

KKsymbols Package Documentation

Kosei Kawaguchi a.k.a. KKT_EX

Version 2.0.0 (2025/12/23)

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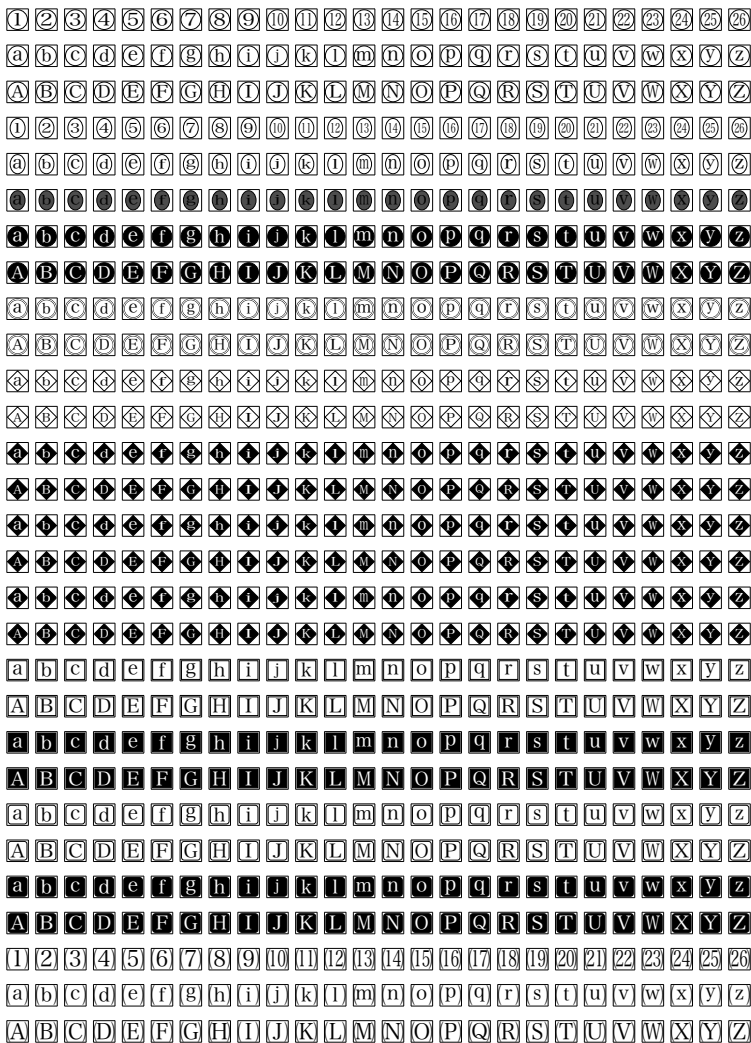
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1 Outline in Japanese

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 `\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 lower-case 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[㊦]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.

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	㊦	㊦	㊦	㊦	㊦
ぱぱぱ	㊿	㊿	㊿	㊿	㊿
m	㊿	㊿	㊿	㊿	㊿
Qjg	㊿	㊿	㊿	㊿	㊿



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 あ, 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

The output shows two rows of rotated text. The first row is for horizontal mode, showing characters 'あ', 'い', 'う' and numbers '1', '2', '3' rotated 45 and 60 degrees. The second row is for vertical mode, showing the same characters and numbers rotated 45 and 60 degrees, but arranged vertically.

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	\kuromaruhishi
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	\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 6: kakko series ②

argument	\nykakko	\namikakko	\kagikakko	\nkagikakko	\period	\ichimoji
1	⟨1⟩	{1}	「1」	『1』	1.	1
97	⟨97⟩	{97}	「97」	『97』	97.	97
だ	⟨だ⟩	{だ}	「だ」	『だ』	だ.	だ
ぼばぼ	⟨ぼばぼ⟩	{ぼばぼ}	「ぼばぼ」	『ぼばぼ』	ぼばぼ.	ぼばぼ
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{\kuromaruhishi}{%
  \ifstar{\kuromaruhishi@new@no}{\kuromaruhishi@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{\yakakko@y@internal}[1]{\kakko@byouga@internal{ }{ }{#1}}
\DeclareRobustCommand{\yakakko@y@internal@no}[1]{\kakko@byouga@internal@no{ }{ }{#1}}
\DeclareRobustCommand{\yakakko@t@internal}[1]{\kakko@byouga@internal@tate{ }{ }{#1}}
\DeclareRobustCommand{\yakakko@t@internal@no}[1]{\kakko@byouga@internal@tate@no{ }{ }{#1}}
\DeclareRobustCommand{\yakakko}{%
\ifstar{\yakakko@star}{\yakakko@nostar}%
}
\newcommand{\yakakko@star}[1]{%
\ifnum\ltjgetparameter{direction}=3\relax
\yakakko@t@internal@no{#1}%
\else
\yakakko@y@internal@no{#1}%
\fi
}
\newcommand{\yakakko@nostar}[1]{%
\ifnum\ltjgetparameter{direction}=3\relax
\yakakko@t@internal{#1}%

```

```

\else
\yakko@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
\yakko@t@internal@no{#1}%
\else
\yakko@y@internal@no{#1}%
\fi
}
\newcommand{\nykakko@nostar}[1]{%
\ifnum\ltjgetparameter{direction}=3\relax
\yakko@t@internal{#1}%
\else
\yakko@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)}%
  \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{\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)}%
  \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%
}%
\vss%
}%
}%
}%
\ltjghostafterjachar%
}

\DeclareRobustCommand{\kuromaru@new}[1]{%
\rot@or@not@kksym%
\setlength{\maru@boxwidth@new}{\zw}%
\settowidth{\maru@var@yokohaba}{#1}%
\pgfmthsetlength{\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,
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}%
  \pgfmithsetlength{\maru@var@zenkou}{\maru@var@tate + \maru@var@fuka}%
  \pgfmithsetlength{\maru@var@yokohaba@cal}{0.85 * \maru@var@yokohaba}%
  \pgfmithsetlength{\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,
              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{\maru@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)}%
  \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}%
  \pgfmthsetlength{\maru@var@zenkou}{\maru@var@tate + \maru@var@fuka}%
  \pgfmthsetlength{\maru@var@yokohaba@cal}{0.85 * \maru@var@yokohaba}%
  \pgfmthsetlength{\maru@boxwidth@inner}{0.82 * \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=.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}%
  \pgfmithsetlength{\maru@boxwidth@inner}{0.87 * \maru@boxwidth@new / sqrt(2)}%
  \pgfmithsetlength{\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,
              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}%%
\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,
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}%
  \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@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}%
  \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@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}%
                }%
                \vss%
              }%
            };
          }%
        }%
      }%
    }%
  }%
}

```



```

\ss%
}%
}%
}%
\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{%
        \ss%
        \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{%
                \ss%
                \hbox to \seihou@boxwidth@inner{%
                  \hss%
                  \shukushou@adj@new{\seihou@var@yokohaba}{\seihou@boxwidth@inner}{%
                    \textcolor{white}{\#1}}%
                  \hss%
                }%
                \ss%
              }%
            };
          }%
          \hss%
        }%
        \ss%
      }%
    }%
  }%
  \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}%
  \pgfmithsetlength{\seihou@var@zenkou}{\seihou@var@tate + \seihou@var@fuka}%
  \pgfmithsetlength{\seihou@var@yokohaba@cal}{0.85 * \seihou@var@yokohaba}%
  \pgfmithsetlength{\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,%%
              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}%
\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{\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}%
\pgfmithsetlength{\seihou@var@zenkou}{\seihou@var@tate + \seihou@var@fuka}%
\pgfmithsetlength{\seihou@var@yokohaba@cal}{0.85 * \seihou@var@yokohaba}%
\pgfmithsetlength{\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}%
\vss%
}%
\vss%
}%
};
}%
\hss%
}%
\vss%
}%
}%
}%
\ltjghostafterjachar%
}

```

```

\DeclareRobustCommand{\kuroseimaru@new}[1]{%
\rot@or@not@kksym%
\setlength{\seihou@boxwidth@new}{\zw}%
\settowidth{\seihou@var@yokohaba}{#1}%
\pgfmthsetlength{\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){%
    \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}%
  \pgfmithsetlength{\seihou@var@zenkou}{\seihou@var@tate + \seihou@var@fuka}%
  \pgfmithsetlength{\seihou@var@yokohaba@cal}{0.85 * \seihou@var@yokohaba}%
  \pgfmithsetlength{\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){%
\ 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{\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%
\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}%
    \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,
                        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}%
\pgfmithsetlength{\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,
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}%
  \pgfmithsetlength{\seihou@var@zenkou}{(\seihou@var@tate + \seihou@var@fuka)*99}%
  \pgfmithsetlength{\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,
              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%
              }%
            };
          }%
        }%
      }%
    }%
  }%
}

```

```

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

\DeclareRobustCommand{\kurohishi@new}[1]{%
  \rot@or@not@kksym%
  \setlength{\seihou@boxwidth@new}{\zw}%
  \settowidth{\seihou@var@yokohaba}{\#1}%
  \pgfmithsetlength{\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{
                \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}%
  \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{
                \vss%
                \hbox to \seihou@boxwidth@inner{%
                  \vss%
                  % 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%
}

```

```

\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}%
  \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%
                  \shukushou@adj@new{\seihou@var@yokohaba}{\seihou@boxwidth@inner}{%
                    \textcolor{white}{\#1}}%
                  \hss%
                }%
                \vss%
              }%
            };
          }%
          \hss%
        }%
        \vss%
      }%
    }%
  };
}

\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}%
\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{%
\vss%
%  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}}%
\vss%
}%
\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
  \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]{#1}\hspace*{-.1\zw}%
    \vbox to \kakko@boxwidth@inner{
      \vss%
      \hbox to \kakko@boxwidth@inner{
        \hss%
        \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}%
  \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]{#1}\hspace*{-.1\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%
}%
\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\pgfmatssetmacro{\rot@kksym@tateyoko}{\rot@kksym@tateyoko
- 90}\fi%
\setlength{\kakko@boxwidth@new}{\zw}%
\settowidth{\kakko@var@yokohaba}{#3}%
\pgfmatssetlength{\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{-1.2\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}%
\pgfmthsetlength{\kakko@var@zenkou}{\kakko@var@tate + \kakko@var@fuka}%
\pgfmthsetlength{\kakko@var@yokohaba@cal}{0.9 * \kakko@var@yokohaba}%
\pgfmthsetlength{\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%
}%
\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%
    \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

```