`KKsymbols` Package Documentation

Kosei Kawaguchi a.k.a KKTeX

Version 1.0.2 (2025/10/05)

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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`
- `bxghost`

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	❶	⓵
97	㊼	㊼	㊼
だ	㋛	㋛	㋛
ばばば	㍿	㍿	㍿

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

あいう㋐あいう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}}
```

ⓖⓖⓖⓙⓙⓙⓐ

ⓙbⓙⓐgⒶjⓐ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}}...
```

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

▷ **"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}
```

ⓆⓆⓆ.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	\kuromaruhishi
1	1	1	1	1
97	97	97	97	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{jjj
    }}\hishi{\ndccare{a}}
\hishi{\dccare{j}\ndccare{b}\dccare{j}}\hishi{あ\dccare{g}}\hishi{A\dccare{j
    }}\hishi{田\ndccare{a}}
```

g ggg j jjj a

jbj あg Aj 田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	(ばばば)	【ばばば】	[ばばば]	〔ばばば〕	〈ばばば〉

表 6: kakko series ②

argument	\nykakko	\namikakko	\kagikakko	\nkagikakko	\period
1	⟪1⟫	{1}	「1」	『1』	1.
97	⟪97⟫	{97}	「97」	『97』	97.
だ	⟪だ⟫	{だ}	「だ」	『だ』	だ.
ばばば	⟪ばばば⟫	{ばばば}	「ばばば」	『ばばば』	ばばば.

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)(ggg)(j)(jjj)(a)
(jbj)(あgg)(Aj)(田a)

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}
```

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

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

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(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.

10 Source Code

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{KKsymbols}[2025/10/05, Version 1.0.2]
\RequirePackage{bxghost}
\RequirePackage{expl3}
\RequirePackage{calc}
\RequirePackage{tikz}
\usetikzlibrary{shapes}

\makeatletter
\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}
\makeatother

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

```
  \else
    -.04em % 横組
  \fi
}
\makeatother

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

\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

\makeatletter
\newcommand{\VerticalAdjustMaru}{%
  \ifnum\ltjgetparameter{direction}=3
    -0.06ex % 縦組
  \else
```

```
    0.19ex % 横組
  \fi
}
\makeatother

\makeatletter
\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
\makeatletter
\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)}%
      }%
      \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
}
\makeatother

\makeatletter
\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), overlay]{%
    \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
}
\makeatother

\makeatletter
\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), overlay]{%
        \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
}
```

```
\makeatother

\makeatletter
\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\nmaru@boxwidth{%
      \hss
      \tikz[baseline=(char.base), overlay, scale=.93]{%
        \node[
          shape=circle,
          line width=0.1ex,
          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}{.85\
              nmaru@boxwidth}{\maybescaleV{\nmaru@textheight}{\nmaru@boxwidth
              }{#1}}}}}%
        };
      }%
      \hss
    }%
  }%
  \ltjghostafterjachar
}
\makeatother


\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
}

\makeatletter
\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
}
\makeatother
```

```
\makeatletter
\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
}
\makeatother

\makeatletter
\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
}
\makeatother

\makeatletter
\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
}
\makeatother

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

\makeatletter
\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
}
\makeatother

\makeatletter
```

```
\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
}
\makeatother

\makeatletter
\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
}
\makeatother

\makeatletter
\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
```

```
}
\makeatother

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

\makeatletter
\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
}
\makeatother

\makeatletter
\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
}
\makeatother

\makeatletter
\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]{〔}\maybescale{\kakukakko@textwidth}{.5\kakukakko@boxwidth
          }{\maybescaleVVVV{\kakukakko@textheight}{\kakukakko@boxwidth}{#1}}\
          scalebox{.6}[1]{〕}}\hspace*{\dimexpr 0.02\kakukakko@boxwidth}}}}};
  }\hss}}}\ltjghostafterjachar
}
\makeatother

\makeatletter
\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]{
           〔}\maybescale{\kikakko@textwidth}{.5\kikakko@boxwidth}{\
          maybescaleVVVV{\kikakko@textheight}{\kikakko@boxwidth}{#1}}\
          scalebox{.6}[1]{〕}}\hspace*{\dimexpr 0.02\kikakko@boxwidth}}}}};
  }\hss}}}\ltjghostafterjachar
}
\makeatother

\makeatletter
\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}%
  \multiply\ykakko@boxwidth by 123 %
  \divide\ykakko@boxwidth by 100 %
  \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{\ykakko@textheight}{\ykakko@boxwidth}{#1}}\scalebox
          {.6}[1]{〉 }}\hspace*{\dimexpr 0.02\ykakko@boxwidth}}}}};
  }\hss}}}\ltjghostafterjachar
}
\makeatother

\makeatletter
\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]{》}}\hspace*{\dimexpr 0.02\nykakko@boxwidth}}}}};
  }\hss}}}\ltjghostafterjachar
}
\makeatother

\makeatletter
\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]{〔}\maybescale{\namikakko@textwidth}{.5\namikakko@boxwidth
          }{\maybescaleVVVV{\namikakko@textheight}{\namikakko@boxwidth}{#1}}\
          scalebox{.6}[1]{〕}}\hspace*{\dimexpr 0.02\namikakko@boxwidth}}}}};
  }\hss}}}\ltjghostafterjachar
}
\makeatother

\makeatletter
\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
}
\makeatother

\makeatletter
\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
}
\makeatother

\makeatletter
\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
}
\makeatother

\endinput
```