# The pmboxdraw package

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**Abstract**

Package pmboxdraw declares box drawings characters of old code pages, e.g. cp437. It uses rules instead of using a font.

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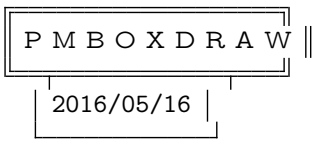
*Please report any issues at https://github.com/ho-tex/oberdiek/issues

# 1 User interface




## 1.1 Introduction

In old code pages (CP 437, ...) many slots are occupied by graphical characters. The definition files for the input encodings that come with LaTeX's package inputenc ignore these characters. This packages tries to close this gap. Package inputenx provides more complete definitions files of input encodings ([1]).

The graphical characters are available in some fonts, mostly some derivates of Courier. However, the symbols are usually used to gegnerate some kind of ASCII art. Thus it should fit with the current typewriter font in use. That means:

- Same and constant symbol width.
- Use of the full line height. Vertical lines should not be interrupted if the symbols that contribute to that lines are in adjacent text lines.

Therefore I decided to generate the symbols by rules. Parameters such as rule width and box dimensions are accessible at macro level. This avoids to generate many fonts for the used typewriter fonts (Courier, LuxiMono, Computer/Latin Modern, ...).

The disadvantage is that there are no characters in the output file, just rules. Thus operations such as cut and paste or text search will not detect these graphical characters.

## 1.2 Setup

Usually the box drawings symbols of this package derive its parameters from the current font. But they can be set explicitly.

`\pmboxdrawbox {`⟨*template*⟩`}`

The ⟨*template*⟩ is used as size template for the symbols. It is initialized by `\strut0`. (Usually `\strut` carries the information about the `\baselineskip` and `0` the symbol width.)

`\pmboxdrawrulewidth {`⟨*dimen*⟩`}`

This macro allows the setup of the rule width used in the symbols. It is initialized with `0.1\width`, that means 10 % of the symbol width. `\width`, `\height`, and `\depth` can be used here and are set to the corresponding symbol box parameter.

`\pmboxdrawdoublerulesep {`⟨*dimen*⟩`}`

Some symbols have double lines. The distance between the lines is configured by this macro. It is set to `0.25\width`, a quarter of the symbol width. Also `\height` and `\depth` are available.

## 1.3 Symbol list

The macro names for the symbols in LaTeX (LICR) are derived from Adobe's glyph names for these characters ([2]). Example:

U+2580 (▀) with glyph name upblock: `\textupblock`

Some glyph names start with SF, two individual digits follow and the name is closed by four digits zero. For the LICR name the two individual digits form a number that is converted to lowercase roman number. The trailing zeros are dropped. Example:

U+2556 (╖) with glyph name SF210000: `\textSFxxi`

The three gray symbols require package color:

U+2591 (░) light shade: `\textltshade`
U+2592 (▒) medium shade: `\textshade`
U+2593 (▓) dark shade: `\textdkshade`

It follows a list with all graphical symbols provided by this package:

| Symbol | Unicode | Glyph name | LICR |
|---|---|---|---|
| ─ | U+2500 | SF100000 | `\textSFx` |
| | box drawings light horizontal | | |
| ━ | U+2501 | uni2501 | `\pmboxdrawuni{2501}` |
| | box drawings heavy horizontal | | |
| │ | U+2502 | SF110000 | `\textSFxi` |
| | box drawings light vertical | | |
| ┃ | U+2503 | uni2503 | `\pmboxdrawuni{2503}` |
| | box drawings heavy vertical | | |
| ┌ | U+250C | SF010000 | `\textSFi` |
| | box drawings light down and right | | |
| ┍ | U+250D | uni250D | `\pmboxdrawuni{250D}` |
| | box drawings down light and right heavy | | |
| ┎ | U+250E | uni250E | `\pmboxdrawuni{250E}` |
| | box drawings down heavy and right light | | |
| ┏ | U+250F | uni250F | `\pmboxdrawuni{250F}` |
| | box drawings heavy down and right | | |
| ┐ | U+2510 | SF030000 | `\textSFiii` |
| | box drawings light down and left | | |
| ┑ | U+2511 | uni2511 | `\pmboxdrawuni{2511}` |
| | box drawings down light and left heavy | | |
| ┒ | U+2512 | uni2512 | `\pmboxdrawuni{2512}` |
| | box drawings down heavy and left light | | |
| ┓ | U+2513 | uni2513 | `\pmboxdrawuni{2513}` |
| | box drawings heavy down and left | | |
| └ | U+2514 | SF020000 | `\textSFii` |
| | box drawings light up and right | | |
| ┕ | U+2515 | uni2515 | `\pmboxdrawuni{2515}` |
| | box drawings up light and right heavy | | |
| ┖ | U+2516 | uni2516 | `\pmboxdrawuni{2516}` |
| | box drawings up heavy and right light | | |
| ┗ | U+2517 | uni2517 | `\pmboxdrawuni{2517}` |
| | box drawings heavy up and right | | |

| Symbol | Unicode | Glyph name | LICR |
|---|---|---|---|
| | U+2518 | SF040000 | \textSFiv |
| | box drawings light up and left | | |
| | U+2519 | uni2519 | \pmboxdrawuni{2519} |
| | box drawings up light and left heavy | | |
| | U+251A | uni251A | \pmboxdrawuni{251A} |
| | box drawings up heavy and left light | | |
| | U+251B | uni251B | \pmboxdrawuni{251B} |
| | box drawings heavy up and left | | |
| | U+251C | SF080000 | \textSFviii |
| | box drawings light vertical and right | | |
| | U+251D | uni251D | \pmboxdrawuni{251D} |
| | box drawings vertical light and right heavy | | |
| | U+251E | uni251E | \pmboxdrawuni{251E} |
| | box drawings up heavy and right down light | | |
| | U+251F | uni251F | \pmboxdrawuni{251F} |
| | box drawings down heavy and right up light | | |
| | U+2520 | uni2520 | \pmboxdrawuni{2520} |
| | box drawings vertical heavy and right light | | |
| | U+2521 | uni2521 | \pmboxdrawuni{2521} |
| | box drawings down light and right up heavy | | |
| | U+2522 | uni2522 | \pmboxdrawuni{2522} |
| | box drawings up light and right down heavy | | |
| | U+2523 | uni2523 | \pmboxdrawuni{2523} |
| | box drawings heavy vertical and right | | |
| | U+2524 | SF090000 | \textSFix |
| | box drawings light vertical and left | | |
| | U+2525 | uni2525 | \pmboxdrawuni{2525} |
| | box drawings vertical light and left heavy | | |
| | U+2526 | uni2526 | \pmboxdrawuni{2526} |
| | box drawings up heavy and left down light | | |
| | U+2527 | uni2527 | \pmboxdrawuni{2527} |
| | box drawings down heavy and left up light | | |
| | U+2528 | uni2528 | \pmboxdrawuni{2528} |
| | box drawings vertical heavy and left light | | |
| | U+2529 | uni2529 | \pmboxdrawuni{2529} |
| | box drawings down light and left up heavy | | |
| | U+252A | uni252A | \pmboxdrawuni{252A} |
| | box drawings up light and left down heavy | | |
| | U+252B | uni252B | \pmboxdrawuni{252B} |
| | box drawings heavy vertical and left | | |
| | U+252C | SF060000 | \textSFvi |
| | box drawings light down and horizontal | | |
| | U+252D | uni252D | \pmboxdrawuni{252D} |
| | box drawings left heavy and right down light | | |
| | U+252E | uni252E | \pmboxdrawuni{252E} |
| | box drawings right heavy and left down light | | |
| | U+252F | uni252F | \pmboxdrawuni{252F} |
| | box drawings down light and horizontal heavy | | |

| Symbol | Unicode | Glyph name | LICR |
|---|---|---|---|
| | U+2530 | uni2530 | \pmboxdrawuni{2530} |
| | box drawings down heavy and horizontal light | | |
| | U+2531 | uni2531 | \pmboxdrawuni{2531} |
| | box drawings right light and left down heavy | | |
| | U+2532 | uni2532 | \pmboxdrawuni{2532} |
| | box drawings left light and right down heavy | | |
| | U+2533 | uni2533 | \pmboxdrawuni{2533} |
| | box drawings heavy down and horizontal | | |
| | U+2534 | SF070000 | \textSFvii |
| | box drawings light up and horizontal | | |
| | U+2535 | uni2535 | \pmboxdrawuni{2535} |
| | box drawings left heavy and right up light | | |
| | U+2536 | uni2536 | \pmboxdrawuni{2536} |
| | box drawings right heavy and left up light | | |
| | U+2537 | uni2537 | \pmboxdrawuni{2537} |
| | box drawings up light and horizontal heavy | | |
| | U+2538 | uni2538 | \pmboxdrawuni{2538} |
| | box drawings up heavy and horizontal light | | |
| | U+2539 | uni2539 | \pmboxdrawuni{2539} |
| | box drawings right light and left up heavy | | |
| | U+253A | uni253A | \pmboxdrawuni{253A} |
| | box drawings left light and right up heavy | | |
| | U+253B | uni253B | \pmboxdrawuni{253B} |
| | box drawings heavy up and horizontal | | |
| | U+253C | SF050000 | \textSFv |
| | box drawings light vertical and horizontal | | |
| | U+253D | uni253D | \pmboxdrawuni{253D} |
| | box drawings left heavy and right vertical light | | |
| | U+253E | uni253E | \pmboxdrawuni{253E} |
| | box drawings right heavy and left vertical light | | |
| | U+253F | uni253F | \pmboxdrawuni{253F} |
| | box drawings vertical light and horizontal heavy | | |
| | U+2540 | uni2540 | \pmboxdrawuni{2540} |
| | box drawings up heavy and down horizontal light | | |
| | U+2541 | uni2541 | \pmboxdrawuni{2541} |
| | box drawings down heavy and up horizontal light | | |
| | U+2542 | uni2542 | \pmboxdrawuni{2542} |
| | box drawings vertical heavy and horizontal light | | |
| | U+2543 | uni2543 | \pmboxdrawuni{2543} |
| | box drawings left up heavy and right down light | | |
| | U+2544 | uni2544 | \pmboxdrawuni{2544} |
| | box drawings right up heavy and left down light | | |
| | U+2545 | uni2545 | \pmboxdrawuni{2545} |
| | box drawings left down heavy and right up light | | |
| | U+2546 | uni2546 | \pmboxdrawuni{2546} |
| | box drawings right down heavy and left up light | | |
| | U+2547 | uni2547 | \pmboxdrawuni{2547} |
| | box drawings down light and up horizontal heavy | | |

| Symbol | Unicode | Glyph name | LICR |
|---|---|---|---|
| ┾ | U+2548 | uni2548 | \pmboxdrawuni{2548} |
| box drawings up light and down horizontal heavy | | | |
| ┿ | U+2549 | uni2549 | \pmboxdrawuni{2549} |
| box drawings right light and left vertical heavy | | | |
| ╀ | U+254A | uni254A | \pmboxdrawuni{254A} |
| box drawings left light and right vertical heavy | | | |
| ╋ | U+254B | uni254B | \pmboxdrawuni{254B} |
| box drawings heavy vertical and horizontal | | | |
| ═ | U+2550 | SF430000 | \textSFxliii |
| box drawings double horizontal | | | |
| ║ | U+2551 | SF240000 | \textSFxxiv |
| box drawings double vertical | | | |
| ╒ | U+2552 | SF510000 | \textSFli |
| box drawings down single and right double | | | |
| ╓ | U+2553 | SF520000 | \textSFlii |
| box drawings down double and right single | | | |
| ╔ | U+2554 | SF390000 | \textSFxxxix |
| box drawings double down and right | | | |
| ╕ | U+2555 | SF220000 | \textSFxxii |
| box drawings down single and left double | | | |
| ╖ | U+2556 | SF210000 | \textSFxxi |
| box drawings down double and left single | | | |
| ╗ | U+2557 | SF250000 | \textSFxxv |
| box drawings double down and left | | | |
| ╘ | U+2558 | SF500000 | \textSFl |
| box drawings up single and right double | | | |
| ╙ | U+2559 | SF490000 | \textSFxlix |
| box drawings up double and right single | | | |
| ╚ | U+255A | SF380000 | \textSFxxxviii |
| box drawings double up and right | | | |
| ╛ | U+255B | SF280000 | \textSFxxviii |
| box drawings up single and left double | | | |
| ╜ | U+255C | SF270000 | \textSFxxvii |
| box drawings up double and left single | | | |
| ╝ | U+255D | SF260000 | \textSFxxvi |
| box drawings double up and left | | | |
| ╞ | U+255E | SF360000 | \textSFxxxvi |
| box drawings vertical single and right double | | | |
| ╟ | U+255F | SF370000 | \textSFxxxvii |
| box drawings vertical double and right single | | | |
| ╠ | U+2560 | SF420000 | \textSFxlii |
| box drawings double vertical and right | | | |
| ╡ | U+2561 | SF190000 | \textSFxix |
| box drawings vertical single and left double | | | |
| ╢ | U+2562 | SF200000 | \textSFxx |
| box drawings vertical double and left single | | | |
| ╣ | U+2563 | SF230000 | \textSFxxiii |
| box drawings double vertical and left | | | |

| Symbol | Unicode | Glyph name | LICR |
|---|---|---|---|
| | U+2564 | SF470000 | \textSFxlvii |
| box drawings down single and horizontal double | | | |
| | U+2565 | SF480000 | \textSFxlviii |
| box drawings down double and horizontal single | | | |
| | U+2566 | SF410000 | \textSFxli |
| box drawings double down and horizontal | | | |
| | U+2567 | SF450000 | \textSFxlv |
| box drawings up single and horizontal double | | | |
| | U+2568 | SF460000 | \textSFxlvi |
| box drawings up double and horizontal single | | | |
| | U+2569 | SF400000 | \textSFxl |
| box drawings double up and horizontal | | | |
| | U+256A | SF540000 | \textSFliv |
| box drawings vertical single and horizontal double | | | |
| | U+256B | SF530000 | \textSFliii |
| box drawings vertical double and horizontal single | | | |
| | U+256C | SF440000 | \textSFxliv |
| box drawings double vertical and horizontal | | | |
| | U+2574 | uni2574 | \pmboxdrawuni{2574} |
| box drawings light left | | | |
| | U+2575 | uni2575 | \pmboxdrawuni{2575} |
| box drawings light up | | | |
| | U+2576 | uni2576 | \pmboxdrawuni{2576} |
| box drawings light right | | | |
| | U+2577 | uni2577 | \pmboxdrawuni{2577} |
| box drawings light down | | | |
| | U+2578 | uni2578 | \pmboxdrawuni{2578} |
| box drawings heavy left | | | |
| | U+2579 | uni2579 | \pmboxdrawuni{2579} |
| box drawings heavy up | | | |
| | U+257A | uni257A | \pmboxdrawuni{257A} |
| box drawings heavy right | | | |
| | U+257B | uni257B | \pmboxdrawuni{257B} |
| box drawings heavy down | | | |
| | U+257C | uni257C | \pmboxdrawuni{257C} |
| box drawings light left and heavy right | | | |
| | U+257D | uni257D | \pmboxdrawuni{257D} |
| box drawings light up and heavy down | | | |
| | U+257E | uni257E | \pmboxdrawuni{257E} |
| box drawings heavy left and light right | | | |
| | U+257F | uni257F | \pmboxdrawuni{257F} |
| box drawings heavy up and light down | | | |
| | U+2580 | upblock | \textupblock |
| upper half block | | | |
| | U+2581 | uni2581 | \pmboxdrawuni{2581} |
| lower one eighth block | | | |
| | U+2582 | uni2582 | \pmboxdrawuni{2582} |
| lower one quarter block | | | |

| Symbol | Unicode | Glyph name | LICR |
|---|---|---|---|
| | U+2583 | uni2583 | \pmboxdrawuni{2583} |
| | lower three eighths block | | |
| | U+2584 | dnblock | \textdnblock |
| | lower half block | | |
| | U+2585 | uni2585 | \pmboxdrawuni{2585} |
| | lower five eighths block | | |
| | U+2586 | uni2586 | \pmboxdrawuni{2586} |
| | lower three quarters block | | |
| | U+2587 | uni2587 | \pmboxdrawuni{2587} |
| | lower seven eighths block | | |
| | U+2588 | block | \textblock |
| | full block | | |
| | U+2589 | uni2589 | \pmboxdrawuni{2589} |
| | left seven eighths block | | |
| | U+258A | uni258A | \pmboxdrawuni{258A} |
| | left three quarters block | | |
| | U+258B | uni258B | \pmboxdrawuni{258B} |
| | left five eighths block | | |
| | U+258C | lfblock | \textlfblock |
| | left half block | | |
| | U+258D | uni258D | \pmboxdrawuni{258D} |
| | left three eighths block | | |
| | U+258E | uni258E | \pmboxdrawuni{258E} |
| | left one quarter block | | |
| | U+258F | uni258F | \pmboxdrawuni{258F} |
| | left one eighth block | | |
| | U+2590 | rtblock | \textrtblock |
| | right half block | | |
| | U+2591 | ltshade | \textltshade |
| | light shade | | |
| | U+2592 | shade | \textshade |
| | medium shade | | |
| | U+2593 | dkshade | \textdkshade |
| | dark shade | | |
| | U+2594 | uni2594 | \pmboxdrawuni{2594} |
| | upper one eighth block | | |
| | U+2595 | uni2595 | \pmboxdrawuni{2595} |
| | right one eighth block | | |
| | U+2596 | uni2596 | \pmboxdrawuni{2596} |
| | quadrant lower left | | |
| | U+2597 | uni2597 | \pmboxdrawuni{2597} |
| | quadrant lower right | | |
| | U+2598 | uni2598 | \pmboxdrawuni{2598} |
| | quadrant upper left | | |
| | U+2599 | uni2599 | \pmboxdrawuni{2599} |
| | quadrant upper left and lower left and lower right | | |
| | U+259A | uni259A | \pmboxdrawuni{259A} |
| | quadrant upper left and lower right | | |
| | U+259B | uni259B | \pmboxdrawuni{259B} |
| | quadrant upper left and upper right and lower left | | |

| Symbol | Unicode | Glyph name | LICR |
|---|---|---|---|
| | U+259C | uni259C | \pmboxdrawuni{259C} |
| | quadrant upper left and upper right and lower right | | |
| | U+259D | uni259D | \pmboxdrawuni{259D} |
| | quadrant upper right | | |
| | U+259E | uni259E | \pmboxdrawuni{259E} |
| | quadrant upper right and lower left | | |
| | U+259F | uni259F | \pmboxdrawuni{259F} |
| | quadrant upper right and lower left and lower right | | |

# 2 Implementation

## 2.1 Initial stuff

```
1 ⟨*package⟩
```

Reload check, especially if the package is not used with LaTeX.

```
2 \begingroup\catcode61\catcode48\catcode32=10\relax%
3   \catcode13=5 % ^^M
4   \endlinechar=13 %
5   \catcode35=6 % #
6   \catcode39=12 % '
7   \catcode44=12 % ,
8   \catcode45=12 % -
9   \catcode46=12 % .
10  \catcode58=12 % :
11  \catcode64=11 % @
12  \catcode123=1 % {
13  \catcode125=2 % }
14  \expandafter\let\expandafter\x\csname ver@pmboxdraw.sty\endcsname
15  \ifx\x\relax % plain-TeX, first loading
16  \else
17    \def\empty{}%
18    \ifx\x\empty % LaTeX, first loading,
19      % variable is initialized, but \ProvidesPackage not yet seen
20    \else
21      \expandafter\ifx\csname PackageInfo\endcsname\relax
22        \def\x#1#2{%
23          \immediate\write-1{Package #1 Info: #2.}%
24        }%
25      \else
26        \def\x#1#2{\PackageInfo{#1}{#2, stopped}}%
27      \fi
28      \x{pmboxdraw}{The package is already loaded}%
29      \aftergroup\endinput
30    \fi
31  \fi
32 \endgroup%
```

Package identification:

```
33 \begingroup\catcode61\catcode48\catcode32=10\relax%
34   \catcode13=5 % ^^M
35   \endlinechar=13 %
36   \catcode35=6 % #
37   \catcode39=12 % '
38   \catcode40=12 % (
39   \catcode41=12 % )
40   \catcode44=12 % ,
41   \catcode45=12 % -
42   \catcode46=12 % .
43   \catcode47=12 % /
44   \catcode58=12 % :
```

```
  \catcode64=11 % @
  \catcode91=12 % [
  \catcode93=12 % ]
  \catcode123=1 % {
  \catcode125=2 % }
  \expandafter\ifx\csname ProvidesPackage\endcsname\relax
    \def\x#1#2#3[#4]{\endgroup
      \immediate\write-1{Package: #3 #4}%
      \xdef#1{#4}%
    }%
  \else
    \def\x#1#2[#3]{\endgroup
      #2[{#3}]%
      \ifx#1\@undefined
        \xdef#1{#3}%
      \fi
      \ifx#1\relax
        \xdef#1{#3}%
      \fi
    }%
  \fi
\expandafter\x\csname ver@pmboxdraw.sty\endcsname
\ProvidesPackage{pmboxdraw}%
  [2016/05/16 v1.2 Poor man's box drawing characters (HO)]%
\begingroup\catcode61\catcode48\catcode32=10\relax%
  \catcode13=5 % ^^M
  \endlinechar=13 %
  \catcode123=1 % {
  \catcode125=2 % }
  \catcode64=11 % @
  \def\x{\endgroup
    \expandafter\edef\csname pmbd@AtEnd\endcsname{%
      \endlinechar=\the\endlinechar\relax
      \catcode13=\the\catcode13\relax
      \catcode32=\the\catcode32\relax
      \catcode35=\the\catcode35\relax
      \catcode61=\the\catcode61\relax
      \catcode64=\the\catcode64\relax
      \catcode123=\the\catcode123\relax
      \catcode125=\the\catcode125\relax
    }%
  }%
\x\catcode61\catcode48\catcode32=10\relax%
\catcode13=5 % ^^M
\endlinechar=13 %
\catcode35=6 % #
\catcode64=11 % @
\catcode123=1 % {
\catcode125=2 % }
\def\TMP@EnsureCode#1#2{%
  \edef\pmbd@AtEnd{%
    \pmbd@AtEnd
    \catcode#1=\the\catcode#1\relax
  }%
  \catcode#1=#2\relax
}
\TMP@EnsureCode{34}{12}% "
\TMP@EnsureCode{36}{3}% $
\TMP@EnsureCode{38}{4}% &
\TMP@EnsureCode{39}{12}% '
\TMP@EnsureCode{42}{12}% *
\TMP@EnsureCode{43}{12}% +
```

```
\TMP@EnsureCode{44}{12}% ,
\TMP@EnsureCode{45}{12}% -
\TMP@EnsureCode{46}{12}% .
\TMP@EnsureCode{47}{12}% /
\TMP@EnsureCode{60}{12}% <
\TMP@EnsureCode{62}{12}% >
\TMP@EnsureCode{91}{12}% [
\TMP@EnsureCode{93}{12}% ]
\TMP@EnsureCode{96}{12}% `
\edef\pmbd@AtEnd{\pmbd@AtEnd\noexpand\endinput}
```

## 2.2 Resources

```
\begingroup\expandafter\expandafter\expandafter\endgroup
\expandafter\ifx\csname RequirePackage\endcsname\relax
  \def\TMP@RequirePackage#1[#2]{%
    \begingroup\expandafter\expandafter\expandafter\endgroup
    \expandafter\ifx\csname ver@#1.sty\endcsname\relax
      \input #1.sty\relax
    \fi
  }%
\else
  \let\TMP@RequirePackage\RequirePackage
\fi
\TMP@RequirePackage{ltxcmds}[2010/12/12]%
\TMP@RequirePackage{kvsetkeys}[2011/01/30]%
\TMP@RequirePackage{kvdefinekeys}[2011/01/30]%
\TMP@RequirePackage{infwarerr}[2010/04/08]%
```

\ifpmbd@latex

```
\ltx@newif\ifpmbd@latex
\ltx@IfUndefined{fmtname}{}{%
  \def\pmbd@tmp{LaTeX2e}%
  \ifx\pmbd@tmp\fmtname
    \pmbd@latextrue
  \fi
}
```

## 2.3 Dummy font encoding

Using a dummy font encoding because of

```
\usepackage[utf8]{inputenc}
```

```
\ifpmbd@latex
  \DeclareFontEncoding{pmboxdraw}{}{}%
  \DeclareFontFamily{pmboxdraw}{pmboxdraw}{}%
  \DeclareFontShape{pmboxdraw}{pmboxdraw}{m}{n}{ <-> cmr10 }{}%
  \DeclareFontSubstitution{pmboxdraw}{pmboxdraw}{m}{n}%
```

## 2.4 Setup

### 2.4.1 Options

```
  \RequirePackage{kvoptions}[2010/02/22]%
  \SetupKeyvalOptions{%
    family=PMBD,%
    prefix=pmbd@%
  }%
\fi
```

```
\ltx@IfUndefined{dimexpr}{%
  \catcode36=9 %
  \catcode38=14 %
}{%
```

```
  \catcode36=14 %
  \catcode38=9 %
}
```

\pmbd@ProtectedDef

```
\ltx@IfUndefined{protected}{%
  \def\pmbd@ProtectedDef#1{%
    \let\pmbd@temp\ltx@gobble
    \@ifdefinable#1{%
      \def\pmbd@temp{\DeclareRobustCommand*#1}%
    }%
    \pmbd@temp
  }%
  \def\pmbd@ProtectedDefOne#1{%
    \let\pmbd@temp\ltx@gobble
    \@ifdefinable#1{%
      \def\pmbd@temp{\DeclareRobustCommand*#1[1]}%
    }%
    \pmbd@temp
  }%
}{%
  \def\pmbd@ProtectedDef#1{%
    \let\pmbd@temp\ltx@gobble
    \@ifdefinable#1{%
      \def\pmbd@temp{\protected\def#1}%
    }%
    \pmbd@temp
  }%
  \def\pmbd@ProtectedDefOne#1{%
    \let\pmbd@temp\ltx@gobblethree
    \@ifdefinable#1{%
      \def\pmbd@temp{\protected\def#1}%
    }%
    \pmbd@temp##1%
  }%
}
```

\pmboxdrawsetup

```
\pmbd@ProtectedDef\pmboxdrawsetup{%
  \kvsetkeys{PMBD}%
}

\catcode47=11 %
\def\pmbd@temp#1#2{%
  \DeclareStringOption[\width]{#1/width}%
  \DeclareStringOption[\height]{#1/height}%
  \DeclareStringOption[\depth]{#1/depth}%
  \DeclareStringOption[{#2}]{#1/box/default}%
  \expandafter\DeclareStringOption\expandafter[%
    \csname pmbd@#1/box/default\endcsname
  ]{#1/box}%
}
\pmbd@temp{BoxDrawing}{\strut0}%
\pmbd@temp{Block}{%
  \begingroup
    \sbox\z@{\strut}%
    \dimen@=\ht\z@
    \advance\dimen@\dp\z@
    \wd\z@=\dimen@
    \box\z@
  \endgroup
}%
\pmbd@temp{Shade}{%
```

```
  \begingroup
    \sbox\z@{\strut}%
    \dimen@=\ht\z@
    \advance\dimen@\dp\z@
    \wd\z@=\dimen@
    \box\z@
  \endgroup
}%
\pmbd@temp{TerminalGraphic}{%
  \begingroup
    \sbox\z@{\"A}%
    \wd\z@=\ht\z@
    \dp\z@=\z@
    \box\z@
  \endgroup
}%
\DeclareStringOption[.1\width]{BoxDrawing/thinlinewidth}
\DeclareStringOption[.25\width]{BoxDrawing/thicklinewidth}
\DeclareStringOption[.25\width]{BoxDrawing/doublelinesep}
%
\DeclareStringOption[\strut0]{box} %%
\DeclareStringOption[.1\width]{rulewidth}
\DeclareStringOption[.25\width]{doublerulesep}
```

\pmboxdrawUniRobust

```
\pmbd@ProtectedDefOne\pmboxdrawUniRobust{%
  \comma@parse{#1}{%
    \ltx@IfUndefined{pmbd@U+\comma@entry}{%
      \begingroup\expandafter\endgroup
      \expandafter
      \TextSymbolUnavailable\csname U+\comma@entry\endcsname
    }{%
      \csname pmbd@U+\comma@entry\endcsname
    }%
    \@gobble
  }%
}
```

\pmboxdrawuni

```
\newcommand*{\pmboxdrawuni}[1]{%
  \ifx\texorpdfstring\ltx@undefined
    \expandafter\ltx@firstoftwo
  \else
    \ifx\texorpdfstring\relax
      \expandafter\expandafter\expandafter\ltx@firstoftwo
    \else
      \expandafter\expandafter\expandafter\texorpdfstring
    \fi
  \fi
  {%
    \pmboxdrawUniRobust{#1}%
  }{%
    \expandafter\ifx\csname ifHy@unicode\expandafter\endcsname
        \csname iftrue\endcsname
      \expandafter\unichar\expandafter{\number"#1}%
    \fi
  }%
}
```

### 2.4.2 Setup commands of version 1.0

\pmboxdrawbox

```
\pmbd@ProtectedDefOne\pmboxdrawbox{%
  \def\pmbd@box{#1}%
}
```

\pmboxdrawrulewidth

```
\pmbd@ProtectedDefOne\pmboxdrawrulewidth{%
  \def\pmbd@rulewidth{#1}%
}
```

\pmboxdrawdoublerulesep

```
\pmbd@ProtectedDefOne\pmboxdrawdoublerulesep{%
  \def\pmbd@doublerulesep{#1}%
}
```

## 2.5 Utils

\pmbd@UniDef

```
\def\pmbd@UniDef#1#2{%
  \expandafter\pmbd@ProtectedDef\expandafter#1\expandafter{%
    \csname pmbd@U+#2\endcsname
  }%
}
```

\pmbd@SetLength

```
\ltx@ifpackageloaded{calc}{%
  \def\pmbd@SetLength{%
    \setlength
  }%
}{%
  \ltx@IfUndefined{dimexpr}{%
    \def\pmbd@SetDim#1#2{%
      #1=#2\relax
    }%
  }{%
    \def\pmbd@SetDim#1#2{%
      #1=\dimexpr#2\relax
    }%
  }%
  \def\pmbd@SetLength{%
    \ltx@ifpackageloaded{calc}{%
      \setlength
    }{%
      \pmbd@SetDim
    }%
  }%
  \AtBeginDocument{%
    \ltx@ifpackageloaded{calc}{%
      \def\pmbd@SetLength{\setlength}%
    }{%
      \let\pmbd@SetLength\pmbd@SetDim
    }%
  }%
}
```

\pmbd@W

```
\newdimen\pmbd@W
```

\pmbd@H

```
\newdimen\pmbd@H
```

\pmbd@L

```
\newdimen\pmbd@L
```

```
\pmbd@Thin
\newdimen\pmbd@Thin
\pmbd@Thick
\newdimen\pmbd@Thick
\pmbd@Sep
\newdimen\pmbd@Sep
\pmbd@A
\dimendef\pmbd@A=2 %
\pmbd@B
\dimendef\pmbd@B=4 %
\pmbd@C
\dimendef\pmbd@C=6 %
\pmbd@D
\dimendef\pmbd@D=8 %
\pmbd@BeginBox
\def\pmbd@BeginBox#1{%
  \ltx@leavevmode
  \@begin@tempboxa\hbox{%
    \csname pmbd@#1/box\endcsname
  }%
  \pmbd@SetLength\pmbd@W{%
    \csname pmbd@#1/width\endcsname
  }%
  \pmbd@SetLength\pmbd@H{%
    \csname pmbd@#1/height\endcsname
  }%
  \pmbd@SetLength\pmbd@L{%
    \csname pmbd@#1/depth\endcsname
  }%
  \advance\pmbd@H\pmbd@L
  \setbox\ltx@zero\hbox to \pmbd@W\bgroup
}
\pmbd@EndBox
\def\pmbd@EndBox{%
  \hss
  \egroup
  \ht\ltx@zero=\pmbd@H
  \dp\ltx@zero=\z@
  \ifdim\pmbd@L=\z@
  \else
    \lower\pmbd@L
  \fi
  \box\ltx@zero
  \@end@tempboxa
}
\pmbd@Rule
\def\pmbd@Rule#1#2#3{%
  \vrule\@width#1\@height#2\@depth#3\relax
}
```

## 2.6 Block elements

```
\def\pmbd@begin{%
  \begingroup
  \sbox\z@{\pmbd@box}%
  \ltx@leavevmode
  \setbox\tw@\hb@xt@\wd\z@\bgroup
}
\def\pmbd@end{%
  \egroup
  \ht\tw@\ht\z@
  \dp\tw@\dp\z@
  \box\tw@
  \endgroup
}
```

\pmbd@LowerBlock

```
\def\pmbd@LowerBlock#1{%
  \pmbd@BeginBox{Block}%
  \pmbd@Rule\pmbd@W{#1\pmbd@H}\z@
  \pmbd@EndBox
}
```

\pmbd@LeftBlock

```
\def\pmbd@LeftBlock#1{%
  \pmbd@BeginBox{Block}%
  \pmbd@Rule{#1\pmbd@W}\pmbd@H\z@
  \pmbd@EndBox
}
```

### 2.6.1 U+2580

UPPER HALF BLOCK

\textupblock

```
\pmbd@UniDef\textupblock{2580}
```

\pmbd@U+2580

```
\@namedef{pmbd@U+2580}{%
  \pmbd@BeginBox{Block}%
  \pmbd@Rule\pmbd@W\pmbd@H{-.5\pmbd@H}%
  \pmbd@EndBox
}
```

### 2.6.2 U+2581

LOWER ONE EIGHTH BLOCK

\pmbd@U+2581

```
\@namedef{pmbd@U+2581}{%
  \pmbd@LowerBlock{.125}%
}
```

### 2.6.3 U+2582

LOWER ONE QUARTER BLOCK

\pmbd@U+2582

```
\@namedef{pmbd@U+2582}{%
  \pmbd@LowerBlock{.25}%
}
```

### 2.6.4 U+2583

LOWER THREE EIGHTHS BLOCK

pmbd@U+2583

```
\@namedef{pmbd@U+2583}{%
  \pmbd@LowerBlock{.375}%
}
```

### 2.6.5 U+2584

LOWER HALF BLOCK

\textdnblock

```
\pmbd@UniDef\textdnblock{2584}
```

\pmbd@U+2584

```
\@namedef{pmbd@U+2584}{%
  \pmbd@LowerBlock{.5}%
}
```

### 2.6.6 U+2585

LOWER FIVE EIGHTHS BLOCK

pmbd@U+2585

```
\@namedef{pmbd@U+2585}{%
  \pmbd@LowerBlock{.625}%
}
```

### 2.6.7 U+2586

LOWER THREE QUARTERS BLOCK

pmbd@U+2586

```
\@namedef{pmbd@U+2586}{%
  \pmbd@LowerBlock{.75}%
}
```

### 2.6.8 U+2587

LOWER SEVEN EIGHTHS BLOCK

pmbd@U+2587

```
\@namedef{pmbd@U+2587}{%
  \pmbd@LowerBlock{.875}%
}
```

### 2.6.9 U+2588

FULL BLOCK

\textblock

```
\pmbd@UniDef\textblock{2588}
```

pmbd@U+2588

```
\@namedef{pmbd@U+2588}{%
  \pmbd@LowerBlock{}%
}
```

### 2.6.10 U+2589

LEFT SEVEN EIGHTHS BLOCK

\pmbd@U+2589

```
406 \@namedef{pmbd@U+2589}{%
407   \pmbd@LeftBlock{.875}%
408 }
```

### 2.6.11 U+258A

LEFT THREE QUARTERS BLOCK

\pmbd@U+258A

```
409 \@namedef{pmbd@U+258A}{%
410   \pmbd@LeftBlock{.75}%
411 }
```

### 2.6.12 U+258B

LEFT FIVE EIGHTHS BLOCK

\pmbd@U+258B

```
412 \@namedef{pmbd@U+258B}{%
413   \pmbd@LeftBlock{.625}%
414 }
```

### 2.6.13 U+258C

LEFT HALF BLOCK

\textlfblock

```
415 \pmbd@UniDef\textlfblock{258C}
```

\pmbd@U+258C

```
416 \@namedef{pmbd@U+258C}{%
417   \pmbd@LeftBlock{.5}%
418 }
```

### 2.6.14 U+258D

LEFT THREE EIGHTHS BLOCK

\pmbd@U+258D

```
419 \@namedef{pmbd@U+258D}{%
420   \pmbd@LeftBlock{.375}%
421 }
```

### 2.6.15 U+258E

LEFT ONE QUARTER BLOCK

\pmbd@U+258E

```
422 \@namedef{pmbd@U+258E}{%
423   \pmbd@LeftBlock{.25}%
424 }
```

### 2.6.16 U+258F

LEFT ONE EIGHTH BLOCK

\pmbd@U+258F

```
425 \@namedef{pmbd@U+258F}{%
426   \pmbd@LeftBlock{.125}%
427 }
```

### 2.6.17 U+2590

RIGHT HALF BLOCK

\textrtblock

```
\pmbd@UniDef\textrtblock{2590}
```

\pmbd@U+2590

```
\@namedef{pmbd@U+2590}{%
  \pmbd@BeginBox{Block}%
  \kern.5\pmbd@W
  \pmbd@Rule{.5\pmbd@W}\pmbd@H\z@
  \pmbd@EndBox
}
```

### 2.6.18 U+2594

UPPER ONE EIGHTH BLOCK

\pmbd@U+2594

```
\@namedef{pmbd@U+2594}{%
  \pmbd@BeginBox{Block}%
  \pmbd@Rule\pmbd@W\pmbd@H{-.875\pmbd@H}%
  \pmbd@EndBox
}
```

### 2.6.19 U+2595

RIGHT ONE EIGHTH BLOCK

\pmbd@U+2595

```
\@namedef{pmbd@U+2595}{%
  \pmbd@BeginBox{Block}%
  \kern.875\pmbd@W
  \pmbd@Rule{.125\pmbd@W}\pmbd@H\z@
  \pmbd@EndBox
}
```

## 2.7 Shade characters

\pmbd@BeginShade

```
\def\pmbd@Shade#1#2{%
  \pmbd@BeginBox{Shade}%
    \ltx@ifundefined{textcolor}{%
      \pmbd@colorwarning{#1}%
    }{%
      \textcolor[gray]{\csname pmbd@Shade/#2\endcsname}%
    }{%
      \pmbd@Rule\pmbd@W\pmbd@H\z@
    }%
  \pmbd@EndBox
}
```

### 2.7.1 U+2591

LIGHT SHADE

```
\DeclareStringOption[.75]{Shade/light}
```

\textltshade

```
\pmbd@UniDef\textltshade{2591}
```

\pmbd@U+2591

```
\@namedef{pmbd@U+2591}{%
  \pmbd@Shade{2591}{light}%
}
```

### 2.7.2 U+2592

MEDIUM SHADE

```
\DeclareStringOption[.5]{Shade/medium}
```

\textshade

```
\pmbd@UniDef\textshade{2592}
```

\pmbd@U+2592

```
\@namedef{pmbd@U+2592}{%
  \pmbd@Shade{2592}{medium}%
}
```

### 2.7.3 U+2593

DARK SHADE

```
\DeclareStringOption[.25]{Shade/dark}
```

\textdkshade

```
\pmbd@UniDef\textdkshade{2593}
```

\pmbd@U+2593

```
\@namedef{pmbd@U+2593}{%
  \pmbd@Shade{2593}{dark}%
}
```

### 2.7.4 Color warning

\pmbd@colorwarning

```
\def\pmbd@colorwarning#1{%
  \PackageWarning{pmboxdraw}{%
    U+#1 requires package \string`color\string'\MessageBreak
  }%
% \PackageWarningNoLine{pmboxdraw}{%
%    Package \string`color\string' is required for\MessageBreak
%    \string\textltshade, \string\textshade, and \string\textdkshade
% }%
% \global\let\pmbd@colorwarning\@secondoftwo
  \@firstofone
}
```

## 2.8 Terminal graphics characters

\pmbd@BeginTerminal

```
\def\pmbd@BeginTerminal{%
  \pmbd@BeginBox{TerminalGraphic}%
}
```

### 2.8.1 U+2596

QUADRANT LOWER LEFT

\pmbd@U+2596

```
\@namedef{pmbd@U+2596}{%
  \pmbd@BeginTerminal
  \pmbd@Rule{.5\pmbd@W}{.5\pmbd@H}\z@
  \pmbd@EndBox
}
```

### 2.8.2 U+2597

QUADRANT LOWER RIGHT

\pmbd@U+2597

```
\@namedef{pmbd@U+2597}{%
  \pmbd@BeginTerminal
  \kern.5\pmbd@W
  \pmbd@Rule{.5\pmbd@W}{.5\pmbd@H}\z@
  \pmbd@EndBox
}
```

### 2.8.3 U+2598

QUADRANT UPPER LEFT

\pmbd@U+2598

```
\@namedef{pmbd@U+2598}{%
  \pmbd@BeginTerminal
  \pmbd@Rule{.5\pmbd@W}{\pmbd@H}{-.5\pmbd@H}%
  \pmbd@EndBox
}
```

### 2.8.4 U+2599

QUADRANT UPPER LEFT AND LOWER LEFT AND LOWER RIGHT

\pmbd@U+2599

```
\@namedef{pmbd@U+2599}{%
  \pmbd@BeginTerminal
  \pmbd@Rule{.5\pmbd@W}{\pmbd@H}\z@
  \pmbd@Rule{.5\pmbd@W}{.5\pmbd@H}\z@
  \pmbd@EndBox
}
```

### 2.8.5 U+259A

QUADRANT UPPER LEFT AND LOWER RIGHT

\pmbd@U+259A

```
\@namedef{pmbd@U+259A}{%
  \pmbd@BeginTerminal
  \pmbd@Rule{.5\pmbd@W}{\pmbd@H}{-.5\pmbd@H}%
  \pmbd@Rule{.5\pmbd@W}{.5\pmbd@H}\z@
  \pmbd@EndBox
}
```

### 2.8.6 U+259B

QUADRANT UPPER LEFT AND UPPER RIGHT AND LOWER LEFT

\pmbd@U+259B

```
\@namedef{pmbd@U+259B}{%
  \pmbd@BeginTerminal
  \pmbd@Rule{.5\pmbd@W}{\pmbd@H}\z@
  \pmbd@Rule{.5\pmbd@W}{\pmbd@H}{-.5\pmbd@H}%
  \pmbd@EndBox
}
```

### 2.8.7 U+259C

QUADRANT UPPER LEFT AND UPPER RIGHT AND LOWER RIGHT

\pmbd@U+259C

```
\@namedef{pmbd@U+259C}{%
  \pmbd@BeginTerminal
  \pmbd@Rule{.5\pmbd@W}{\pmbd@H}{-.5\pmbd@H}%
  \pmbd@Rule{.5\pmbd@W}{\pmbd@H}\z@
  \pmbd@EndBox
}
```

### 2.8.8 U+259D

QUADRANT UPPER RIGHT

\pmbd@U+259D

```
\@namedef{pmbd@U+259D}{%
  \pmbd@BeginTerminal
  \kern.5\pmbd@W
  \pmbd@Rule{.5\pmbd@W}{\pmbd@H}{-.5\pmbd@H}%
  \pmbd@EndBox
}
```

### 2.8.9 U+259E

QUADRANT UPPER RIGHT AND LOWER LEFT

\pmbd@U+259E

```
\@namedef{pmbd@U+259E}{%
  \pmbd@BeginTerminal
  \pmbd@Rule{.5\pmbd@W}{.5\pmbd@H}\z@
  \pmbd@Rule{.5\pmbd@W}{\pmbd@H}{-.5\pmbd@H}%
  \pmbd@EndBox
}
```

### 2.8.10 U+259F

QUADRANT UPPER RIGHT AND LOWER LEFT AND LOWER RIGHT

\pmbd@U+259F

```
\@namedef{pmbd@U+259F}{%
  \pmbd@BeginTerminal
  \pmbd@Rule{.5\pmbd@W}{.5\pmbd@H}\z@
  \pmbd@Rule{.5\pmbd@W}{\pmbd@H}\z@
  \pmbd@EndBox
}
```

## 2.9 Box drawing

\pmbd@BeginDraw

```
\def\pmbd@BeginDraw#1#2{%
  \pmbd@BeginBox{BoxDrawing}%
  \ifx#1X%
    \pmbd@SetLength\pmbd@Thin\pmbd@BoxDrawing/thinlinewidth%
  \fi
  \ifx#2X%
    \pmbd@SetLength\pmbd@Thick\pmbd@BoxDrawing/thicklinewidth%
  \fi
}
```

### 2.9.1 U+2500

BOX DRAWINGS LIGHT HORIZONTAL

\textSFx

```
\pmbd@UniDef\textSFx{2500}
```

\pmbd@U+2500

```
\@namedef{pmbd@U+2500}{%
  \pmbd@BeginDraw X-%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& \dimen@=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@Rule\pmbd@W\dimen@{-\dimexpr\dimen@-\pmbd@Thin\relax}
  \pmbd@EndBox
}
```

### 2.9.2 U+2501

BOX DRAWINGS HEAVY HORIZONTAL

\pmbd@U+2501

```
\@namedef{pmbd@U+2501}{%
  \pmbd@BeginDraw -X%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@Rule\pmbd@W\pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
  \pmbd@EndBox
}
```

### 2.9.3 U+2502

BOX DRAWINGS LIGHT VERTICAL

\textSFxi

```
\pmbd@UniDef\textSFxi{2502}
```

\pmbd@U+2502

```
\@namedef{pmbd@U+2502}{%
  \pmbd@BeginDraw X-%
$ \pmbd@A=\pmbd@W
$ \advance\pmbd@A-\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \kern\pmbd@A
& \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
  \pmbd@Rule\pmbd@Thin\pmbd@H\z@
  \pmbd@EndBox
}
```

### 2.9.4 U+2503

BOX DRAWINGS HEAVY VERTICAL

\pmbd@U+2503

```
\@namedef{pmbd@U+2503}{%
  \pmbd@BeginDraw -X%
$ \pmbd@A=\pmbd@W
$ \advance\pmbd@A-\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \kern\pmbd@A
& \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
  \pmbd@Rule\pmbd@Thick\pmbd@H\z@
  \pmbd@EndBox
}
```

### 2.9.5 U+250C

BOX DRAWINGS LIGHT DOWN AND RIGHT

\textSFi

```
\pmbd@UniDef\textSFi{250C}
```

\pmbd@U+250C

```
\@namedef{pmbd@U+250C}{%
  \pmbd@BeginDraw X-%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thin
$ \pmbd@C=.5\pmbd@C
$ \pmbd@D=\pmbd@W
$ \advance\pmbd@D-\pmbd@C
$ \kern\pmbd@C
$ \pmbd@Rule\pmbd@Thin\pmbd@A\z@
$ \kern-\pmbd@Thin
$ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
& \kern\pmbd@C
& \pmbd@Rule\pmbd@Thin\pmbd@A\z@
& \kern-\pmbd@Thin
& \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}%
&   \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thin\relax}%
  \pmbd@EndBox
}
```

### 2.9.6 U+250D

BOX DRAWINGS DOWN LIGHT AND RIGHT HEAVY

\pmbd@U+250D

```
\@namedef{pmbd@U+250D}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
```

```
$ \advance\pmbd@C-\pmbd@Thin
$ \pmbd@C=.5\pmbd@C
$ \pmbd@D=\pmbd@W
$ \advance\pmbd@D-\pmbd@C
$ \kern\pmbd@C
$ \pmbd@Rule\pmbd@Thin\pmbd@A\z@
$ \kern-\pmbd@Thin
$ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
& \kern\pmbd@C
& \pmbd@Rule\pmbd@Thin\pmbd@A\z@
& \kern-\pmbd@Thin
& \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}%
&   \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
  \pmbd@EndBox
}
```

### 2.9.7 U+250E

BOX DRAWINGS DOWN HEAVY AND RIGHT LIGHT

\pmbd@U+250E

```
\@namedef{pmbd@U+250E}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thick
$ \pmbd@C=.5\pmbd@C
$ \pmbd@D=\pmbd@W
$ \advance\pmbd@D-\pmbd@C
$ \kern\pmbd@C
$ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
$ \kern-\pmbd@Thick
$ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thick\relax
& \kern\pmbd@C
& \pmbd@Rule\pmbd@Thick\pmbd@A\z@
& \kern-\pmbd@Thick
& \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}%
&   \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thin\relax}%
  \pmbd@EndBox
}
```

### 2.9.8 U+250F

BOX DRAWINGS HEAVY DOWN AND RIGHT

\pmbd@U+250F

```
\@namedef{pmbd@U+250F}{%
  \pmbd@BeginDraw -X%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thick
```

```
$ \pmbd@C=.5\pmbd@C
$ \pmbd@D=\pmbd@W
$ \advance\pmbd@D-\pmbd@C
$ \kern\pmbd@C
$ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
$ \kern-\pmbd@Thick
$ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thick\relax
& \kern\pmbd@C
& \pmbd@Rule\pmbd@Thick\pmbd@A\z@
& \kern-\pmbd@Thick
& \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}%
&   \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
  \pmbd@EndBox
}
```

### 2.9.9 U+2510

BOX DRAWINGS LIGHT DOWN AND LEFT

\textSFiii

```
\pmbd@UniDef\textSFiii{2510}
```

\pmbd@U+2510

```
\@namedef{pmbd@U+2510}{%
  \pmbd@BeginDraw X-%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C\pmbd@Thin
$ \pmbd@C=.5\pmbd@C
$ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
$ \kern-\pmbd@Thin
$ \pmbd@Rule\pmbd@Thin\pmbd@A\z@
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
&   \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thin\relax}%
& \kern-\pmbd@Thin
& \pmbd@Rule\pmbd@Thin\pmbd@A\z@
  \pmbd@EndBox
}
```

### 2.9.10 U+2511

BOX DRAWINGS DOWN LIGHT AND LEFT HEAVY

\pmbd@U+2511

```
\@namedef{pmbd@U+2511}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C\pmbd@Thin
$ \pmbd@C=.5\pmbd@C
$ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
```

```
$ \kern-\pmbd@Thin
$ \pmbd@Rule\pmbd@Thin\pmbd@A\z@
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
&   \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
& \kern-\pmbd@Thin
& \pmbd@Rule\pmbd@Thin\pmbd@A\z@
  \pmbd@EndBox
}
```

### 2.9.11 U+2512

BOX DRAWINGS DOWN HEAVY AND LEFT LIGHT

\pmbd@U+2512

```
\@namedef{pmbd@U+2512}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C\pmbd@Thick
$ \pmbd@C=.5\pmbd@C
$ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
$ \kern-\pmbd@Thick
$ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
&   \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thin\relax}%
& \kern-\pmbd@Thick
& \pmbd@Rule\pmbd@Thick\pmbd@A\z@
  \pmbd@EndBox
}
```

### 2.9.12 U+2513

BOX DRAWINGS HEAVY DOWN AND LEFT

\pmbd@U+2513

```
\@namedef{pmbd@U+2513}{%
  \pmbd@BeginDraw -X%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C\pmbd@Thick
$ \pmbd@C=.5\pmbd@C
$ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
$ \kern-\pmbd@Thick
$ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
&   \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
& \kern-\pmbd@Thick
& \pmbd@Rule\pmbd@Thick\pmbd@A\z@
  \pmbd@EndBox
}
```

### 2.9.13 U+2514

BOX DRAWINGS LIGHT UP AND RIGHT

\textSFii

```
\pmbd@UniDef\textSFii{2514}
```

\pmbd@U+2514

```
\@namedef{pmbd@U+2514}{%
  \pmbd@BeginDraw X-%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thin
$ \pmbd@C=.5\pmbd@C
$ \pmbd@D=\pmbd@W
$ \advance\pmbd@D-\pmbd@C
$ \kern\pmbd@C
$ \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
$ \kern-\pmbd@Thin
$ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
& \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
& \kern\pmbd@C
& \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
& \kern-\pmbd@Thin
& \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A\pmbd@B
  \pmbd@EndBox
}
```

### 2.9.14 U+2515

BOX DRAWINGS UP LIGHT AND RIGHT HEAVY

\pmbd@U+2515

```
\@namedef{pmbd@U+2515}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thin
$ \pmbd@C=.5\pmbd@C
$ \pmbd@D=\pmbd@W
$ \advance\pmbd@D-\pmbd@C
$ \kern\pmbd@C
$ \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
$ \kern-\pmbd@Thin
$ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
& \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
& \kern\pmbd@C
& \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
& \kern-\pmbd@Thin
& \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A\pmbd@B
  \pmbd@EndBox
}
```

### 2.9.15 U+2516

BOX DRAWINGS UP HEAVY AND RIGHT LIGHT

\pmbd@U+2516

```
\@namedef{pmbd@U+2516}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thick
$ \pmbd@C=.5\pmbd@C
$ \pmbd@D=\pmbd@W
$ \advance\pmbd@D-\pmbd@C
$ \kern\pmbd@C
$ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
$ \kern-\pmbd@Thick
$ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
& \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thick\relax
& \kern\pmbd@C
& \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
& \kern-\pmbd@Thin
& \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A\pmbd@B
  \pmbd@EndBox
}
```

### 2.9.16 U+2517

BOX DRAWINGS HEAVY UP AND RIGHT

\pmbd@U+2517

```
\@namedef{pmbd@U+2517}{%
  \pmbd@BeginDraw -X%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thick
$ \pmbd@C=.5\pmbd@C
$ \pmbd@D=\pmbd@W
$ \advance\pmbd@D-\pmbd@C
$ \kern\pmbd@C
$ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
$ \kern-\pmbd@Thick
$ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
& \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thick\relax
& \kern\pmbd@C
& \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
& \kern-\pmbd@Thick
& \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A\pmbd@B
  \pmbd@EndBox
}
```

### 2.9.17 U+2518

BOX DRAWINGS LIGHT UP AND LEFT

\textSFiv

```
\pmbd@UniDef\textSFiv{2518}
```

\pmbd@U+2518

```
\@namedef{pmbd@U+2518}{%
  \pmbd@BeginDraw X-%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C\pmbd@Thin
$ \pmbd@C=.5\pmbd@C
$ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
$ \kern-\pmbd@Thin
$ \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
& \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
&   \pmbd@A\pmbd@B
& \kern-\pmbd@Thin
& \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
  \pmbd@EndBox
}
```

### 2.9.18 U+2519

BOX DRAWINGS UP LIGHT AND LEFT HEAVY

\pmbd@U+2519

```
\@namedef{pmbd@U+2519}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C\pmbd@Thin
$ \pmbd@C=.5\pmbd@C
$ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
$ \kern-\pmbd@Thin
$ \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
& \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
&   \pmbd@A\pmbd@B
& \kern-\pmbd@Thin
& \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
  \pmbd@EndBox
}
```

### 2.9.19 U+251A

BOX DRAWINGS UP HEAVY AND LEFT LIGHT

\pmbd@U+251A

```
\@namedef{pmbd@U+251A}{%
```

```
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C\pmbd@Thick
$ \pmbd@C=.5\pmbd@C
$ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
$ \kern-\pmbd@Thick
$ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
& \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
&   \pmbd@A\pmbd@B
& \kern-\pmbd@Thick
& \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
  \pmbd@EndBox
}
```

### 2.9.20 U+251B

BOX DRAWINGS HEAVY UP AND LEFT

\pmbd@U+251B

```
\@namedef{pmbd@U+251B}{%
  \pmbd@BeginDraw -X%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C\pmbd@Thick
$ \pmbd@C=.5\pmbd@C
$ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
$ \kern-\pmbd@Thick
$ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
& \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
&   \pmbd@A\pmbd@B
& \kern-\pmbd@Thick
& \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
  \pmbd@EndBox
}
```

### 2.9.21 U+251C

BOX DRAWINGS LIGHT VERTICAL AND RIGHT

\textSFviii

```
\pmbd@UniDef\textSFviii{251C}
```

\pmbd@U+251C

```
\@namedef{pmbd@U+251C}{%
  \pmbd@BeginDraw X-%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
```

```
 $ \advance\pmbd@B\pmbd@Thin
 $ \pmbd@C=\pmbd@W
 $ \advance\pmbd@C-\pmbd@Thin
 $ \pmbd@C=.5\pmbd@C
 $ \pmbd@D=\pmbd@W
 $ \advance\pmbd@D-\pmbd@C
 $ \kern\pmbd@C
 $ \pmbd@Rule\pmbd@Thin\pmbd@H\z@
 $ \kern-\pmbd@Thin
 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
 & \kern\pmbd@C
 & \pmbd@Rule\pmbd@Thin\pmbd@H\z@
 & \kern-\pmbd@Thin
 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A
 &   {-\dimexpr\pmbd@A-\pmbd@Thin\relax}%
   \pmbd@EndBox
 }
```

### 2.9.22 U+251D

BOX DRAWINGS VERTICAL LIGHT AND RIGHT HEAVY

\pmbd@U+251D

```
 \@namedef{pmbd@U+251D}{%
   \pmbd@BeginDraw XX%
 $ \pmbd@A=\pmbd@H
 $ \advance\pmbd@A\pmbd@Thick
 $ \pmbd@A=.5\pmbd@A
 $ \pmbd@B=-\pmbd@A
 $ \advance\pmbd@B\pmbd@Thick
 $ \pmbd@C=\pmbd@W
 $ \advance\pmbd@C-\pmbd@Thin
 $ \pmbd@C=.5\pmbd@C
 $ \pmbd@D=\pmbd@W
 $ \advance\pmbd@D-\pmbd@C
 $ \kern\pmbd@C
 $ \pmbd@Rule\pmbd@Thin\pmbd@H\z@
 $ \kern-\pmbd@Thin
 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
 & \kern\pmbd@C
 & \pmbd@Rule\pmbd@Thin\pmbd@H\z@
 & \kern-\pmbd@Thin
 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A
 &   {-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
   \pmbd@EndBox
 }
```

### 2.9.23 U+251E

BOX DRAWINGS UP HEAVY AND RIGHT DOWN LIGHT

\pmbd@U+251E

```
 \@namedef{pmbd@U+251E}{%
   \pmbd@BeginDraw XX%
 $ \pmbd@A=\pmbd@H
 $ \advance\pmbd@A\pmbd@Thin
 $ \pmbd@A=.5\pmbd@A
 $ \pmbd@B=-\pmbd@A
 $ \advance\pmbd@B\pmbd@Thin
```

```
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thin
$ \pmbd@C=.5\pmbd@C
$ \pmbd@D=\pmbd@W
$ \advance\pmbd@D-\pmbd@C
$ \rlap{%
$   \kern\pmbd@C
$   \pmbd@Rule\pmbd@Thin\pmbd@H\z@
$   \kern-\pmbd@Thin
$   \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
$ }%
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thick
$ \kern.5\pmbd@C
$ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
& \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
& \rlap{%
&   \kern\pmbd@C
&   \pmbd@Rule\pmbd@Thin\pmbd@H\z@
&   \kern-\pmbd@Thin
&   \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A\pmbd@B
& }%
& \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
& \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
  \pmbd@EndBox
}
```

### 2.9.24 U+251F

BOX DRAWINGS DOWN HEAVY AND RIGHT UP LIGHT

\pmbd@U+251F

```
\@namedef{pmbd@U+251F}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thin
$ \pmbd@C=.5\pmbd@C
$ \pmbd@D=\pmbd@W
$ \advance\pmbd@D-\pmbd@C
$ \rlap{%
$   \kern\pmbd@C
$   \pmbd@Rule\pmbd@Thin\pmbd@H\z@
$   \kern-\pmbd@Thin
$   \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
$ }%
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thick
$ \kern.5\pmbd@C
$ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
& \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
& \rlap{%
&   \kern\pmbd@C
&   \pmbd@Rule\pmbd@Thin\pmbd@H\z@
&   \kern-\pmbd@Thin
```

```
& \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A\pmbd@B
& }%
& \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
& \pmbd@Rule\pmbd@Thick\pmbd@A\z@
  \pmbd@EndBox
}
```

### 2.9.25 U+2520

BOX DRAWINGS VERTICAL HEAVY AND RIGHT LIGHT

\pmbd@U+2520

```
\@namedef{pmbd@U+2520}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thick
$ \pmbd@C=.5\pmbd@C
$ \pmbd@D=\pmbd@W
$ \advance\pmbd@D-\pmbd@C
$ \kern\pmbd@C
$ \pmbd@Rule\pmbd@Thick\pmbd@H\z@
$ \kern-\pmbd@Thick
$ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thick\relax
& \kern\pmbd@C
& \pmbd@Rule\pmbd@Thick\pmbd@H\z@
& \kern-\pmbd@Thick
& \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A
&   {-\dimexpr\pmbd@A-\pmbd@Thin\relax}%
  \pmbd@EndBox
}
```

### 2.9.26 U+2521

BOX DRAWINGS DOWN LIGHT AND RIGHT UP HEAVY

\pmbd@U+2521

```
\@namedef{pmbd@U+2521}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thin
$ \pmbd@C=.5\pmbd@C
$ \pmbd@D=\pmbd@W
$ \advance\pmbd@D-\pmbd@C
$ \rlap{%
$   \kern\pmbd@C
$   \pmbd@Rule\pmbd@Thin\pmbd@H\z@
$   \kern-\pmbd@Thin
$   \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
$ }%
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thick
```

```
$ \kern.5\pmbd@C
$ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
& \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
& \rlap{%
&   \kern\pmbd@C
&   \pmbd@Rule\pmbd@Thin\pmbd@H\z@
&   \kern-\pmbd@Thin
&   \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A\pmbd@B
& }%
& \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
& \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
  \pmbd@EndBox
}
```

### 2.9.27 U+2522

BOX DRAWINGS UP LIGHT AND RIGHT DOWN HEAVY

\pmbd@U+2522

```
\@namedef{pmbd@U+2522}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thin
$ \pmbd@C=.5\pmbd@C
$ \pmbd@D=\pmbd@W
$ \advance\pmbd@D-\pmbd@C
$ \rlap{%
$   \kern\pmbd@C
$   \pmbd@Rule\pmbd@Thin\pmbd@H\z@
$   \kern-\pmbd@Thin
$   \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
$ }%
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thick
$ \kern.5\pmbd@C
$ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
& \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
& \rlap{%
&   \kern\pmbd@C
&   \pmbd@Rule\pmbd@Thin\pmbd@H\z@
&   \kern-\pmbd@Thin
&   \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A\pmbd@B
& }%
& \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
& \pmbd@Rule\pmbd@Thick\pmbd@A\z@
  \pmbd@EndBox
}
```

### 2.9.28 U+2523

BOX DRAWINGS HEAVY VERTICAL AND RIGHT

\pmbd@U+2523

```
\@namedef{pmbd@U+2523}{%
```

```
  \pmbd@BeginDraw -X%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thick
$ \pmbd@C=.5\pmbd@C
$ \pmbd@D=\pmbd@W
$ \advance\pmbd@D-\pmbd@C
$ \kern\pmbd@C
$ \pmbd@Rule\pmbd@Thick\pmbd@H\z@
$ \kern-\pmbd@Thick
$ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thick\relax
& \kern\pmbd@C
& \pmbd@Rule\pmbd@Thick\pmbd@H\z@
& \kern-\pmbd@Thick
& \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A
&   {-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
  \pmbd@EndBox
}
```

#### 2.9.29 U+2524

BOX DRAWINGS LIGHT VERTICAL AND LEFT

\textSFix

```
\pmbd@UniDef\textSFix{2524}
```

\pmbd@U+2524

```
\@namedef{pmbd@U+2524}{%
  \pmbd@BeginDraw X-%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C\pmbd@Thin
$ \pmbd@Rule{.5\pmbd@C}\pmbd@A\pmbd@B
$ \kern-\pmbd@Thin
$ \pmbd@Rule\pmbd@Thin\pmbd@H\z@
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
&   \pmbd@A{\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
& \kern-\pmbd@Thin
& \pmbd@Rule\pmbd@Thin\pmbd@H\z@
  \pmbd@EndBox
}
```

#### 2.9.30 U+2525

BOX DRAWINGS VERTICAL LIGHT AND LEFT HEAVY

\pmbd@U+2525

```
\@namedef{pmbd@U+2525}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
```

```
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C\pmbd@Thin
$ \pmbd@Rule{.5\pmbd@C}\pmbd@A\pmbd@B
$ \kern-\pmbd@Thin
$ \pmbd@Rule\pmbd@Thin\pmbd@H\z@
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
&   \pmbd@A{\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
& \kern-\pmbd@Thin
& \pmbd@Rule\pmbd@Thin\pmbd@H\z@
  \pmbd@EndBox
}
```

### 2.9.31 U+2526

BOX DRAWINGS UP HEAVY AND LEFT DOWN LIGHT

\pmbd@U+2526

```
\@namedef{pmbd@U+2526}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C\pmbd@Thin
$ \pmbd@D=\pmbd@W
$ \advance\pmbd@D-\pmbd@Thick
$ \rlap{%
$   \pmbd@Rule{.5\pmbd@C}\pmbd@A\pmbd@B
$   \kern-\pmbd@Thin
$   \pmbd@Rule\pmbd@Thin\pmbd@H\z@
$ }%
$ \kern.5\pmbd@D
$ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
& \rlap{%
&   \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
&     \pmbd@A\pmbd@B
&   \kern-\pmbd@Thin
&   \pmbd@Rule\pmbd@Thin\pmbd@H\z@
& }%
& \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
& \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
  \pmbd@EndBox
}
```

### 2.9.32 U+2527

BOX DRAWINGS DOWN HEAVY AND LEFT UP LIGHT

\pmbd@U+2527

```
\@namedef{pmbd@U+2527}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
```

```
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C\pmbd@Thin
$ \pmbd@D=\pmbd@W
$ \advance\pmbd@D-\pmbd@Thick
$ \rlap{%
$   \pmbd@Rule{.5\pmbd@C}\pmbd@A\pmbd@B
$   \kern-\pmbd@Thin
$   \pmbd@Rule\pmbd@Thin\pmbd@H\z@
$ }%
$ \kern.5\pmbd@D
$ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \rlap{%
&   \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
&     \pmbd@A{\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
&   \kern-\pmbd@Thin
&   \pmbd@Rule\pmbd@Thin\pmbd@H\z@
& }%
& \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
& \pmbd@Rule\pmbd@Thick\pmbd@A\z@
  \pmbd@EndBox
}
```

#### 2.9.33 U+2528

BOX DRAWINGS VERTICAL HEAVY AND LEFT LIGHT

\pmbd@U+2528

```
\@namedef{pmbd@U+2528}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C\pmbd@Thick
$ \pmbd@Rule{.5\pmbd@C}\pmbd@A\pmbd@B
$ \kern-\pmbd@Thick
$ \pmbd@Rule\pmbd@Thick\pmbd@H\z@
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
&   \pmbd@A{\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
& \kern-\pmbd@Thick
& \pmbd@Rule\pmbd@Thick\pmbd@H\z@
  \pmbd@EndBox
}
```

#### 2.9.34 U+2529

BOX DRAWINGS DOWN LIGHT AND LEFT UP HEAVY

\pmbd@U+2529

```
\@namedef{pmbd@U+2529}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C\pmbd@Thick
```

```
$ \pmbd@C=.5\pmbd@C
$ \rlap{%
$   \pmbd@C=\pmbd@W
$   \advance\pmbd@C-\pmbd@Thin
$   \kern.5\pmbd@C
$   \pmbd@Rule\pmbd@Thin\pmbd@H\z@
$ }%
$ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
$ \kern-\pmbd@Thick
$ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
& \rlap{%
&   \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
&   \pmbd@Rule\pmbd@Thin\pmbd@H\z@
& }%
& \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
&   \pmbd@A\pmbd@B
& \kern-\pmbd@Thick
& \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
  \pmbd@EndBox
}
```

### 2.9.35 U+252A

BOX DRAWINGS UP LIGHT AND LEFT DOWN HEAVY

\pmbd@U+252A

```
\@namedef{pmbd@U+252A}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C\pmbd@Thick
$ \pmbd@C=.5\pmbd@C
$ \rlap{%
$   \pmbd@C=\pmbd@W
$   \advance\pmbd@C-\pmbd@Thin
$   \kern.5\pmbd@C
$   \pmbd@Rule\pmbd@Thin\pmbd@H\z@
$ }%
$ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
$ \kern-\pmbd@Thick
$ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \rlap{%
&   \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
&   \pmbd@Rule\pmbd@Thin\pmbd@H\z@
& }%
& \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
&  \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
& \kern-\pmbd@Thick
& \pmbd@Rule\pmbd@Thick\pmbd@A\z@
  \pmbd@EndBox
}
```

### 2.9.36 U+252B

BOX DRAWINGS HEAVY VERTICAL AND LEFT

\pmbd@U+252B

```
\@namedef{pmbd@U+252B}{%
  \pmbd@BeginDraw -X%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C\pmbd@Thick
$ \pmbd@Rule{.5\pmbd@C}\pmbd@A\pmbd@B
$ \kern-\pmbd@Thick
$ \pmbd@Rule\pmbd@Thick\pmbd@H\z@
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
&   \pmbd@A{\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
& \kern-\pmbd@Thick
& \pmbd@Rule\pmbd@Thick\pmbd@H\z@
  \pmbd@EndBox
}
```

### 2.9.37 U+252C

BOX DRAWINGS LIGHT DOWN AND HORIZONTAL

\textSFvi

```
\pmbd@UniDef\textSFvi{252C}
```

\pmbd@U+252C

```
\@namedef{pmbd@U+252C}{%
  \pmbd@BeginDraw X-%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thin
$ \rlap{%
$   \kern.5\pmbd@C
$   \pmbd@Rule\pmbd@Thin\pmbd@A\z@
$ }%
$ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \rlap{%
&   \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
&   \pmbd@Rule\pmbd@Thin\pmbd@A\z@
& }%
& \pmbd@Rule\pmbd@W\pmbd@A
&   {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
  \pmbd@EndBox
}
```

### 2.9.38 U+252D

BOX DRAWINGS LEFT HEAVY AND RIGHT DOWN LIGHT

\pmbd@U+252D

```
\@namedef{pmbd@U+252D}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
```

```
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thin
$ \rlap{%
$   \pmbd@A=\pmbd@H
$   \advance\pmbd@A\pmbd@Thick
$   \pmbd@A=.5\pmbd@A
$   \pmbd@B=-\pmbd@A
$   \advance\pmbd@B\pmbd@Thick
$   \pmbd@C=\pmbd@W
$   \advance\pmbd@C\pmbd@Thin
$   \pmbd@Rule{.5\pmbd@C}\pmbd@A\pmbd@B
$ }%
$ \rlap{%
$   \kern.5\pmbd@C
$   \pmbd@Rule\pmbd@Thin\pmbd@A\z@
$ }%
$ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \rlap{%
&   \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
&   \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
&     \pmbd@A{\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
& }%
& \rlap{%
&   \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
&   \pmbd@Rule\pmbd@Thin\pmbd@A\z@
& }%
& \pmbd@Rule\pmbd@W\pmbd@A
&   {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
  \pmbd@EndBox
}
```

#### 2.9.39 U+252E

BOX DRAWINGS RIGHT HEAVY AND LEFT DOWN LIGHT

\pmbd@U+252E

```
\@namedef{pmbd@U+252E}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thin
$ \rlap{%
$   \pmbd@A=\pmbd@H
$   \advance\pmbd@A\pmbd@Thick
$   \pmbd@A=.5\pmbd@A
$   \pmbd@B=-\pmbd@A
$   \advance\pmbd@B\pmbd@Thick
$   \pmbd@C=\pmbd@W
$   \advance\pmbd@C-\pmbd@Thin
$   \pmbd@C=.5\pmbd@C
$   \kern\pmbd@C
$   \advance\pmbd@C-\pmbd@W
$   \pmbd@Rule{-\pmbd@C}\pmbd@A\pmbd@B
$ }%
$ \rlap{%
```

```
$   \kern.5\pmbd@C
$   \pmbd@Rule\pmbd@Thin\pmbd@A\z@
$ }%
$ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \rlap{%
&   \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
&   \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
&   \kern\pmbd@C
&   \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}%
&     \pmbd@A{\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
& }%
& \rlap{%
&   \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
&   \pmbd@Rule\pmbd@Thin\pmbd@A\z@
& }%
& \pmbd@Rule\pmbd@W\pmbd@A
&   {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
  \pmbd@EndBox
}
```

### 2.9.40 U+252F

BOX DRAWINGS DOWN LIGHT AND HORIZONTAL HEAVY

\pmbd@U+252F

```
\@namedef{pmbd@U+252F}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thin
$ \rlap{%
$   \kern.5\pmbd@C
$   \pmbd@Rule\pmbd@Thin\pmbd@A\z@
$ }%
$ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \rlap{%
&   \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
&   \pmbd@Rule\pmbd@Thin\pmbd@A\z@
& }%
& \pmbd@Rule\pmbd@W\pmbd@A
&   {\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
  \pmbd@EndBox
}
```

### 2.9.41 U+2530

BOX DRAWINGS DOWN HEAVY AND HORIZONTAL LIGHT

\pmbd@U+2530

```
\@namedef{pmbd@U+2530}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
```

```
$ \advance\pmbd@C-\pmbd@Thick
$ \rlap{%
$   \kern.5\pmbd@C
$   \pmbd@Rule\pmbd@Thick\pmbd@A\z@
$ }%
$ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \rlap{%
&   \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
&   \pmbd@Rule\pmbd@Thick\pmbd@A\z@
& }%
& \pmbd@Rule\pmbd@W\pmbd@A
&   {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
  \pmbd@EndBox
}
```

### 2.9.42 U+2531

BOX DRAWINGS RIGHT LIGHT AND LEFT DOWN HEAVY

\pmbd@U+2531

```
\@namedef{pmbd@U+2531}{%
  \pmbd@BeginDraw XX%
$  \pmbd@A=\pmbd@H
$  \advance\pmbd@A\pmbd@Thick
$  \pmbd@A=.5\pmbd@A
$  \pmbd@B=-\pmbd@A
$  \advance\pmbd@B\pmbd@Thick
$  \pmbd@C=\pmbd@W
$  \advance\pmbd@C\pmbd@Thick
$  \pmbd@C=.5\pmbd@C
$  \rlap{%
$    \pmbd@A=\pmbd@H
$    \advance\pmbd@A\pmbd@Thin
$    \pmbd@A=.5\pmbd@A
$    \pmbd@B=-\pmbd@A
$    \advance\pmbd@B\pmbd@Thin
$    \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
$  }%
$  \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
$  \kern-\pmbd@Thick
$  \pmbd@Rule\pmbd@Thick\pmbd@A\z@
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \rlap{%
&   \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
&   \pmbd@Rule\pmbd@W\pmbd@A
&     {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
& }%
& \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
&   \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
& \kern-\pmbd@Thick
& \pmbd@Rule\pmbd@Thick\pmbd@A\z@
  \pmbd@EndBox
}
```

### 2.9.43 U+2532

BOX DRAWINGS LEFT LIGHT AND RIGHT DOWN HEAVY

\pmbd@U+2532

```
\@namedef{pmbd@U+2532}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
```

```
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thick
$ \pmbd@C=.5\pmbd@C
$ \pmbd@D=\pmbd@W
$ \advance\pmbd@D-\pmbd@C
$ \rlap{%
$   \pmbd@A=\pmbd@H
$   \advance\pmbd@A\pmbd@Thin
$   \pmbd@A=.5\pmbd@A
$   \pmbd@B=-\pmbd@A
$   \advance\pmbd@B\pmbd@Thin
$   \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
$ }%
$ \kern\pmbd@C
$ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
$ \kern-\pmbd@Thick
$ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thick\relax
& \rlap{%
&   \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
&   \pmbd@Rule\pmbd@W\pmbd@A
&     {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
& }%
& \kern\pmbd@C
& \pmbd@Rule\pmbd@Thick\pmbd@A\z@
& \kern-\pmbd@Thick
& \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}%
&   \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
  \pmbd@EndBox
}
```

### 2.9.44 U+2533

BOX DRAWINGS HEAVY DOWN AND HORIZONTAL

\pmbd@U+2533

```
\@namedef{pmbd@U+2533}{%
  \pmbd@BeginDraw -X%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thick
$ \rlap{%
$   \kern.5\pmbd@C
$   \pmbd@Rule\pmbd@Thick\pmbd@A\z@
$ }%
$ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \rlap{%
&   \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
&   \pmbd@Rule\pmbd@Thick\pmbd@A\z@
& }%
& \pmbd@Rule\pmbd@W\pmbd@A
&   {\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
  \pmbd@EndBox
```

```
}
```

### 2.9.45 U+2534

BOX DRAWINGS LIGHT UP AND HORIZONTAL

\textSFvii

```
\pmbd@UniDef\textSFvii{2534}
```

\pmbd@U+2534

```
\@namedef{pmbd@U+2534}{%
  \pmbd@BeginDraw X-%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thin
$ \rlap{%
$   \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
$ }%
$ \kern.5\pmbd@C
$ \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
& \rlap{%
&   \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& }%
& \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
& \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
  \pmbd@EndBox
}
```

### 2.9.46 U+2535

BOX DRAWINGS LEFT HEAVY AND RIGHT UP LIGHL

\pmbd@U+2535

```
\@namedef{pmbd@U+2535}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thin
$ \rlap{%
$   \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
$ }%
$ \rlap{%
$   \pmbd@A=\pmbd@H
$   \advance\pmbd@A\pmbd@Thick
$   \pmbd@A=.5\pmbd@A
$   \pmbd@B=-\pmbd@A
$   \advance\pmbd@B\pmbd@Thick
$   \pmbd@C=\pmbd@W
$   \advance\pmbd@C\pmbd@Thin
$   \pmbd@Rule{.5\pmbd@C}\pmbd@A\pmbd@B
$ }%
$ \kern.5\pmbd@C
```

```
$ \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
& \rlap{%
&   \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& }%
& \rlap{%
&   \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
&   \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
&     \pmbd@A{\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
& }%
& \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
& \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
  \pmbd@EndBox
}
```

### 2.9.47 U+2536

BOX DRAWINGS RIGHT HEAVY AND LEFT UP LIGHT

\pmbd@U+2536

```
\@namedef{pmbd@U+2536}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thin
$ \rlap{%
$   \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
$ }%
$ \rlap{%
$   \pmbd@A=\pmbd@H
$   \advance\pmbd@A\pmbd@Thick
$   \pmbd@A=.5\pmbd@A
$   \pmbd@B=-\pmbd@A
$   \advance\pmbd@B\pmbd@Thick
$   \pmbd@C=\pmbd@W
$   \advance\pmbd@C-\pmbd@Thin
$   \pmbd@C=.5\pmbd@C
$   \kern\pmbd@C
$   \advance\pmbd@C-\pmbd@W
$   \pmbd@Rule{-\pmbd@C}\pmbd@A\pmbd@B
$ }%
$ \kern.5\pmbd@C
$ \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
& \rlap{%
&   \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& }%
& \rlap{%
&   \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
&   \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
&   \kern\pmbd@C
&   \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}%
&     \pmbd@A{\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
& }%
& \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
& \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
  \pmbd@EndBox
```

```
}
```

### 2.9.48 U+2537

BOX DRAWINGS UP LIGHT AND HORIZONTAL HEAVY

\pmbd@U+2537

```
\@namedef{pmbd@U+2537}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thin
$ \rlap{%
$   \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
$ }%
$ \kern.5\pmbd@C
$ \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
& \rlap{%
&   \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& }%
& \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
& \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
  \pmbd@EndBox
}
```

### 2.9.49 U+2538

BOX DRAWINGS UP HEAVY AND HORIZONTAL LIGHT

\pmbd@U+2538

```
\@namedef{pmbd@U+2538}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thick
$ \rlap{%
$   \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
$ }%
$ \kern.5\pmbd@C
$ \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
& \rlap{%
&   \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& }%
& \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
& \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
  \pmbd@EndBox
}
```

### 2.9.50 U+2539

BOX DRAWINGS RIGHT LIGHT AND LEFT UP HEAVY

\pmbd@U+2539

```
\@namedef{pmbd@U+2539}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C\pmbd@Thick
$ \pmbd@C=.5\pmbd@C
$ \rlap{%
$   \pmbd@A=\pmbd@H
$   \advance\pmbd@A\pmbd@Thin
$   \pmbd@A=.5\pmbd@A
$   \pmbd@B=-\pmbd@A
$   \advance\pmbd@B\pmbd@Thin
$   \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
$ }%
$ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
$ \kern-\pmbd@Thick
$ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
& \rlap{%
&   \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
&   \pmbd@Rule\pmbd@W\pmbd@A
&     {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
& }%
& \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
&   \pmbd@A\pmbd@B
& \kern-\pmbd@Thick
& \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
  \pmbd@EndBox
}
```

### 2.9.51 U+253A

BOX DRAWINGS LEFT LIGHT AND RIGHT UP HEAVY

\pmbd@U+253A

```
\@namedef{pmbd@U+253A}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thick
$ \pmbd@C=.5\pmbd@C
$ \pmbd@D=\pmbd@W
$ \advance\pmbd@D-\pmbd@C
$ \rlap{%
$   \pmbd@A=\pmbd@H
$   \advance\pmbd@A\pmbd@Thin
$   \pmbd@A=.5\pmbd@A
$   \pmbd@B=-\pmbd@A
$   \advance\pmbd@B\pmbd@Thin
$   \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
$ }%
$ \kern\pmbd@C
```

```
$ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
$ \kern-\pmbd@Thick
$ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
& \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thick\relax
& \rlap{%
&   \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
&   \pmbd@Rule\pmbd@W\pmbd@A
&     {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
& }%
& \kern\pmbd@C
& \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
& \kern-\pmbd@Thin
& \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A\pmbd@B
  \pmbd@EndBox
}
```

### 2.9.52 U+253B

BOX DRAWINGS HEAVY UP AND HORIZONTAL

\pmbd@U+253B

```
\@namedef{pmbd@U+253B}{%
  \pmbd@BeginDraw -X%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thick
$ \rlap{%
$   \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
$ }%
$ \kern.5\pmbd@C
$ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
& \rlap{%
&   \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& }%
& \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
& \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
  \pmbd@EndBox
}
```

### 2.9.53 U+253C

BOX DRAWINGS LIGHT VERTICAL AND HORIZONTAL

\textSFv

```
\pmbd@UniDef\textSFv{253C}
```

\pmbd@U+253C

```
\@namedef{pmbd@U+253C}{%
  \pmbd@BeginDraw X-%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
```

```
$ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& \dimen@=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@Rule\pmbd@W\dimen@{-\dimexpr\dimen@-\pmbd@Thin\relax}%
  \kern-\pmbd@W
$ \pmbd@A=\pmbd@W
$ \advance\pmbd@A-\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \kern\pmbd@A
& \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
  \pmbd@Rule\pmbd@Thin\pmbd@H\z@
  \pmbd@EndBox
}
```

### 2.9.54 U+253D

BOX DRAWINGS LEFT HEAVY AND RIGHT VERTICAL LIGHT

\pmbd@U+253D

```
\@namedef{pmbd@U+253D}{%
  \pmbd@BeginDraw XX%
  \rlap{%
$   \pmbd@A=\pmbd@H
$   \advance\pmbd@A\pmbd@Thick
$   \pmbd@A=.5\pmbd@A
$   \pmbd@B=-\pmbd@A
$   \advance\pmbd@B\pmbd@Thick
$   \pmbd@Rule{.5\pmbd@W}\pmbd@A\pmbd@B
&    \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
&    \pmbd@Rule{.5\pmbd@W}\pmbd@A
&      {\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
  }%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thin
$ \pmbd@C=.5\pmbd@C
$ \pmbd@D=\pmbd@W
$ \advance\pmbd@D-\pmbd@C
$ \kern\pmbd@C
$ \pmbd@Rule\pmbd@Thin\pmbd@H\z@
$ \kern-\pmbd@Thin
$ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
& \kern\pmbd@C
& \pmbd@Rule\pmbd@Thin\pmbd@H\z@
& \kern-\pmbd@Thin
& \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A
&   {-\dimexpr\pmbd@A-\pmbd@Thin\relax}%
  \pmbd@EndBox
}
```

### 2.9.55 U+253E

BOX DRAWINGS RIGHT HEAVY AND LEFT VERTICAL LIGHT

\pmbd@U+253E

```
\@namedef{pmbd@U+253E}{%
  \pmbd@BeginDraw XX%
  \rlap{%
```

```
    \kern.5\pmbd@W
$   \pmbd@A=\pmbd@H
$   \advance\pmbd@A\pmbd@Thick
$   \pmbd@A=.5\pmbd@A
$   \pmbd@B=-\pmbd@A
$   \advance\pmbd@B\pmbd@Thick
$   \pmbd@Rule{.5\pmbd@W}\pmbd@A\pmbd@B
&    \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
&    \pmbd@Rule{.5\pmbd@W}\pmbd@A
&      {\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
  }%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C\pmbd@Thin
$ \pmbd@Rule{.5\pmbd@C}\pmbd@A\pmbd@B
$ \kern-\pmbd@Thin
$ \pmbd@Rule\pmbd@Thin\pmbd@H\z@
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
&    \pmbd@A{\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
& \kern-\pmbd@Thin
& \pmbd@Rule\pmbd@Thin\pmbd@H\z@
  \pmbd@EndBox
}
```

### 2.9.56 U+253F

BOX DRAWINGS RIGHT HEAVY AND LEFT VERTICAL LIGHT

\pmbd@U+253F

```
\@namedef{pmbd@U+253F}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& \dimen@=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@Rule\pmbd@W\dimen@{-\dimexpr\dimen@-\pmbd@Thick\relax}%
  \kern-\pmbd@W
$ \pmbd@A=\pmbd@W
$ \advance\pmbd@A-\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \kern\pmbd@A
& \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
  \pmbd@Rule\pmbd@Thin\pmbd@H\z@
  \pmbd@EndBox
}
```

### 2.9.57 U+2540

BOX DRAWINGS UP HEAVY AND DOWN HORIZONTAL LIGHT

\pmbd@U+2540

```
\@namedef{pmbd@U+2540}{%
  \pmbd@BeginDraw XX%
  \rlap{%
$   \pmbd@C=\pmbd@W
```

```
$   \advance\pmbd@C-\pmbd@Thick
$   \kern.5\pmbd@C
&    \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
     \pmbd@Rule\pmbd@Thick\pmbd@H{-.5\pmbd@H}%
  }%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thin
$ \rlap{%
$   \kern.5\pmbd@C
$   \pmbd@Rule\pmbd@Thin\pmbd@A\z@
$ }%
$ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \rlap{%
&    \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
&    \pmbd@Rule\pmbd@Thin\pmbd@A\z@
& }%
& \pmbd@Rule\pmbd@W\pmbd@A
&    {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
  \pmbd@EndBox
}
```

### 2.9.58 U+2541

BOX DRAWINGS DOWN HEAVY AND UP HORIZONTAL LIGHT

\pmbd@U+2541

```
\@namedef{pmbd@U+2541}{%
  \pmbd@BeginDraw XX%
  \rlap{%
$   \pmbd@C=\pmbd@W
$   \advance\pmbd@C-\pmbd@Thick
$   \kern.5\pmbd@C
&    \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
     \pmbd@Rule\pmbd@Thick{.5\pmbd@H}\z@
  }%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thin
$ \rlap{%
$   \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
$ }%
$ \kern.5\pmbd@C
$ \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
& \rlap{%
&    \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& }%
& \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
& \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
  \pmbd@EndBox
}
```

### 2.9.59 U+2542

BOX DRAWINGS VERTICAL HEAVY AND HORIZONTAL LIGHT

\pmbd@U+2542

```
\@namedef{pmbd@U+2542}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& \dimen@=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@Rule\pmbd@W\dimen@{-\dimexpr\dimen@-\pmbd@Thin\relax}%
  \kern-\pmbd@W
$ \pmbd@A=\pmbd@W
$ \advance\pmbd@A-\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
& \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
  \pmbd@Rule\pmbd@Thick\pmbd@H\z@
  \pmbd@EndBox
}
```

### 2.9.60 U+2543

BOX DRAWINGS LEFT UP HEAVY AND RIGHT DOWN LIGHT

\pmbd@U+2543

```
\@namedef{pmbd@U+2543}{%
  \pmbd@BeginDraw XX%
  \rlap{%
$   \pmbd@A=\pmbd@H
$   \advance\pmbd@A\pmbd@Thin
$   \pmbd@A=.5\pmbd@A
$   \pmbd@B=-\pmbd@A
$   \advance\pmbd@B\pmbd@Thin
$   \pmbd@C=\pmbd@W
$   \advance\pmbd@C-\pmbd@Thin
$   \pmbd@C=.5\pmbd@C
$   \pmbd@D=\pmbd@W
$   \advance\pmbd@D-\pmbd@C
$   \kern\pmbd@C
$   \pmbd@Rule\pmbd@Thin\pmbd@A\z@
$   \kern-\pmbd@Thin
$   \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
&    \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
&    \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
&    \kern\pmbd@C
&    \pmbd@Rule\pmbd@Thin\pmbd@A\z@
&    \kern-\pmbd@Thin
&    \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}%
&      \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thin\relax}%
  }%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C\pmbd@Thick
$ \pmbd@C=.5\pmbd@C
$ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
```

```
$ \kern-\pmbd@Thick
$ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
& \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
&   \pmbd@A\pmbd@B
& \kern-\pmbd@Thick
& \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
  \pmbd@EndBox
}
```

### 2.9.61 U+2544

BOX DRAWINGS RIGHT UP HEAVY AND LEFT DOWN LIGHT

\pmbd@U+2544

```
\@namedef{pmbd@U+2544}{%
  \pmbd@BeginDraw XX%
  \rlap{%
$   \pmbd@A=\pmbd@H
$   \advance\pmbd@A\pmbd@Thin
$   \pmbd@A=.5\pmbd@A
$   \pmbd@B=-\pmbd@A
$   \advance\pmbd@B\pmbd@Thin
$   \pmbd@C=\pmbd@W
$   \advance\pmbd@C\pmbd@Thin
$   \pmbd@C=.5\pmbd@C
$   \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
$   \kern-\pmbd@Thin
$   \pmbd@Rule\pmbd@Thin\pmbd@A\z@
&   \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
&   \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
&     \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thin\relax}%
&   \kern-\pmbd@Thin
&   \pmbd@Rule\pmbd@Thin\pmbd@A\z@
  }%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thick
$ \pmbd@C=.5\pmbd@C
$ \pmbd@D=\pmbd@W
$ \advance\pmbd@D-\pmbd@C
$ \kern\pmbd@C
$ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
$ \kern-\pmbd@Thick
$ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
& \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thick\relax
& \kern\pmbd@C
& \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
& \kern-\pmbd@Thick
& \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A\pmbd@B
  \pmbd@EndBox
}
```

### 2.9.62 U+2545

BOX DRAWINGS LEFT DOWN HEAVY AND RIGHT UP LIGHT

\pmbd@U+2545

```
\@namedef{pmbd@U+2545}{%
  \pmbd@BeginDraw XX%
  \rlap{%
$   \pmbd@A=\pmbd@H
$   \advance\pmbd@A\pmbd@Thin
$   \pmbd@A=.5\pmbd@A
$   \pmbd@B=-\pmbd@A
$   \advance\pmbd@B\pmbd@Thin
$   \pmbd@C=\pmbd@W
$   \advance\pmbd@C-\pmbd@Thin
$   \pmbd@C=.5\pmbd@C
$   \pmbd@D=\pmbd@W
$   \advance\pmbd@D-\pmbd@C
$   \kern\pmbd@C
$   \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
$   \kern-\pmbd@Thin
$   \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
&    \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
&    \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
&    \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
&    \kern\pmbd@C
&    \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
&    \kern-\pmbd@Thin
&    \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A\pmbd@B
  }%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C\pmbd@Thick
$ \pmbd@C=.5\pmbd@C
$ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
$ \kern-\pmbd@Thick
$ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
&    \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
& \kern-\pmbd@Thick
& \pmbd@Rule\pmbd@Thick\pmbd@A\z@
  \pmbd@EndBox
}
```

### 2.9.63 U+2546

BOX DRAWINGS RIGHT DOWN HEAVY AND LEFT UP LIGHT

\pmbd@U+2546

```
\@namedef{pmbd@U+2546}{%
  \pmbd@BeginDraw XX%
  \rlap{%
$   \pmbd@A=\pmbd@H
$   \advance\pmbd@A\pmbd@Thin
$   \pmbd@A=.5\pmbd@A
$   \pmbd@B=-\pmbd@A
$   \advance\pmbd@B\pmbd@Thin
$   \pmbd@C=\pmbd@W
$   \advance\pmbd@C\pmbd@Thin
$   \pmbd@C=.5\pmbd@C
$   \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
```

```
$   \kern-\pmbd@Thin
$   \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
&    \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
&    \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
&    \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
&      \pmbd@A\pmbd@B
&    \kern-\pmbd@Thin
&    \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
  }%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thick
$ \pmbd@C=.5\pmbd@C
$ \pmbd@D=\pmbd@W
$ \advance\pmbd@D-\pmbd@C
$ \kern\pmbd@C
$ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
$ \kern-\pmbd@Thick
$ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thick\relax
& \kern\pmbd@C
& \pmbd@Rule\pmbd@Thick\pmbd@A\z@
& \kern-\pmbd@Thick
& \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}%
&    \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
  \pmbd@EndBox
}
```

### 2.9.64 U+2547

BOX DRAWINGS DOWN LIGHT AND UP HORIZONTAL HEAVY

\pmbd@U+2547

```
\@namedef{pmbd@U+2547}{%
  \pmbd@BeginDraw XX%
  \rlap{%
$   \pmbd@A=\pmbd@W
$   \advance\pmbd@A-\pmbd@Thin
$   \pmbd@A=.5\pmbd@A
$   \kern\pmbd@A
&    \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
     \pmbd@Rule\pmbd@Thin\pmbd@H\z@
  }%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thick
$ \rlap{%
$   \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
$ }%
$ \kern.5\pmbd@C
$ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
& \rlap{%
```

```
&   \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& }%
& \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
& \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
  \pmbd@EndBox
}
```

### 2.9.65 U+2548

BOX DRAWINGS UP LIGHT AND DOWN HORIZONTAL HEAVY

\pmbd@U+2548

```
\@namedef{pmbd@U+2548}{%
  \pmbd@BeginDraw XX%
  \rlap{%
$   \pmbd@A=\pmbd@W
$   \advance\pmbd@A-\pmbd@Thin
$   \pmbd@A=.5\pmbd@A
$   \kern\pmbd@A
&   \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
    \pmbd@Rule\pmbd@Thin\pmbd@H\z@
  }%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thick
$ \rlap{%
$   \kern.5\pmbd@C
$   \pmbd@Rule\pmbd@Thick\pmbd@A\z@
$ }%
$ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \rlap{%
&   \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
&   \pmbd@Rule\pmbd@Thick\pmbd@A\z@
& }%
& \pmbd@Rule\pmbd@W\pmbd@A
&   {\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
  \pmbd@EndBox
}
```

### 2.9.66 U+2549

BOX DRAWINGS RIGHT LIGHT AND LEFT VERTICAL HEAVY

\pmbd@U+2549

```
\@namedef{pmbd@U+2549}{%
  \pmbd@BeginDraw XX%
  \rlap{%
$   \pmbd@A=\pmbd@H
$   \advance\pmbd@A\pmbd@Thin
$   \pmbd@A=.5\pmbd@A
$   \pmbd@B=-\pmbd@A
$   \advance\pmbd@B\pmbd@Thin
$   \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
&   \dimen@=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
&   \pmbd@Rule\pmbd@W\dimen@{-\dimexpr\dimen@-\pmbd@Thin\relax}
  }%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
```

```
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C\pmbd@Thick
$ \pmbd@Rule{.5\pmbd@C}\pmbd@A\pmbd@B
$ \kern-\pmbd@Thick
$ \pmbd@Rule\pmbd@Thick\pmbd@H\z@
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
&   \pmbd@A{\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
& \kern-\pmbd@Thick
& \pmbd@Rule\pmbd@Thick\pmbd@H\z@
  \pmbd@EndBox
}
```

### 2.9.67 U+254A

BOX DRAWINGS LEFT LIGHT AND RIGHT VERTICAL HEAVY

\pmbd@U+254A

```
\@namedef{pmbd@U+254A}{%
  \pmbd@BeginDraw XX%
  \rlap{%
$   \pmbd@A=\pmbd@H
$   \advance\pmbd@A\pmbd@Thin
$   \pmbd@A=.5\pmbd@A
$   \pmbd@B=-\pmbd@A
$   \advance\pmbd@B\pmbd@Thin
$   \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
&   \dimen@=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
&   \pmbd@Rule\pmbd@W\dimen@{-\dimexpr\dimen@-\pmbd@Thin\relax}
  }%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thick
$ \pmbd@C=.5\pmbd@C
$ \pmbd@D=\pmbd@W
$ \advance\pmbd@D-\pmbd@C
$ \kern\pmbd@C
$ \pmbd@Rule\pmbd@Thick\pmbd@H\z@
$ \kern-\pmbd@Thick
$ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thick\relax
& \kern\pmbd@C
& \pmbd@Rule\pmbd@Thick\pmbd@H\z@
& \kern-\pmbd@Thick
& \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A
&   {-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
  \pmbd@EndBox
}
```

### 2.9.68 U+254B

BOX DRAWINGS HEAVY VERTICAL AND HORIZONTAL

\pmbd@U+254B

```
\@namedef{pmbd@U+254B}{%
```

```
  \pmbd@BeginDraw -X%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& \dimen@=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@Rule\pmbd@W\dimen@{-\dimexpr\dimen@-\pmbd@Thick\relax}%
  \kern-\pmbd@W
$ \pmbd@A=\pmbd@W
$ \advance\pmbd@A-\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \kern\pmbd@A
& \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
  \pmbd@Rule\pmbd@Thick\pmbd@H\z@
  \pmbd@EndBox
}
```

## 2.10 Box drawing, double lines

\pmbd@BeginDouble

```
\def\pmbd@BeginDouble{%
  \pmbd@BeginDraw X-%
  \pmbd@SetLength\pmbd@Sep\pmbd@BoxDrawing/doublelinesep%
}
```

\pmbd@beginB

```
\def\pmbd@beginB{%
  \pmbd@beginA
  \setlength{\dimen@}{\pmbd@doublerulesep}%
  \edef\pmbd@doublesepH{\number\dimen@ sp}%
}
```

\pmbd@beginC

```
\def\pmbd@beginC{%
  \pmbd@beginB
  \advance\dimen@\pmbd@rulewidth
  \edef\pmbd@doublesepV{\number\dimen@ sp}%
}
```

### 2.10.1 U+2550

BOX DRAWINGS DOUBLE HORIZONTAL

\textSFxliii

```
\pmbd@UniDef\textSFxliii{2550}
```

\pmbd@U+2550

```
\@namedef{pmbd@U+2550}{%
  \pmbd@BeginDouble
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A-\pmbd@Sep
$ \pmbd@A=.5\pmbd@A
& \pmbd@A=.5\dimexpr\pmbd@H-\pmbd@Sep\relax
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& \pmbd@Rule\pmbd@W\pmbd@A
&   {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
  \kern-\pmbd@W
$ \advance\pmbd@A\pmbd@Sep
```

```
$ \advance\pmbd@A\pmbd@Thin
$ \advance\pmbd@B-\pmbd@Sep
$ \advance\pmbd@B-\pmbd@Thin
& \pmbd@A=\dimexpr\pmbd@A+\pmbd@Sep+\pmbd@Thin\relax
$ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
& \pmbd@Rule\pmbd@W\pmbd@A
&   {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
  \pmbd@EndBox
}
```

### 2.10.2 U+2551

BOX DRAWINGS DOUBLE VERTICAL

\textSFxxiv

```
\pmbd@UniDef\textSFxxiv{2551}
```

pmbd@U+2551

```
\@namedef{pmbd@U+2551}{%
  \pmbd@BeginDouble
$ \pmbd@A=\pmbd@W
$ \advance\pmbd@A-\pmbd@Sep
$ \pmbd@A=.5\pmbd@A
$ \advance\pmbd@A-.5\pmbd@Thin
$ \kern\pmbd@A
& \kern\dimexpr.5\dimexpr\pmbd@W-\pmbd@Sep\relax-\pmbd@Thin\relax
  \pmbd@Rule\pmbd@Thin\pmbd@H\z@
  \kern\pmbd@Sep
  \pmbd@Rule\pmbd@Thin\pmbd@H\z@
  \pmbd@EndBox
}
```

### 2.10.3 U+2552

BOX DRAWINGS DOWN SINGLE AND RIGHT DOUBLE

\textSFli

```
\pmbd@UniDef\textSFli{2552}
```

\pmbd@U+2552

```
\@namedef{pmbd@U+2552}{%
  \pmbd@BeginDouble
  \pmbd@C=\pmbd@W
  \advance\pmbd@C-\pmbd@Thin
  \pmbd@C=.5\pmbd@C
  \kern\pmbd@C
  \pmbd@A=\pmbd@H
  \advance\pmbd@A\pmbd@Sep
  \pmbd@A=.5\pmbd@A
  \advance\pmbd@A\pmbd@Thin
  \pmbd@Rule\pmbd@Thin\pmbd@A\z@
  \kern-\pmbd@Thin
  \pmbd@D=\pmbd@W
  \advance\pmbd@D-\pmbd@C
  \pmbd@B=-\pmbd@A
  \advance\pmbd@B\pmbd@Thin
  \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
  \kern-\pmbd@D
  \advance\pmbd@A-\pmbd@Sep
  \advance\pmbd@A-\pmbd@Thin
  \advance\pmbd@B\pmbd@Sep
  \advance\pmbd@B\pmbd@Thin
```

```
  \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
  \pmbd@EndBox
}
```

### 2.10.4 U+2553

BOX DRAWINGS DOWN DOUBLE AND RIGHT SINGLE

\textSFlii

```
\pmbd@UniDef\textSFlii{2553}
```

\pmbd@U+2553

```
\@namedef{pmbd@U+2553}{%
  \pmbd@BeginDouble
  \pmbd@C=\pmbd@W
  \advance\pmbd@C-\pmbd@Sep
  \pmbd@C=.5\pmbd@C
  \advance\pmbd@C-\pmbd@Thin
  \kern\pmbd@C
  \pmbd@D=\pmbd@W
  \advance\pmbd@D-\pmbd@C
  \pmbd@A=\pmbd@H
  \advance\pmbd@A\pmbd@Thin
  \pmbd@A=.5\pmbd@A
  \pmbd@B=-\pmbd@A
  \advance\pmbd@B\pmbd@Thin
  \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
  \kern-\pmbd@D
  \pmbd@Rule\pmbd@Thin\pmbd@A\z@
  \kern\pmbd@Sep
  \pmbd@Rule\pmbd@Thin\pmbd@A\z@
  \pmbd@EndBox
}
```

### 2.10.5 U+2554

BOX DRAWINGS DOUBLE DOWN AND RIGHT

\textSFxxxix

```
\pmbd@UniDef\textSFxxxix{2554}
```

\pmbd@U+2554

```
\@namedef{pmbd@U+2554}{%
  \pmbd@BeginDouble
  \pmbd@C=\pmbd@W
  \advance\pmbd@C-\pmbd@Sep
  \pmbd@C=.5\pmbd@C
  \advance\pmbd@C-\pmbd@Thin
  \kern\pmbd@C
  \pmbd@A=\pmbd@H
  \advance\pmbd@A\pmbd@Sep
  \pmbd@A=.5\pmbd@A
  \advance\pmbd@A\pmbd@Thin
  \pmbd@B=-\pmbd@A
  \advance\pmbd@B\pmbd@Thin
  \pmbd@D=\pmbd@W
  \advance\pmbd@D-\pmbd@C
  \pmbd@Rule\pmbd@Thin\pmbd@A\z@
  \kern-\pmbd@Thin
  \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
  \advance\pmbd@D-\pmbd@Sep
  \advance\pmbd@D-\pmbd@Thin
```

```
  \kern-\pmbd@D
  \advance\pmbd@A-\pmbd@Sep
  \advance\pmbd@A-\pmbd@Thin
  \advance\pmbd@B\pmbd@Sep
  \advance\pmbd@B\pmbd@Thin
  \pmbd@Rule\pmbd@Thin\pmbd@A\z@
  \kern-\pmbd@Thin
  \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
  \pmbd@EndBox
}
```

### 2.10.6 U+2555

BOX DRAWINGS DOWN SINGLE AND LEFT DOUBLE

\textSFxxii

```
\pmbd@UniDef\textSFxxii{2555}
```

\pmbd@U+2555

```
\@namedef{pmbd@U+2555}{%
  \pmbd@BeginDouble
  \pmbd@A=\pmbd@H
  \advance\pmbd@A-\pmbd@Sep
  \pmbd@A=.5\pmbd@A
  \pmbd@B=-\pmbd@A
  \advance\pmbd@B\pmbd@Thin
  \pmbd@C=\pmbd@W
  \advance\pmbd@C\pmbd@Thin
  \pmbd@C=.5\pmbd@C
  \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
  \kern-\pmbd@C
  \advance\pmbd@A\pmbd@Sep
  \advance\pmbd@A\pmbd@Thin
  \advance\pmbd@B-\pmbd@Sep
  \advance\pmbd@B-\pmbd@Thin
  \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
  \kern-\pmbd@Thin
  \pmbd@Rule\pmbd@Thin\pmbd@A\z@
  \pmbd@EndBox
}
```

### 2.10.7 U+2556

BOX DRAWINGS DOWN DOUBLE AND LEFT SINGLE

\textSFxxi

```
\pmbd@UniDef\textSFxxi{2556}
```

\pmbd@U+2556

```
\@namedef{pmbd@U+2556}{%
  \pmbd@beginB
    \dimen@\ht\z@
    \advance\dimen@-\dp\z@
    \dimen\tw@\dimen@
    \advance\dimen@\pmbd@rulewidth
    \advance\dimen\tw@-\pmbd@rulewidth
    \rlap{%
      \dimen4 \wd\z@
      \advance\dimen4 \pmbd@doublesepH
      \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
    }%
    \hss
```

```
    \vrule\@width\pmbd@rulewidth\@height.5\dimen@
    \kern\pmbd@doublesepH
    \vrule\@width\pmbd@rulewidth\@height.5\dimen@
    \hss
  \pmbd@end
}
```

### 2.10.8 U+2557

BOX DRAWINGS DOUBLE DOWN AND LEFT

\textSFxxv

```
\pmbd@UniDef\textSFxxv{2557}
```

\pmbd@U+2557

```
\@namedef{pmbd@U+2557}{%
  \pmbd@beginC
    \dimen@\ht\z@
    \advance\dimen@-\dp\z@
    \dimen\tw@\dimen@
    \advance\dimen@\pmbd@rulewidth
    \advance\dimen\tw@-\pmbd@rulewidth
    \dimen4 \wd\z@
    \begingroup
      \advance\dimen@\pmbd@doublesepV
      \advance\dimen\tw@\pmbd@doublesepV
      \advance\dimen4 \pmbd@doublesepH
      \rlap{%
        \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
      }%
      \rlap{%
        \hb@xt@\wd\z@{%
          \hss
          \kern\pmbd@rulewidth
          \kern\pmbd@doublesepH
          \vrule\@width\pmbd@rulewidth\@height.5\dimen@\@depth\dp\z@
          \hss
        }%
      }%
    \endgroup
    \advance\dimen@-\pmbd@doublesepV
    \advance\dimen\tw@-\pmbd@doublesepV
    \advance\dimen4 -\pmbd@doublesepH
    \rlap{%
      \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
    }%
    \hss
    \vrule\@width\pmbd@rulewidth\@height.5\dimen@
    \kern\pmbd@doublesepH
    \kern\pmbd@rulewidth
    \hss
  \pmbd@end
}
```

### 2.10.9 U+2558

BOX DRAWINGS UP SINGLE AND RIGHT DOUBLE

\textSFl

```
\pmbd@UniDef\textSFl{2558}
```

\pmbd@U+2558

```
\@namedef{pmbd@U+2558}{%
  \pmbd@beginC
    \dimen@\ht\z@
    \advance\dimen@-\dp\z@
    \dimen\tw@\dimen@
    \advance\dimen@\pmbd@rulewidth
    \advance\dimen\tw@-\pmbd@rulewidth
    \rlap{%
      \advance\dimen@\pmbd@doublesepV
      \advance\dimen\tw@\pmbd@doublesepV
      \kern.5\wd\z@
      \vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
    }%
    \advance\dimen@-\pmbd@doublesepV
    \advance\dimen\tw@-\pmbd@doublesepV
    \rlap{%
      \kern.5\wd\z@
      \vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
    }%
    \hss
    \vrule\@width\pmbd@rulewidth\@depth-.5\dimen\tw@
    \hss
  \pmbd@end
}
```

### 2.10.10 U+2559

BOX DRAWINGS UP DOUBLE AND RIGHT SINGLE

\textSFxlix

```
\pmbd@UniDef\textSFxlix{2559}
```

\pmbd@U+2559

```
\@namedef{pmbd@U+2559}{%
  \pmbd@beginB
    \dimen@\ht\z@
    \advance\dimen@-\dp\z@
    \dimen\tw@\dimen@
    \advance\dimen@\pmbd@rulewidth
    \advance\dimen\tw@-\pmbd@rulewidth
    \rlap{%
      \dimen4 \wd\z@
      \advance\dimen4 \pmbd@doublesepH
      \hb@xt@\wd\z@{%
        \hfill
        \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
      }%
    }%
    \hss
    \vrule\@width\pmbd@rulewidth\@depth-.5\dimen\tw@
    \kern\pmbd@doublesepH
    \vrule\@width\pmbd@rulewidth\@depth-.5\dimen\tw@
    \hss
  \pmbd@end
}
```

### 2.10.11 U+255A

BOX DRAWINGS DOUBLE UP AND RIGHT

\textSFxxxviii

```
\pmbd@UniDef\textSFxxxviii{255A}
```

\pmbd@U+255A

```
\@namedef{pmbd@U+255A}{%
  \pmbd@beginC
    \dimen@\ht\z@
    \advance\dimen@-\dp\z@
    \dimen\tw@\dimen@
    \advance\dimen@\pmbd@rulewidth
    \advance\dimen\tw@-\pmbd@rulewidth
    \dimen4 \wd\z@
    \begingroup
      \advance\dimen@\pmbd@doublesepV
      \advance\dimen\tw@\pmbd@doublesepV
      \advance\dimen4 -\pmbd@doublesepH
      \rlap{%
        \hb@xt@\wd\z@{%
          \hss
          \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
        }%
      }%
      \rlap{%
        \hb@xt@\wd\z@{%
          \hss
          \kern\pmbd@rulewidth
          \kern\pmbd@doublesepH
          \vrule\@width\pmbd@rulewidth\@height\ht\z@\@depth-.5\dimen\tw@
          \hss
        }%
      }%
    \endgroup
    \advance\dimen@-\pmbd@doublesepV
    \advance\dimen\tw@-\pmbd@doublesepV
    \advance\dimen4 \pmbd@doublesepH
    \rlap{%
      \hb@xt@\wd\z@{%
        \hss
        \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
      }%
    }%
    \hss
    \vrule\@width\pmbd@rulewidth\@depth-.5\dimen\tw@
    \kern\pmbd@doublesepH
    \kern\pmbd@rulewidth
    \hss
  \pmbd@end
}
```

### 2.10.12 U+255B

BOX DRAWINGS UP SINGLE AND LEFT DOUBLE

\textSFxxviii

```
\pmbd@UniDef\textSFxxviii{255B}
```

\pmbd@U+255B

```
\@namedef{pmbd@U+255B}{%
  \pmbd@beginC
    \dimen@\ht\z@
    \advance\dimen@-\dp\z@
    \dimen\tw@\dimen@
    \advance\dimen@\pmbd@rulewidth
    \advance\dimen\tw@-\pmbd@rulewidth
    \rlap{%
```

```
    \advance\dimen@\pmbd@doublesepV
    \advance\dimen\tw@\pmbd@doublesepV
    \vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
   }%
   \advance\dimen@-\pmbd@doublesepV
   \advance\dimen\tw@-\pmbd@doublesepV
   \rlap{%
    \vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
   }%
   \hss
   \vrule\@width\pmbd@rulewidth\@depth-.5\dimen\tw@
   \hss
  \pmbd@end
}
```

### 2.10.13 U+255C

BOX DRAWINGS UP DOUBLE AND LEFT SINGLE

\textSFxxvii

```
\pmbd@UniDef\textSFxxvii{255C}
```

\pmbd@U+255C

```
\@namedef{pmbd@U+255C}{%
  \pmbd@beginB
   \dimen@\ht\z@
   \advance\dimen@-\dp\z@
   \dimen\tw@\dimen@
   \advance\dimen@\pmbd@rulewidth
   \advance\dimen\tw@-\pmbd@rulewidth
   \rlap{%
    \dimen4 \wd\z@
    \advance\dimen4 \pmbd@doublesepH
    \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
   }%
   \hss
   \vrule\@width\pmbd@rulewidth\@depth-.5\dimen\tw@
   \kern\pmbd@doublesepH
   \vrule\@width\pmbd@rulewidth\@depth-.5\dimen\tw@
   \hss
  \pmbd@end
}
```

### 2.10.14 U+255D

BOX DRAWINGS DOUBLE UP AND LEFT

\textSFxxvi

```
\pmbd@UniDef\textSFxxvi{255D}
```

\pmbd@U+255D

```
\@namedef{pmbd@U+255D}{%
  \pmbd@beginC
   \dimen@\ht\z@
   \advance\dimen@-\dp\z@
   \dimen\tw@\dimen@
   \advance\dimen@\pmbd@rulewidth
   \advance\dimen\tw@-\pmbd@rulewidth
   \dimen4 \wd\z@
   \begingroup
    \advance\dimen@\pmbd@doublesepV
    \advance\dimen\tw@\pmbd@doublesepV
```

```
      \advance\dimen4 -\pmbd@doublesepH
      \rlap{%
        \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
      }%
      \rlap{%
        \hb@xt@\wd\z@{%
          \hss
          \vrule\@width\pmbd@rulewidth\@height\ht\z@\@depth-.5\dimen\tw@
          \kern\pmbd@doublesepH
          \kern\pmbd@rulewidth
          \hss
        }%
      }%
    \endgroup
    \advance\dimen@-\pmbd@doublesepV
    \advance\dimen\tw@-\pmbd@doublesepV
    \advance\dimen4 \pmbd@doublesepH
    \rlap{%
      \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
    }%
    \hss
    \kern\pmbd@rulewidth
    \kern\pmbd@doublesepH
    \vrule\@width\pmbd@rulewidth\@depth-.5\dimen\tw@
    \hss
  \pmbd@end
}
```

### 2.10.15 U+255E

BOX DRAWINGS VERTICAL SINGLE AND RIGHT DOUBLE

\textSFxxxvi

```
\pmbd@UniDef\textSFxxxvi{255E}
```

\pmbd@U+255E

```
\@namedef{pmbd@U+255E}{%
  \pmbd@beginC
    \dimen@\ht\z@
    \advance\dimen@-\dp\z@
    \dimen\tw@\dimen@
    \advance\dimen@\pmbd@rulewidth
    \advance\dimen\tw@-\pmbd@rulewidth
    \rlap{%
      \kern.5\wd\z@
      \advance\dimen@\pmbd@doublesepV
      \advance\dimen\tw@\pmbd@doublesepV
      \vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
    }%
    \rlap{%
      \kern.5\wd\z@
      \advance\dimen@-\pmbd@doublesepV
      \advance\dimen\tw@-\pmbd@doublesepV
      \vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
    }%
    \hss
    \vrule\@width\pmbd@rulewidth
    \hss
  \pmbd@end
}
```

### 2.10.16 U+255F

BOX DRAWINGS VERTICAL DOUBLE AND RIGHT SINGLE

\textSFxxxvii

```
\pmbd@UniDef\textSFxxxvii{255F}
```

\pmbd@U+255F

```
\@namedef{pmbd@U+255F}{%
  \pmbd@beginB
    \dimen@\ht\z@
    \advance\dimen@-\dp\z@
    \dimen\tw@\dimen@
    \advance\dimen@\pmbd@rulewidth
    \advance\dimen\tw@-\pmbd@rulewidth
    \rlap{%
      \dimen4 \wd\z@
      \advance\dimen4 -\pmbd@doublesepH
      \hb@xt@\wd\z@{%
        \hfill
        \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
      }%
    }%
    \hss
    \vrule\@width\pmbd@rulewidth
    \kern\pmbd@doublesepH
    \vrule\@width\pmbd@rulewidth
    \hss
  \pmbd@end
}
```

### 2.10.17 U+2560

BOX DRAWINGS DOUBLE VERTICAL AND RIGHT

\textSFxlii

```
\pmbd@UniDef\textSFxlii{2560}
```

\pmbd@U+2560

```
\@namedef{pmbd@U+2560}{%
  \pmbd@beginC
    \dimen@\ht\z@
    \advance\dimen@-\dp\z@
    \dimen\tw@\dimen@
    \advance\dimen@\pmbd@rulewidth
    \advance\dimen\tw@-\pmbd@rulewidth
    \dimen4 \wd\z@
    \advance\dimen4 -\pmbd@doublesepH
    \begingroup
      \advance\dimen@\pmbd@doublesepV
      \advance\dimen\tw@\pmbd@doublesepV
      \rlap{%
        \hb@xt@\wd\z@{%
          \hss
          \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
        }%
      }%
      \rlap{%
        \hb@xt@\wd\z@{%
          \hss
          \kern\pmbd@rulewidth
          \kern\pmbd@doublesepH
          \vrule\@width\pmbd@rulewidth\@height\ht\z@\@depth-.5\dimen\tw@
```

```
        \hss
      }%
    }%
  \endgroup
  \advance\dimen@-\pmbd@doublesepV
  \advance\dimen\tw@-\pmbd@doublesepV
  \rlap{%
    \hb@xt@\wd\z@{%
      \hss
      \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
    }%
  }%
  \hss
  \vrule\@width\pmbd@rulewidth
  \kern\pmbd@doublesepH
  \vrule\@width\pmbd@rulewidth\@height.5\dimen@
  \hss
 \pmbd@end
}
```

### 2.10.18 U+2561

BOX DRAWINGS VERTICAL SINGLE AND LEFT DOUBLE

\textSFxix

```
\pmbd@UniDef\textSFxix{2561}
```

\pmbd@U+2561

```
\@namedef{pmbd@U+2561}{%
  \pmbd@beginC
    \dimen@\ht\z@
    \advance\dimen@-\dp\z@
    \dimen\tw@\dimen@
    \advance\dimen@\pmbd@rulewidth
    \advance\dimen\tw@-\pmbd@rulewidth
    \rlap{%
      \advance\dimen@\pmbd@doublesepV
      \advance\dimen\tw@\pmbd@doublesepV
      \vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
    }%
    \rlap{%
      \advance\dimen@-\pmbd@doublesepV
      \advance\dimen\tw@-\pmbd@doublesepV
      \vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
    }%
    \hss
    \vrule\@width\pmbd@rulewidth
    \hss
  \pmbd@end
}
```

### 2.10.19 U+2562

BOX DRAWINGS VERTICAL DOUBLE AND LEFT SINGLE

\textSFxx

```
\pmbd@UniDef\textSFxx{2562}
```

\pmbd@U+2562

```
\@namedef{pmbd@U+2562}{%
  \pmbd@beginB
    \dimen@\ht\z@
```

```
    \advance\dimen@-\dp\z@
    \dimen\tw@\dimen@
    \advance\dimen@\pmbd@rulewidth
    \advance\dimen\tw@-\pmbd@rulewidth
    \rlap{%
      \dimen4 \wd\z@
      \advance\dimen4 -\pmbd@doublesepH
      \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
    }%
    \hss
    \vrule\@width\pmbd@rulewidth
    \kern\pmbd@doublesepH
    \vrule\@width\pmbd@rulewidth
    \hss
  \pmbd@end
}
```

### 2.10.20 U+2563

BOX DRAWINGS DOUBLE VERTICAL AND LEFT

\textSFxxiii

```
\pmbd@UniDef\textSFxxiii{2563}
```

\pmbd@U+2563

```
\@namedef{pmbd@U+2563}{%
  \pmbd@beginC
    \dimen@\ht\z@
    \advance\dimen@-\dp\z@
    \dimen\tw@\dimen@
    \advance\dimen@\pmbd@rulewidth
    \advance\dimen\tw@-\pmbd@rulewidth
    \dimen4 \wd\z@
    \advance\dimen4 -\pmbd@doublesepH
    \begingroup
      \advance\dimen@\pmbd@doublesepV
      \advance\dimen\tw@\pmbd@doublesepV
      \rlap{%
        \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
      }%
      \rlap{%
        \hb@xt@\wd\z@{%
          \hss
          \vrule\@width\pmbd@rulewidth\@height\ht\z@\@depth-.5\dimen\tw@
          \kern\pmbd@doublesepH
          \kern\pmbd@rulewidth
          \hss
        }%
      }%
    \endgroup
    \advance\dimen@-\pmbd@doublesepV
    \advance\dimen\tw@-\pmbd@doublesepV
    \rlap{%
      \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
    }%
    \hss
    \vrule\@width\pmbd@rulewidth\@height.5\dimen@
    \kern\pmbd@doublesepH
    \vrule\@width\pmbd@rulewidth
    \hss
  \pmbd@end
}
```

### 2.10.21 U+2564

BOX DRAWINGS DOWN SINGLE AND HORIZONTAL DOUBLE

\textSFxlvii

```
\pmbd@UniDef\textSFxlvii{2564}
```

\pmbd@U+2564

```
\@namedef{pmbd@U+2564}{%
  \pmbd@beginC
    \dimen@\ht\z@
    \advance\dimen@-\dp\z@
    \dimen\tw@\dimen@
    \advance\dimen@\pmbd@rulewidth
    \advance\dimen\tw@-\pmbd@rulewidth
    \rlap{%
      \advance\dimen@\pmbd@doublesepV
      \advance\dimen\tw@\pmbd@doublesepV
      \vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
    }%
    \advance\dimen@-\pmbd@doublesepV
    \advance\dimen\tw@-\pmbd@doublesepV
    \rlap{%
      \vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
    }%
    \hss
    \vrule\@width\pmbd@rulewidth\@height.5\dimen@
    \hss
  \pmbd@end
}
```

### 2.10.22 U+2565

BOX DRAWINGS DOWN DOUBLE AND HORIZONTAL SINGLE

\textSFxlviii

```
\pmbd@UniDef\textSFxlviii{2565}
```

\pmbd@U+2565

```
\@namedef{pmbd@U+2565}{%
  \pmbd@beginB
    \dimen@\ht\z@
    \advance\dimen@-\dp\z@
    \dimen\tw@\dimen@
    \advance\dimen@\pmbd@rulewidth
    \advance\dimen\tw@-\pmbd@rulewidth
    \rlap{%
      \vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
    }%
    \hss
    \vrule\@width\pmbd@rulewidth\@height.5\dimen@
    \kern\pmbd@doublesepH
    \vrule\@width\pmbd@rulewidth\@height.5\dimen@
    \hss
  \pmbd@end
}
```

### 2.10.23 U+2566

BOX DRAWINGS DOUBLE DOWN AND HORIZONTAL

\textSFxli

```
\pmbd@UniDef\textSFxli{2566}
```

\pmbd@U+2566

```
\@namedef{pmbd@U+2566}{%
  \pmbd@beginC
    \dimen@\ht\z@
    \advance\dimen@-\dp\z@
    \dimen\tw@\dimen@
    \advance\dimen@\pmbd@rulewidth
    \advance\dimen\tw@-\pmbd@rulewidth
    \dimen4 \wd\z@
    \advance\dimen4 -\pmbd@doublesepH
    \rlap{%
      \advance\dimen@\pmbd@doublesepV
      \advance\dimen\tw@\pmbd@doublesepV
      \vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
    }%
    \advance\dimen@-\pmbd@doublesepV
    \advance\dimen\tw@-\pmbd@doublesepV
    \rlap{%
      \hb@xt@\wd\z@{%
        \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
        \hss
        \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
      }%
    }%
    \hss
    \vrule\@width\pmbd@rulewidth\@height.5\dimen@
    \kern\pmbd@doublesepH
    \vrule\@width\pmbd@rulewidth\@height.5\dimen@
    \hss
  \pmbd@end
}
```

### 2.10.24 U+2567

BOX DRAWINGS UP SINGLE AND HORIZONTAL DOUBLE

\textSFxlv

```
\pmbd@UniDef\textSFxlv{2567}
```

\pmbd@U+2567

```
\@namedef{pmbd@U+2567}{%
  \pmbd@beginC
    \dimen@\ht\z@
    \advance\dimen@-\dp\z@
    \dimen\tw@\dimen@
    \advance\dimen@\pmbd@rulewidth
    \advance\dimen\tw@-\pmbd@rulewidth
    \rlap{%
      \advance\dimen@-\pmbd@doublesepV
      \advance\dimen\tw@-\pmbd@doublesepV
      \vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
    }%
    \advance\dimen@\pmbd@doublesepV
    \advance\dimen\tw@\pmbd@doublesepV
    \rlap{%
      \vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
    }%
    \hss
    \vrule\@width\pmbd@rulewidth\@depth-.5\dimen\tw@
    \hss
  \pmbd@end
}
```

### 2.10.25 U+2568

BOX DRAWINGS UP DOUBLE AND HORIZONTAL SINGLE

\textSFxlvi

```
\pmbd@UniDef\textSFxlvi{2568}
```

\pmbd@U+2568

```
\@namedef{pmbd@U+2568}{%
  \pmbd@beginB
    \dimen@\ht\z@
    \advance\dimen@-\dp\z@
    \dimen\tw@\dimen@
    \advance\dimen@\pmbd@rulewidth
    \advance\dimen\tw@-\pmbd@rulewidth
    \rlap{%
      \vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
    }%
    \hss
    \vrule\@width\pmbd@rulewidth\@depth-.5\dimen\tw@
    \kern\pmbd@doublesepH
    \vrule\@width\pmbd@rulewidth\@depth-.5\dimen\tw@
    \hss
  \pmbd@end
}
```

### 2.10.26 U+2569

BOX DRAWINGS DOUBLE UP AND HORIZONTAL

\textSFxl

```
\pmbd@UniDef\textSFxl{2569}
```

\pmbd@U+2569

```
\@namedef{pmbd@U+2569}{%
  \pmbd@beginC
    \dimen@\ht\z@
    \advance\dimen@-\dp\z@
    \dimen\tw@\dimen@
    \advance\dimen@\pmbd@rulewidth
    \advance\dimen\tw@-\pmbd@rulewidth
    \dimen4 \wd\z@
    \advance\dimen4 -\pmbd@doublesepH
    \begingroup
      \advance\dimen@\pmbd@doublesepV
      \advance\dimen\tw@\pmbd@doublesepV
      \rlap{%
        \hb@xt@\wd\z@{%
          \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
          \hss
          \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
        }%
      }%
      \rlap{%
        \hb@xt@\wd\z@{%
          \hss
          \vrule\@width\pmbd@rulewidth\@height\ht\z@\@depth-.5\dimen\tw@
          \kern\pmbd@doublesepH
          \vrule\@width\pmbd@rulewidth\@height\ht\z@\@depth-.5\dimen\tw@
          \hss
        }%
      }%
    \endgroup
```

```
    \advance\dimen@-\pmbd@doublesepV
    \advance\dimen\tw@-\pmbd@doublesepV
    \vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
  \pmbd@end
}
```

### 2.10.27 U+256A

BOX DRAWINGS VERTICAL SINGLE AND HORIZONTAL DOUBLE

\textSFliv

```
\pmbd@UniDef\textSFliv{256A}
```

\pmbd@U+256A

```
\@namedef{pmbd@U+256A}{%
  \pmbd@beginC
    \dimen@\ht\z@
    \advance\dimen@-\dp\z@
    \dimen\tw@\dimen@
    \advance\dimen@\pmbd@rulewidth
    \advance\dimen\tw@-\pmbd@rulewidth
    \rlap{%
      \advance\dimen@\pmbd@doublesepV
      \advance\dimen\tw@\pmbd@doublesepV
      \vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
    }%
    \rlap{%
      \advance\dimen@-\pmbd@doublesepV
      \advance\dimen\tw@-\pmbd@doublesepV
      \vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
    }%
    \hss
    \vrule\@width\pmbd@rulewidth
    \hss
  \pmbd@end
}
```

### 2.10.28 U+256B

BOX DRAWINGS VERTICAL DOUBLE AND HORIZONTAL SINGLE

\textSFliii

```
\pmbd@UniDef\textSFliii{256B}
```

\pmbd@U+256B

```
\@namedef{pmbd@U+256B}{%
  \pmbd@beginB
    \dimen@\ht\z@
    \advance\dimen@-\dp\z@
    \dimen\tw@\dimen@
    \advance\dimen@\pmbd@rulewidth
    \advance\dimen\tw@-\pmbd@rulewidth
    \rlap{%
      \vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
    }%
    \hss
    \vrule\@width\pmbd@rulewidth
    \kern\pmbd@doublesepH
    \vrule\@width\pmbd@rulewidth
    \hss
  \pmbd@end
}
```

### 2.10.29 U+256C

BOX DRAWINGS DOUBLE VERTICAL AND HORIZONTAL

\textSFxliv

```
\pmbd@UniDef\textSFxliv{256C}
```

\pmbd@U+256C

```
\@namedef{pmbd@U+256C}{%
  \pmbd@beginC
    \dimen@\ht\z@
    \advance\dimen@-\dp\z@
    \dimen\tw@\dimen@
    \advance\dimen@\pmbd@rulewidth
    \advance\dimen\tw@-\pmbd@rulewidth
    \dimen4 \wd\z@
    \advance\dimen4 -\pmbd@doublesepH
    \begingroup
      \advance\dimen@\pmbd@doublesepV
      \advance\dimen\tw@\pmbd@doublesepV
      \rlap{%
        \hb@xt@\wd\z@{%
          \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
          \hss
          \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
        }%
      }%
      \rlap{%
        \hb@xt@\wd\z@{%
          \hss
          \vrule\@width\pmbd@rulewidth\@height\ht\z@\@depth-.5\dimen\tw@
          \kern\pmbd@doublesepH
          \vrule\@width\pmbd@rulewidth\@height\ht\z@\@depth-.5\dimen\tw@
          \hss
        }%
      }%
    \endgroup
    \advance\dimen@-\pmbd@doublesepV
    \advance\dimen\tw@-\pmbd@doublesepV
    \rlap{%
      \hb@xt@\wd\z@{%
        \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
        \hss
        \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
      }%
    }%
    \hss
    \vrule\@width\pmbd@rulewidth\@height.5\dimen@
    \kern\pmbd@doublesepH
    \vrule\@width\pmbd@rulewidth\@height.5\dimen@
    \hss
  \pmbd@end
}
```

### 2.10.30 U+2574

BOX DRAWINGS LIGHT LEFT

\pmbd@U+2574

```
\@namedef{pmbd@U+2574}{%
  \pmbd@BeginDraw X-%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
```

```
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@Rule{.5\pmbd@W}\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@Rule{.5\pmbd@W}\pmbd@A
&   {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
  \pmbd@EndBox
}
```

### 2.10.31 U+2575

BOX DRAWINGS LIGHT UP

\pmbd@U+2575

```
\@namedef{pmbd@U+2575}{%
  \pmbd@BeginDraw X-%
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thin
$ \kern.5\pmbd@C
& \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
  \pmbd@Rule\pmbd@Thin\pmbd@H{-.5\pmbd@H}%
  \pmbd@EndBox
}
```

### 2.10.32 U+2576

BOX DRAWINGS LIGHT RIGHT

\pmbd@U+2576

```
\@namedef{pmbd@U+2576}{%
  \pmbd@BeginDraw X-%
  \kern.5\pmbd@W
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@Rule{.5\pmbd@W}\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@Rule{.5\pmbd@W}\pmbd@A
&   {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
  \pmbd@EndBox
}
```

### 2.10.33 U+2577

BOX DRAWINGS LIGHT DOWN

\pmbd@U+2577

```
\@namedef{pmbd@U+2577}{%
  \pmbd@BeginDraw X-%
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thin
$ \kern.5\pmbd@C
& \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
  \pmbd@Rule\pmbd@Thin{.5\pmbd@H}\z@
  \pmbd@EndBox
}
```

### 2.10.34 U+2578

BOX DRAWINGS HEAVY LEFT

\pmbd@U+2578

```
\@namedef{pmbd@U+2578}{%
  \pmbd@BeginDraw -X%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@Rule{.5\pmbd@W}\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@Rule{.5\pmbd@W}\pmbd@A
&   {\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
  \pmbd@EndBox
}
```

### 2.10.35 U+2579

BOX DRAWINGS HEAVY UP

\pmbd@U+2579

```
\@namedef{pmbd@U+2579}{%
  \pmbd@BeginDraw -X%
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thick
$ \kern.5\pmbd@C
& \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
  \pmbd@Rule\pmbd@Thick\pmbd@H{-.5\pmbd@H}%
  \pmbd@EndBox
}
```

### 2.10.36 U+257A

BOX DRAWINGS HEAVY RIGHT

\pmbd@U+257A

```
\@namedef{pmbd@U+257A}{%
  \pmbd@BeginDraw -X%
  \kern.5\pmbd@W
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@Rule{.5\pmbd@W}\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@Rule{.5\pmbd@W}\pmbd@A
&   {\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
  \pmbd@EndBox
}
```

### 2.10.37 U+257B

BOX DRAWINGS HEAVY DOWN

\pmbd@U+257B

```
\@namedef{pmbd@U+257B}{%
  \pmbd@BeginDraw -X%
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thick
```

```
$ \kern.5\pmbd@C
& \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
  \pmbd@Rule\pmbd@Thick{.5\pmbd@H}\z@
  \pmbd@EndBox
}
```

### 2.10.38 U+257C

BOX DRAWINGS LIGHT LEFT AND HEAVY RIGHT

\pmbd@U+257C

```
\@namedef{pmbd@U+257C}{%
  \pmbd@BeginDraw XX%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@Rule{.5\pmbd@W}\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@Rule{.5\pmbd@W}\pmbd@A
&   {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@Rule{.5\pmbd@W}\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@Rule{.5\pmbd@W}\pmbd@A
&   {\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
  \pmbd@EndBox
}
```

### 2.10.39 U+257D

BOX DRAWINGS LIGHT UP AND HEAVY DOWN

\pmbd@U+257D

```
\@namedef{pmbd@U+257D}{%
  \pmbd@BeginDraw XX%
  \rlap{%
$   \pmbd@C=\pmbd@W
$   \advance\pmbd@C-\pmbd@Thin
$   \kern.5\pmbd@C
&   \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
    \pmbd@Rule\pmbd@Thin\pmbd@H{-.5\pmbd@H}%
  }%
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thick
$ \kern.5\pmbd@C
& \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
  \pmbd@Rule\pmbd@Thick{.5\pmbd@H}\z@
  \pmbd@EndBox
}
```

### 2.10.40 U+257E

BOX DRAWINGS HEAVY LEFT AND LIGHT RIGHT

\pmbd@U+257E

```
\@namedef{pmbd@U+257E}{%
  \pmbd@BeginDraw XX%
```

```
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thick
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thick
$ \pmbd@Rule{.5\pmbd@W}\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
& \pmbd@Rule{.5\pmbd@W}\pmbd@A
&   {\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
$ \pmbd@A=\pmbd@H
$ \advance\pmbd@A\pmbd@Thin
$ \pmbd@A=.5\pmbd@A
$ \pmbd@B=-\pmbd@A
$ \advance\pmbd@B\pmbd@Thin
$ \pmbd@Rule{.5\pmbd@W}\pmbd@A\pmbd@B
& \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
& \pmbd@Rule{.5\pmbd@W}\pmbd@A
&   {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
  \pmbd@EndBox
}
```

### 2.10.41 U+257F

BOX DRAWINGS HEAVY UP AND LIGHT DOWN

\pmbd@U+257F

```
\@namedef{pmbd@U+257F}{%
  \pmbd@BeginDraw XX%
  \rlap{%
$   \pmbd@C=\pmbd@W
$   \advance\pmbd@C-\pmbd@Thick
$   \kern.5\pmbd@C
&   \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
    \pmbd@Rule\pmbd@Thick\pmbd@H{-.5\pmbd@H}%
  }%
$ \pmbd@C=\pmbd@W
$ \advance\pmbd@C-\pmbd@Thin
$ \kern.5\pmbd@C
& \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
  \pmbd@Rule\pmbd@Thin{.5\pmbd@H}\z@
  \pmbd@EndBox
}
```

## 2.11 Box drawing, light single lines

\pmbd@beginA

```
\def\pmbd@beginA{%
  \pmbd@begin
  \def\width{\wd\z@}%
  \def\height{\ht\z@}%
  \def\depth{\dp\z@}%
  \setlength{\dimen@}{\pmbd@rulewidth}%
  \edef\pmbd@rulewidth{\number\dimen@ sp}%
}

\pmbd@AtEnd%
⟨/package⟩
```

## 2.12 Unicode support file

```
⟨*utf8⟩
\ProvidesFile{pmboxdrawenc.dfu}%
```

```
[2016/05/16 v1.2 UTF-8 support for box drawing characters]%
\DeclareUnicodeCharacter{2500}{\textSFx}
\DeclareUnicodeCharacter{2501}{\pmboxdrawuni{2501}}
\DeclareUnicodeCharacter{2502}{\textSFxi}
\DeclareUnicodeCharacter{2503}{\pmboxdrawuni{2503}}
\DeclareUnicodeCharacter{250C}{\textSFi}
\DeclareUnicodeCharacter{250D}{\pmboxdrawuni{250D}}
\DeclareUnicodeCharacter{250E}{\pmboxdrawuni{250E}}
\DeclareUnicodeCharacter{250F}{\pmboxdrawuni{250F}}
\DeclareUnicodeCharacter{2510}{\textSFiii}
\DeclareUnicodeCharacter{2511}{\pmboxdrawuni{2511}}
\DeclareUnicodeCharacter{2512}{\pmboxdrawuni{2512}}
\DeclareUnicodeCharacter{2513}{\pmboxdrawuni{2513}}
\DeclareUnicodeCharacter{2514}{\textSFii}
\DeclareUnicodeCharacter{2515}{\pmboxdrawuni{2515}}
\DeclareUnicodeCharacter{2516}{\pmboxdrawuni{2516}}
\DeclareUnicodeCharacter{2517}{\pmboxdrawuni{2517}}
\DeclareUnicodeCharacter{2518}{\textSFiv}
\DeclareUnicodeCharacter{2519}{\pmboxdrawuni{2519}}
\DeclareUnicodeCharacter{251A}{\pmboxdrawuni{251A}}
\DeclareUnicodeCharacter{251B}{\pmboxdrawuni{251B}}
\DeclareUnicodeCharacter{251C}{\textSFviii}
\DeclareUnicodeCharacter{251D}{\pmboxdrawuni{251D}}
\DeclareUnicodeCharacter{251E}{\pmboxdrawuni{251E}}
\DeclareUnicodeCharacter{251F}{\pmboxdrawuni{251F}}
\DeclareUnicodeCharacter{2520}{\pmboxdrawuni{2520}}
\DeclareUnicodeCharacter{2521}{\pmboxdrawuni{2521}}
\DeclareUnicodeCharacter{2522}{\pmboxdrawuni{2522}}
\DeclareUnicodeCharacter{2523}{\pmboxdrawuni{2523}}
\DeclareUnicodeCharacter{2524}{\textSFix}
\DeclareUnicodeCharacter{252C}{\textSFvi}
\DeclareUnicodeCharacter{252D}{\pmboxdrawuni{252D}}
\DeclareUnicodeCharacter{252E}{\pmboxdrawuni{252E}}
\DeclareUnicodeCharacter{252F}{\pmboxdrawuni{252F}}
\DeclareUnicodeCharacter{2530}{\pmboxdrawuni{2530}}
\DeclareUnicodeCharacter{2531}{\pmboxdrawuni{2531}}
\DeclareUnicodeCharacter{2532}{\pmboxdrawuni{2532}}
\DeclareUnicodeCharacter{2533}{\pmboxdrawuni{2533}}
\DeclareUnicodeCharacter{2534}{\textSFvii}
\DeclareUnicodeCharacter{2535}{\pmboxdrawuni{2535}}
\DeclareUnicodeCharacter{2536}{\pmboxdrawuni{2536}}
\DeclareUnicodeCharacter{2537}{\pmboxdrawuni{2537}}
\DeclareUnicodeCharacter{2538}{\pmboxdrawuni{2538}}
\DeclareUnicodeCharacter{2539}{\pmboxdrawuni{2539}}
\DeclareUnicodeCharacter{253A}{\pmboxdrawuni{253A}}
\DeclareUnicodeCharacter{253B}{\pmboxdrawuni{253B}}
\DeclareUnicodeCharacter{253C}{\textSFv}
\DeclareUnicodeCharacter{253D}{\pmboxdrawuni{253D}}
\DeclareUnicodeCharacter{253E}{\pmboxdrawuni{253E}}
\DeclareUnicodeCharacter{253F}{\pmboxdrawuni{253F}}
\DeclareUnicodeCharacter{2540}{\pmboxdrawuni{2540}}
\DeclareUnicodeCharacter{2541}{\pmboxdrawuni{2541}}
\DeclareUnicodeCharacter{2542}{\pmboxdrawuni{2542}}
\DeclareUnicodeCharacter{2543}{\pmboxdrawuni{2543}}
\DeclareUnicodeCharacter{2544}{\pmboxdrawuni{2544}}
\DeclareUnicodeCharacter{2545}{\pmboxdrawuni{2545}}
\DeclareUnicodeCharacter{2546}{\pmboxdrawuni{2546}}
\DeclareUnicodeCharacter{2547}{\pmboxdrawuni{2547}}
\DeclareUnicodeCharacter{2548}{\pmboxdrawuni{2548}}
\DeclareUnicodeCharacter{2549}{\pmboxdrawuni{2549}}
\DeclareUnicodeCharacter{254A}{\pmboxdrawuni{254A}}
\DeclareUnicodeCharacter{254B}{\pmboxdrawuni{254B}}
```

```
\DeclareUnicodeCharacter{2550}{\textSFxliii}
\DeclareUnicodeCharacter{2551}{\textSFxxiv}
\DeclareUnicodeCharacter{2552}{\textSFli}
\DeclareUnicodeCharacter{2553}{\textSFlii}
\DeclareUnicodeCharacter{2554}{\textSFxxxix}
\DeclareUnicodeCharacter{2555}{\textSFxxii}
\DeclareUnicodeCharacter{2556}{\textSFxxi}
\DeclareUnicodeCharacter{2557}{\textSFxxv}
\DeclareUnicodeCharacter{2558}{\textSFl}
\DeclareUnicodeCharacter{2559}{\textSFxlix}
\DeclareUnicodeCharacter{255A}{\textSFxxxviii}
\DeclareUnicodeCharacter{255B}{\textSFxxviii}
\DeclareUnicodeCharacter{255C}{\textSFxxvii}
\DeclareUnicodeCharacter{255D}{\textSFxxvi}
\DeclareUnicodeCharacter{255E}{\textSFxxxvi}
\DeclareUnicodeCharacter{255F}{\textSFxxxvii}
\DeclareUnicodeCharacter{2560}{\textSFxlii}
\DeclareUnicodeCharacter{2561}{\textSFxix}
\DeclareUnicodeCharacter{2562}{\textSFxx}
\DeclareUnicodeCharacter{2563}{\textSFxxiii}
\DeclareUnicodeCharacter{2564}{\textSFxlvii}
\DeclareUnicodeCharacter{2565}{\textSFxlviii}
\DeclareUnicodeCharacter{2566}{\textSFxli}
\DeclareUnicodeCharacter{2567}{\textSFxlv}
\DeclareUnicodeCharacter{2568}{\textSFxlvi}
\DeclareUnicodeCharacter{2569}{\textSFxl}
\DeclareUnicodeCharacter{256A}{\textSFliv}
\DeclareUnicodeCharacter{256B}{\textSFliii}
\DeclareUnicodeCharacter{256C}{\textSFxliv}
\DeclareUnicodeCharacter{2574}{\pmboxdrawuni{2574}}
\DeclareUnicodeCharacter{2575}{\pmboxdrawuni{2575}}
\DeclareUnicodeCharacter{2576}{\pmboxdrawuni{2576}}
\DeclareUnicodeCharacter{2577}{\pmboxdrawuni{2577}}
\DeclareUnicodeCharacter{2578}{\pmboxdrawuni{2578}}
\DeclareUnicodeCharacter{2579}{\pmboxdrawuni{2579}}
\DeclareUnicodeCharacter{257A}{\pmboxdrawuni{257A}}
\DeclareUnicodeCharacter{257B}{\pmboxdrawuni{257B}}
\DeclareUnicodeCharacter{257C}{\pmboxdrawuni{257C}}
\DeclareUnicodeCharacter{257D}{\pmboxdrawuni{257D}}
\DeclareUnicodeCharacter{257E}{\pmboxdrawuni{257E}}
\DeclareUnicodeCharacter{257F}{\pmboxdrawuni{257R}}
\DeclareUnicodeCharacter{2580}{\textupblock}
\DeclareUnicodeCharacter{2581}{\pmboxdrawuni{2581}}
\DeclareUnicodeCharacter{2582}{\pmboxdrawuni{2582}}
\DeclareUnicodeCharacter{2583}{\pmboxdrawuni{2583}}
\DeclareUnicodeCharacter{2584}{\textdnblock}
\DeclareUnicodeCharacter{2585}{\pmboxdrawuni{2585}}
\DeclareUnicodeCharacter{2586}{\pmboxdrawuni{2586}}
\DeclareUnicodeCharacter{2587}{\pmboxdrawuni{2587}}
\DeclareUnicodeCharacter{2588}{\textblock}
\DeclareUnicodeCharacter{2589}{\pmboxdrawuni{2589}}
\DeclareUnicodeCharacter{258A}{\pmboxdrawuni{258A}}
\DeclareUnicodeCharacter{258B}{\pmboxdrawuni{258B}}
\DeclareUnicodeCharacter{258C}{\textlfblock}
\DeclareUnicodeCharacter{258D}{\pmboxdrawuni{258D}}
\DeclareUnicodeCharacter{258E}{\pmboxdrawuni{258E}}
\DeclareUnicodeCharacter{258F}{\pmboxdrawuni{258F}}
\DeclareUnicodeCharacter{2590}{\textrtblock}
\DeclareUnicodeCharacter{2591}{\textltshade}
\DeclareUnicodeCharacter{2592}{\textshade}
\DeclareUnicodeCharacter{2593}{\textdkshade}
\DeclareUnicodeCharacter{2594}{\pmboxdrawuni{2594}}
```

```
\DeclareUnicodeCharacter{2595}{\pmboxdrawuni{2595}}
\DeclareUnicodeCharacter{2596}{\pmboxdrawuni{2596}}
\DeclareUnicodeCharacter{2597}{\pmboxdrawuni{2597}}
\DeclareUnicodeCharacter{2598}{\pmboxdrawuni{2598}}
\DeclareUnicodeCharacter{2599}{\pmboxdrawuni{2599}}
\DeclareUnicodeCharacter{259A}{\pmboxdrawuni{259A}}
\DeclareUnicodeCharacter{259B}{\pmboxdrawuni{259B}}
\DeclareUnicodeCharacter{259C}{\pmboxdrawuni{259C}}
\DeclareUnicodeCharacter{259D}{\pmboxdrawuni{259D}}
\DeclareUnicodeCharacter{259E}{\pmboxdrawuni{259E}}
\DeclareUnicodeCharacter{259F}{\pmboxdrawuni{259F}}
```

⟨/utf8⟩

# 3 Test

⟨*test1⟩

```
\def\LoadCommand{\RequirePackage{pmboxdraw}[2016/05/16]}
```

⟨/test1⟩

## 3.1 Catcode checks for loading

⟨*test1⟩

```
\catcode`\{=1 %
\catcode`\}=2 %
\catcode`\#=6 %
\catcode`\@=11 %
\expandafter\ifx\csname count@\endcsname\relax
  \countdef\count@=255 %
\fi
\expandafter\ifx\csname @gobble\endcsname\relax
  \long\def\@gobble#1{}%
\fi
\expandafter\ifx\csname @firstofone\endcsname\relax
  \long\def\@firstofone#1{#1}%
\fi
\expandafter\ifx\csname loop\endcsname\relax
  \expandafter\@firstofone
\else
  \expandafter\@gobble
\fi
{%
  \def\loop#1\repeat{%
    \def\body{#1}%
    \iterate
  }%
  \def\iterate{%
    \body
      \let\next\iterate
    \else
      \let\next\relax
    \fi
    \next
  }%
  \let\repeat=\fi
}%
\def\RestoreCatcodes{}
\count@=0 %
\loop
  \edef\RestoreCatcodes{%
    \RestoreCatcodes
    \catcode\the\count@=\the\catcode\count@\relax
  }%
\ifnum\count@<255 %
```

```
  \advance\count@ 1 %
\repeat

\def\RangeCatcodeInvalid#1#2{%
  \count@=#1\relax
  \loop
    \catcode\count@=15 %
  \ifnum\count@<#2\relax
    \advance\count@ 1 %
  \repeat
}
\def\RangeCatcodeCheck#1#2#3{%
  \count@=#1\relax
  \loop
    \ifnum#3=\catcode\count@
    \else
      \errmessage{%
        Character \the\count@\space
        with wrong catcode \the\catcode\count@\space
        instead of \number#3%
      }%
    \fi
  \ifnum\count@<#2\relax
    \advance\count@ 1 %
  \repeat
}
\def\space{ }
\expandafter\ifx\csname LoadCommand\endcsname\relax
  \def\LoadCommand{\input pmboxdraw.sty\relax}%
\fi
\def\Test{%
  \RangeCatcodeInvalid{0}{47}%
  \RangeCatcodeInvalid{58}{64}%
  \RangeCatcodeInvalid{91}{96}%
  \RangeCatcodeInvalid{123}{255}%
  \catcode`\@=12 %
  \catcode`\\=0 %
  \catcode`\%=14 %
  \LoadCommand
  \RangeCatcodeCheck{0}{36}{15}%
  \RangeCatcodeCheck{37}{37}{14}%
  \RangeCatcodeCheck{38}{47}{15}%
  \RangeCatcodeCheck{48}{57}{12}%
  \RangeCatcodeCheck{58}{63}{15}%
  \RangeCatcodeCheck{64}{64}{12}%
  \RangeCatcodeCheck{65}{90}{11}%
  \RangeCatcodeCheck{91}{91}{15}%
  \RangeCatcodeCheck{92}{92}{0}%
  \RangeCatcodeCheck{93}{96}{15}%
  \RangeCatcodeCheck{97}{122}{11}%
  \RangeCatcodeCheck{123}{255}{15}%
  \RestoreCatcodes
}
\Test
\csname @@end\endcsname
\end
```

⟨/test1⟩

# 4 Installation

## 4.1 Download

**Package.** This package is available on CTAN[1]:

CTAN:macros/latex/contrib/oberdiek/pmboxdraw.dtx The source file.

CTAN:macros/latex/contrib/oberdiek/pmboxdraw.pdf Documentation.

**Bundle.** All the packages of the bundle 'oberdiek' are also available in a TDS compliant ZIP archive. There the packages are already unpacked and the documentation files are generated. The files and directories obey the TDS standard.

CTAN:install/macros/latex/contrib/oberdiek.tds.zip

*TDS* refers to the standard "A Directory Structure for TEX Files" (CTAN:tds/tds.pdf). Directories with texmf in their name are usually organized this way.

## 4.2 Bundle installation

**Unpacking.** Unpack the oberdiek.tds.zip in the TDS tree (also known as texmf tree) of your choice. Example (linux):

```
unzip oberdiek.tds.zip -d ~/texmf
```

**Script installation.** Check the directory TDS:scripts/oberdiek/ for scripts that need further installation steps. Package attachfile2 comes with the Perl script pdfatfi.pl that should be installed in such a way that it can be called as pdfatfi. Example (linux):

```
chmod +x scripts/oberdiek/pdfatfi.pl
cp scripts/oberdiek/pdfatfi.pl /usr/local/bin/
```

## 4.3 Package installation

**Unpacking.** The .dtx file is a self-extracting docstrip archive. The files are extracted by running the .dtx through plain TEX:

```
tex pmboxdraw.dtx
```

**TDS.** Now the different files must be moved into the different directories in your installation TDS tree (also known as texmf tree):

| | |
|---|---|
| pmboxdraw.sty | → tex/latex/oberdiek/pmboxdraw.sty |
| pmboxdrawenc.dfu | → tex/latex/oberdiek/pmboxdrawenc.dfu |
| pmboxdraw.pdf | → doc/latex/oberdiek/pmboxdraw.pdf |
| test/pmboxdraw-test1.tex | → doc/latex/oberdiek/test/pmboxdraw-test1.tex |
| pmboxdraw.dtx | → source/latex/oberdiek/pmboxdraw.dtx |

If you have a docstrip.cfg that configures and enables docstrip's TDS installing feature, then some files can already be in the right place, see the documentation of docstrip.

## 4.4 Refresh file name databases

If your TEX distribution (teTEX, mikTEX, ...) relies on file name databases, you must refresh these. For example, teTEX users run texhash or mktexlsr.

[1] http://ctan.org/pkg/pmboxdraw

### 4.5 Some details for the interested

**Unpacking with LaTeX.** The .dtx chooses its action depending on the format:

**plain TeX:** Run docstrip and extract the files.

**LaTeX:** Generate the documentation.

If you insist on using LaTeX for docstrip (really, docstrip does not need LaTeX), then inform the autodetect routine about your intention:

```
latex \let\install=y\input{pmboxdraw.dtx}
```

Do not forget to quote the argument according to the demands of your shell.

**Generating the documentation.** You can use both the .dtx or the .drv to generate the documentation. The process can be configured by the configuration file ltxdoc.cfg. For instance, put this line into this file, if you want to have A4 as paper format:

```
\PassOptionsToClass{a4paper}{article}
```

An example follows how to generate the documentation with pdfLaTeX:

```
pdflatex pmboxdraw.dtx
makeindex -s gind.ist pmboxdraw.idx
pdflatex pmboxdraw.dtx
makeindex -s gind.ist pmboxdraw.idx
pdflatex pmboxdraw.dtx
```

## 5 Catalogue

The following XML file can be used as source for the TeX Catalogue. The elements caption and description are imported from the original XML file from the Catalogue. The name of the XML file in the Catalogue is pmboxdraw.xml.

```
⟨*catalogue⟩
<?xml version='1.0' encoding='us-ascii'?>
<!DOCTYPE entry SYSTEM 'catalogue.dtd'>
<entry datestamp='$Date$' modifier='$Author$' id='pmboxdraw'>
  <name>pmboxdraw</name>
  <caption>Poor man's box drawing characters.</caption>
  <authorref id='auth:oberdiek'/>
  <copyright owner='Heiko Oberdiek' year='2006,2011'/>
  <license type='lppl1.3'/>
  <version number='1.2'/>
  <description>
    This package declares box drawing characters of
    old code pages, e.g. cp437. It uses rules instead of using a font.
    <p/>
    The package is part of the <xref refid='oberdiek'>oberdiek</xref> bundle.
  </description>
  <documentation details='Package documentation'
      href='ctan:/macros/latex/contrib/oberdiek/pmboxdraw.pdf'/>
  <ctan file='true' path='/macros/latex/contrib/oberdiek/pmboxdraw.dtx'/>
  <miktex location='oberdiek'/>
  <texlive location='oberdiek'/>
  <install path='/macros/latex/contrib/oberdiek/oberdiek.tds.zip'/>
</entry>
⟨/catalogue⟩
```

# 6 References


[1] Heiko Oberdiek, The inputenx Package (Enhanced input encoding handling), 2006/03/05 v1.0, http://ctan.org/pkg/inputenx.

[2] Adobe Systems Incorporated, Adobe Glyph List for New Fonts (AGLFN), version 1.5, 2005/09/18, http://partners.adobe.com/public/developer/en/opentype/aglfn13.txt.

[3] Unicode Inc., The Unicode Standard, Version 4.1, Box Drawing, Range: 2500–257F, 2005. http://www.unicode.org/charts/PDF/U2500.pdf

[4] Unicode Inc., The Unicode Standard, Version 4.1, Block Elements, Range: 2580–259F, 2005. http://www.unicode.org/charts/PDF/U2580.pdf


# 7 History

## [2006/05/03 v1.0]

- First version.

## [2011/03/24 v1.1]

- Support of more characters.
- Catcode section added.

## [2016/05/16 v1.2]

- Documentation updates.

# 8 Index

Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; plain numbers refer to the code lines where the entry is used.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