

# KKsymbols Package Documentation

Kosei Kawaguchi a.k.a KKTeX

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# 目次

1	Acknowledgements / Credit	3
2	Installation	3
3	Caution	3
4	Commands	3
4.1	The maru series	3
4.1.1	Lowercase letters and "Q"	4
4.2	Others	5
5	The seihou series	5
6	The kakko series	7
7	License	8
8	Example outputs	9
9	Version History	14
10	Source Code	15

# 1 Acknowledgements / Credit

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

# 2 Installation

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

Dependencies:

- `LuaLaTeX-jā`
- `tikz`
- `clac`

Load the package:

```
\usepackage{KKsymbols}
```

# 3 Caution

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

# 4 Commands

## 4.1 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. **However, using lowercase letters as arguments is not recommended.**

They are used as follows.

表 1: maru series

argument	<code>\maru</code>	<code>\kuromaru</code>	<code>\nmaru</code>
1	①	①	①
97	⑨⑦	⑨⑦	⑨⑦
だ	だ	だ	だ
ぱぱぱ	ぱぱぱ	ぱぱぱ	ぱぱぱ

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

あいう $\textcircled{\text{ああ}}$ 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.

**Naturally, these commands also work correctly in vertical writing environments.**

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:



#### 4.1.1 Lowercase letters and "Q"

As mentioned earlier, using lowercase letters as arguments for this macro is not recommended. However, **it is not entirely impossible if you really want to do so.**

##### ▷ Multiple strings which include characters with descenders

This package provides two commands, `\dccare` and `\ndccare`. Characters with descenders, such as `g` or `Q`, can be handled using `\dccare{g}`, while characters without descenders can be handled using `\ndccare{a}`. When `\maru` (or the like) accepts

**multiple strings as an argument**, and there are characters with descenders among them, treat them as shown below:

```
\maru{\dccare{g}}\maru{\dccare{ggg}}\maru{\dccare{j}}\maru{\dccare{jjj}}\
maru{\ndccare{a}}
\maru{\dccare{j}\ndccare{b}\dccare{j}}\maru{あ\dccare{g}}\maru{A\dccare{j}}\
maru{田\ndccare{a}}
```

(g)(ggg)(j)(jjj)(a)

(jbi)(あ)(Ai)(田a)

#### ▷ Single string which includes a descender

In this case, use the special command `\slowcare` and handle it as follows.

```
\maru{\slowcare{a}}...\maru{\slowcare{g}}...
```

(a)(b)(c)(d)(e)(f)(g)(h)(i)(j)(k)(l)(m)(n)(o)(p)(q)(r)(s)(t)(u)(v)(w)(z)

#### ▷ ”Q”

Among uppercase alphabetic characters, **Q** is the only one that has a descender. In this case, you should use `\dccare` in **ANY** case.

```
\maru{\dccare{Q}}\maru{\dccare{QQQ}}\maru{\dccare{Q}.12}
```

(Q)(QQQ)(Q.12)

## 4.2 Others

For certain fonts, the characters may still extend beyond the frame even with these adjustments. In such cases, use commands like `\scalebox` or `\raisebox` to adjust them as needed.

## 5 The seihou series

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

表 2: seihou series









argument	\seihou	\kuroseihou
1		
97		
だ		
ばばば		

表 3: seimaru series

























argument	\seimaru	\kuroseimaru
1		
97		
だ		
ばばば		

表 4: hishi series



















argument	\hishi	\kurohishi	\maruhishi	\kuomaruhishi
1				
97				
だ				
ばばば				

Examples with lowercase alphabet characters are additionally provided.

```

\seihou{\dccare{g}}\seihou{\dccare{ggg}}\seihou{\dccare{j}}\seihou{\dccare{
  jjj}}\seihou{\ndccare{a}}
\seihou{\dccare{j}\ndccare{b}\dccare{j}}\seihou{あ\dccare{g}}\seihou{A\
  dccare{j}}\seihou{田\ndccare{a}}
\hishi{\dccare{g}}\hishi{\dccare{ggg}}\hishi{\dccare{j}}\hishi{\dccare{jjj
  }}\hishi{\ndccare{a}}
\hishi{\dccare{j}\ndccare{b}\dccare{j}}\hishi{あ\dccare{g}}\hishi{A\dccare{j
  }}\hishi{田\ndccare{a}}

```

## 6 The kakko series

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

表 5: kakko series ①

argument	\kakko	\sumikakko	\kakukakko	\kikakko	\ykakko
1	(1)	【1】	[1]	〔1〕	⟨1⟩
97	(97)	【97】	[97]	〔97〕	⟨97⟩
だ	(だ)	【だ】	[だ]	〔だ〕	⟨だ⟩
ばばば	( $\frac{b}{b}b$ )	【 $\frac{b}{b}b$ 】	[ $\frac{b}{b}b$ ]	〔 $\frac{b}{b}b$ 〕	⟨ $\frac{b}{b}b$ ⟩

表 6: kakko series ②

argument	\nykakko	\namikakko	\kagikakko	\nkagikakko	\period	\ichimoji
1	《1》	{1}	「1」	『1』	1.	1
97	《97》	{97}	「97」	『97』	97.	97
だ	《だ》	{だ}	「だ」	『だ』	だ.	だ
ばばば	《 $\frac{b}{b}b$ 》	{ $\frac{b}{b}b$ }	「 $\frac{b}{b}b$ 」	『 $\frac{b}{b}b$ 』	$\frac{b}{b}b$ .	$\frac{b}{b}b$

Examples with lowercase alphabet characters are additionally provided.

```
\kakko{\dccare{g}}\kakko{\dccare{ggg}}\kakko{\dccare{j}}\kakko{\dccare{jjj}}
\kakko{\ndccare{a}}
\kakko{\dccare{j}\ndccare{b}\dccare{j}}\kakko{あ\dccare{g}}\kakko{A\dccare{j}}
\kakko{田\ndccare{a}}
```

(g)( $\frac{g}{g}g$ )(j)( $\frac{j}{j}jj$ )(a)

(jbj)( $\frac{a}{a}a$ )(Ai)( $\frac{田}{田}田$ )

### ▷ \ichimoji

On 2025/10/18, I added \ichimoji command which forces ANY arguments to fit in zenkaku width (=1em).

As follows, \kakko for example, is actually not fits in accurate zenkaku width:

$\boxed{\text{あ}}\text{あ}$

However, if you want to made its width fit in accurate zenkaku width, you can use them together as follows:

`\fbox{\ichimoji{\kakko{123}}}\fbox{あ}\ichimoji{\kakko{123}}あ`

$\boxed{\text{あ}}\text{あ}$

Personally, I don't think those should always be used together. The reason is that, when I originally designed `\kakko`, I intentionally settled on the current adjustment out of concern that forcing it to fit strictly within a zenkaku-width space would compromise its visual appearance. This package was never intended to pursue "uniform zenkaku width alignment" as its goal; rather, the decision was made to prioritize providing versatile and visually pleasing commands. Therefore, please regard the recommended usage as a fallback measure—something to be applied only when the layout is severely disrupted due to the lack of zenkaku width alignment.

## 7 License

Released under the [LaTeX Project Public License \(LPPL\) 1.3c](#).



## 8 Example outputs

$\backslash\text{maru}\{\backslash\text{slowcare}\{a\}\}$   
 $\backslash\text{maru}\{\backslash\text{slowcare}\{b\}\}$   
 $\backslash\text{maru}\{\backslash\text{slowcare}\{c\}\}$   
 $\backslash\text{maru}\{\backslash\text{slowcare}\{d\}\}$   
 $\backslash\text{maru}\{\backslash\text{slowcare}\{e\}\}$   
 $\backslash\text{maru}\{\backslash\text{slowcare}\{f\}\}$   
 $\backslash\text{maru}\{\backslash\text{slowcare}\{g\}\}$   
 $\backslash\text{maru}\{\backslash\text{slowcare}\{h\}\}$   
 $\backslash\text{maru}\{\backslash\text{slowcare}\{i\}\}$   
 $\backslash\text{maru}\{\backslash\text{slowcare}\{j\}\}$   
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 $\textcircled{\text{A}} \textcircled{\text{B}} \textcircled{\text{C}} \textcircled{\text{D}} \textcircled{\text{E}} \textcircled{\text{F}} \textcircled{\text{G}} \textcircled{\text{H}} \textcircled{\text{I}} \textcircled{\text{J}} \textcircled{\text{K}} \textcircled{\text{L}} \textcircled{\text{M}} \textcircled{\text{N}} \textcircled{\text{O}} \textcircled{\text{P}} \textcircled{\text{Q}} \textcircled{\text{R}} \textcircled{\text{S}} \textcircled{\text{T}} \textcircled{\text{U}} \textcircled{\text{V}} \textcircled{\text{W}} \textcircled{\text{X}} \textcircled{\text{Y}} \textcircled{\text{Z}}$   
 $\boxed{\text{a}} \boxed{\text{b}} \boxed{\text{c}} \boxed{\text{d}} \boxed{\text{e}} \boxed{\text{f}} \boxed{\text{g}} \boxed{\text{h}} \boxed{\text{i}} \boxed{\text{j}} \boxed{\text{k}} \boxed{\text{l}} \boxed{\text{m}} \boxed{\text{n}} \boxed{\text{o}} \boxed{\text{p}} \boxed{\text{q}} \boxed{\text{r}} \boxed{\text{s}} \boxed{\text{t}} \boxed{\text{u}} \boxed{\text{v}} \boxed{\text{w}}$   
 $\boxed{\text{x}} \boxed{\text{y}} \boxed{\text{z}}$   
 $\boxed{\text{A}} \boxed{\text{B}} \boxed{\text{C}} \boxed{\text{D}} \boxed{\text{E}} \boxed{\text{F}} \boxed{\text{G}} \boxed{\text{H}} \boxed{\text{I}} \boxed{\text{J}} \boxed{\text{K}} \boxed{\text{L}} \boxed{\text{M}} \boxed{\text{N}} \boxed{\text{O}} \boxed{\text{P}} \boxed{\text{Q}} \boxed{\text{R}} \boxed{\text{S}} \boxed{\text{T}} \boxed{\text{U}} \boxed{\text{V}} \boxed{\text{W}}$   
 $\boxed{\text{X}} \boxed{\text{Y}} \boxed{\text{Z}}$   
 $\diamond\text{a} \diamond\text{b} \diamond\text{c} \diamond\text{d} \diamond\text{e} \diamond\text{f} \diamond\text{g} \diamond\text{h} \diamond\text{i} \diamond\text{j} \diamond\text{k} \diamond\text{l} \diamond\text{m} \diamond\text{n} \diamond\text{o} \diamond\text{p} \diamond\text{q} \diamond\text{r} \diamond\text{s} \diamond\text{t} \diamond\text{u} \diamond\text{v}$   
 $\diamond\text{w} \diamond\text{x} \diamond\text{y} \diamond\text{z}$   
 $\diamond\text{A} \diamond\text{B} \diamond\text{C} \diamond\text{D} \diamond\text{E} \diamond\text{F} \diamond\text{G} \diamond\text{H} \diamond\text{I} \diamond\text{J} \diamond\text{K} \diamond\text{L} \diamond\text{M} \diamond\text{N} \diamond\text{O} \diamond\text{P} \diamond\text{Q} \diamond\text{R} \diamond\text{S} \diamond\text{T} \diamond\text{U} \diamond\text{V}$   
 $\diamond\text{W} \diamond\text{X} \diamond\text{Y} \diamond\text{Z}$   
 $(\text{a}) (\text{b}) (\text{c}) (\text{d}) (\text{e}) (\text{f}) (\text{g}) (\text{h}) (\text{i}) (\text{j}) (\text{k}) (\text{l}) (\text{m}) (\text{n}) (\text{o}) (\text{p}) (\text{q}) (\text{r}) (\text{s}) (\text{t}) (\text{u}) (\text{v}) (\text{w})$   
 $(\text{x}) (\text{y}) (\text{z})$   
 $(\text{A}) (\text{B}) (\text{C}) (\text{D}) (\text{E}) (\text{F}) (\text{G}) (\text{H}) (\text{I}) (\text{J}) (\text{K}) (\text{L}) (\text{M}) (\text{N}) (\text{O}) (\text{P}) (\text{Q}) (\text{R}) (\text{S}) (\text{T}) (\text{U}) (\text{V}) (\text{W})$   
 $(\text{X}) (\text{Y}) (\text{Z})$

## 9 Version History

- **v1.0.0 (2025/10/03)** — Initial public release.
- **v1.0.1 (2025/10/04)** — Added `\slowcare`, and adjusted `\dccare`.
- **v1.0.2 (2025/10/05)** — Fixed a problem related to dependency environments.
- **v1.0.3 (2025/10/12)** — Fixed a problem related to maru series.
- **v1.0.4 (2025/10/18)** — Added `\ichimoji` command.

## 10 Source Code

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{KKsymbols}[2025/10/18, Version 1.0.4]
\RequirePackage{luatexja-adjust}
\RequirePackage{expl3}
\RequirePackage{calc}
\RequirePackage{tikz}
\usetikzlibrary{shapes}

\newcommand{\dccare}[1]{%
  \ifnum\ltjgetparameter{direction}=3
    % 縦書き
    \vphantom{田}\raisebox{\dimexpr.09\dimexpr\f@size pt\relax}{\scalebox
      {1} [.8] {#1}}%
  \else
    % 横書き
    \vphantom{田}\raisebox{\dimexpr.155\dimexpr\f@size pt\relax}{\scalebox
      {1} [.8] {#1}}%
  \fi
}
\newcommand{\ndccare}[1]{\vphantom{田}#1}

\newcommand{\VerticalAdjustSlowcare}{%
  \ifnum\ltjgetparameter{direction}=3
    0em % 縦組
  \else
```

```

    -.04em % 横組
\fi
}

\newcommand{\VerticalAdjustSlowcareX}{%
  \ifnum\ltjgetparameter{direction}=3
    0em % 縦組
  \else
    .35em % 横組
  \fi
}

\ExplSyntaxOn
\newsavebox\jpmid_box

\NewDocumentCommand{\slowcare}{m}
{
  \jpmid_iterate:n { \ndccare{\raisebox{\VerticalAdjustSlowcareX}{#1}} }
}

\cs_new_protected:Nn \jpmid_iterate:n
{
  \tl_map_inline:nn { #1 }
  {
    \sbox\jpmid_box{##1}%
    \raisebox{-\dimexpr(\ht\jpmid_box-\dp\jpmid_box)/2\relax + \dimexpr\
      VerticalAdjustSlowcareX}{\usebox\jpmid_box}%
  }
}

\ExplSyntaxOff

\newcommand{\VerticalAdjustMaru}{%
  \ifnum\ltjgetparameter{direction}=3
    -0.06ex % 縦組
  \else
    0.19ex % 横組
  \fi
}

\newcommand{\maybescale}[3]{%

```



```

\ifdim #1 > #2%
  \ifdim #1 > 0pt%
    \edef\scalefactor{%
      \fpeval{ \strip@pt\dimexpr #2\relax / \strip@pt\dimexpr #1\relax }%
    }%
  \else%
    \def\scalefactor{1}%
  \fi%
  \scalebox{\scalefactor}[1]{#3}%
\else%
  #3%
\fi%
}

```

%maru系縦方向

```

\newcommand{\maybescaleV}[3]{%
  \ifnum\ltjgetparameter{direction}=3
    #3%
  \else
    \ifdim \dimexpr 1.5\dimexpr #1\relax < #2%
      \edef\verticalscale{%
        \fpeval{0.72 * (\strip@pt\dimexpr #2\relax / \strip@pt\dimexpr #1\relax)}%
      }%
      \scalebox{1}[\verticalscale]{#3}%
    \else%
      #3%
    \fi%
  \fi
}

```

%seihou系縦方向

```

\newcommand{\maybescaleVV}[3]{%
  \ifnum\ltjgetparameter{direction}=3
    #3%
  \else
    \ifdim \dimexpr 1.5\dimexpr #1\relax < #2%
      \edef\verticalscale{%
        \fpeval{0.64 * (\strip@pt\dimexpr #2\relax / \strip@pt\dimexpr #1\relax)}%
      }%
    \else%
      #3%
    \fi%
  \fi
}

```

```

    }%
    \scalebox{1}[\verticalscale]{#3}%
  \else%
    #3%
  \fi%
\fi
}

```

%hishi系縦方向

```

\newcommand{\maybescaleVVV}[3]{%
  \ifnum\ltjgetparameter{direction}=3
    #3%
  \else
    \ifdim \dimexpr 1.5\dimexpr #1\relax < #2%
      \edef\verticalscale{%
        \fpeval{0.58 * (\strip@pt\dimexpr #2\relax / \strip@pt\dimexpr #1\relax)}}%
    }%
    \scalebox{1}[\verticalscale]{#3}%
  \else%
    #3%
  \fi%
\fi
}

```

%kakko系

```

\newcommand{\maybescaleVVVV}[3]{%
  \ifnum\ltjgetparameter{direction}=3
    #3%
  \else
    \ifdim \dimexpr 1.5\dimexpr #1\relax < #2%
      \edef\verticalscale{%
        \fpeval{0.58 * (\strip@pt\dimexpr #2\relax / \strip@pt\dimexpr #1\relax)}}%
    }%
    \scalebox{1}[\verticalscale]{#3}%
  \else%
    #3%
  \fi%
\fi

```

```

}

\newlength{\maru@boxwidth}
\newlength{\maru@textwidth}
\newlength{\maru@textheight}
\DeclareRobustCommand{\maru}[1]{%
  \settowidth{\maru@textwidth}{\#1}%
  \settoheight{\maru@textheight}{\#1}%
  \setlength{\maru@boxwidth}{\f@size pt}%
  \multiply\maru@boxwidth by 105 % 123から105へ
  \divide\maru@boxwidth by 100 %
  \ltjghostbeforejachar%
  \vphantom{羅}\raisebox{\VerticalAdjustMaru}{%
    \hbox to \maru@boxwidth{%
      \hss
      \tikz[baseline=(char.base)]{%
        \node[
          shape=circle,
          line width=0.1ex,
          minimum size=.9\maru@boxwidth, % .92から.9へ
          draw,
          inner sep=\dimexpr -0.22\dimexpr\f@size pt % .25から.22へ
        ] (char){%
          \raisebox{0.033ex}{\scalebox{0.75}{\vphantom{羅}\makebox[.83\maru@boxwidth][c]{\maybescale{\maru@textwidth}{.83\maru@boxwidth}{\maybescaleV{\maru@textheight}{\maru@boxwidth}{\#1}}}}}% 0.8倍から0.75倍へ・.9\maru@boxwidth から 85\maru@boxwidthへ
        };
      }%
    }%
    \hss
  }%
  \ltjghostafterjachar
}

\newlength{\kuromaru@boxwidth}
\newlength{\kuromaru@textwidth}
\newlength{\kuromaru@textheight}
\DeclareRobustCommand{\kuromaru}[1]{%

```

```

\settowidth{\kuromaru@textwidth}{\#1}%
\settoheight{\kuromaru@textheight}{\#1}%
\setlength{\kuromaru@boxwidth}{\f@size pt}%
\multiply\kuromaru@boxwidth by 105 %
\divide\kuromaru@boxwidth by 100 %
\ltjghostbeforejachar%
\vphantom{羅}\raisebox{\VerticalAdjustMaru}{%
  \hbox to \kuromaru@boxwidth{%
    \hss
    \tikz[baseline=(char.base)]{%
      \node[
        shape=circle,
        line width=0.1ex,
        minimum size=.9\kuromaru@boxwidth,
        draw, fill=black,
        inner sep=\dimexpr -0.22\dimexpr\f@size pt
      ] (char){%
        \raisebox{0.033ex}{\textcolor{white}{\scalebox{0.75}{\vphantom{羅}\
          makebox[.85\kuromaru@boxwidth][c]{\maybescale{\
            kuromaru@textwidth}{.85\kuromaru@boxwidth}{\maybescaleV{\
              kuromaru@textheight}{\kuromaru@boxwidth}{\#1}}}}}}}%
      };
    }%
    \hss
  }%
}%
\ltjghostafterjachar
}

\newlength{\nmaru@boxwidth}
\newlength{\nmaru@textwidth}
\newlength{\nmaru@textheight}
\DeclareRobustCommand{\nmaru}[1]{%
  \settowidth{\nmaru@textwidth}{\#1}%
  \settoheight{\nmaru@textheight}{\#1}%
  \setlength{\nmaru@boxwidth}{\f@size pt}%
  \multiply\nmaru@boxwidth by 105 %
  \divide\nmaru@boxwidth by 100 %
  \ltjghostbeforejachar%
  \vphantom{羅}\raisebox{\VerticalAdjustMaru}{%

```

```

\hbox to 1.02\anmaru@boxwidth{%
  \hss
  \tikz[baseline=(char.base),scale=.93]{%
    \node[
      shape=circle,
      line width=0.1ex,
      minimum size=.9\anmaru@boxwidth,
      draw, double, double distance=0.08ex,
      inner sep=\dimexpr -0.22\dimexpr\f@size pt
    ] (char){%
      \raisebox{0.033ex}{\scalebox{0.7}{\vphantom{羅}}\makebox[.85\
        \anmaru@boxwidth][c]{\maybescale{\anmaru@textwidth}{.85\
          \anmaru@boxwidth}{\maybescaleV{\anmaru@textheight}{\anmaru@boxwidth
            }{#1}}}}}%
    };
  }%
  \hss
}%
}%
\ltjghostafterjchar
}

\newcommand{\VerticalAdjustMaruX}{%
  \ifnum\ltjgetparameter{direction}=3
    -.13ex % 縦組
  \else
    -.11ex % 横組
  \fi
}

\newcommand{\VerticalAdjustMaruY}{%
  \ifnum\ltjgetparameter{direction}=3
    .124ex % 縦組
  \else
    .25ex % 横組
  \fi
}

\newlength{\seihou@boxwidth}

```

```

\newlength{\seihou@textwidth}
\newlength{\seihou@textheight}
\DeclareRobustCommand{\seihou}[1]{%
  \settowidth{\seihou@textwidth}{#1}%
  \settoheight{\seihou@textheight}{#1}%
  \setlength{\seihou@boxwidth}{\f@size pt}%
  \multiply\seihou@boxwidth by 123 %
  \divide\seihou@boxwidth by 100 %
  \ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustMaruX}{%
    \mbox{%
      \hbox to \seihou@boxwidth{%
        \hss
        \tikz[baseline=(char.base)]{%
          \node[draw, line width=0.1ex, minimum size=\dimexpr 0.95\dimexpr\f@size
            pt, inner sep=-\dimexpr 0.125\dimexpr\f@size pt, align=center] (
            char) {\vphantom{\raisebox{0.124ex}{羅}}{\raisebox{\
              VerticalAdjustMaruY}{\scalebox{.8}{\hspace*{\dimexpr 0.1\
                seihou@boxwidth}\makebox[.82\seihou@boxwidth][c]{\maybescale{\
                  seihou@textwidth}{.82\seihou@boxwidth}{\maybescaleVV{\
                    seihou@textheight}{\seihou@boxwidth}{#1}}}\hspace*{\dimexpr 0.1\
                    seihou@boxwidth}}}}};
          }\hss}}}\ltjghostafterjachar
        }

```

```

\newlength{\kuroseihou@boxwidth}
\newlength{\kuroseihou@textwidth}
\newlength{\kuroseihou@textheight}
\DeclareRobustCommand{\kuroseihou}[1]{%
  \settowidth{\kuroseihou@textwidth}{#1}%
  \settoheight{\kuroseihou@textheight}{#1}%
  \setlength{\kuroseihou@boxwidth}{\f@size pt}%
  \multiply\kuroseihou@boxwidth by 123 %
  \divide\kuroseihou@boxwidth by 100 %
  \ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustMaruX}{%
    \mbox{%
      \hbox to \kuroseihou@boxwidth{%
        \hss
        \tikz[baseline=(char.base)]{%
          \node[draw, fill=black, line width=0.1ex, minimum size=\dimexpr 0.95\
            dimexpr\f@size pt, inner sep=-\dimexpr 0.125\dimexpr\f@size pt,

```

```

align=center] (char) {\vphantom{\raisebox{0.124ex}{羅}}{\raisebox{\
VerticalAdjustMaruY}{\scalebox{.8}{\hspace*{\dimexpr 0.1\
kuroseihou@boxwidth}}\textcolor{white}{\makebox[.82\
kuroseihou@boxwidth][c]{\maybescale{\kuroseihou@textwidth}{.82\
kuroseihou@boxwidth}{\maybescaleVV{\kuroseihou@textheight}{\
kuroseihou@boxwidth}{#1}}}}\hspace*{\dimexpr 0.1\
kuroseihou@boxwidth}}}}};
}\hss}}}\ltjghostafterjachar
}

\newlength{\seimaru@boxwidth}
\newlength{\seimaru@textwidth}
\newlength{\seimaru@textheight}
\DeclareRobustCommand{\seimaru}[1]{%
  \settowidth{\seimaru@textwidth}{#1}%
  \settoheight{\seimaru@textheight}{#1}%
  \setlength{\seimaru@boxwidth}{\f@size pt}%
  \multiply\seimaru@boxwidth by 123 %
  \divide\seimaru@boxwidth by 100 %
  \ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustMaruX}{%
  \mbox{%
  \hbox to \seimaru@boxwidth{%
  \hss
  \tikz[baseline=(char.base)]{%
    \node[draw, rounded corners=0.435ex, line width=0.1ex, minimum size=.8\
seimaru@boxwidth, inner sep=-\dimexpr 0.125\dimexpr\f@size pt,
align=center] (char) {\vphantom{\raisebox{0.124ex}{羅}}{\raisebox{\
VerticalAdjustMaruY}{\scalebox{.8}{\hspace*{\dimexpr 0.1\
seimaru@boxwidth}}\makebox[.8\seimaru@boxwidth][c]{\maybescale{\
seimaru@textwidth}{.82\seimaru@boxwidth}{\maybescaleVV{\
seimaru@textheight}{\seimaru@boxwidth}{#1}}}}\hspace*{\dimexpr 0.1\
seimaru@boxwidth}}}}};
}\hss}}}\ltjghostafterjachar
}

\newlength{\kuroseimaru@boxwidth}
\newlength{\kuroseimaru@textwidth}
\newlength{\kuroseimaru@textheight}
\DeclareRobustCommand{\kuroseimaru}[1]{%
  \settowidth{\kuroseimaru@textwidth}{#1}%

```

```

\settoheight{\kuroseimaru@textheight}{\#1}%
\setlength{\kuroseimaru@boxwidth}{\f@size pt}%
\multiply\kuroseimaru@boxwidth by 123 %
\divide\kuroseimaru@boxwidth by 100 %
\ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustMaruX}{%
\mbox{%
\hbox to \kuroseimaru@boxwidth{%
\hss
\tikz[baseline=(char.base)]{%
\node[draw, fill=black, rounded corners=0.435ex, line width=0.1ex,
minimum size=.8\kuroseimaru@boxwidth, inner sep=-\dimexpr 0.125\
dimexpr\f@size pt, align=center] (char) {\vphantom{\raisebox{0.124\
ex}{羅}}{\raisebox{\VerticalAdjustMaruY}{\scalebox{.8}{\hspace*{\
dimexpr 0.1\kuroseimaru@boxwidth}\textcolor{white}{\makebox[.8\
kuroseimaru@boxwidth][c]{\maybescale{\kuroseimaru@textwidth}{.82\
kuroseimaru@boxwidth}{\maybescaleVV{\kuroseimaru@textheight}{\
kuroseimaru@boxwidth}{\#1}}}}\hspace*{\dimexpr 0.1\
kuroseimaru@boxwidth}}}}}};
}\hss}}}\ltjghostafterjachar
}

\newcommand{\VerticalAdjustMaruZ}{%
\ifnum\ltjgetparameter{direction}=3
.1ex % 縦組
\else
.42ex % 横組
\fi
}

\newlength{\hishi@boxwidth}
\newlength{\hishi@textwidth}
\newlength{\hishi@textheight}
\DeclareRobustCommand{\hishi}[1]{%
\settowidth{\hishi@textwidth}{\#1}%
\settoheight{\hishi@textheight}{\#1}%
\setlength{\hishi@boxwidth}{\f@size pt}%
\multiply\hishi@boxwidth by 123 %
\divide\hishi@boxwidth by 100 %
\ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustMaruX}{%
\mbox{%

```



```

\hbox to 1.05\hishi@boxwidth{%
\hss
\tikz[baseline=(char.base)]{%
  \node[draw, shape=diamond, line width=0.1ex, minimum size=\dimexpr
    0.95\dimexpr\f@size pt, inner sep=-\dimexpr .13\hishi@boxwidth,
    align=center] (char) {\vphantom{\raisebox{0.124ex}{羅}}{\raisebox{\
VerticalAdjustMaruZ}{\scalebox{.7}{\hspace*{\dimexpr 0.1\
hishi@boxwidth}}\makebox[.67\hishi@boxwidth][c]{\maybescale{\
hishi@textwidth}{.67\hishi@boxwidth}{\maybescaleVVV{\
hishi@textheight}{\hishi@boxwidth}{#1}}}\hspace*{\dimexpr 0.1\
hishi@boxwidth}}}}};
}\hss}}}\ltjghostafterjachar
}

\newlength{\kurohishi@boxwidth}
\newlength{\kurohishi@textwidth}
\newlength{\kurohishi@textheight}
\DeclareRobustCommand{\kurohishi}[1]{%
  \settowidth{\kurohishi@textwidth}{#1}%
  \settoheight{\kurohishi@textheight}{#1}%
  \setlength{\kurohishi@boxwidth}{\f@size pt}%
  \multiply\kurohishi@boxwidth by 123 %
  \divide\kurohishi@boxwidth by 100 %
  \ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustMaruX}{%
\mbox{%
\hbox to 1.05\kurohishi@boxwidth{%
\hss
\tikz[baseline=(char.base)]{%
  \node[draw, shape=diamond, fill=black, line width=0.1ex, minimum size=\
dimexpr 0.95\dimexpr\f@size pt, inner sep=-\dimexpr .13\
kurohishi@boxwidth, align=center] (char) {\vphantom{\raisebox{0.124
ex}{羅}}{\raisebox{\VerticalAdjustMaruZ}{\scalebox{.7}{\hspace*{\
dimexpr 0.1\kurohishi@boxwidth}}\textcolor{white}{\makebox[.7\
kurohishi@boxwidth][c]{\maybescale{\kurohishi@textwidth}{.7\
kurohishi@boxwidth}{\maybescaleVVV{\kurohishi@textheight}{\
kurohishi@boxwidth}{#1}}}\hspace*{\dimexpr 0.1\kurohishi@boxwidth
}}}}}}};
}\hss}}}\ltjghostafterjachar
}

```

```

\newlength{\maruhishi@boxwidth}
\newlength{\maruhishi@textwidth}
\newlength{\maruhishi@textheight}
\DeclareRobustCommand{\maruhishi}[1]{%
  \settowidth{\maruhishi@textwidth}{#1}%
  \settoheight{\maruhishi@textheight}{#1}%
  \setlength{\maruhishi@boxwidth}{\f@size pt}%
  \multiply\maruhishi@boxwidth by 123 %
  \divide\maruhishi@boxwidth by 100 %
  \ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustMaruX}{%
    \mbox{%
      \hbox to 1.05\maruhishi@boxwidth{%
        \hss
        \tikz[baseline=(char.base)]{%
          \node[draw, rounded corners=0.3ex, shape=diamond, line width=0.1ex,
            minimum size=\dimexpr 0.95\dimexpr\f@size pt, inner sep=-\dimexpr
            .13\maruhishi@boxwidth, align=center] (char) {\vphantom{\raisebox
            {0.124ex}{羅}}}\raisebox{\VerticalAdjustMaruZ}{\scalebox{.7}{\
            hspace*\dimexpr 0.1\maruhishi@boxwidth}\makebox[.7\
            maruhishi@boxwidth][c]{\maybescale{\maruhishi@textwidth}{.7\
            maruhishi@boxwidth}{\maybescaleVVV{\maruhishi@textheight}{\
            maruhishi@boxwidth}{#1}}}\hspace*\dimexpr 0.1\maruhishi@boxwidth
            }}}};
        } \hss}}}\ltjghostafterjachar
      }

```

```

\newlength{\kuromaruhishi@boxwidth}
\newlength{\kuromaruhishi@textwidth}
\newlength{\kuromaruhishi@textheight}
\DeclareRobustCommand{\kuromaruhishi}[1]{%
  \settowidth{\kuromaruhishi@textwidth}{#1}%
  \settoheight{\kuromaruhishi@textheight}{#1}%
  \setlength{\kuromaruhishi@boxwidth}{\f@size pt}%
  \multiply\kuromaruhishi@boxwidth by 123 %
  \divide\kuromaruhishi@boxwidth by 100 %
  \ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustMaruX}{%
    \mbox{%
      \hbox to 1.05\kuromaruhishi@boxwidth{%
        \hss
        \tikz[baseline=(char.base)]{%

```

```

\node[draw, fill=black, rounded corners=0.3ex, shape=diamond, line
width=0.1ex, minimum size=\dimexpr 0.95\dimexpr\f@size pt, inner
sep=-\dimexpr .13\kuromaruhishi@boxwidth, align=center] (char) {\
vphantom{\raisebox{0.124ex}{羅}}{\raisebox{\VerticalAdjustMaruZ}{\
scalebox{.7}{\hspace*{\dimexpr 0.1\kuromaruhishi@boxwidth}\
textcolor{white}{\makebox[.7\kuromaruhishi@boxwidth][c]{\maybescale
{\kuromaruhishi@textwidth}{.7\kuromaruhishi@boxwidth}{\
maybescaleVVV{\kuromaruhishi@textheight}{\kuromaruhishi@boxwidth
}{#1}}}\hspace*{\dimexpr 0.1\kuromaruhishi@boxwidth}}}}}};
}\hss}}}\ltjghostafterjachar
}

\newcommand{\VerticalAdjustKakkoX}{%
\ifnum\ltjgetparameter{direction}=3
-0ex % 縦組
\else
-0ex % 横組
\fi
}

\newlength{\kakko@boxwidth}
\newlength{\kakko@textwidth}
\newlength{\kakko@textheight}
\DeclareRobustCommand{\kakko}[1]{%
\settowidth{\kakko@textwidth}{#1}%
\settoheight{\kakko@textheight}{#1}%
\setlength{\kakko@boxwidth}{\f@size pt}%
\multiply\kakko@boxwidth by 123 %
\divide\kakko@boxwidth by 100 %
\ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustKakkoX}{%
\mbox{%
\hbox to \kakko@boxwidth{%
\hss
\tikz[baseline=(char.base)]{%
\node[inner sep=-\dimexpr 0.125\dimexpr\f@size pt, align=center,
minimum size=.8\kakko@boxwidth] (char) {\raisebox{\
VerticalAdjustKakkoX}{\scalebox{1}{\hspace*{\dimexpr 0.02\
kakko@boxwidth}\makebox[.5\kakko@boxwidth][c]{\scalebox{.8}[1]{\
maybescale{\kakko@textwidth}{.5\kakko@boxwidth}{\maybescaleVVVV{\
kakko@textheight}{\kakko@boxwidth}{#1}}\scalebox{.8}[1]{\ } }\hspace

```

```

        *{\dimexpr 0.02\kakko@boxwidth}}}}};
    }\hss}}\ltjghostafterjachar
}

\newlength{\sumikakko@boxwidth}
\newlength{\sumikakko@textwidth}
\newlength{\sumikakko@textheight}
\DeclareRobustCommand{\sumikakko}[1]{%
    \settowidth{\sumikakko@textwidth}{\#1}%
    \settoheight{\sumikakko@textheight}{\#1}%
    \setlength{\sumikakko@boxwidth}{\f@size pt}%
    \multiply\sumikakko@boxwidth by 123 %
    \divide\sumikakko@boxwidth by 100 %
    \ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustKakkoX}{%
    \mbox{%
    \hbox to \sumikakko@boxwidth{%
    \hss
    \tikz[baseline=(char.base)]{%
        \node[inner sep=-\dimexpr 0.125\dimexpr\f@size pt, align=center,
            minimum size=.8\sumikakko@boxwidth] (char) {\raisebox{\
            VerticalAdjustKakkoX}{\scalebox{1}{\hspace*{\dimexpr 0.02\
            sumikakko@boxwidth}}\makebox[.5\sumikakko@boxwidth][c]{\scalebox
            {.6}[1]{【}\maybescale{\sumikakko@textwidth}{.5\sumikakko@boxwidth
            }{\maybescaleVVVV{\sumikakko@textheight}{\sumikakko@boxwidth}{\#1}}\
            scalebox{.6}[1]{】}\hspace*{\dimexpr 0.02\sumikakko@boxwidth}}}}}}};
    }\hss}}}\ltjghostafterjachar
}

\newlength{\kakukakko@boxwidth}
\newlength{\kakukakko@textwidth}
\newlength{\kakukakko@textheight}
\DeclareRobustCommand{\kakukakko}[1]{%
    \settowidth{\kakukakko@textwidth}{\#1}%
    \settoheight{\kakukakko@textheight}{\#1}%
    \setlength{\kakukakko@boxwidth}{\f@size pt}%
    \multiply\kakukakko@boxwidth by 123 %
    \divide\kakukakko@boxwidth by 100 %
    \ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustKakkoX}{%
    \mbox{%
    \hbox to \kakukakko@boxwidth{%

```

```

\hss
\tikz[baseline=(char.base)]{%
  \node[inner sep=-\dimexpr 0.125\dimexpr\f@size pt, align=center,
    minimum size=.8\kakukakko@boxwidth] (char) {\raisebox{\
      VerticalAdjustKakkoX}{\scalebox{1}{\hspace*{\dimexpr 0.02\
        kakukakko@boxwidth}\makebox[.5\kakukakko@boxwidth][c]{\scalebox
          {.6}[1]{\hspace*{\dimexpr 0.02\kakukakko@boxwidth}}\
          \maybescale{\kakukakko@textwidth}{.5\kakukakko@boxwidth}\
          \maybescaleVVVV{\kakukakko@textheight}{\kakukakko@boxwidth}{\#1}}\
          \scalebox{.6}[1]{\hspace*{\dimexpr 0.02\kakukakko@boxwidth}}}}}};
}\hss}}\ltjghostafterjachar
}

\newlength{\kikakko@boxwidth}
\newlength{\kikakko@textwidth}
\newlength{\kikakko@textheight}
\DeclareRobustCommand{\kikakko}[1]{%
  \settowidth{\kikakko@textwidth}{\#1}%
  \settoheight{\kikakko@textheight}{\#1}%
  \setlength{\kikakko@boxwidth}{\f@size pt}%
  \multiply\kikakko@boxwidth by 123 %
  \divide\kikakko@boxwidth by 100 %
  \ltjghostbeforejachar\vphantom{\羅}\raisebox{\VerticalAdjustKakkoX}{%
    \mbox{%
      \hbox to \kikakko@boxwidth{%
        \hss
        \tikz[baseline=(char.base)]{%
          \node[inner sep=-\dimexpr 0.125\dimexpr\f@size pt, align=center,
            minimum size=.8\kikakko@boxwidth] (char) {\raisebox{\
              VerticalAdjustKakkoX}{\scalebox{1}{\hspace*{\dimexpr 0.02\
                kikakko@boxwidth}\makebox[.5\kikakko@boxwidth][c]{\scalebox{.6}[1]{\
                  \hspace*{\dimexpr 0.02\kikakko@boxwidth}}\
                  \maybescale{\kikakko@textwidth}{.5\kikakko@boxwidth}{\
                  \maybescaleVVVV{\kikakko@textheight}{\kikakko@boxwidth}{\#1}}\
                  \scalebox{.6}[1]{\hspace*{\dimexpr 0.02\kikakko@boxwidth}}}}}};
          }\hss}}\ltjghostafterjachar
        }
      }
    }
  }
}

\newlength{\yakko@boxwidth}
\newlength{\yakko@textwidth}
\newlength{\yakko@textheight}
\DeclareRobustCommand{\yakko}[1]{%

```

```

\settowidth{\yakko@textwidth}{#1}%
\settoheight{\yakko@textheight}{#1}%
\setlength{\yakko@boxwidth}{\f@size pt}%
\multiply\yakko@boxwidth by 123 %
\divide\yakko@boxwidth by 100 %
\ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustKakkoX}{%
\mbox{%
\hbox to \yakko@boxwidth{%
\hss
\tikz[baseline=(char.base)]{%
\node[inner sep=-\dimexpr 0.125\dimexpr\f@size pt, align=center,
minimum size=.8\yakko@boxwidth] (char) {\raisebox{\
VerticalAdjustKakkoX}{\scalebox{1}{\hspace*{\dimexpr 0.02\
yakko@boxwidth}\makebox[.5\yakko@boxwidth][c]{\scalebox{.6}[1]{\
<>\maybescale{\yakko@textwidth}{.5\yakko@boxwidth}{\
maybescaleVVVV{\yakko@textheight}{\yakko@boxwidth}{#1}}\scalebox
{.6}[1]{> }}}\hspace*{\dimexpr 0.02\yakko@boxwidth}}}}};
}\hss}}}\ltjghostafterjachar
}

\newlength{\nykakko@boxwidth}
\newlength{\nykakko@textwidth}
\newlength{\nykakko@textheight}
\DeclareRobustCommand{\nykakko}[1]{%
\settowidth{\nykakko@textwidth}{#1}%
\settoheight{\nykakko@textheight}{#1}%
\setlength{\nykakko@boxwidth}{\f@size pt}%
\multiply\nykakko@boxwidth by 123 %
\divide\nykakko@boxwidth by 100 %
\ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustKakkoX}{%
\mbox{%
\hbox to \nykakko@boxwidth{%
\hss
\tikz[baseline=(char.base)]{%
\node[inner sep=-\dimexpr 0.125\dimexpr\f@size pt, align=center,
minimum size=.8\nykakko@boxwidth] (char) {\raisebox{\
VerticalAdjustKakkoX}{\scalebox{1}{\hspace*{\dimexpr 0.02\
nykakko@boxwidth}\makebox[.5\nykakko@boxwidth][c]{\scalebox{.6}[1]{\
《>\maybescale{\nykakko@textwidth}{.5\nykakko@boxwidth}{\
maybescaleVVVV{\nykakko@textheight}{\nykakko@boxwidth}{#1}}\

```

```

        scalebox{.6}[1]{\rangle}}\hspace*{\dimexpr 0.02\nykakko@boxwidth}}}}};
    }\hss}}\ltjghostafterjachar
}

\newlength{\namikakko@boxwidth}
\newlength{\namikakko@textwidth}
\newlength{\namikakko@textheight}
\DeclareRobustCommand{\namikakko}[1]{%
    \settowidth{\namikakko@textwidth}{\#1}%
    \settoheight{\namikakko@textheight}{\#1}%
    \setlength{\namikakko@boxwidth}{\f@size pt}%
    \multiply\namikakko@boxwidth by 123 %
    \divide\namikakko@boxwidth by 100 %
    \ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustKakkoX}{%
    \mbox{%
    \hbox to \namikakko@boxwidth{%
    \hss
    \tikz[baseline=(char.base)]{%
        \node[inner sep=-\dimexpr 0.125\dimexpr\f@size pt, align=center,
            minimum size=.8\namikakko@boxwidth] (char) {\raisebox{\
            VerticalAdjustKakkoX}{\scalebox{1}{\hspace*{\dimexpr 0.02\
            namikakko@boxwidth}\makebox[.5\namikakko@boxwidth][c]{\scalebox
            {.6}[1]{\rangle}\maybescale{\namikakko@textwidth}{.5\namikakko@boxwidth
            }\maybescaleVVVV{\namikakko@textheight}{\namikakko@boxwidth}{\#1}}\
            scalebox{.6}[1]{\rangle}}\hspace*{\dimexpr 0.02\namikakko@boxwidth}}}}};
    }\hss}}\ltjghostafterjachar
}

\newlength{\kagikakko@boxwidth}
\newlength{\kagikakko@textwidth}
\newlength{\kagikakko@textheight}
\DeclareRobustCommand{\kagikakko}[1]{%
    \settowidth{\kagikakko@textwidth}{\#1}%
    \settoheight{\kagikakko@textheight}{\#1}%
    \setlength{\kagikakko@boxwidth}{\f@size pt}%
    \multiply\kagikakko@boxwidth by 123 %
    \divide\kagikakko@boxwidth by 100 %
    \ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustKakkoX}{%
    \mbox{%
    \hbox to \kagikakko@boxwidth{%

```

```

\hss
\tikz[baseline=(char.base)]{%
  \node[inner sep=-\dimexpr 0.125\dimexpr\f@size pt, align=center,
    minimum size=.8\kagikakko@boxwidth] (char) {\raisebox{\
      VerticalAdjustKakkoX}{\scalebox{1}{\hspace*{\dimexpr 0.02\
        kagikakko@boxwidth}\makebox[.5\kagikakko@boxwidth][c]{\scalebox
          {.6}[1]{「}\maybescale{\kagikakko@textwidth}{.5\kagikakko@boxwidth
            }\maybescaleVVVV{\kagikakko@textheight}{\kagikakko@boxwidth}{#1}}\
          scalebox{.6}[1]{」}\hspace*{\dimexpr 0.02\kagikakko@boxwidth}}}}};
}\hss}}\ltjghostafterjachar
}

\newlength{\nkagikakko@boxwidth}
\newlength{\nkagikakko@textwidth}
\newlength{\nkagikakko@textheight}
\DeclareRobustCommand{\nkagikakko}[1]{%
  \settowidth{\nkagikakko@textwidth}{#1}%
  \settoheight{\nkagikakko@textheight}{#1}%
  \setlength{\nkagikakko@boxwidth}{\f@size pt}%
  \multiply\nkagikakko@boxwidth by 123 %
  \divide\nkagikakko@boxwidth by 100 %
  \ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustKakkoX}{%
    \mbox{%
      \hbox to \nkagikakko@boxwidth{%
        \hss
        \tikz[baseline=(char.base)]{%
          \node[inner sep=-\dimexpr 0.125\dimexpr\f@size pt, align=center,
            minimum size=.8\nkagikakko@boxwidth] (char) {\raisebox{\
              VerticalAdjustKakkoX}{\scalebox{1}{\hspace*{\dimexpr 0.02\
                nkagikakko@boxwidth}\makebox[.5\nkagikakko@boxwidth][c]{\scalebox
                  {.6}[1]{『}\maybescale{\nkagikakko@textwidth}{.5\
                    nkagikakko@boxwidth}\maybescaleVVVV{\nkagikakko@textheight}{\
                    nkagikakko@boxwidth}{#1}}\scalebox{.6}[1]{』}\hspace*{\dimexpr
                      0.02\nkagikakko@boxwidth}}}}};
          }\hss}}\ltjghostafterjachar
        }
      }
    }
  }
  \newlength{\period@boxwidth}
  \newlength{\period@textwidth}
  \newlength{\period@textheight}

```



```

\DeclareRobustCommand{\period}[1]{%
  \settowidth{\period@textwidth}{\#1}%
  \setlength{\period@boxwidth}{\f@size pt}%
  \settoheight{\period@textheight}{\#1}%
  \multiply\period@boxwidth by 123 %
  \divide\period@boxwidth by 100 %
  \ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustKakkoX}{%
    \mbox{%
      \hbox to \period@boxwidth{%
        \hss
        \tikz[baseline=(char.base)]{%
          \node[inner sep=-\dimexpr 0.125\dimexpr\f@size pt, align=center,
            minimum size=.8\period@boxwidth] (char) {\raisebox{\
              VerticalAdjustKakkoX}{\scalebox{1}{\hspace*{\dimexpr 0.02\
                period@boxwidth}\makebox[.5\period@boxwidth][c]{\maybescale{\
                  period@textwidth}{.5\period@boxwidth}{\maybescaleVVVV{\
                    period@textheight}{\period@boxwidth}{\#1}}\scalebox{1}[1]{.}}\hspace
                    *{\dimexpr 0.02\period@boxwidth}}}}};
          }\hss}}}\ltjghostafterjachar
        }

```

```

\newlength{\ichimoji@boxwidth}
\newlength{\ichimoji@textwidth}
\newlength{\ichimoji@textheight}
\DeclareRobustCommand{\ichimoji}[1]{%
  \settowidth{\ichimoji@textwidth}{\#1}%
  \setlength{\ichimoji@boxwidth}{\f@size pt}%
  \settoheight{\ichimoji@textheight}{\#1}%
  \multiply\ichimoji@boxwidth by 100 %
  \divide\ichimoji@boxwidth by 100 %
  \ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustKakkoX}{%
    \mbox{%
      \hbox to \ichimoji@boxwidth{%
        \hss
        \tikz[baseline=(char.base)]{%
          \node[inner sep=-\dimexpr 0.125\dimexpr\f@size pt, align=center,
            minimum size=.8\ichimoji@boxwidth] (char) {\raisebox{\
              VerticalAdjustKakkoX}{\scalebox{1}{\hspace*{\dimexpr 0.02\
                ichimoji@boxwidth}\makebox[\ichimoji@boxwidth][c]{\maybescale{\
                  ichimoji@textwidth}{\ichimoji@boxwidth}{\maybescaleVVVV{\

```

```

        ichimoji@textheight}{\ichimoji@boxwidth}{#1}}\hspace*{\dimexpr
        0.02\ichimoji@boxwidth}}}}};
    }\hss}}}\ltjghostafterjachar
}
\endinput

```