

KKsymbols Package Documentation

Kosei Kawaguchi a.k.a. KKTeX

Version 1.1.0 (2025/10/28)

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-ja`
- `tikz`
- `clac`

Load the package:

```
\usepackage{KKsymbols}
```

3 Caution

Since this package internally calls `\ltjghostbeforejachar` and `\ltjghostafterjachar`, 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	\maru	\kuromaru	\nmaru
1	①	①	①
97	⑨⑦	⑨⑦	⑨⑦
だ	だ	だ	だ
ばばば	ばばば	ばばば	ばばば

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

あいう $\text{\textcircled{あ}}$ 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

jb あ Aj 田

▷ 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	①	①
97	⑨⑦	⑨⑦
だ	だ	だ
ばばば	ばばば	ばばば

表 3: seimaru series

argument	\seimaru	\kuroseimaru
1	①	①
97	⑨⑦	⑨⑦
だ	だ	だ
ばばば	ばばば	ばばば

表 4: hishi series

argument	\hishi	\kurohishi	\maruhishi	\kuomaruhishi
1	◇	◆	◇	◆
97	◇	◆	◇	◆
だ	だ	だ	だ	だ
ばばば	ばばば	ばばば	ばばば	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{jj
  j}}\hishi{\ndccare{a}}
```

```
\hishi{\dccare{j}\ndccare{b}\dccare{j}}\hishi{あ\dccare{g}}\hishi{A\dccare{j
  }}\hishi{田\ndccare{a}}
```

```
g jjj j jjj a
```

```
jjj あ Ai 田
```

```
◇ 田 j 田 a
```

```
田 田 j 田
```

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⟩
ぼぼぼ	(<small>ぼ</small>)	【 <small>ぼ</small> 】	[<small>ぼ</small>]	〔 <small>ぼ</small> 〕	⟨ <small>ぼ</small> ⟩

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
ぼぼぼ	《 <small>ぼ</small> 》	{ <small>ぼ</small> }	「 <small>ぼ</small> 」	『 <small>ぼ</small> 』	<small>ぼ</small> .	<small>ぼ</small>

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)(j)(iii)(a)

(jii)(あ)(A)(田)

▷ \ichimoji

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

123あいう123あい

7 License

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

8 Example outputs

```
\maru{\slowcare{a}}  
\maru{\slowcare{b}}  
\maru{\slowcare{c}}  
\maru{\slowcare{d}}  
\maru{\slowcare{e}}  
\maru{\slowcare{f}}  
\maru{\slowcare{g}}  
\maru{\slowcare{h}}  
\maru{\slowcare{i}}  
\maru{\slowcare{j}}  
\maru{\slowcare{k}}  
\maru{\slowcare{l}}  
\maru{\slowcare{m}}  
\maru{\slowcare{n}}  
\maru{\slowcare{o}}  
\maru{\slowcare{p}}  
\maru{\slowcare{q}}  
\maru{\slowcare{r}}  
\maru{\slowcare{s}}  
\maru{\slowcare{t}}  
\maru{\slowcare{u}}  
\maru{\slowcare{v}}  
\maru{\slowcare{w}}  
\maru{\slowcare{x}}  
\maru{\slowcare{y}}  
\maru{\slowcare{z}}
```

```
\maru{A}  
\maru{B}  
\maru{C}  
\maru{D}  
\maru{E}  
\maru{F}  
\maru{G}  
\maru{H}  
\maru{I}
```

`\maru{J}`
`\maru{K}`
`\maru{L}`
`\maru{M}`
`\maru{N}`
`\maru{O}`
`\maru{P}`
`\maru{\dccare{Q}}`
`\maru{R}`
`\maru{S}`
`\maru{T}`
`\maru{U}`
`\maru{V}`
`\maru{W}`
`\maru{X}`
`\maru{Y}`
`\maru{Z}`

`\seihou{\slowcare{a}}`
`\seihou{\slowcare{b}}`
`\seihou{\slowcare{c}}`
`\seihou{\slowcare{d}}`
`\seihou{\slowcare{e}}`
`\seihou{\slowcare{f}}`
`\seihou{\slowcare{g}}`
`\seihou{\slowcare{h}}`
`\seihou{\slowcare{i}}`
`\seihou{\slowcare{j}}`
`\seihou{\slowcare{k}}`
`\seihou{\slowcare{l}}`
`\seihou{\slowcare{m}}`
`\seihou{\slowcare{n}}`
`\seihou{\slowcare{o}}`
`\seihou{\slowcare{p}}`
`\seihou{\slowcare{q}}`
`\seihou{\slowcare{r}}`
`\seihou{\slowcare{s}}`
`\seihou{\slowcare{t}}`
`\seihou{\slowcare{u}}`
`\seihou{\slowcare{v}}`

`\seihou{\slowcare{w}}`
`\seihou{\slowcare{x}}`
`\seihou{\slowcare{y}}`
`\seihou{\slowcare{z}}`

`\seihou{A}`
`\seihou{B}`
`\seihou{C}`
`\seihou{D}`
`\seihou{E}`
`\seihou{F}`
`\seihou{G}`
`\seihou{H}`
`\seihou{I}`
`\seihou{J}`
`\seihou{K}`
`\seihou{L}`
`\seihou{M}`
`\seihou{N}`
`\seihou{O}`
`\seihou{P}`
`\seihou{\dccare{Q}}`
`\seihou{R}`
`\seihou{S}`
`\seihou{T}`
`\seihou{U}`
`\seihou{V}`
`\seihou{W}`
`\seihou{X}`
`\seihou{Y}`
`\seihou{Z}`

`\hishi{\slowcare{a}}`
`\hishi{\slowcare{b}}`
`\hishi{\slowcare{c}}`
`\hishi{\slowcare{d}}`
`\hishi{\slowcare{e}}`
`\hishi{\slowcare{f}}`
`\hishi{\slowcare{g}}`
`\hishi{\slowcare{h}}`

`\hishi{\slowcare{i}}`
`\hishi{\slowcare{j}}`
`\hishi{\slowcare{k}}`
`\hishi{\slowcare{l}}`
`\hishi{\slowcare{m}}`
`\hishi{\slowcare{n}}`
`\hishi{\slowcare{o}}`
`\hishi{\slowcare{p}}`
`\hishi{\slowcare{q}}`
`\hishi{\slowcare{r}}`
`\hishi{\slowcare{s}}`
`\hishi{\slowcare{t}}`
`\hishi{\slowcare{u}}`
`\hishi{\slowcare{v}}`
`\hishi{\slowcare{w}}`
`\hishi{\slowcare{x}}`
`\hishi{\slowcare{y}}`
`\hishi{\slowcare{z}}`

`\hishi{A}`
`\hishi{B}`
`\hishi{C}`
`\hishi{D}`
`\hishi{E}`
`\hishi{F}`
`\hishi{G}`
`\hishi{H}`
`\hishi{I}`
`\hishi{J}`
`\hishi{K}`
`\hishi{L}`
`\hishi{M}`
`\hishi{N}`
`\hishi{O}`
`\hishi{P}`
`\hishi{\dccare{Q}}`
`\hishi{R}`
`\hishi{S}`
`\hishi{T}`
`\hishi{U}`

`\hishi{V}`
`\hishi{W}`
`\hishi{X}`
`\hishi{Y}`
`\hishi{Z}`

`\kakko{\slowcare{a}}`
`\kakko{\slowcare{b}}`
`\kakko{\slowcare{c}}`
`\kakko{\slowcare{d}}`
`\kakko{\slowcare{e}}`
`\kakko{\slowcare{f}}`
`\kakko{\slowcare{g}}`
`\kakko{\slowcare{h}}`
`\kakko{\slowcare{i}}`
`\kakko{\slowcare{j}}`
`\kakko{\slowcare{k}}`
`\kakko{\slowcare{l}}`
`\kakko{\slowcare{m}}`
`\kakko{\slowcare{n}}`
`\kakko{\slowcare{o}}`
`\kakko{\slowcare{p}}`
`\kakko{\slowcare{q}}`
`\kakko{\slowcare{r}}`
`\kakko{\slowcare{s}}`
`\kakko{\slowcare{t}}`
`\kakko{\slowcare{u}}`
`\kakko{\slowcare{v}}`
`\kakko{\slowcare{w}}`
`\kakko{\slowcare{x}}`
`\kakko{\slowcare{y}}`
`\kakko{\slowcare{z}}`

`\kakko{A}`
`\kakko{B}`
`\kakko{C}`
`\kakko{D}`
`\kakko{E}`
`\kakko{F}`
`\kakko{G}`

`\kakko{H}`
`\kakko{I}`
`\kakko{J}`
`\kakko{K}`
`\kakko{L}`
`\kakko{M}`
`\kakko{N}`
`\kakko{O}`
`\kakko{P}`
`\kakko{\dccare{Q}}`
`\kakko{R}`
`\kakko{S}`
`\kakko{T}`
`\kakko{U}`
`\kakko{V}`
`\kakko{W}`
`\kakko{X}`
`\kakko{Y}`
`\kakko{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)
 (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]
 [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
 ◊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)
 (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)

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.

- v1.1.0 (2025/10/28) — Unify all commands to zenkaku width.

10 Source Code

```

\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{KKsymbols}[2025/10/28, Version 1.1.0]
\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} [.9]{#1}}%
  \else
    % 横書き
    \vphantom{田}\raisebox{\dimexpr.155\dimexpr\f@size pt\relax}{\scalebox
      {1} [.9]{#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{\VerticalAdjustSlowcare}{#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
-0.035ex % 縦組
\else
0.19ex % 横組
\fi
}

\newcommand{\VerticalAdjustNMaru}{%
\ifnum\ltjgetparameter{direction}=3
-0.035ex % 縦組
\else
0.23ex % 横組
\fi
}

\newcommand{\maybescale}[3]{%
\ifdim #1 > #2%

```



```

\ifdim #1 > 0pt%
  \edef\scalearfactor{%
    \fpeval{ \strip@pt\dimexpr #2\relax / \strip@pt\dimexpr #1\relax }%
  }%
\else%
  \def\scalearfactor{1}%
\fi%
\scalebox{\scalearfactor}[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)}}%
      }%
    \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}%
  \ltjghostbeforejachar%
  \vphantom{羅}\raisebox{\VerticalAdjustMaru}{%
    \hbox to \maru@boxwidth{%
      \hss
      \tikz[baseline=(char.base)]{%
        \node[
          shape=circle,
          line width=0.08ex,
          minimum size=.9\maru@boxwidth,
          draw,
          inner sep=\dimexpr -0.22\dimexpr\f@size pt
        ] (char){%
          \raisebox{0.033ex}{\scalebox{0.75}{\vphantom{羅}\makebox[.83\maru@boxwidth][c]{\maybescale{\maru@textwidth}{.8\maru@boxwidth}{\maybescaleV{\maru@textheight}{1.03\maru@boxwidth}{#1}}}}}%
        };
      }%
      \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}%
  \ltjghostbeforejachar%
  \vphantom{羅}\raisebox{\VerticalAdjustMaru}{%

```

```

\hbox to \kuromaru@boxwidth{%
  \hss
  \tikz[baseline=(char.base)]{%
    \node[
      shape=circle,
      line width=0.08ex,
      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}{.82\kuromaru@boxwidth}{\maybescaleV{\
            kuromaru@textheight}{1.03\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}%
  \ltjghostbeforejachar%
  \vphantom{羅}\raisebox{\VerticalAdjustNMaru}{%
    \hbox to 1.02\nmaru@boxwidth{%
      \hss
      \tikz[baseline=(char.base),scale=.93]{%
        \node[
          shape=circle,
          line width=0.06ex,
          minimum size=.9\nmaru@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\
    nmaru@boxwidth][c]{\maybescale{\nmaru@textwidth}{.81\
    nmaru@boxwidth}{\maybescaleV{\nmaru@textheight}{1.03\
    nmaru@boxwidth}{#1}}}}}%
};
}%
\hss
}%
}%
\ltjghostafterjachar
}

\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}%
  \ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustMaruX}{%
  \mbox{%
  \hbox to \seihou@boxwidth{%

```

```

\hss
\tikz[baseline=(char.base)]{%
  \node[draw, line width=0.08ex, minimum size=\dimexpr 0.88\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}{1.23\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}%
  \ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustMaruX}{%
  \mbox{%
  \hbox to \kuroseihou@boxwidth{%
  \hss
  \tikz[baseline=(char.base)]{%
    \node[draw, fill=black, line width=0.08ex, minimum size=\dimexpr 0.88\
      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}{1.23\
      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}%
  \ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustMaruX}{%
  \mbox{%
  \hbox to \seimaru@boxwidth{%
  \hss
  \tikz[baseline=(char.base)]{%
    \node[draw, rounded corners=0.435ex, line width=0.08ex, minimum size
      =.88\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}{1.23\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}%
  \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=0.08ex,
      minimum size=.88\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}{1.23\
      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}%
  \ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustMaruX}{%
    \mbox{%
      \hbox to \hishi@boxwidth{%
        \hss
        \tikz[baseline=(char.base)]{%
          \node[draw, shape=diamond, line width=0.08ex, 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{.53}{\hspace*{\dimexpr 0.1\
            hishi@boxwidth}\makebox[.67\hishi@boxwidth][c]{\maybescale\
            hishi@textwidth}{.67\hishi@boxwidth}{\maybescaleVVV\
            hishi@textheight}{1.7\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}%
\ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustMaruX}{%
\mbox{%
\hbox to \kurohishi@boxwidth{%
\hss
\tikz[baseline=(char.base)]{%
\node[draw, shape=diamond, fill=black, line width=0.08ex, 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{.53}{\hspace*{\
dimexpr 0.1\kurohishi@boxwidth}\textcolor{white}{\makebox[.67\
kurohishi@boxwidth] [c]{\maybescale{\kurohishi@textwidth}{.67\
kurohishi@boxwidth}{\maybescaleVVV{\kurohishi@textheight}{1.7\
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}%
\ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustMaruX}{%
\mbox{%
\hbox to \maruhishi@boxwidth{%
\hss
\tikz[baseline=(char.base)]{%
\node[draw, rounded corners=0.3ex, shape=diamond, line width=0.08ex,
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{.53}{\
hspace*{\dimexpr 0.1\maruhishi@boxwidth}\makebox[.67\
maruhishi@boxwidth] [c]{\maybescale{\maruhishi@textwidth}{.67\
maruhishi@boxwidth}{\maybescaleVVV{\maruhishi@textheight}{1.7\
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}%
  \ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustMaruX}{%
    \mbox{%
      \hbox to \kuromaruhishi@boxwidth{%
        \hss
        \tikz[baseline=(char.base)]{%
          \node[draw, fill=black, rounded corners=0.3ex, shape=diamond, line
            width=0.08ex, 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{.57}{\hspace*{\dimexpr 0.1\kuromaruhishi@boxwidth}\textcolor{white}{\makebox[.67\kuromaruhishi@boxwidth][c]{\maybescale{\kuromaruhishi@textwidth}{.67\kuromaruhishi@boxwidth}{\maybescaleVV{\kuromaruhishi@textheight}{1.7\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}%
\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}{1.23\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}%
\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}{1.23\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}%
  \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]{ [ ]\maybescale{\kakukakko@textwidth}{.5\kakukakko@boxwidth
      }\maybescaleVVVV{1.23\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}%
  \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]{
      [ ]\maybescale{\kikakko@textwidth}{.5\kikakko@boxwidth}{\

```

```

        maybescaleVVVV{1.23\kikakko@textheight}{\kikakko@boxwidth}{#1}}\
        scalebox{.6}[1]{ } }\hspace*{\dimexpr 0.02\kikakko@boxwidth}}};
    }\hss}}\ltjghostafterjachar
}

```

```

\newlength{\ykakko@boxwidth}
\newlength{\ykakko@textwidth}
\newlength{\ykakko@textheight}
\DeclareRobustCommand{\ykakko}[1]{%
    \settowidth{\ykakko@textwidth}{#1}%
    \settoheight{\ykakko@textheight}{#1}%
    \setlength{\ykakko@boxwidth}{\f@size pt}%
    \ltjghostbeforejachar\vphantom{羅}\raisebox{\VerticalAdjustKakkoX}{%
    \mbox{%
    \hbox to \ykakko@boxwidth{%
    \hss
    \tikz[baseline=(char.base)]{%
        \node[inner sep=-\dimexpr 0.125\dimexpr\f@size pt, align=center,
            minimum size=.8\ykakko@boxwidth] (char) {\raisebox{\
            VerticalAdjustKakkoX}{\scalebox{1}{\hspace*{\dimexpr 0.02\
            ykakko@boxwidth}\makebox[.5\ykakko@boxwidth][c]{\scalebox{.6}[1]{\
            <}\maybescale{\ykakko@textwidth}{.5\ykakko@boxwidth}{\
            maybescaleVVVV{1.23\ykakko@textheight}{\ykakko@boxwidth}{#1}}\
            scalebox{.6}[1]{> } }\hspace*{\dimexpr 0.02\ykakko@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}%
    \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\nyakko@boxwidth] (char) {{\raisebox{\
        VerticalAdjustKakkoX}{\scalebox{1}{\hspace*{\dimexpr 0.02\
        nyakko@boxwidth}\makebox[.5\nyakko@boxwidth][c]{\scalebox{.6}[1]{\
        《}\maybescale{\nyakko@textwidth}{.5\nyakko@boxwidth}{\
        maybescaleVVVV{1.23\nyakko@textheight}{\nyakko@boxwidth}{#1}}\
        scalebox{.6}[1]{《}}}\hspace*{\dimexpr 0.02\nyakko@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}%
    \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]{ }}\maybescale{\namikakko@textwidth}{.5\namikakko@boxwidth
        }\maybescaleVVVV{1.23\namikakko@textheight}{\namikakko@boxwidth
        }{#1}}\scalebox{.6}[1]{ }}}\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}%
    \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{1.23\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}%
  \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{1.23\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}%
  \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{1.23\
      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
```