

KKsymbols Package Documentation

Kosei Kawaguchi a.k.a. KKTeX

Version 2.0.0 (2025/12/23)

目次

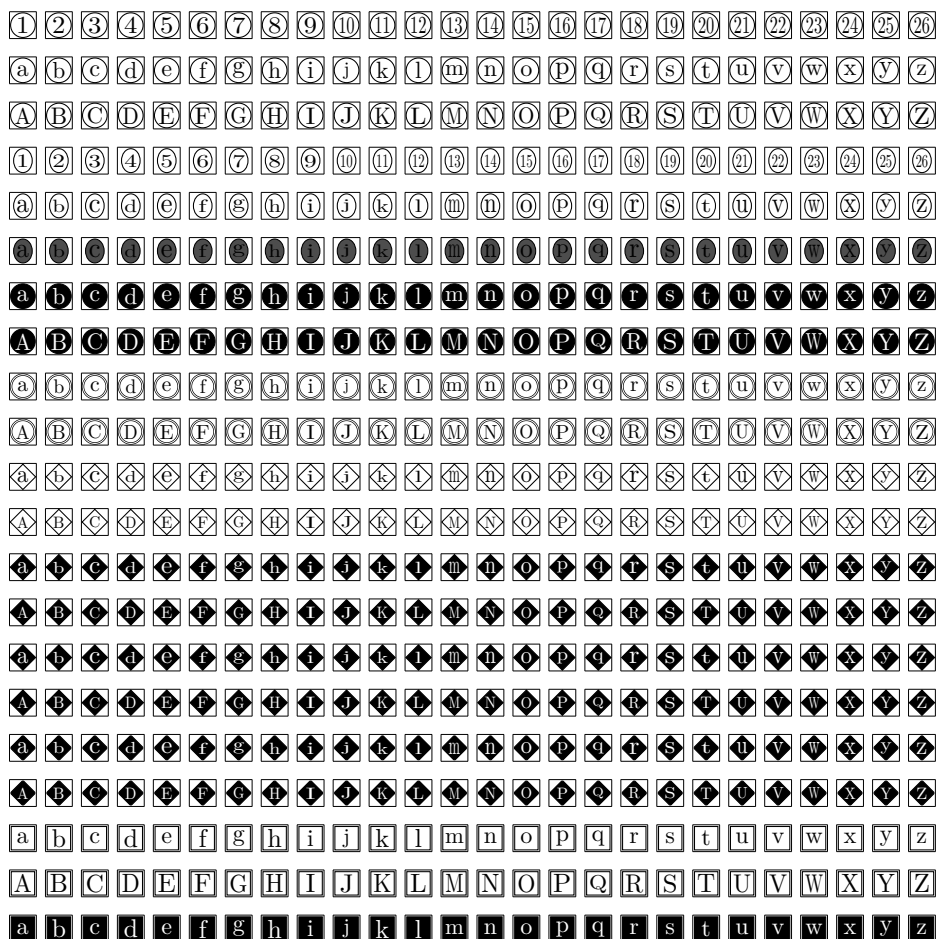
1	Outline in Japanese	3
2	Acknowledgements / Credit	4
3	Installation	4
4	Caution	4
5	Commands	4
5.1	The maru series	5
6	The seihou series	6
7	The kakko series	8
8	License	8
9	Version History	9
10	Source Code	9

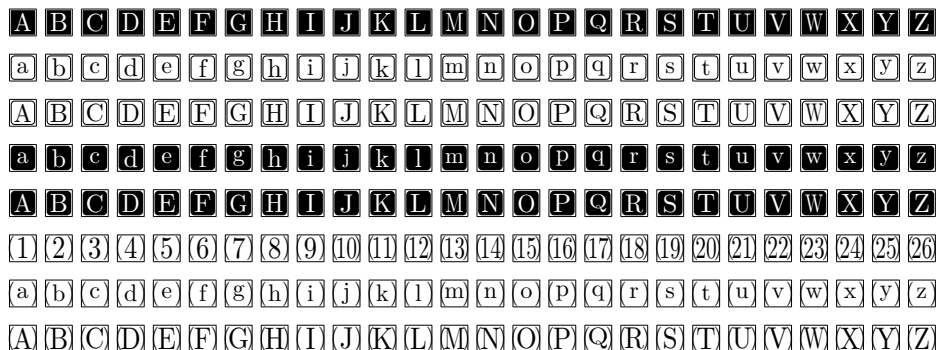
1 Outline in Japanese

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

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

あ あ (あ) あ あ





2 Acknowledgements / Credit

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

3 Installation

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

Dependencies:

- `LuaLaTeX-jā`
- `tikz`
- `clac`

Load the package:

```
\usepackage{KKsymbols}
```

4 Caution

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

5 Commands

5.1 The maru series

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

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

They are used as follows.

表 1: maru series

argument	<code>\maru</code>	<code>\kuromaru</code>	<code>\nmaru</code>	<code>\jegg</code>	<code>\jegg*</code>
1	①	❶	①	①	❶
97	⑉	❹	⑉	⑉	❹
だ	㊦	❧	㊦	㊦	❧
ぱぱぱ	㊰㊰㊰	❭❭❭	㊰㊰㊰	㊰㊰㊰	❭❭❭
m	㊴	❮	㊴	㊴	❮
Qjg	㊱㊲	❯	㊱㊲	㊱㊲	❯

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

あいう㊰㊱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. But only when they include math-mode (in vertical mode), they don't work correctly.

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:



6 The seihou series

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

表 2: seihou series













argument	\seihou	\kuroseihou
1		
97		
だ		
ばばば		
m		
Qjg		

表 3: seimaru series





































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

表 4: hishi series

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

7 The kakko series

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

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

表 5: kakko series ①

argument	<code>\kakko</code>	<code>\sumikakko</code>	<code>\kakukakko</code>	<code>\kikakko</code>	<code>\ykakko</code>
1	(1)	【1】	[1]	(1)	⟨1⟩
97	(97)	【97】	[97]	(97)	⟨97⟩
だ	(だ)	【だ】	[だ]	(だ)	⟨だ⟩
ぱぱぱ	(ぱぱぱ)	【ぱぱぱ】	[ぱぱぱ]	(ぱぱぱ)	⟨ぱぱぱ⟩
m	(m)	【m】	[m]	(m)	⟨m⟩
Qjg	(Qjg)	【Qjg】	[Qjg]	(Qjg)	⟨Qjg⟩

表 6: kakko series ②

argument	<code>\nykakko</code>	<code>\namikakko</code>	<code>\kagikakko</code>	<code>\nkagikakko</code>	<code>\period</code>	<code>\ichimoji</code>
1	⟨1⟩	{1}	「1」	『1』	1.	1
97	⟨97⟩	{97}	「97」	『97』	97.	97
だ	⟨だ⟩	{だ}	「だ」	『だ』	だ.	だ
ぱぱぱ	⟨ぱぱぱ⟩	{ぱぱぱ}	「ぱぱぱ」	『ぱぱぱ』	ぱぱぱ.	ぱぱぱ
m	⟨m⟩	{m}	「m」	『m』	m.	m
Qjg	⟨Qjg⟩	{Qjg}	「Qjg」	『Qjg』	Qjg.	Qjg

8 License

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

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.
- **v1.1.1 (2025/11/10)** — Modified the scaling system of `\ichimoji`.
- **v2.0.0 (2025/12/23)** — Renewed every scaling system in order to make the outputs very close to oft characters.

10 Source Code

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{KKsymbols}[2025/12/23, Version 2.0.0]
\RequirePackage{luatexja-adjust}
\RequirePackage{expl3}
\RequirePackage{calc}
\RequirePackage{tikz}
\usetikzlibrary{shapes}

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

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

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

```

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

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

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

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

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

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

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

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

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

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

```

```

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

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

```

```

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

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

\DeclareRobustCommand{\kikakko@y@internal}[1]{\kakko@byouga@internal{ []{} }

```

```

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

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

```

```

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

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

\DeclareRobustCommand{\namikakko@y@internal}[1]{\kakko@byouga@internal{
}{}}{#1}}
\DeclareRobustCommand{\namikakko@y@internal@no}[1]{\kakko@byouga@internal@no

```

```

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

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

```

```

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

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

\DeclareRobustCommand{\period@y@internal}[1]{\kakko@byouga@internal{\relax
  }{.}{#1}}
\DeclareRobustCommand{\period@y@internal@no}[1]{\kakko@byouga@internal@no{\
  relax}{.}{#1}}

```



```

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

% 全体で使用
\NewDocumentCommand{\shukushou@adj@new}{ m m m }{%
  \ifdim #1 < #2%
    \resizebox*{\width}{#2}{#3}%
  \else%
    \resizebox*{#2}{#2}{#3}%
  \fi%
}
\NewDocumentCommand{\shukushou@adj@new@no}{ m m m }{%
  \ifdim #1 < #2%
    #3%
  \else%
    \resizebox*{!}{#2}{#3}%
  \fi%
}
\NewDocumentCommand{\RotYoko}{0{0}}{%
  \def\KKsymbolsRot@val@y{#1}%

```

```

}
\NewDocumentCommand{\RotTate}{0{90}}{%
  \def\KKsymbolsRot@val@t{#1}%
}
\def\KKsymbolsRot@val@t{90}
\def\KKsymbolsRot@val@y{0}
\NewDocumentCommand{\rot@or@not@kksym}{-}{%
  \ifnum\ltjgetparameter{direction}=3
    \def\rot@kksym@tateyoko{\KKsymbolsRot@val@t}%
  \else
    \def\rot@kksym@tateyoko{\KKsymbolsRot@val@y}%
  \fi
}
%%

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

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

```

```

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

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

```

```

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

```

```

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

```

```

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

```

```

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

```

```

        inner sep=.02\maru@boxwidth@new,
        rotate=\rot@kksym@tateyoko
    ] (char){%
\ vbox to \maru@boxwidth@inner{
    \vss%
    \ hbox to \maru@boxwidth@inner{%
        \hss%
        \shukushou@adj@new@no@maru{\maru@var@zenkou}{\maru@boxwidth@inner}{\
            maru@var@yokohaba@cal}{%
            \textcolor{white}{#1}}%
        \hss%
    }%
    \vss%
}%
};
}%
\hss%
}%
\vss%
}%
}%
}%
\ltjghostafterjachar%
}

```

```

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

```

```

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

```



```

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

\newlength{\jegg@boxwidth@inner@cal}%%
\DeclareRobustCommand{\jegg@new}[1]{%
\rot@or@not@kksym%

```

```

\setlength{\maru@boxwidth@new}{\zw}%
\settowidth{\maru@var@yokohaba}{\#1}%
\pgfmathsetlength{\maru@boxwidth@inner}{0.87 * \maru@boxwidth@new / sqrt
(2)}%
\pgfmathsetlength{\jegg@boxwidth@inner@cal}{0.77 * \maru@boxwidth@inner
}%%
\ltjghostbeforejachar%
\hbox to \maru@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\vbox to \maru@boxwidth@new{%
\vss%
\hbox to \maru@boxwidth@new{%
\hss%
\tikz[baseline=(char.base)]{%
\node[
shape=ellipse,
line width=.04\maru@boxwidth@new,
minimum height=.9\maru@boxwidth@new,
minimum width=.7\maru@boxwidth@new,
draw,
inner sep=0\maru@boxwidth@new,
rotate=\rot@kksym@tateyoko
] (char){%
\vbox to \maru@boxwidth@inner{
\vss%
\hbox to \jegg@boxwidth@inner@cal{%
\hss%
\shukushou@adj@new{\maru@var@yokohaba}{\jegg@boxwidth@inner@cal
}{\#1}%
\hss%
}%
\vss%
}%
};
}%
\hss%
}%
\vss%
}%
}

```

```

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

```

```

    }%
    \hss%
  }%
  \vss%
  }%
  }%
  }%
  \ltjghostafterjachar%
}
%%%
```

```

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

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

```

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

```

```

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

```

```

}%
}%
}%
\ltjghostafterjachar%
}

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

```

```

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

```



```

        \textcolor{white}{\#1}}%
    \hss%
  }%
  \vss%
}%
};
}%
\hss%
}%
\vss%
}%
}%
}%
\ltjghostafterjachar%
}

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

```

```

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

```

```

rounded corners=.13\zw,%%
inner sep=.1\seihou@boxwidth@new,
rotate=\rot@kksym@tateyoko
] (char){%
\ vbox to \seihou@boxwidth@inner{
\ vss%
\ hbox to \seihou@boxwidth@inner{%
\ hss%
\shukushou@adj@new@no@seihou{\seihou@var@zenkou}{\
seihou@boxwidth@inner}{\seihou@var@yokohaba@cal}{#1}%
\ hss%
}%
\ vss%
}%
};
}%
\ hss%
}%
\ vss%
}%
}%
}%
\ltjghostafterjachar%
}

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

```

```

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

```

```

\raisebox{\vertical@adj@maru@new}{%
\ vbox to \seihou@boxwidth@new{%
\vss%
\ hbox to \seihou@boxwidth@new{%
\ hss%
\tikz[baseline=(char.base)]{%
\node[
line width=.04\seihou@boxwidth@new,
minimum size=.85\seihou@boxwidth@new,
draw,
fill=black,%%
rounded corners=.13\zw,%%
inner sep=.1\seihou@boxwidth@new,
rotate=\rot@kksym@tateyoko
] (char){%
\ vbox to \seihou@boxwidth@inner{
\vss%
\ hbox to \seihou@boxwidth@inner{%
\ hss%
\shukushou@adj@new@no@seihou{\seihou@var@zenkou}{\
seihou@boxwidth@inner}{\seihou@var@yokokaba@cal}{%
\textcolor{white}{\#1}}%
\ hss%
}%
\vss%
}%
};
}%
\ hss%
}%
\vss%
}%
}%
\ltjghostafterjachar%
}

\DeclareRobustCommand{\hishi@new}[1]{%
\rot@or@not@kksym%

```

```

\setlength{\seihou@boxwidth@new}{\zw}%
\settowidth{\seihou@var@yokohaba}{\#1}%
\pgfmathsetlength{\seihou@boxwidth@inner}{0.85 * \seihou@boxwidth@new /
2}%
\ltjghostbeforejachar%
\hbox to \seihou@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\vbox to \seihou@boxwidth@new{%
\vss%
\hbox to \seihou@boxwidth@new{%
\hss%
\tikz[baseline=(char.base)]{%
\node[
line width=.04\seihou@boxwidth@new,
minimum size=.5\seihou@boxwidth@new,
draw,
shape=diamond,
inner sep=.03\seihou@boxwidth@new,
rotate=\rot@kksym@tateyoko
] (char){%
\vbox to \seihou@boxwidth@inner{
\vss%
\hbox to \seihou@boxwidth@inner{%
\hss%
\shukushou@adj@new{\seihou@var@yokohaba}{\seihou@boxwidth@inner
}{\#1}%
\hss%
}%
\vss%
}%
};
}%
\hss%
}%
\vss%
}%
\ltjghostafterjachar%
}

```

```

\DeclareRobustCommand{\hishi@new@no}[1]{%
  \rot@or@not@kksym%
  \setlength{\seihou@boxwidth@new}{\zw}%
  \settowidth{\seihou@var@yokohaba}{#1}%
  \settoheight{\seihou@var@tate}{#1}%
  \settodepth{\seihou@var@fuka}{#1}%
  \pgfmithsetlength{\seihou@var@zenkou}{(\seihou@var@tate + \seihou@var@fuka
    )*99}%
  \pgfmithsetlength{\seihou@boxwidth@inner}{0.85 * \seihou@boxwidth@new /
    2}%
  \ltjghostbeforejachar%
  \hbox to \seihou@boxwidth@new{%
    \raisebox{\vertical@adj@maru@new}{%
      \vbox to \seihou@boxwidth@new{%
        \vss%
        \hbox to \seihou@boxwidth@new{%
          \hss%
          \tikz[baseline=(char.base)]{%
            \node[
              line width=.04\seihou@boxwidth@new,
              minimum size=.5\seihou@boxwidth@new,
              draw,
              shape=diamond,
              inner sep=.03\seihou@boxwidth@new,
              rotate=\rot@kksym@tateyoko
            ] (char){%
              \vbox to \seihou@boxwidth@inner{
                \vss%
                \hbox to \seihou@boxwidth@inner{%
                  \hss%
                  % これだけ他のやつと違うので注意！
                  \shukushou@adj@new{\seihou@var@yokohaba}{\seihou@boxwidth@inner
                    }{#1}%
                  \hss%
                }%
                \vss%
              }%
            };
          }%
        \hss%
      }
    }
  }

```

```

}%
\vss%
}%
}%
}%
\ltjghostafterjachar%
}

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

```



```

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

```

```

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

```

```

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

```

```

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

```

```

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

```

```

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

```

```

2}%
\ltjghostbeforejachar%
\hbox to \seihou@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\ vbox to \seihou@boxwidth@new{%
\vss%
\hbox to \seihou@boxwidth@new{%
\hss%
\tikz[baseline=(char.base)]{%
\node[
line width=.04\seihou@boxwidth@new,
minimum size=.5\seihou@boxwidth@new,
draw,
fill=black,%%%
rounded corners=.06\zw,%%%
shape=diamond,
inner sep=.03\seihou@boxwidth@new,
rotate=\rot@kksym@tateyoko
] (char){%
\ vbox to \seihou@boxwidth@inner{%
\vss%
\hbox to \seihou@boxwidth@inner{%
\hss%
\shukushou@adj@new{\seihou@var@yokohaba}{\seihou@boxwidth@inner}{%
\textcolor{white}{\#1}}%
\hss%
}%
\vss%
}%
};
}%
\hss%
}%
\vss%
}%
}%
\ltjghostafterjachar%
}
\DeclareRobustCommand{\kuromaruhishi@new@no}[1]{%

```

```

\rot@or@not@kksym%
\setlength{\seihou@boxwidth@new}{\zw}%
\settowidth{\seihou@var@yokohaba}{#1}%
\settoheight{\seihou@var@tate}{#1}%
\settodepth{\seihou@var@fuka}{#1}%
\pgfmithsetlength{\seihou@var@zenkou}{(\seihou@var@tate + \seihou@var@fuka
)*99}%
\pgfmithsetlength{\seihou@boxwidth@inner}{0.85 * \seihou@boxwidth@new /
2}%
\ltjghostbeforejachar%
\hbox to \seihou@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\vbox to \seihou@boxwidth@new{%
\vss%
\hbox to \seihou@boxwidth@new{%
\hss%
\tikz[baseline=(char.base)]{%
\node[
line width=.04\seihou@boxwidth@new,
minimum size=.5\seihou@boxwidth@new,
draw,
fill=black,%%
rounded corners=.06\zw,%%
shape=diamond,
inner sep=.03\seihou@boxwidth@new,
rotate=\rot@kksym@tateyoko
] (char){%
\vbox to \seihou@boxwidth@inner{
\vss%
\hbox to \seihou@boxwidth@inner{%
\hss%
%  これだけ他のやつと違うので注意！
\shukushou@adj@new{\seihou@var@yokohaba}{\seihou@boxwidth@inner}{%
\textcolor{white}{#1}}%
\hss%
}%
\vss%
}%
};
}%

```

```

    \hss%
}%
\vss%
}%
}%
}%
\ltjghostafterjachar%
}
%%%
```

```

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

```

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

```

\DeclareRobustCommand{\kakko@byouga@internal}[3]{% 横の方
  \setlength{\kakko@boxwidth@new}{\zw}%
  \settowidth{\kakko@var@yokohaba}{#3}%
  \pgfmathsetlength{\kakko@boxwidth@inner}{0.8 * \kakko@boxwidth@new}%
  \ltjghostbeforejachar%
  \hbox to \zw{\hss%
    \scalebox{.63}[1]{#1}\hspace*{-.1\zw}%
    \vbox to \kakko@boxwidth@inner{
```

```

\hbox to \kakko@boxwidth@inner{%
\hss%
\shukushou@adj@new{\kakko@var@yokohaba}{\kakko@boxwidth@inner}{#3}%
\hss%
}%
\hss%
}%
\hspace*{-.1\zw}\scalebox{.63}[1]{#2}%
\hss}%
\ltjghostafterjachar%
}
\DeclareRobustCommand{\kakko@byouga@internal@no}[3]{% 横の方
\setlength{\kakko@boxwidth@new}{\zw}%
\settowidth{\kakko@var@yokohaba}{#3}%
\settoheight{\kakko@var@tate}{#3}%
\settodepth{\kakko@var@fuka}{#3}%
\pgfmithsetlength{\kakko@var@zenkou}{\kakko@var@tate + \kakko@var@fuka}%
\pgfmithsetlength{\kakko@var@yokohaba@cal}{0.9 * \kakko@var@yokohaba}%
\pgfmithsetlength{\kakko@boxwidth@inner}{0.8 * \kakko@boxwidth@new}%
\ltjghostbeforejachar%
\hbox to \zw{\hss%
\scalebox{.63}[1]{#1}\hspace*{-.1\zw}%
\vbox to \kakko@boxwidth@inner{
\hss%
\hbox to \kakko@boxwidth@inner{%
\hss%
\shukushou@adj@new@no@kakko{\kakko@var@zenkou}{\kakko@boxwidth@inner
}{\kakko@var@yokohaba@cal}{#3}%
\hss%
}%
\hss%
}%
\hspace*{-.1\zw}\scalebox{.63}[1]{#2}%
\hss}%
\ltjghostafterjachar%
}
\DeclareRobustCommand{\kakko@byouga@internal@tate}[3]{% 縦の方
\rot@or@not@kksym%

```



```

\ifnum\ltjgetparameter{direction}=3\pgfmthsetmacro{\rot@kksym@tateyoko}{\
    rot@kksym@tateyoko - 90}\fi%
\setlength{\kakko@boxwidth@new}{\zw}%
\settowidth{\kakko@var@yokohaba}{#3}%
\pgfmthsetlength{\kakko@boxwidth@inner}{0.8 * \kakko@boxwidth@new}%
\ltjghostbeforejachar%
    \raisebox{-.5\zw}{%
        \rotatebox[origin=c]{90}{%
            \hbox to \zw{\hss%
                \vbox to \zw{\vss%
                    \hbox to \zw{\hss%
                        \scalebox{.63}[1]{#1}\hspace*{-.1\zw}%
                        \vbox to \kakko@boxwidth@inner{%
                            \vss%
                            \hbox to \kakko@boxwidth@inner{%
                                \hss%
                                \raisebox{-1.2\zw}{%
                                    \rotatebox[origin=c]{\rot@kksym@tateyoko}{%
                                        \shukushou@adj@new{\kakko@var@yokohaba}{\kakko@boxwidth@inner
                                            }{#3}%
                                        }%
                                    }%
                                }%
                                \hss%
                                }%
                                \vss%
                                }%
                                \hspace*{-.1\zw}\scalebox{.63}[1]{#2}\vspace*{.3\zw}%
                                \hss}%
                                \vss}%
                                \hss}%
                                }%
                                }%
                            }%
                        }%
                    }%
                }%
            }%
        }%
    }%
\ltjghostafterjachar%
}
\DeclareRobustCommand{\kakko@byouga@internal@tate@no}[3]{% 縦の方
    \rot@or@not@kksym%
    \ifnum\ltjgetparameter{direction}=3\pgfmthsetmacro{\rot@kksym@tateyoko}{\
        rot@kksym@tateyoko - 90}\fi%
    \setlength{\kakko@boxwidth@new}{\zw}%
    \settowidth{\kakko@var@yokohaba}{#3}%

```

```

\settoheight{\kakko@var@tate}{#3}%
\settodepth{\kakko@var@fuka}{#3}%
\pgfmithsetlength{\kakko@var@zenkou}{\kakko@var@tate + \kakko@var@fuka}%
\pgfmithsetlength{\kakko@var@yokohaba@cal}{0.9 * \kakko@var@yokohaba}%
\pgfmithsetlength{\kakko@boxwidth@inner}{0.8 * \kakko@boxwidth@new}%
\ltjghostbeforejachar%
  \raisebox{-.5\zw}{%
    \rotatebox[origin=c]{90}{%
      \hbox to \zw{\hss%
        \vbox to \zw{\vss%
          \hbox to \zw{\hss%
            \scalebox{.63}[1]{#1}\hspace*{-.1\zw}%
            \vbox to \kakko@boxwidth@inner{%
              \vss%
              \hbox to \kakko@boxwidth@inner{%
                \hss%
                \raisebox{-1.6\zw}{%
                  \vbox to \kakko@boxwidth@inner{%
                    \vss%
                    \hbox to \kakko@boxwidth@inner{%
                      \hss%
                      \rotatebox[origin=c]{\rot@kksym@tateyoko}{%
                        \shukushou@adj@new@no@kakko{\kakko@var@zenkou}{\
                          kakko@boxwidth@inner}{\kakko@var@yokohaba@cal}{#3}%
                        }\hss}\vss}%
                    }%
                    \hss%
                  }%
                  \vss%
                }%
                \hspace*{-.1\zw}\scalebox{.63}[1]{#2}\vspace*{.3\zw}%
              \hss}%
              \vss}%
            \hss}%
          }%
        }%
      }%
    }%
  \ltjghostafterjachar%
}
%%%
```

```

% \ichimoji
\newlength{\ichimoji@yk@new}
\newlength{\ichimoji@ht@new}
\newlength{\ichimoji@dp@new}
\newlength{\ichimoji@zenkou@new}
\DeclareRobustCommand{\ichimoji@scaling}[1]{%
  \ifdim\ichimoji@yk@new > \zw%
    \pgfmathsetmacro{\ratio@ichimoji@yk}{\strip@pt\zw/\strip@pt\
      ichimoji@yk@new}%
    \scalebox{\ratio@ichimoji@yk}[1]{#1}%
  \else%
    #1%
  \fi%
}
\DeclareRobustCommand{\ichimoji@new}[1]{%
  \ifnum\ltjgetparameter{direction}=3%
    \ltjghostbeforejachar%
    \raisebox{-.5\zw}{\hbox to \zw {\hss%
      \vbox to \zw {\vss%
        \hbox to \zw {\hss%
          \resizebox*{\zw}{\zw}{#1}%
          \hss}%
        \vss}\hss}}%
    \ltjghostafterjachar%
  \else%
    \ltjghostbeforejachar%
    \raisebox{-.12\zw}{\hbox to \zw {\hss%
      \vbox to \zw {\vss%
        \hbox to \zw {\hss%
          \resizebox*{\zw}{\zw}{#1}%
          \hss}%
        \vss}\hss}}%
    \ltjghostafterjachar%
  \fi%
}
\DeclareRobustCommand{\ichimoji@new@no}[1]{%
  \settowidth{\ichimoji@yk@new}{#1}%
  \settoheight{\ichimoji@ht@new}{#1}%
  \settodepth{\ichimoji@dp@new}{#1}%

```

```

\pgfmathsetlength{\ichimoji@zenkou@new}{\ichimoji@ht@new + \
    ichimoji@dp@new}%
\ifnum\ltjgetparameter{direction}=3%
    \ltjghostbeforejachar%
    \raisebox{-.5\zw}{\hbox to \zw {\hss%
        \vbox to \zw {\vss%
            \hbox to \zw {\hss%
                \ichimoji@scaling{#1}%
            \hss}%
        \vss}\hss}}%
    \ltjghostafterjachar%
\else%
    \ltjghostbeforejachar%
    \raisebox{-.12\zw}{\hbox to \zw {\hss%
        \vbox to \zw {\vss%
            \hbox to \zw {\hss%
                \ichimoji@scaling{#1}%
            \hss}%
        \vss}\hss}}%
    \ltjghostafterjachar%
\fi%
}
%%
\endinput

```