

# KKsymbols Package Documentation

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Version 2.0.0 (2025/12/23)

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## 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ね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

A 10x10 grid of 100 square icons. Each icon contains a symbol from the English alphabet or a digit. The symbols are arranged as follows:  
Row 1: 1, 2, 3, 4, 5, 6, 7, 8, 9, 0  
Row 2: @, b, C, d, e, f, g, h, i, j  
Row 3: A, B, C, D, E, F, G, H, I, J  
Row 4: @, b, c, d, e, f, g, h, i, j  
Row 5: A, B, C, D, E, F, G, H, I, J  
Row 6: @, b, c, d, e, f, g, h, i, j  
Row 7: A, B, C, D, E, F, G, H, I, J  
Row 8: @, b, c, d, e, f, g, h, i, j  
Row 9: A, B, C, D, E, F, G, H, I, J  
Row 10: a, b, c, d, e, f, g, h, i, j  
The symbols include letters (A-Z), numbers (0-9), and various punctuation and special characters like @, !, ?, \$, %, &, #, ^, \*, -, /, ., ;, :, , etc.

## 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-ja`
- `tikz`
- `clac`

Load the package:

```
\usepackage{KKsymbols}
```

## 4 Caution

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

## 5 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.

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

あいう①あいう②③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.

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



表 1: maru series

argument	\maru	\kuromaru	\nmaru	\jegg	\jegg*
1	①	❶	①	①	❶
97	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ
だ	だ	だ	だ	だ	だ
ばばばば	ばばばば	ばばばば	ばばばば	ばばばば	ばばばば
m	ｍ	ｍ	ｍ	ｍ	ｍ
Qjg	ⓩ	ⓩ	ⓩ	ⓩ	ⓩ



You can also change the current font:



## 5.2 Vertical mode

Naturally, these commands also work correctly in vertical writing environments. But only when they include math-mode (in vertical mode), they don't. Also when you want to typeset ❷, for instance, in vertical mode, you should use \RotTate command.

### Input

```
1 % In vertical mode
2 \RotTate[0]\kakko{あ}\kakko{い}\kakko{う}\par
3 \RotTate[90]\kakko{1}\kakko{1}\kakko{3}
```

### Output

(1) (あ)  
(2) (い)  
(3) (う)

## 5.3 Rotation

This package provides \Rottate and \RotYoko.

**In horizontal mode** The default value is 0.

**In vertical mode** The default value is 90.

**Input**

```

1 % In horizontal mode
2 \RotYoko[45]\kakko{あ}\kakko{い}\kakko{う}\par
3 \RotYoko[60]\kakko{1}\kakko{2}\kakko{3}
4
5 % In vertical mode
6 \RotTate[45]\kakko{あ}\kakko{い}\kakko{う}\par
7 \RotTate[60]\kakko{1}\kakko{2}\kakko{3}

```

**Output**

(あ)(い)(う)  
(あ)(い)(う)

(1) (2)  
(3) (4)

## 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	<code>\seihou</code>	<code>\kuroseihou</code>	<code>\seimaru</code>	<code>\kuroseimaru</code>
1	1	1	1	1
97	97	97	97	97
だ	だ	だ	だ	だ
ぱばば	ぱばば	ぱばば	ぱばば	ぱばば
m	m	m	m	m
Qjg	Qjg	Qjg	Qjg	Qjg

表 3: hishi series

argument	\hishi	\kurohishi	\maruhishi	\kuromaruishi
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 4: 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⟩
m	(m)	[m]	[m]	(m)	⟨m⟩
Qjg	(Qjg)	[Qjg]	[Qjg]	(Qjg)	⟨Qjg⟩

表 5: kakko series ②

argument	\nykakko	\namikakko	\kagikakko	\nkagikakko	\period	\ichimoji
1	{1}	{1}	「1」	『1』	1.	1
97	{97}	{97}	「97」	『97』	97.	97
だ	{だ}	{だ}	「だ」	『だ』	だ.	だ
ばばば	{ばばば}	{ばばば}	「ばばば」	『ばばば』	ばばば	ばばば
m	{m}	{m}	「m」	『m』	m.	m
Qjg	{Qjg}	{Qjg}	「Qjg」	『Qjg』	Qjg.	Qjg

## 8 License

Released under the MIT License.

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

```

```

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

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

\DeclareRobustCommand{\kagikakkoo@y@internal}[1]{\kakko@byouga@internal{ '}{\, }{#1}}
\DeclareRobustCommand{\kagikakkoo@internal@no}[1]{\kakko@byouga@internal@no{ '}{\, }{#1}}
\DeclareRobustCommand{\kagikakkoo@t@internal}[1]{\kakko@byouga@internal@tate{ '}{\, }{#1}}
\DeclareRobustCommand{\kagikakkoo@t@internal@no}[1]{\kakko@byouga@internal@tate@no{ '}{\, }{#1}}
\DeclareRobustCommand{\kagikakkoo}{%
  @ifstar{\kagikakkoo@star}{\kagikakkoo@nostar}%
}
\newcommand{\kagikakkoo@star}[1]{%
\ifnum\ltjgetparameter{direction}=3\relax
  \kagikakkoo@t@internal@no{#1}%
\else
  \kagikakkoo@y@internal@no{#1}%
\fi
}
\newcommand{\kagikakkoo@nostar}[1]{%
\ifnum\ltjgetparameter{direction}=3\relax
  \kagikakkoo@t@internal{#1}%
\else
  \kagikakkoo@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@state{『』}{\#1}}
\DeclareRobustCommand{\nkagikakko@t@internal@no}[1]{\kakko@byouga@internal@state@no{『』}{\#1}}
\newcommand{\nkagikakko@star}[1]{%
  \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@state{\relax}{.}{\#1}}
\DeclareRobustCommand{\period@t@internal@no}[1]{\kakko@byouga@internal@state@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}{O{0}}{%
\def\KKsymbolsRot@val@y{#1}%
}
\NewDocumentCommand{\RotTate}{O{90}}{%
\def\KKsymbolsRot@val@t{#1}%
}
\def\KKsymbolsRot@val@t{90}
\def\KKsymbolsRot@val@y{0}
\NewDocumentCommand{\rot@or@not@kksym}{O}{%
\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)}%
\leavevmode%
\ltjghostbeforejachar%
\vbox to \maru@boxwidth@new{%
\raisebox{\vertical@adj@\maru@new}{%
\vbox to \maru@boxwidth@new{%
\vs%
\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{%
\vs%
\hbox to \maru@boxwidth@inner{%
\hss%
\shukushou@adj@new{\maru@var@yokohaba}{\maru@boxwidth@inner}{#1}%
\hss%
}%
}%
\vs%
}%
};%
}%
\hss%
}%
\vs%
}%
\hss%
}%
\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)}%
  \leavevmode%
  \ltjghostbeforejachar%
  \hbox to \maru@boxwidth@new{%
    \raisebox{\vertical@adj@maru@new}{%
      \vbox to \maru@boxwidth@new{%
        \vss%
        \hbox to \maru@boxwidth@new{%
          \hss%
          \tikz[baseline=(char.base)]{%
            \node[
              shape=circle,
              line width=.04\maru@boxwidth@new,
              minimum size=.9\maru@boxwidth@new,
              draw,
              inner sep=.02\maru@boxwidth@new,
              rotate=\rot@kksym@tateyoko
            ] (char){};
            \vbox to \maru@boxwidth@inner{%
              \vss%
              \hbox to \maru@boxwidth@inner{%
                \hss%
                \shukushou@adj@new@no@maru{\maru@var@zenkou}{\maru@boxwidth@inner}{\maru@var@yokohaba@cal}{\#1}%
                \hss%
              }%
              \vss%
            }%
            \hss%
          }%
        };
      }%
      \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)}%
\leavevmode%
\ltjghostbeforejachar%
\hbox to \maru@boxwidth@new{%
\raisebox{\vertical@adj@\maru@new}{%
\hbox 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){};
\hbox to \maru@boxwidth@inner{%
\vss%
\hbox to \maru@boxwidth@inner{%
\hss%
\shukushou@adj@new{\maru@var@yokohaba}{\maru@boxwidth@inner}{%
\textcolor{white}{\#1}}%
\hss%
}%
\hss%
}%
\hss%
};%
}%
\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)}%

```

```

\leavevmode%
\ltjghostbeforejachar%
\hbox to \maru@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\hbox to \maru@boxwidth@new{%
\vs{%
\hbox to \maru@boxwidth@new{%
\hs{%
\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){%
\hbox to \maru@boxwidth@inner{%
\vs{%
\hbox to \maru@boxwidth@inner{%
\hs{%
\shukushou@adj@new@no@maru{\maru@var@zenkou}{\maru@boxwidth@inner}{\%
\maru@var@yokohaba@cal}{%
\textrcolor{white}{#1}}%
\hs{%
\}}%
\vs{%
\}}%
\hs{%
\}}%
\vs{%
\}}%
\hs{%
\}}%
\vs{%
\}}%
\hs{%
\}}%
\ltjghostafterjachar%
}
}

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

```

```

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

```



```

] (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@okksym%
  \setlength{\seihou@boxwidth@new}{\zw}%
  \settowidth{\seihou@var@yokohaba}{\#1}%
  \pgfmathsetlength{\seihou@boxwidth@inner}{0.68 * \seihou@boxwidth@new}%
  \leavevmode%
  \ltjghostbeforejachar%
  \hbox to \seihou@boxwidth@new{%
    \raisebox{\vertical@adj@maru@new}{%
      \vbox to \seihou@boxwidth@new{%
        \vss%
        \hbox to \seihou@boxwidth@new{%
          \hss%
          \tikz[baseline=(char.base)]{%
            \node[
              line width=.04\seihou@boxwidth@new,
              minimum size=.85\seihou@boxwidth@new,
              draw,
              inner sep=.1\seihou@boxwidth@new,
              rotate=\rot@okksym@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@okksym%
  \setlength{\seihou@boxwidth@new}{\zw}%
  \settowidth{\seihou@var@yokohaba}{\#1}%
  \settoheight{\seihou@var@tate}{\#1}%
  \settodepth{\seihou@var@fuka}{\#1}%
  \pgfmathsetlength{\seihou@var@zenkou}{\seihou@var@tate + \seihou@var@fuka}%
  \pgfmathsetlength{\seihou@var@yokohaba@cal}{0.85 * \seihou@var@yokohaba}%
  \pgfmathsetlength{\seihou@boxwidth@inner}{0.68 * \seihou@boxwidth@new}%
}

```

```

\leavevmode%
\ltjghostbeforejachar%
\hbox to \seihou@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\vbox to \seihou@boxwidth@new{%
\vs%
\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){%}
\hbox to \seihou@boxwidth@inner{%
\vs%
\hbox to \seihou@boxwidth@inner{%
\hss%
\shukushou@adj@new@no@seihou{\seihou@var@zenkou}{\seihou@boxwidth@inner}{%
  seihou@var@yokohaba@cal}{#1}%
\hss%
}%
}%
\hss%
}%
}%
}%
\hss%
}%
\vs%
}%
}%
}%
}%
}%
\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}%
\leavevmode%
\ltjghostbeforejachar%
\hbox to \seihou@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\vbox to \seihou@boxwidth@new{%
\vs%
\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{%
\vs%
\hbox to \seihou@boxwidth@inner{%
\hss%
\shukushou@adj@new{\seihou@var@yokohaba}{\seihou@boxwidth@inner}{%
\textcolor{white}{#1}}%
\hss%
}%
}%
\vs%
}%
};%
}%
\hss%
}%
\vs%
}%
}%
}%
}%
\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}%
\leavevmode%
\ltjghostbeforejachar%
\hbox to \seihou@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\vbox to \seihou@boxwidth@new{%
\vs%
\hbox to \seihou@boxwidth@new{%
\hss%
\tikz[baseline=(char.base)]{%
\node[
  line width=.04\seihou@boxwidth@new,

```



```

] (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%
}%
\%%
}%
\%%
\%%
\%%
\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}%
  \leavevmode%
  \ltjghostbeforejachar%
  \hbox to \seihou@boxwidth@new{%
    \raisebox{\vertical@adj@maru@new}{%
      \vbox to \seihou@boxwidth@new{%
        \vss%
        \hbox to \seihou@boxwidth@new{%
          \hss%
          \tikz[baseline=(char.base)]{%
            \node[
              line width=.04\seihou@boxwidth@new,
              minimum size=.85\seihou@boxwidth@new,
              draw,
              rounded corners=.13\zw,%%%
              inner sep=.1\seihou@boxwidth@new,
              rotate=\rot@kksym@tateyoko
            ] (char){%
              \vbox to \seihou@boxwidth@inner{%
                \vss%
                \hbox to \seihou@boxwidth@inner{%
                  \hss%
                }%
              }%
            }%
          }%
        }%
      }%
    }%
  }%
}%

```

```

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

```

}%
};

}%
\hss%
}%
}%
}%
}%
\ltjghostafterjachar%
}

\DeclareRobustCommand{\kuroseimaru@new@no}[1]{%
\rot@or@not@kksym%
\setlength{\seihou@boxwidth@new}{\zw}%
\settowidth{\seihou@var@yokohaba}{#1}%
\settoheight{\seihou@var@tate}{#1}%
\settodepth{\seihou@var@fuka}{#1}%
\pgfmathsetlength{\seihou@var@zenkou}{\seihou@var@tate + \seihou@var@fuka}%
\pgfmathsetlength{\seihou@var@yokohaba@cal}{0.85 * \seihou@var@yokohaba}%
\pgfmathsetlength{\seihou@boxwidth@inner}{0.68 * \seihou@boxwidth@new}%
\leavevmode%
\ltjghostbeforejachar%
\hbox to \seihou@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\vbox to \seihou@boxwidth@new{%
\hss%
\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{%
\hss%
\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%
}%
\hss%
}%
\hss%
}%;
```

```

}%
\hss%
}%
\vs{%
}%
}%
}%
\ltjghostafterjachar%
}

\DeclareRobustCommand{\hishi@new}[1]{%
\rot@or@not@kksym%
\setlength{\seihou@boxwidth@new}{\zw}%
\settowidth{\seihou@var@yokohaba}{#1}%
\pgfmathsetlength{\seihou@boxwidth@inner}{0.85 * \seihou@boxwidth@new / 2}%
\leavevmode%
\ltjghostbeforejachar%
\vbox to \seihou@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\vbox to \seihou@boxwidth@new{%
\vs{%
\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{%
\vs{%
\hbox to \seihou@boxwidth@inner{%
\hss%
\shukushou@adj@new{\seihou@var@yokohaba}{\seihou@boxwidth@inner}{#1}%
\hss%
}%
\vs{%
}%
\hss%
}%
};%
}%
\hss%
}%
\vs{%
}%
}%
}%

```

```

\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}%
\pgfmathsetlength{\seihou@var@zenkou}{(\seihou@var@tate + \seihou@var@fuka)*99}%
\pgfmathsetlength{\seihou@boxwidth@inner}{0.85 * \seihou@boxwidth@new / 2}%
\leavevmode%
\ltjghostbeforejachar%
\hbox to \seihou@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\hbox 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){};
\hbox 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%
}%
\%%
\hss%
}%
\%%
};%
\%%
\hss%
}%
\%%
\hss%
}%
\%%
\%%
\%%
\%%
\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}%
\leavevmode%
\ltjghostbeforejachar%
\hbox to \seihou@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\hbox to \seihou@boxwidth@new{%
\vsstext{%
\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){%
\hbox to \seihou@boxwidth@inner{%
\vsstext{%
\hbox to \seihou@boxwidth@inner{%
\hss{%
\shukushou@adj@new{\seihou@var@yokohaba}{\seihou@boxwidth@inner}{#1}%
\hss{%
}}%
\vsstext{%
}}%
};%
}}%
\hss{%
}}%
\vsstext{%
}}%
\vsstext{%
}}%
\vsstext{%
}}%
\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}%
\leavevmode%

```

```

\ltjghostbeforejachar%
\hbox to \seihou@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\vbox to \seihou@boxwidth@new{%
\vs%
\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{%
\vs%
\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%
}%
\vs%
}%
}%
};%
}%
\hss%
}%
\vs%
}%
}%
\hss%
}%
\vs%
}%
}%
\hss%
}%
\ltjghostafterjachar%
}

```

```
\DeclareRobustCommand{\kurohishi@new}{\begingroup%
  \rot@or@not@kksym%
  \setlength{\seihou@boxwidth@new}{\zw}%
  \settowidth{\seihou@var@yokohaba}{\#1}%
  \pgfmathsetlength{\seihou@boxwidth@inner}{0.85 * \seihou@boxwidth@new / 2}%
  \leavevmode%
  \ltjghostbeforejachar%
  \hbox to \seihou@boxwidth@new{%
    \raisebox{\vertical@adj@maru@new}{%
      \vbox to \seihou@boxwidth@new{%
        \vss}}}}
```

```

\hbox to \seihou@boxwidth@new{%
\hss%
\tikz[baseline=(char.base)]{%
\node[
  line width=.04\seihou@boxwidth@new,
  minimum size=.5\seihou@boxwidth@new,
  draw,
  fill=black,%%%
  shape=diamond,
  inner sep=.03\seihou@boxwidth@new,
  rotate=\rot@kksym@tateyoko
] (char){%}
\vbox to \seihou@boxwidth@inner{%
\vs{%
\hbox to \seihou@boxwidth@inner{%
\hss%
\shukushou@adj@new{\seihou@var@yokohaba}{\seihou@boxwidth@inner}{%
\textcolor{white}{#1}}%
\hss%
}%
\vs{%
}%
};%
}%
\hss%
}%
\vs{%
}%
}%
}%
}%
\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}%
\pgfmathsetlength{\seihou@var@zenkou}{(\seihou@var@tate + \seihou@var@fuka)*99}%
\pgfmathsetlength{\seihou@boxwidth@inner}{0.85 * \seihou@boxwidth@new / 2}%
\leavevmode%
\ltjghostbeforejachar%
\hbox to \seihou@boxwidth@new{%
\raisebox{\vertical@adj@maru@new}{%
\vbox to \seihou@boxwidth@new{%
\vs{%
\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{%
\vs$%
\hbox to \seihou@boxwidth@inner{%
\hs$%
% 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}}%
\hs$%
}%
\vs$%
}%
\hs$%
}%
\vs$%
}%
\hs$%
}%
\vs$%
}%
\hs$%
}%
\hs$%
}%
\ltjghostafterjachar%
}
}

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

```

```

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


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

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

\DeclareRobustCommand{\kakko@byouga@internal}[3]{% 横の方
\rot@or@not@kksym%
\setlength{\kakko@boxwidth@new}{\zw}%
}

```

```

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

```

```

\rot@or@not@kksym%
\ifnum\ltjgetparameter{direction}=3\pgfmathsetmacro{\rot@kksym@tateyoko}{\rot@kksym@tateyoko
- 90}\fi%
\setlength{\kakko@boxwidth@new}{\zw}%
\settowidth{\kakko@var@yokohaba}{#3}%
\pgfmathsetlength{\kakko@boxwidth@inner}{0.8 * \kakko@boxwidth@new}%
\leavevmode%
\ltjghostbeforejachar%
\raisebox{-.5\zw}{%
\rotatebox[origin=c]{90}{%
\hbox to \zw{\hss}%
\vbox to \zw{\vss}%
\hbox to \zw{\hss}%
\scalebox{.63}[1]{\hspace*{-.1\zw}}%
\vbox to \kakko@boxwidth@inner{%
\hss%
\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%
}}%
\hss%
}}%
\vss%
}}%
\hss%
}}%
\hss%
}}%
\hspace*{-.1\zw}\scalebox{.63}[1]{\#2}\vspace*{.3\zw}%
\hss%
\vss%
\hss%
}}%
}}%
\ltjghostafterjachar%
}
\DeclareRobustCommand{\kakko@byuga@internal@tate@no}[3]{% 縦の方
\rot@or@not@kksym%
\ifnum\ltjgetparameter{direction}=3\pgfmathsetmacro{\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}%
\pgfmathsetlength{\kakko@var@zenkou}{\kakko@var@tate + \kakko@var@fuka}%
\pgfmathsetlength{\kakko@var@yokohaba@cal}{0.9 * \kakko@var@yokohaba}%
\pgfmathsetlength{\kakko@boxwidth@inner}{0.8 * \kakko@boxwidth@new}%
\leavevmode%
\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%
}%
\hss%
}%
\hss%
}%
\hbox to \hspace*{-.1\zw}\scalebox{.63}[1]{\#2}\vspace*{.3\zw}%
\hss%
\vss%
\hss%
}%
\hss%
}%
\ltjghostafterjachar%
}
%%%
% \ichimoji
\newlength{\ichimoji@yk@new}
\newlength{\ichimoji@ht@new}
\newlength{\ichimoji@dp@new}
\newlength{\ichimoji@zenkou@new}
\DeclareRobustCommand{\ichimoji@scaling}[1]{%
\ifdim\ichimoji@yk@new > \zw%
\pgfmathsetmacro{\ratio@ichimoji@yk}{\strip@pt\zw/\strip@pt\ichimoji@yk@new}%
\scalebox{\ratio@ichimoji@yk}[1]{\#1}%
\else%
\#1%
\fi%
}
\DeclareRobustCommand{\ichimoji@new}[1]{%
\ifnum\ltjgetparameter{direction}=3%
\leavevmode%
\ltjghostbeforejachar%
}

```

```

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

```