
\hbox to \zw{\hss%
\scalebox{.63}[1]{#1}\hspace*{-.1\zw}%
\vbox to \kakko@boxwidth@inner{
\vss%
\hbox to \kakko@boxwidth@inner{%
\hss%
\rotatebox[origin=c]{\rot@kksym@tateyoko}{%
\shukushou@adj@new@no@kakko{\kakko@var@zenkou}{\kakko@boxwidth@inner}{\kakko@var@yokohaba@cal}{#3}}%
\hss%
}%
\vss%
}%
\hspace*{-.1\zw}\scalebox{.63}[1]{#2}%
\hss}%
\ltjghostafterjachar%
}
\DeclareRobustCommand{\kakko@byouga@internal@tate}[3]{% 縦の方
\rot@or@not@kksym%
\ifnum\ltjgetparameter{direction}=3\pgfmthsetmacro{\rot@kksym@tateyoko}{\rot@kksym@tateyoko
- 90}\fi%
\setlength{\kakko@boxwidth@new}{\zw}%

```



```

\settowidth{\kakko@var@yokohaba}{#3}%
\pgfmthsetlength{\kakko@boxwidth@inner}{0.8 * \kakko@boxwidth@new}%
\leavevmode%
\ltjghostbeforejachar%
\raisebox{-0.5\zw}{%
\rotatebox[origin=c]{90}{%
\hbox to \zw{\hss%
\vbox to \zw{\vss%
\hbox to \zw{\hss%
\scalebox{.63}[1]{#1}\hspace*{-.1\zw}%
\vbox to \kakko@boxwidth@inner{%
\vss%
\hbox to \kakko@boxwidth@inner{%
\hss%
\raisebox{-1.2\zw}{%
\rotatebox[origin=c]{\rot@kksym@tateyoko}{%
\shukushou@adj@new{\kakko@var@yokohaba}{\kakko@boxwidth@inner}{#3}%
}%
}%
\hss%
}%
\vss%
}%
\hspace*{-.1\zw}\scalebox{.63}[1]{#2}\vspace*{.3\zw}%
\hss}%
\vss}%
\hss}%
}%
}%
\ltjghostafterjachar%
}
\DeclareRobustCommand{\kakko@byouga@internal@tate@no}[3]{% 縦の方
\rot@or@not@kksym%
\ifnum\ltjgetparameter{direction}=3\pgfmthsetmacro{\rot@kksym@tateyoko}{\rot@kksym@tateyoko
- 90}\fi%
\setlength{\kakko@boxwidth@new}{\zw}%
\settowidth{\kakko@var@yokohaba}{#3}%
\settoheight{\kakko@var@tate}{#3}%
\settodepth{\kakko@var@fuka}{#3}%
\pgfmthsetlength{\kakko@var@zenkou}{\kakko@var@tate + \kakko@var@fuka}%
\pgfmthsetlength{\kakko@var@yokohaba@cal}{0.9 * \kakko@var@yokohaba}%
\pgfmthsetlength{\kakko@boxwidth@inner}{0.8 * \kakko@boxwidth@new}%
\leavevmode%
\ltjghostbeforejachar%
\raisebox{-0.5\zw}{%
\rotatebox[origin=c]{90}{%
\hbox to \zw{\hss%
\vbox to \zw{\vss%
\hbox to \zw{\hss%
\scalebox{.63}[1]{#1}\hspace*{-.1\zw}%

```

```

\ vbox to \ kakko@boxwidth@inner{%
\ vss%
\ hbox to \ kakko@boxwidth@inner{%
\ hss%
\ raisebox{-1.6\ zw}{%
\ vbox to \ kakko@boxwidth@inner{%
\ vss%
\ hbox to \ kakko@boxwidth@inner{%
\ hss%
\ rotatebox[origin=c]{\ rot@kksym@tateyoko}{%
\ shukushou@adj@new@no@kakko{\ kakko@var@zenkou}{\ kakko@boxwidth@inner}{\
kakko@var@yokohaba@cal}{#3}%
}\ hss}\ vss}%
}%
\ hss%
}%
\ vss%
}%
\ hspace*{-.1\ zw}\ scalebox{.63}[1]{#2}\ vspace*{.3\ zw}%
\ hss}%
\ vss}%
\ hss}%
}%
}%
\ ltjghostafterjachar%
}
%%

% \ ichimoji
\ newlength{\ ichimoji@yk@new}
\ newlength{\ ichimoji@ht@new}
\ newlength{\ ichimoji@dp@new}
\ newlength{\ ichimoji@zenkou@new}
\ DeclareRobustCommand{\ ichimoji@scaling}[1]{%
\ ifdim\ ichimoji@yk@new > \ zw%
\ pgfmathsetmacro{\ ratio@ichimoji@yk}{\ strip@pt\ zw/\ strip@pt\ ichimoji@yk@new}%
\ scalebox{\ ratio@ichimoji@yk}[1]{#1}%
\ else%
#1%
\ fi%
}
\ DeclareRobustCommand{\ ichimoji@new}[1]{%
\ ifnum\ ltjgetparameter{direction}=3%
\ leavevmode%
\ ltjghostbeforejachar%
\ raisebox{-.5\ zw}{\ hbox to \ zw {\ hss%
\ vbox to \ zw {\ vss%
\ hbox to \ zw {\ hss%
\ resizebox*{\ zw}{\ zw}{#1}%

```

```

\hss}%
\vss}\hss}}%
\ltjghostafterjachar%
\else%
\leavevmode%
\ltjghostbeforejachar%
\raisebox{-.12\zw}{\hbox to \zw {\hss%
\vbox to \zw {\vss%
\hbox to \zw {\hss%
\resizebox*{\zw}{\zw}{#1}%
\hss}%
\vss}\hss}}%
\ltjghostafterjachar%
\fi%
}
\DeclareRobustCommand{\ichimoji@new@no}[1]{%
\settowidth{\ichimoji@yk@new}{#1}%
\settoheight{\ichimoji@ht@new}{#1}%
\settodepth{\ichimoji@dp@new}{#1}%
\pgfmathsetlength{\ichimoji@zenkou@new}{\ichimoji@ht@new + \ichimoji@dp@new}%
\ifnum\ltjgetparameter{direction}=3%
\leavevmode%
\ltjghostbeforejachar%
\raisebox{-.5\zw}{\hbox to \zw {\hss%
\vbox to \zw {\vss%
\hbox to \zw {\hss%
\ichimoji@scaling{#1}%
\hss}%
\vss}\hss}}%
\ltjghostafterjachar%
\else%
\leavevmode%
\ltjghostbeforejachar%
\raisebox{-.12\zw}{\hbox to \zw {\hss%
\vbox to \zw {\vss%
\hbox to \zw {\hss%
\ichimoji@scaling{#1}%
\hss}%
\vss}\hss}}%
\ltjghostafterjachar%
\fi%
}
%%
\endinput

```