

# 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.

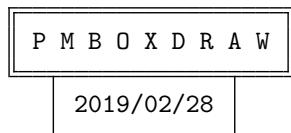
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\*Please report any issues at <https://github.com/ho-tex/oberdiek/issues>

# 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 L<sup>A</sup>T<sub>E</sub>X's package `inputenc` ignore these characters. This package tries to close this gap. Package `inputenc` provides more complete definition files of input encodings ([1]).

The graphical characters are available in some fonts, mostly some derivatives of Courier. However, the symbols are usually used to generate 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.

```
\pmbboxdrawbox {<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.)

```
\pmbboxdrawrulewidth {<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.

```
\pmbboxdrawdoublerulesep {<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 L<sup>A</sup>T<sub>E</sub>X (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 (η) 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	<code>\textSFx</code> box drawings light horizontal
	U+2501	uni2501	<code>\pmbboxdrawuni{2501}</code> box drawings heavy horizontal
	U+2502	SF110000	<code>\textSFxi</code> box drawings light vertical
	U+2503	uni2503	<code>\pmbboxdrawuni{2503}</code> box drawings heavy vertical
	U+250C	SF010000	<code>\textSFi</code> box drawings light down and right
	U+250D	uni250D	<code>\pmbboxdrawuni{250D}</code> box drawings down light and right heavy
	U+250E	uni250E	<code>\pmbboxdrawuni{250E}</code> box drawings down heavy and right light
	U+250F	uni250F	<code>\pmbboxdrawuni{250F}</code> box drawings heavy down and right
	U+2510	SF030000	<code>\textSFiii</code> box drawings light down and left
	U+2511	uni2511	<code>\pmbboxdrawuni{2511}</code> box drawings down light and left heavy
	U+2512	uni2512	<code>\pmbboxdrawuni{2512}</code> box drawings down heavy and left light
	U+2513	uni2513	<code>\pmbboxdrawuni{2513}</code> box drawings heavy down and left
	U+2514	SF020000	<code>\textSFii</code> box drawings light up and right
	U+2515	uni2515	<code>\pmbboxdrawuni{2515}</code> box drawings up light and right heavy
	U+2516	uni2516	<code>\pmbboxdrawuni{2516}</code> box drawings up heavy and right light
	U+2517	uni2517	<code>\pmbboxdrawuni{2517}</code> box drawings heavy up and right
	U+2518	SF040000	<code>\textSFiv</code> box drawings light up and left
	U+2519	uni2519	<code>\pmbboxdrawuni{2519}</code> box drawings up light and left heavy

Symbol	Unicode	Glyph name	LICR
	U+251A	uni251A	<code>\pmbboxdrawuni{251A}</code> box drawings up heavy and left light
	U+251B	uni251B	<code>\pmbboxdrawuni{251B}</code> box drawings heavy up and left
	U+251C	SF080000	<code>\textSFviii</code> box drawings light vertical and right
	U+251D	uni251D	<code>\pmbboxdrawuni{251D}</code> box drawings vertical light and right heavy
	U+251E	uni251E	<code>\pmbboxdrawuni{251E}</code> box drawings up heavy and right down light
	U+251F	uni251F	<code>\pmbboxdrawuni{251F}</code> box drawings down heavy and right up light
	U+2520	uni2520	<code>\pmbboxdrawuni{2520}</code> box drawings vertical heavy and right light
	U+2521	uni2521	<code>\pmbboxdrawuni{2521}</code> box drawings down light and right up heavy
	U+2522	uni2522	<code>\pmbboxdrawuni{2522}</code> box drawings up light and right down heavy
	U+2523	uni2523	<code>\pmbboxdrawuni{2523}</code> box drawings heavy vertical and right
	U+2524	SF090000	<code>\textSFix</code> box drawings light vertical and left
	U+2525	uni2525	<code>\pmbboxdrawuni{2525}</code> box drawings vertical light and left heavy
	U+2526	uni2526	<code>\pmbboxdrawuni{2526}</code> box drawings up heavy and left down light
	U+2527	uni2527	<code>\pmbboxdrawuni{2527}</code> box drawings down heavy and left up light
	U+2528	uni2528	<code>\pmbboxdrawuni{2528}</code> box drawings vertical heavy and left light
	U+2529	uni2529	<code>\pmbboxdrawuni{2529}</code> box drawings down light and left up heavy
	U+252A	uni252A	<code>\pmbboxdrawuni{252A}</code> box drawings up light and left down heavy
	U+252B	uni252B	<code>\pmbboxdrawuni{252B}</code> box drawings heavy vertical and left
	U+252C	SF060000	<code>\textSFvi</code> box drawings light down and horizontal
	U+252D	uni252D	<code>\pmbboxdrawuni{252D}</code> box drawings left heavy and right down light
	U+252E	uni252E	<code>\pmbboxdrawuni{252E}</code> box drawings right heavy and left down light
	U+252F	uni252F	<code>\pmbboxdrawuni{252F}</code> box drawings down light and horizontal heavy
	U+2530	uni2530	<code>\pmbboxdrawuni{2530}</code> box drawings down heavy and horizontal light
	U+2531	uni2531	<code>\pmbboxdrawuni{2531}</code> box drawings right light and left down heavy


Symbol	Unicode	Glyph name	LICR
	U+2532	uni2532	<code>\pmbboxdrawuni{2532}</code> box drawings left light and right down heavy
	U+2533	uni2533	<code>\pmbboxdrawuni{2533}</code> box drawings heavy down and horizontal
	U+2534	SF070000	<code>\textSFvii</code> box drawings light up and horizontal
	U+2535	uni2535	<code>\pmbboxdrawuni{2535}</code> box drawings left heavy and right up light
	U+2536	uni2536	<code>\pmbboxdrawuni{2536}</code> box drawings right heavy and left up light
	U+2537	uni2537	<code>\pmbboxdrawuni{2537}</code> box drawings up light and horizontal heavy
	U+2538	uni2538	<code>\pmbboxdrawuni{2538}</code> box drawings up heavy and horizontal light
	U+2539	uni2539	<code>\pmbboxdrawuni{2539}</code> box drawings right light and left up heavy
	U+253A	uni253A	<code>\pmbboxdrawuni{253A}</code> box drawings left light and right up heavy
	U+253B	uni253B	<code>\pmbboxdrawuni{253B}</code> box drawings heavy up and horizontal
	U+253C	SF050000	<code>\textSFv</code> box drawings light vertical and horizontal
	U+253D	uni253D	<code>\pmbboxdrawuni{253D}</code> box drawings left heavy and right vertical light
	U+253E	uni253E	<code>\pmbboxdrawuni{253E}</code> box drawings right heavy and left vertical light
	U+253F	uni253F	<code>\pmbboxdrawuni{253F}</code> box drawings vertical light and horizontal heavy
	U+2540	uni2540	<code>\pmbboxdrawuni{2540}</code> box drawings up heavy and down horizontal light
	U+2541	uni2541	<code>\pmbboxdrawuni{2541}</code> box drawings down heavy and up horizontal light
	U+2542	uni2542	<code>\pmbboxdrawuni{2542}</code> box drawings vertical heavy and horizontal light
	U+2543	uni2543	<code>\pmbboxdrawuni{2543}</code> box drawings left up heavy and right down light
	U+2544	uni2544	<code>\pmbboxdrawuni{2544}</code> box drawings right up heavy and left down light
	U+2545	uni2545	<code>\pmbboxdrawuni{2545}</code> box drawings left down heavy and right up light
	U+2546	uni2546	<code>\pmbboxdrawuni{2546}</code> box drawings right down heavy and left up light
	U+2547	uni2547	<code>\pmbboxdrawuni{2547}</code> box drawings down light and up horizontal heavy
	U+2548	uni2548	<code>\pmbboxdrawuni{2548}</code> box drawings up light and down horizontal heavy
	U+2549	uni2549	<code>\pmbboxdrawuni{2549}</code> box drawings right light and left vertical heavy

Symbol	Unicode	Glyph name	LICR
	U+254A	uni254A	<code>\pmbboxdrawuni{254A}</code> box drawings left light and right vertical heavy
	U+254B	uni254B	<code>\pmbboxdrawuni{254B}</code> box drawings heavy vertical and horizontal
	U+2550	SF430000	<code>\textSFxlili</code> box drawings double horizontal
	U+2551	SF240000	<code>\textSFxxiv</code> box drawings double vertical
	U+2552	SF510000	<code>\textSFli</code> box drawings down single and right double
	U+2553	SF520000	<code>\textSFlii</code> box drawings down double and right single
	U+2554	SF390000	<code>\textSFxxxix</code> box drawings double down and right
	U+2555	SF220000	<code>\textSFxxii</code> box drawings down single and left double
	U+2556	SF210000	<code>\textSFxxi</code> box drawings down double and left single
	U+2557	SF250000	<code>\textSFxxv</code> box drawings double down and left
	U+2558	SF500000	<code>\textSF1</code> box drawings up single and right double
	U+2559	SF490000	<code>\textSFxliz</code> box drawings up double and right single
	U+255A	SF380000	<code>\textSFxxxviii</code> box drawings double up and right
	U+255B	SF280000	<code>\textSFxxxviii</code> box drawings up single and left double
	U+255C	SF270000	<code>\textSFxxxvii</code> box drawings up double and left single
	U+255D	SF260000	<code>\textSFxxxvi</code> box drawings double up and left
	U+255E	SF360000	<code>\textSFxxxvi</code> box drawings vertical single and right double
	U+255F	SF370000	<code>\textSFxxxvii</code> box drawings vertical double and right single
	U+2560	SF420000	<code>\textSFxlii</code> box drawings double vertical and right
	U+2561	SF190000	<code>\textSFxix</code> box drawings vertical single and left double
	U+2562	SF200000	<code>\textSFxx</code> box drawings vertical double and left single
	U+2563	SF230000	<code>\textSFxxiii</code> box drawings double vertical and left
	U+2564	SF470000	<code>\textSFxlvi</code> box drawings down single and horizontal double
	U+2565	SF480000	<code>\textSFxlviii</code> box drawings down double and horizontal single

Symbol	Unicode	Glyph name	LICR
	U+2566	SF410000	<code>\textSFxli</code> box drawings double down and horizontal
	U+2567	SF450000	<code>\textSFxlv</code> box drawings up single and horizontal double
	U+2568	SF460000	<code>\textSFxivi</code> box drawings up double and horizontal single
	U+2569	SF400000	<code>\textSFxl</code> box drawings double up and horizontal
	U+256A	SF540000	<code>\textSFliv</code> box drawings vertical single and horizontal double
	U+256B	SF530000	<code>\textSFliii</code> box drawings vertical double and horizontal single
	U+256C	SF440000	<code>\textSFxliv</code> box drawings double vertical and horizontal
	U+2574	uni2574	<code>\pmbboxdrawuni{2574}</code> box drawings light left
	U+2575	uni2575	<code>\pmbboxdrawuni{2575}</code> box drawings light up
	U+2576	uni2576	<code>\pmbboxdrawuni{2576}</code> box drawings light right
	U+2577	uni2577	<code>\pmbboxdrawuni{2577}</code> box drawings light down
	U+2578	uni2578	<code>\pmbboxdrawuni{2578}</code> box drawings heavy left
	U+2579	uni2579	<code>\pmbboxdrawuni{2579}</code> box drawings heavy up
	U+257A	uni257A	<code>\pmbboxdrawuni{257A}</code> box drawings heavy right
	U+257B	uni257B	<code>\pmbboxdrawuni{257B}</code> box drawings heavy down
	U+257C	uni257C	<code>\pmbboxdrawuni{257C}</code> box drawings light left and heavy right
	U+257D	uni257D	<code>\pmbboxdrawuni{257D}</code> box drawings light up and heavy down
	U+257E	uni257E	<code>\pmbboxdrawuni{257E}</code> box drawings heavy left and light right
	U+257F	uni257F	<code>\pmbboxdrawuni{257F}</code> box drawings heavy up and light down
	U+2580	upblock	<code>\textupblock</code> upper half block
	U+2581	uni2581	<code>\pmbboxdrawuni{2581}</code> lower one eighth block
	U+2582	uni2582	<code>\pmbboxdrawuni{2582}</code> lower one quarter block
	U+2583	uni2583	<code>\pmbboxdrawuni{2583}</code> lower three eighths block
	U+2584	dnblock	<code>\textdnblock</code> lower half block

Symbol	Unicode	Glyph name	LICR
	U+2585	uni2585 lower five eighths block	<code>\pmbboxdrawuni{2585}</code>
	U+2586	uni2586 lower three quarters block	<code>\pmbboxdrawuni{2586}</code>
	U+2587	uni2587 lower seven eighths block	<code>\pmbboxdrawuni{2587}</code>
	U+2588	block full block	<code>\textblock</code>
	U+2589	uni2589 left seven eighths block	<code>\pmbboxdrawuni{2589}</code>
	U+258A	uni258A left three quarters block	<code>\pmbboxdrawuni{258A}</code>
	U+258B	uni258B left five eighths block	<code>\pmbboxdrawuni{258B}</code>
	U+258C	lfblock left half block	<code>\textlfblock</code>
	U+258D	uni258D left three eighths block	<code>\pmbboxdrawuni{258D}</code>
	U+258E	uni258E left one quarter block	<code>\pmbboxdrawuni{258E}</code>
	U+258F	uni258F left one eighth block	<code>\pmbboxdrawuni{258F}</code>
	U+2590	rtblock right half block	<code>\textrtblock</code>
	U+2591	ltshade light shade	<code>\textltshade</code>
	U+2592	shade medium shade	<code>\textshade</code>
	U+2593	dkshade dark shade	<code>\textdkshade</code>
	U+2594	uni2594 upper one eighth block	<code>\pmbboxdrawuni{2594}</code>
	U+2595	uni2595 right one eighth block	<code>\pmbboxdrawuni{2595}</code>
	U+2596	uni2596 quadrant lower left	<code>\pmbboxdrawuni{2596}</code>
	U+2597	uni2597 quadrant lower right	<code>\pmbboxdrawuni{2597}</code>
	U+2598	uni2598 quadrant upper left	<code>\pmbboxdrawuni{2598}</code>
	U+2599	uni2599 quadrant upper left and lower left and lower right	<code>\pmbboxdrawuni{2599}</code>
	U+259A	uni259A quadrant upper left and lower right	<code>\pmbboxdrawuni{259A}</code>
	U+259B	uni259B quadrant upper left and upper right and lower left	<code>\pmbboxdrawuni{259B}</code>
	U+259C	uni259C quadrant upper left and upper right and lower right	<code>\pmbboxdrawuni{259C}</code>
	U+259D	uni259D quadrant upper right	<code>\pmbboxdrawuni{259D}</code>
	U+259E	uni259E quadrant upper right and lower left	<code>\pmbboxdrawuni{259E}</code>



Symbol	Unicode	Glyph name	LICR
	U+259F	uni259F	<code>\pmbboxdrawuni{259F}</code>

## 2 Implementation

### 2.1 Initial stuff

```
1 <*package>
```

Reload check, especially if the package is not used with L<sup>A</sup>T<sub>E</sub>X.

```
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@pmbboxdraw.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{pmbboxdraw}{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 % :
45 \catcode64=11 % @
46 \catcode91=12 % [
47 \catcode93=12 % ]
48 \catcode123=1 % {
49 \catcode125=2 % }
50 \expandafter\ifx\csname ProvidesPackage\endcsname\relax
51 \def\x#1#2#3[#4]{\endgroup
```

```

52 \immediate\write-1{Package: #3 #4}%
53 \xdef#1{#4}%
54 }%
55 \else
56 \def\x#1#2[#3]{\endgroup
57 #2[#3]}%
58 \ifx#1\@undefined
59 \xdef#1{#3}%
60 \fi
61 \ifx#1\relax
62 \xdef#1{#3}%
63 \fi
64 }%
65 \fi
66 \expandafter\x\csname ver@pmbboxdraw.sty\endcsname
67 \ProvidesPackage{pmbboxdraw}%
68 [2019/02/28 v1.3 Poor man's box drawing characters (HO)]%
69 \begingroup\catcode61\catcode48\catcode32=10\relax%
70 \catcode13=5 % ^^M
71 \endlinechar=13 %
72 \catcode123=1 % {
73 \catcode125=2 % }
74 \catcode64=11 % @
75 \def\x{\endgroup
76 \expandafter\edef\csname pmbd@AtEnd\endcsname{%
77 \endlinechar=\the\endlinechar\relax
78 \catcode13=\the\catcode13\relax
79 \catcode32=\the\catcode32\relax
80 \catcode35=\the\catcode35\relax
81 \catcode61=\the\catcode61\relax
82 \catcode64=\the\catcode64\relax
83 \catcode123=\the\catcode123\relax
84 \catcode125=\the\catcode125\relax
85 }%
86 }%
87 \x\catcode61\catcode48\catcode32=10\relax%
88 \catcode13=5 % ^^M
89 \endlinechar=13 %
90 \catcode35=6 % #
91 \catcode64=11 % @
92 \catcode123=1 % {
93 \catcode125=2 % }
94 \def\TMP@EnsureCode#1#2{%
95 \edef\pmbd@AtEnd{%
96 \pmbd@AtEnd
97 \catcode#1=\the\catcode#1\relax
98 }%
99 \catcode#1=#2\relax
100 }
101 \TMP@EnsureCode{34}{12}% "
102 \TMP@EnsureCode{36}{3}% $
103 \TMP@EnsureCode{38}{4}% &
104 \TMP@EnsureCode{39}{12}% '
105 \TMP@EnsureCode{42}{12}% *
106 \TMP@EnsureCode{43}{12}% +
107 \TMP@EnsureCode{44}{12}% ,
108 \TMP@EnsureCode{45}{12}% -
109 \TMP@EnsureCode{46}{12}% .
110 \TMP@EnsureCode{47}{12}% /
111 \TMP@EnsureCode{60}{12}% <
112 \TMP@EnsureCode{62}{12}% >
113 \TMP@EnsureCode{91}{12}% [

```

```

114 \TMP@EnsureCode{93}{12}% ]
115 \TMP@EnsureCode{96}{12}% `
116 \edef\pmbd@AtEnd{\pmbd@AtEnd\noexpand\endinput}

```

## 2.2 Resources

```

117 \begingroup\expandafter\expandafter\expandafter\endgroup
118 \expandafter\ifx\csname RequirePackage\endcsname\relax
119 \def\TMP@RequirePackage#1[#2]{%
120 \begingroup\expandafter\expandafter\expandafter\endgroup
121 \expandafter\ifx\csname ver@#1.sty\endcsname\relax
122 \input #1.sty\relax
123 \fi
124 }%
125 \else
126 \let\TMP@RequirePackage\RequirePackage
127 \fi
128 \TMP@RequirePackage{ltxcmds}[2010/12/12]%
129 \TMP@RequirePackage{kvsetkeys}[2011/01/30]%
130 \TMP@RequirePackage{kvdefinekeys}[2011/01/30]%
131 \TMP@RequirePackage{infwarerr}[2010/04/08]%

```

\ifpmbd@latex

```

132 \ltx@newif\ifpmbd@latex
133 \ltx@ifundefined{fmtname}{-}{-}%
134 \def\pmbd@tmp{LaTeX2e}%
135 \ifx\pmbd@tmp\fmtname
136 \pmbd@latextrue
137 \fi
138 }

```

## 2.3 Dummy font encoding

Using a dummy font encoding because of

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

```

139 \ifpmbd@latex
140 \DeclareFontEncoding{pmbboxdraw}{-}{-}%
141 \DeclareFontFamily{pmbboxdraw}{pmbboxdraw}{-}%
142 \DeclareFontShape{pmbboxdraw}{pmbboxdraw}{m}{n}{<-> cmr10 }{-}%
143 \DeclareFontSubstitution{pmbboxdraw}{pmbboxdraw}{m}{n}%

```

## 2.4 Setup

### 2.4.1 Options

```

144 \RequirePackage{kvoptions}[2010/02/22]%
145 \SetupKeyvalOptions{%
146 family=PMBD,%
147 prefix=pmbd@%
148 }%
149 \fi
150 \ltx@ifundefined{dimexpr}{-}%
151 \catcode36=9 %
152 \catcode38=14 %
153 }{-}%
154 \catcode36=14 %
155 \catcode38=9 %
156 }

```

\pmbd@ProtectedDef

```

157 \ltx@ifundefined{protected}{-}%
158 \def\pmbd@ProtectedDef#1{%

```

```

159 \let\pmbd@temp\ltx@gobble
160 \@ifdefinable#1{%
161   \def\pmbd@temp{\DeclareRobustCommand*#1}%
162 }%
163 \pmbd@temp
164 }%
165 \def\pmbd@ProtectedDefOne#1{%
166   \let\pmbd@temp\ltx@gobble
167   \@ifdefinable#1{%
168     \def\pmbd@temp{\DeclareRobustCommand*#1[1]}%
169   }%
170   \pmbd@temp
171 }%
172 }{%
173 \def\pmbd@ProtectedDef#1{%
174   \let\pmbd@temp\ltx@gobble
175   \@ifdefinable#1{%
176     \def\pmbd@temp{\protected\def#1}%
177   }%
178   \pmbd@temp
179 }%
180 \def\pmbd@ProtectedDefOne#1{%
181   \let\pmbd@temp\ltx@gobblethree
182   \@ifdefinable#1{%
183     \def\pmbd@temp{\protected\def#1}%
184   }%
185   \pmbd@temp##1%
186 }%
187 }

```

\pmbboxdrawsetup

```

188 \pmbd@ProtectedDef\pmbboxdrawsetup{%
189   \kvsetkeys{PMBD}%
190 }

191 \catcode47=11 %
192 \def\pmbd@temp#1#2{%
193   \DeclareStringOption[\width]{#1/width}%
194   \DeclareStringOption[\height]{#1/height}%
195   \DeclareStringOption[\depth]{#1/depth}%
196   \DeclareStringOption[#{2}]{#1/box/default}%
197   \expandafter\DeclareStringOption\expandafter[%
198     \csname pmbd@#1/box/default\endcsname
199   ]{#1/box}%
200 }
201 \pmbd@temp{BoxDrawing}{\strut0}%
202 \pmbd@temp{Block}{%
203   \begingroup
204     \sbox\z@{\strut}%
205     \dimen@=\ht\z@
206     \advance\dimen@\dp\z@
207     \wd\z@=\dimen@
208     \box\z@
209   \endgroup
210 }%
211 \pmbd@temp{Shade}{%
212   \begingroup
213     \sbox\z@{\strut}%
214     \dimen@=\ht\z@
215     \advance\dimen@\dp\z@
216     \wd\z@=\dimen@
217     \box\z@
218   \endgroup

```

```

219 }%
220 \pmbd@temp{TerminalGraphic}{%
221   \begingroup
222   \sbox\z@{"A}%
223   \wd\z@=\ht\z@
224   \dp\z@=\z@
225   \box\z@
226 \endgroup
227 }%
228 \DeclareStringOption[.1\width]{BoxDrawing/thinlinewidth}
229 \DeclareStringOption[.25\width]{BoxDrawing/thicklinewidth}
230 \DeclareStringOption[.25\width]{BoxDrawing/doublelinesep}
231 %
232 \DeclareStringOption[\strut0]{box} %%
233 \DeclareStringOption[.1\width]{rulewidth}
234 \DeclareStringOption[.25\width]{doublerulesep}

```

`\pmboxdrawUniRobust`

```

235 \pmbd@ProtectedDefOne\pmboxdrawUniRobust{%
236   \comma@parse{#1}{%
237     \ltx@ifundefined{pmbd@U+}\comma@entry}{%
238       \begingroup\expandafter\endgroup
239       \expandafter
240       \TextSymbolUnavailable\csname U+\comma@entry\endcsname
241     }{%
242       \csname pmbd@U+\comma@entry\endcsname
243     }%
244     \@gobble
245   }%
246 }

```

`\pmboxdrawuni`

```

247 \newcommand*{\pmboxdrawuni}[1]{%
248   \ifx\texorpdfstring\ltx@undefined
249     \expandafter\ltx@firstoftwo
250   \else
251     \ifx\texorpdfstring\relax
252       \expandafter\expandafter\expandafter\ltx@firstoftwo
253     \else
254       \expandafter\expandafter\expandafter\texorpdfstring
255     \fi
256   \fi
257   {%
258     \pmboxdrawUniRobust{#1}%
259   }{%
260     \expandafter\ifx\csname ifHy@unicode\expandafter\endcsname
261       \csname iftrue\endcsname
262     \expandafter\unichar\expandafter{\number"#1}%
263   \fi
264   }%
265 }

```

#### 2.4.2 Setup commands of version 1.0

`\pmboxdrawbox`

```

266 \pmbd@ProtectedDefOne\pmboxdrawbox{%
267   \def\pmbd@box{#1}%
268 }

```

`\pmboxdrawrulewidth`

```

269 \pmbd@ProtectedDefOne\pmboxdrawrulewidth{%
270   \def\pmbd@rulewidth{#1}%
271 }

```

`\pmbboxdrawdoublerulesep`

```
272 \pmbd@ProtectedDefOne\pmbboxdrawdoublerulesep{%  
273 \def\pmbd@doublerulesep{#1}%  
274 }
```

## 2.5 Utils

`\pmbd@UniDef`

```
275 \def\pmbd@UniDef#1#2{%  
276 \expandafter\pmbd@ProtectedDef\expandafter#1\expandafter{%  
277 \csname pmbd@U+#2\endcsname  
278 }%  
279 }
```

`\pmbd@SetLength`

```
280 \ltx@ifpackageloaded{calc}{%  
281 \def\pmbd@SetLength{%  
282 \setlength  
283 }%  
284 }{%  
285 \ltx@ifUndefined{dimexpr}{%  
286 \def\pmbd@SetDim#1#2{%  
287 #1=#2\relax  
288 }%  
289 }{%  
290 \def\pmbd@SetDim#1#2{%  
291 #1=\dimexpr#2\relax  
292 }%  
293 }%  
294 \def\pmbd@SetLength{%  
295 \ltx@ifpackageloaded{calc}{%  
296 \setlength  
297 }{%  
298 \pmbd@SetDim  
299 }%  
300 }%  
301 \AtBeginDocument{%  
302 \ltx@ifpackageloaded{calc}{%  
303 \def\pmbd@SetLength{\setlength}%  
304 }{%  
305 \let\pmbd@SetLength\pmbd@SetDim  
306 }%  
307 }%  
308 }
```

`\pmbd@W`

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

`\pmbd@H`

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

`\pmbd@L`

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

`\pmbd@Thin`

```
312 \newdimen\pmbd@Thin
```

`\pmbd@Thick`

```
313 \newdimen\pmbd@Thick
```

`\pmbd@Sep`

```
314 \newdimen\pmbd@Sep
```

```

\pmbd@A
315 \dimendef\pmbd@A=2 %

\pmbd@B
316 \dimendef\pmbd@B=4 %

\pmbd@C
317 \dimendef\pmbd@C=6 %

\pmbd@D
318 \dimendef\pmbd@D=8 %

\pmbd@BeginBox
319 \def\pmbd@BeginBox#1{%
320 \ltx@leavevmode
321 \@begin@tempboxa\hbox{%
322 \csname pmbd@#1/box\endcsname
323 }%
324 \pmbd@SetLength\pmbd@W{%
325 \csname pmbd@#1/width\endcsname
326 }%
327 \pmbd@SetLength\pmbd@H{%
328 \csname pmbd@#1/height\endcsname
329 }%
330 \pmbd@SetLength\pmbd@L{%
331 \csname pmbd@#1/depth\endcsname
332 }%
333 \advance\pmbd@H\pmbd@L
334 \setbox\ltx@zero\hbox to \pmbd@W\bgroup
335 }

\pmbd@EndBox
336 \def\pmbd@EndBox{%
337 \hss
338 \egroup
339 \ht\ltx@zero=\pmbd@H
340 \dp\ltx@zero=\z@
341 \ifdim\pmbd@L=\z@
342 \else
343 \lower\pmbd@L
344 \fi
345 \box\ltx@zero
346 \@end@tempboxa
347 }

\pmbd@Rule
348 \def\pmbd@Rule#1#2#3{%
349 \vrule\@width#1\@height#2\@depth#3\relax
350 }

```

## 2.6 Block elements

```

351 \def\pmbd@begin{%
352 \begingroup
353 \sbox\z@\{\pmbd@box}%
354 \ltx@leavevmode
355 \setbox\tw@\hb@xt@\wd\z@\bgroup
356 }
357 \def\pmbd@end{%
358 \egroup
359 \ht\tw@\ht\z@

```

```

360 \dp\tw@\dp\z@
361 \box\tw@
362 \endgroup
363 }

```

\pmbd@LowerBlock

```

364 \def\pmbd@LowerBlock#1{%
365 \pmbd@BeginBox{Block}%
366 \pmbd@Rule\pmbd@W{#1\pmbd@H}\z@
367 \pmbd@EndBox
368 }

```

\pmbd@LeftBlock

```

369 \def\pmbd@LeftBlock#1{%
370 \pmbd@BeginBox{Block}%
371 \pmbd@Rule{#1\pmbd@W}\pmbd@H\z@
372 \pmbd@EndBox
373 }

```

### 2.6.1 U+2580

UPPER HALF BLOCK

\textupblock

```

374 \pmbd@UniDef\textupblock{2580}

```

\pmbd@U+2580

```

375 \@namedef{pmbd@U+2580}{%
376 \pmbd@BeginBox{Block}%
377 \pmbd@Rule\pmbd@W\pmbd@H{-.5\pmbd@H}%
378 \pmbd@EndBox
379 }

```

### 2.6.2 U+2581

LOWER ONE EIGHTH BLOCK

\pmbd@U+2581

```

380 \@namedef{pmbd@U+2581}{%
381 \pmbd@LowerBlock{.125}%
382 }

```

### 2.6.3 U+2582

LOWER ONE QUARTER BLOCK

\pmbd@U+2582

```

383 \@namedef{pmbd@U+2582}{%
384 \pmbd@LowerBlock{.25}%
385 }

```

### 2.6.4 U+2583

LOWER THREE EIGHTHS BLOCK

pmbd@U+2583

```

386 \@namedef{pmbd@U+2583}{%
387 \pmbd@LowerBlock{.375}%
388 }

```



### 2.6.5 U+2584

#### LOWER HALF BLOCK

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

\pmbd@U+2584
390 \@namedef{pmbd@U+2584}{%
391 \pmbd@LowerBlock{.5}%
392 }
```

### 2.6.6 U+2585

#### LOWER FIVE EIGHTHS BLOCK

```
pmbd@U+2585
393 \@namedef{pmbd@U+2585}{%
394 \pmbd@LowerBlock{.625}%
395 }
```

### 2.6.7 U+2586

#### LOWER THREE QUARTERS BLOCK

```
pmbd@U+2586
396 \@namedef{pmbd@U+2586}{%
397 \pmbd@LowerBlock{.75}%
398 }
```

### 2.6.8 U+2587

#### LOWER SEVEN EIGHTHS BLOCK

```
pmbd@U+2587
399 \@namedef{pmbd@U+2587}{%
400 \pmbd@LowerBlock{.875}%
401 }
```

### 2.6.9 U+2588

#### FULL BLOCK

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

pmbd@U+2588
403 \@namedef{pmbd@U+2588}{%
404 \pmbd@LowerBlock{}%
405 }
```

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

```
\pmbd@U+2590
429 \@namedef{pmbd@U+2590}{%
430 \pmbd@BeginBox{Block}%
431 \kern.5\pmbd@W
432 \pmbd@Rule{.5\pmbd@W}\pmbd@H\z@
433 \pmbd@EndBox
434 }
```

### 2.6.18 U+2594

#### UPPER ONE EIGHTH BLOCK

```
\pmbd@U+2594
435 \@namedef{pmbd@U+2594}{%
436 \pmbd@BeginBox{Block}%
437 \pmbd@Rule\pmbd@W\pmbd@H{-.875\pmbd@H}%
438 \pmbd@EndBox
439 }
```

### 2.6.19 U+2595

#### RIGHT ONE EIGHTH BLOCK

```
\pmbd@U+2595
440 \@namedef{pmbd@U+2595}{%
441 \pmbd@BeginBox{Block}%
442 \kern.875\pmbd@W
443 \pmbd@Rule{.125\pmbd@W}\pmbd@H\z@
444 \pmbd@EndBox
445 }
```

## 2.7 Shade characters

```
\pmbd@BeginShade
446 \def\pmbd@Shade#1#2{%
447 \pmbd@BeginBox{Shade}%
448 \ltx@ifundefined{textcolor}{%
449 \pmbd@colorwarning{#1}%
450 }{%
451 \textcolor[gray]{\csname pmbd@Shade/#2\endcsname}%
452 }{%
453 \pmbd@Rule\pmbd@W\pmbd@H\z@
454 }%
455 \pmbd@EndBox
456 }
```

### 2.7.1 U+2591

#### LIGHT SHADE

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

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

`\pmbd@U+2591`

```
459 \@namedef{pmbd@U+2591}{%  
460 \pmbd@Shade{2591}{light}%  
461 }
```

### 2.7.2 U+2592

MEDIUM SHADE

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

`\textshade`

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

`\pmbd@U+2592`

```
464 \@namedef{pmbd@U+2592}{%  
465 \pmbd@Shade{2592}{medium}%  
466 }
```

### 2.7.3 U+2593

DARK SHADE

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

`\textdkshade`

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

`\pmbd@U+2593`

```
469 \@namedef{pmbd@U+2593}{%  
470 \pmbd@Shade{2593}{dark}%  
471 }
```

### 2.7.4 Color warning

`\pmbd@colorwarning`

```
472 \def\pmbd@colorwarning#1{%  
473 \PackageWarning{pmboxdraw}{%  
474 U+#1 requires package \string`color\string'\MessageBreak  
475 }%  
476 % \PackageWarningNoLine{pmboxdraw}{%  
477 % Package \string`color\string' is required for\MessageBreak  
478 % \string\textltshade, \string\textshade, and \string\textdkshade  
479 % }%  
480 % \global\let\pmbd@colorwarning\@secondoftwo  
481 \@firstofone  
482 }
```

## 2.8 Terminal graphics characters

`\pmbd@BeginTerminal`

```
483 \def\pmbd@BeginTerminal{%  
484 \pmbd@BeginBox{TerminalGraphic}%  
485 }
```

### 2.8.1 U+2596

QUADRANT LOWER LEFT

`\pmbd@U+2596`

```
486 \@namedef{pmbd@U+2596}{%  
487 \pmbd@BeginTerminal  
488 \pmbd@Rule{.5\pmbd@W}{.5\pmbd@H}\z@  
489 \pmbd@EndBox  
490 }
```

### 2.8.2 U+2597

#### QUADRANT LOWER RIGHT

`\pmbd@U+2597`

```
491 \@namedef{pmbd@U+2597}{%
492 \pmbd@BeginTerminal
493 \kern.5\pmbd@W
494 \pmbd@Rule{.5\pmbd@W}{.5\pmbd@H}\z@
495 \pmbd@EndBox
496 }
```

### 2.8.3 U+2598

#### QUADRANT UPPER LEFT

`\pmbd@U+2598`

```
497 \@namedef{pmbd@U+2598}{%
498 \pmbd@BeginTerminal
499 \pmbd@Rule{.5\pmbd@W}{\pmbd@H}{-.5\pmbd@H}%
500 \pmbd@EndBox
501 }
```

### 2.8.4 U+2599

#### QUADRANT UPPER LEFT AND LOWER LEFT AND LOWER RIGHT

`\pmbd@U+2599`

```
502 \@namedef{pmbd@U+2599}{%
503 \pmbd@BeginTerminal
504 \pmbd@Rule{.5\pmbd@W}{\pmbd@H}\z@
505 \pmbd@Rule{.5\pmbd@W}{.5\pmbd@H}\z@
506 \pmbd@EndBox
507 }
```

### 2.8.5 U+259A

#### QUADRANT UPPER LEFT AND LOWER RIGHT

`\pmbd@U+259A`

```
508 \@namedef{pmbd@U+259A}{%
509 \pmbd@BeginTerminal
510 \pmbd@Rule{.5\pmbd@W}{\pmbd@H}{-.5\pmbd@H}%
511 \pmbd@Rule{.5\pmbd@W}{.5\pmbd@H}\z@
512 \pmbd@EndBox
513 }
```

### 2.8.6 U+259B

#### QUADRANT UPPER LEFT AND UPPER RIGHT AND LOWER LEFT

`\pmbd@U+259B`

```
514 \@namedef{pmbd@U+259B}{%
515 \pmbd@BeginTerminal
516 \pmbd@Rule{.5\pmbd@W}{\pmbd@H}\z@
517 \pmbd@Rule{.5\pmbd@W}{\pmbd@H}{-.5\pmbd@H}%
518 \pmbd@EndBox
519 }
```

### 2.8.7 U+259C

QUADRANT UPPER LEFT AND UPPER RIGHT AND LOWER RIGHT

`\pmbd@U+259C`

```
520 \@namedef{pmbd@U+259C}{%
521 \pmbd@BeginTerminal
522 \pmbd@Rule{.5\pmbd@W}{\pmbd@H}{-.5\pmbd@H}%
523 \pmbd@Rule{.5\pmbd@W}{\pmbd@H}\z@
524 \pmbd@EndBox
525 }
```

### 2.8.8 U+259D

QUADRANT UPPER RIGHT

`\pmbd@U+259D`

```
526 \@namedef{pmbd@U+259D}{%
527 \pmbd@BeginTerminal
528 \kern.5\pmbd@W
529 \pmbd@Rule{.5\pmbd@W}{\pmbd@H}{-.5\pmbd@H}%
530 \pmbd@EndBox
531 }
```

### 2.8.9 U+259E

QUADRANT UPPER RIGHT AND LOWER LEFT

`\pmbd@U+259E`

```
532 \@namedef{pmbd@U+259E}{%
533 \pmbd@BeginTerminal
534 \pmbd@Rule{.5\pmbd@W}{.5\pmbd@H}\z@
535 \pmbd@Rule{.5\pmbd@W}{\pmbd@H}{-.5\pmbd@H}%
536 \pmbd@EndBox
537 }
```

### 2.8.10 U+259F

QUADRANT UPPER RIGHT AND LOWER LEFT AND LOWER RIGHT

`\pmbd@U+259F`

```
538 \@namedef{pmbd@U+259F}{%
539 \pmbd@BeginTerminal
540 \pmbd@Rule{.5\pmbd@W}{.5\pmbd@H}\z@
541 \pmbd@Rule{.5\pmbd@W}{\pmbd@H}\z@
542 \pmbd@EndBox
543 }
```

## 2.9 Box drawing

`\pmbd@BeginDraw`

```
544 \def\pmbd@BeginDraw#1#2{%
545 \pmbd@BeginBox{BoxDrawing}%
546 \ifx#1X%
547 \pmbd@SetLength\pmbd@Thin\pmbd@BoxDrawing/thinlinewidth%
548 \fi
549 \ifx#2X%
550 \pmbd@SetLength\pmbd@Thick\pmbd@BoxDrawing/thicklinewidth%
551 \fi
552 }
```

### 2.9.1 U+2500

#### BOX DRAWINGS LIGHT HORIZONTAL

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

\pmbd@U+2500
554 \@namedef{pmbd@U+2500}{%
555 \pmbd@BeginDraw X-%
556 $ \pmbd@A=\pmbd@H
557 $ \advance\pmbd@A\pmbd@Thin
558 $ \pmbd@A=.5\pmbd@A
559 $ \pmbd@B=-\pmbd@A
560 $ \advance\pmbd@B\pmbd@Thin
561 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
562 & \dimen@=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
563 & \pmbd@Rule\pmbd@W\dimen@{-\dimexpr\dimen@-\pmbd@Thin\relax}
564 \pmbd@EndBox
565 }
```

### 2.9.2 U+2501

#### BOX DRAWINGS HEAVY HORIZONTAL

```
\pmbd@U+2501
566 \@namedef{pmbd@U+2501}{%
567 \pmbd@BeginDraw -X%
568 $ \pmbd@A=\pmbd@H
569 $ \advance\pmbd@A\pmbd@Thick
570 $ \pmbd@A=.5\pmbd@A
571 $ \pmbd@B=-\pmbd@A
572 $ \advance\pmbd@B\pmbd@Thick
573 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
574 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
575 & \pmbd@Rule\pmbd@W\pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
576 \pmbd@EndBox
577 }
```

### 2.9.3 U+2502

#### BOX DRAWINGS LIGHT VERTICAL

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

\pmbd@U+2502
579 \@namedef{pmbd@U+2502}{%
580 \pmbd@BeginDraw X-%
581 $ \pmbd@A=\pmbd@W
582 $ \advance\pmbd@A-\pmbd@Thin
583 $ \pmbd@A=.5\pmbd@A
584 $ \kern\pmbd@A
585 & \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
586 \pmbd@Rule\pmbd@Thin\pmbd@H\z@
587 \pmbd@EndBox
588 }
```

## 2.9.4 U+2503

### BOX DRAWINGS HEAVY VERTICAL

```
\pmbd@U+2503
589 \@namedef{pmbd@U+2503}{%
590 \pmbd@BeginDraw -X%
591 $ \pmbd@A=\pmbd@W
592 $ \advance\pmbd@A-\pmbd@Thick
593 $ \pmbd@A=.5\pmbd@A
594 $ \kern\pmbd@A
595 & \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
596 \pmbd@Rule\pmbd@Thick\pmbd@H\z@
597 \pmbd@EndBox
598 }
```

## 2.9.5 U+250C

### BOX DRAWINGS LIGHT DOWN AND RIGHT

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

\pmbd@U+250C
600 \@namedef{pmbd@U+250C}{%
601 \pmbd@BeginDraw X-%
602 $ \pmbd@A=\pmbd@H
603 $ \advance\pmbd@A\pmbd@Thin
604 $ \pmbd@A=.5\pmbd@A
605 $ \pmbd@B=-\pmbd@A
606 $ \advance\pmbd@B\pmbd@Thin
607 $ \pmbd@C=\pmbd@W
608 $ \advance\pmbd@C-\pmbd@Thin
609 $ \pmbd@C=.5\pmbd@C
610 $ \pmbd@D=\pmbd@W
611 $ \advance\pmbd@D-\pmbd@C
612 $ \kern\pmbd@C
613 $ \pmbd@Rule\pmbd@Thin\pmbd@A\z@
614 $ \kern-\pmbd@Thin
615 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
616 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
617 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
618 & \kern\pmbd@C
619 & \pmbd@Rule\pmbd@Thin\pmbd@A\z@
620 & \kern-\pmbd@Thin
621 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}%
622 & \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thin\relax}%
623 \pmbd@EndBox
624 }
```

## 2.9.6 U+250D

### BOX DRAWINGS DOWN LIGHT AND RIGHT HEAVY

```
\pmbd@U+250D
625 \@namedef{pmbd@U+250D}{%
626 \pmbd@BeginDraw XX%
627 $ \pmbd@A=\pmbd@H
628 $ \advance\pmbd@A\pmbd@Thick
629 $ \pmbd@A=.5\pmbd@A
630 $ \pmbd@B=-\pmbd@A
631 $ \advance\pmbd@B\pmbd@Thick
632 $ \pmbd@C=\pmbd@W
```



```

633 $ \advance\pmbd@C-\pmbd@Thin
634 $ \pmbd@C=.5\pmbd@C
635 $ \pmbd@D=\pmbd@W
636 $ \advance\pmbd@D-\pmbd@C
637 $ \kern\pmbd@C
638 $ \pmbd@Rule\pmbd@Thin\pmbd@A\z@
639 $ \kern-\pmbd@Thin
640 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
641 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
642 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
643 & \kern\pmbd@C
644 & \pmbd@Rule\pmbd@Thin\pmbd@A\z@
645 & \kern-\pmbd@Thin
646 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}%
647 & \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
648 \pmbd@EndBox
649 }

```

### 2.9.7 U+250E

#### BOX DRAWINGS DOWN HEAVY AND RIGHT LIGHT

`\pmbd@U+250E`

```

650 \@namedef{pmbd@U+250E}{%
651 \pmbd@BeginDraw XX%
652 $ \pmbd@A=\pmbd@H
653 $ \advance\pmbd@A\pmbd@Thin
654 $ \pmbd@A=.5\pmbd@A
655 $ \pmbd@B=-\pmbd@A
656 $ \advance\pmbd@B\pmbd@Thin
657 $ \pmbd@C=\pmbd@W
658 $ \advance\pmbd@C-\pmbd@Thick
659 $ \pmbd@C=.5\pmbd@C
660 $ \pmbd@D=\pmbd@W
661 $ \advance\pmbd@D-\pmbd@C
662 $ \kern\pmbd@C
663 $ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
664 $ \kern-\pmbd@Thick
665 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
666 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
667 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thick\relax
668 & \kern\pmbd@C
669 & \pmbd@Rule\pmbd@Thick\pmbd@A\z@
670 & \kern-\pmbd@Thick
671 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}%
672 & \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thin\relax}%
673 \pmbd@EndBox
674 }

```

### 2.9.8 U+250F

#### BOX DRAWINGS HEAVY DOWN AND RIGHT

`\pmbd@U+250F`

```

675 \@namedef{pmbd@U+250F}{%
676 \pmbd@BeginDraw -X%
677 $ \pmbd@A=\pmbd@H
678 $ \advance\pmbd@A\pmbd@Thick
679 $ \pmbd@A=.5\pmbd@A
680 $ \pmbd@B=-\pmbd@A
681 $ \advance\pmbd@B\pmbd@Thick
682 $ \pmbd@C=\pmbd@W
683 $ \advance\pmbd@C-\pmbd@Thick

```

```

684 $ \pmbd@C=.5\pmbd@C
685 $ \pmbd@D=\pmbd@W
686 $ \advance\pmbd@D-\pmbd@C
687 $ \kern\pmbd@C
688 $ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
689 $ \kern-\pmbd@Thick
690 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
691 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
692 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thick\relax
693 & \kern\pmbd@C
694 & \pmbd@Rule\pmbd@Thick\pmbd@A\z@
695 & \kern-\pmbd@Thick
696 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}%
697 & \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
698 \pmbd@EndBox
699 }

```

### 2.9.9 U+2510

#### BOX DRAWINGS LIGHT DOWN AND LEFT

```

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

\pmbd@U+2510
701 \@namedef{pmbd@U+2510}{%
702 \pmbd@BeginDraw X-%
703 $ \pmbd@A=\pmbd@H
704 $ \advance\pmbd@A\pmbd@Thin
705 $ \pmbd@A=.5\pmbd@A
706 $ \pmbd@B=-\pmbd@A
707 $ \advance\pmbd@B\pmbd@Thin
708 $ \pmbd@C=\pmbd@W
709 $ \advance\pmbd@C\pmbd@Thin
710 $ \pmbd@C=.5\pmbd@C
711 $ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
712 $ \kern-\pmbd@Thin
713 $ \pmbd@Rule\pmbd@Thin\pmbd@A\z@
714 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
715 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
716 & \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thin\relax}%
717 & \kern-\pmbd@Thin
718 & \pmbd@Rule\pmbd@Thin\pmbd@A\z@
719 \pmbd@EndBox
720 }

```

### 2.9.10 U+2511

#### BOX DRAWINGS DOWN LIGHT AND LEFT HEAVY

```

\pmbd@U+2511
721 \@namedef{pmbd@U+2511}{%
722 \pmbd@BeginDraw XX%
723 $ \pmbd@A=\pmbd@H
724 $ \advance\pmbd@A\pmbd@Thick
725 $ \pmbd@A=.5\pmbd@A
726 $ \pmbd@B=-\pmbd@A
727 $ \advance\pmbd@B\pmbd@Thick
728 $ \pmbd@C=\pmbd@W
729 $ \advance\pmbd@C\pmbd@Thin
730 $ \pmbd@C=.5\pmbd@C
731 $ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B

```

```

732 $ \kern-\pmbd@Thin
733 $ \pmbd@Rule\pmbd@Thin\pmbd@A\z@
734 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
735 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
736 & \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
737 & \kern-\pmbd@Thin
738 & \pmbd@Rule\pmbd@Thin\pmbd@A\z@
739 \pmbd@EndBox
740 }

```

### 2.9.11 U+2512

#### BOX DRAWINGS DOWN HEAVY AND LEFT LIGHT

\pmbd@U+2512

```

741 \@namedef{pmbd@U+2512}{%
742 \pmbd@BeginDraw XX%
743 $ \pmbd@A=\pmbd@H
744 $ \advance\pmbd@A\pmbd@Thin
745 $ \pmbd@A=.5\pmbd@A
746 $ \pmbd@B=-\pmbd@A
747 $ \advance\pmbd@B\pmbd@Thin
748 $ \pmbd@C=\pmbd@W
749 $ \advance\pmbd@C\pmbd@Thick
750 $ \pmbd@C=.5\pmbd@C
751 $ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
752 $ \kern-\pmbd@Thick
753 $ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
754 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
755 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
756 & \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thin\relax}%
757 & \kern-\pmbd@Thick
758 & \pmbd@Rule\pmbd@Thick\pmbd@A\z@
759 \pmbd@EndBox
760 }

```

### 2.9.12 U+2513

#### BOX DRAWINGS HEAVY DOWN AND LEFT

\pmbd@U+2513

```

761 \@namedef{pmbd@U+2513}{%
762 \pmbd@BeginDraw -X%
763 $ \pmbd@A=\pmbd@H
764 $ \advance\pmbd@A\pmbd@Thick
765 $ \pmbd@A=.5\pmbd@A
766 $ \pmbd@B=-\pmbd@A
767 $ \advance\pmbd@B\pmbd@Thick
768 $ \pmbd@C=\pmbd@W
769 $ \advance\pmbd@C\pmbd@Thick
770 $ \pmbd@C=.5\pmbd@C
771 $ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
772 $ \kern-\pmbd@Thick
773 $ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
774 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
775 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
776 & \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
777 & \kern-\pmbd@Thick
778 & \pmbd@Rule\pmbd@Thick\pmbd@A\z@
779 \pmbd@EndBox
780 }

```

### 2.9.13 U+2514

#### BOX DRAWINGS LIGHT UP AND RIGHT

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

\pmbd@U+2514
782 \@namedef{pmbd@U+2514}{%
783 \pmbd@BeginDraw X-%
784 $ \pmbd@A=\pmbd@H
785 $ \advance\pmbd@A\pmbd@Thin
786 $ \pmbd@A=.5\pmbd@A
787 $ \pmbd@B=-\pmbd@A
788 $ \advance\pmbd@B\pmbd@Thin
789 $ \pmbd@C=\pmbd@W
790 $ \advance\pmbd@C-\pmbd@Thin
791 $ \pmbd@C=.5\pmbd@C
792 $ \pmbd@D=\pmbd@W
793 $ \advance\pmbd@D-\pmbd@C
794 $ \kern\pmbd@C
795 $ \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
796 $ \kern-\pmbd@Thin
797 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
798 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
799 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
800 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
801 & \kern\pmbd@C
802 & \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
803 & \kern-\pmbd@Thin
804 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A\pmbd@B
805 \pmbd@EndBox
806 }
```

### 2.9.14 U+2515

#### BOX DRAWINGS UP LIGHT AND RIGHT HEAVY

```
\pmbd@U+2515
807 \@namedef{pmbd@U+2515}{%
808 \pmbd@BeginDraw XX%
809 $ \pmbd@A=\pmbd@H
810 $ \advance\pmbd@A\pmbd@Thick
811 $ \pmbd@A=.5\pmbd@A
812 $ \pmbd@B=-\pmbd@A
813 $ \advance\pmbd@B\pmbd@Thick
814 $ \pmbd@C=\pmbd@W
815 $ \advance\pmbd@C-\pmbd@Thin
816 $ \pmbd@C=.5\pmbd@C
817 $ \pmbd@D=\pmbd@W
818 $ \advance\pmbd@D-\pmbd@C
819 $ \kern\pmbd@C
820 $ \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
821 $ \kern-\pmbd@Thin
822 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
823 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
824 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
825 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
826 & \kern\pmbd@C
827 & \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
828 & \kern-\pmbd@Thin
829 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A\pmbd@B
830 \pmbd@EndBox
831 }
```

### 2.9.15 U+2516

#### BOX DRAWINGS UP HEAVY AND RIGHT LIGHT

`\pmbd@U+2516`

```
832 \@namedef{pmbd@U+2516}{%
833 \pmbd@BeginDraw XX%
834 $ \pmbd@A=\pmbd@H
835 $ \advance\pmbd@A\pmbd@Thin
836 $ \pmbd@A=.5\pmbd@A
837 $ \pmbd@B=-\pmbd@A
838 $ \advance\pmbd@B\pmbd@Thin
839 $ \pmbd@C=\pmbd@W
840 $ \advance\pmbd@C-\pmbd@Thick
841 $ \pmbd@C=.5\pmbd@C
842 $ \pmbd@D=\pmbd@W
843 $ \advance\pmbd@D-\pmbd@C
844 $ \kern\pmbd@C
845 $ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
846 $ \kern-\pmbd@Thick
847 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
848 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
849 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
850 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thick\relax
851 & \kern\pmbd@C
852 & \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
853 & \kern-\pmbd@Thin
854 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A\pmbd@B
855 \pmbd@EndBox
856 }
```

### 2.9.16 U+2517

#### BOX DRAWINGS HEAVY UP AND RIGHT

`\pmbd@U+2517`

```
857 \@namedef{pmbd@U+2517}{%
858 \pmbd@BeginDraw -X%
859 $ \pmbd@A=\pmbd@H
860 $ \advance\pmbd@A\pmbd@Thick
861 $ \pmbd@A=.5\pmbd@A
862 $ \pmbd@B=-\pmbd@A
863 $ \advance\pmbd@B\pmbd@Thick
864 $ \pmbd@C=\pmbd@W
865 $ \advance\pmbd@C-\pmbd@Thick
866 $ \pmbd@C=.5\pmbd@C
867 $ \pmbd@D=\pmbd@W
868 $ \advance\pmbd@D-\pmbd@C
869 $ \kern\pmbd@C
870 $ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
871 $ \kern-\pmbd@Thick
872 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
873 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
874 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
875 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thick\relax
876 & \kern\pmbd@C
877 & \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
878 & \kern-\pmbd@Thick
879 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A\pmbd@B
880 \pmbd@EndBox
881 }
```

### 2.9.17 U+2518

#### BOX DRAWINGS LIGHT UP AND LEFT

\textSFiv

882 \pmbd@UniDef\textSFiv{2518}

\pmbd@U+2518

```
883 \@namedef{pmbd@U+2518}{%
884 \pmbd@BeginDraw X-%
885 $ \pmbd@A=\pmbd@H
886 $ \advance\pmbd@A\pmbd@Thin
887 $ \pmbd@A=.5\pmbd@A
888 $ \pmbd@B=-\pmbd@A
889 $ \advance\pmbd@B\pmbd@Thin
890 $ \pmbd@C=\pmbd@W
891 $ \advance\pmbd@C\pmbd@Thin
892 $ \pmbd@C=.5\pmbd@C
893 $ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
894 $ \kern-\pmbd@Thin
895 $ \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
896 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
897 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
898 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
899 & \pmbd@A\pmbd@B
900 & \kern-\pmbd@Thin
901 & \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
902 \pmbd@EndBox
903 }
```

### 2.9.18 U+2519

#### BOX DRAWINGS UP LIGHT AND LEFT HEAVY

\pmbd@U+2519

```
904 \@namedef{pmbd@U+2519}{%
905 \pmbd@BeginDraw XX%
906 $ \pmbd@A=\pmbd@H
907 $ \advance\pmbd@A\pmbd@Thick
908 $ \pmbd@A=.5\pmbd@A
909 $ \pmbd@B=-\pmbd@A
910 $ \advance\pmbd@B\pmbd@Thick
911 $ \pmbd@C=\pmbd@W
912 $ \advance\pmbd@C\pmbd@Thin
913 $ \pmbd@C=.5\pmbd@C
914 $ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
915 $ \kern-\pmbd@Thin
916 $ \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
917 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
918 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
919 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
920 & \pmbd@A\pmbd@B
921 & \kern-\pmbd@Thin
922 & \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
923 \pmbd@EndBox
924 }
```

### 2.9.19 U+251A

#### BOX DRAWINGS UP HEAVY AND LEFT LIGHT

\pmbd@U+251A

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

```

926 \pmbd@BeginDraw XX%
927 $ \pmbd@A=\pmbd@H
928 $ \advance\pmbd@A\pmbd@Thin
929 $ \pmbd@A=.5\pmbd@A
930 $ \pmbd@B=-\pmbd@A
931 $ \advance\pmbd@B\pmbd@Thin
932 $ \pmbd@C=\pmbd@W
933 $ \advance\pmbd@C\pmbd@Thick
934 $ \pmbd@C=.5\pmbd@C
935 $ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
936 $ \kern-\pmbd@Thick
937 $ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
938 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
939 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
940 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
941 & \pmbd@A\pmbd@B
942 & \kern-\pmbd@Thick
943 & \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
944 \pmbd@EndBox
945 }

```

### 2.9.20 U+251B

#### BOX DRAWINGS HEAVY UP AND LEFT

\pmbd@U+251B

```

946 \@namedef{pmbd@U+251B}{%
947 \pmbd@BeginDraw -X%
948 $ \pmbd@A=\pmbd@H
949 $ \advance\pmbd@A\pmbd@Thick
950 $ \pmbd@A=.5\pmbd@A
951 $ \pmbd@B=-\pmbd@A
952 $ \advance\pmbd@B\pmbd@Thick
953 $ \pmbd@C=\pmbd@W
954 $ \advance\pmbd@C\pmbd@Thick
955 $ \pmbd@C=.5\pmbd@C
956 $ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
957 $ \kern-\pmbd@Thick
958 $ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
959 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
960 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
961 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
962 & \pmbd@A\pmbd@B
963 & \kern-\pmbd@Thick
964 & \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
965 \pmbd@EndBox
966 }

```

### 2.9.21 U+251C

#### BOX DRAWINGS LIGHT VERTICAL AND RIGHT

\textSFviii

```

967 \pmbd@UniDef\textSFviii{251C}

```

\pmbd@U+251C

```

968 \@namedef{pmbd@U+251C}{%
969 \pmbd@BeginDraw X-%
970 $ \pmbd@A=\pmbd@H
971 $ \advance\pmbd@A\pmbd@Thin
972 $ \pmbd@A=.5\pmbd@A
973 $ \pmbd@B=-\pmbd@A

```

```

974 $ \advance\pmbd@B\pmbd@Thin
975 $ \pmbd@C=\pmbd@W
976 $ \advance\pmbd@C-\pmbd@Thin
977 $ \pmbd@C=.5\pmbd@C
978 $ \pmbd@D=\pmbd@W
979 $ \advance\pmbd@D-\pmbd@C
980 $ \kern\pmbd@C
981 $ \pmbd@Rule\pmbd@Thin\pmbd@H\z@
982 $ \kern-\pmbd@Thin
983 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
984 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
985 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
986 & \kern\pmbd@C
987 & \pmbd@Rule\pmbd@Thin\pmbd@H\z@
988 & \kern-\pmbd@Thin
989 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A
990 & {-\dimexpr\pmbd@A-\pmbd@Thin\relax}%
991 \pmbd@EndBox
992 }

```

### 2.9.22 U+251D

#### BOX DRAWINGS VERTICAL LIGHT AND RIGHT HEAVY

\pmbd@U+251D

```

993 \@namedef{pmbd@U+251D}{%
994 \pmbd@BeginDraw XX%
995 $ \pmbd@A=\pmbd@H
996 $ \advance\pmbd@A\pmbd@Thick
997 $ \pmbd@A=.5\pmbd@A
998 $ \pmbd@B=-\pmbd@A
999 $ \advance\pmbd@B\pmbd@Thick
1000 $ \pmbd@C=\pmbd@W
1001 $ \advance\pmbd@C-\pmbd@Thin
1002 $ \pmbd@C=.5\pmbd@C
1003 $ \pmbd@D=\pmbd@W
1004 $ \advance\pmbd@D-\pmbd@C
1005 $ \kern\pmbd@C
1006 $ \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1007 $ \kern-\pmbd@Thin
1008 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
1009 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
1010 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
1011 & \kern\pmbd@C
1012 & \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1013 & \kern-\pmbd@Thin
1014 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A
1015 & {-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
1016 \pmbd@EndBox
1017 }

```

### 2.9.23 U+251E

#### BOX DRAWINGS UP HEAVY AND RIGHT DOWN LIGHT

\pmbd@U+251E

```

1018 \@namedef{pmbd@U+251E}{%
1019 \pmbd@BeginDraw XX%
1020 $ \pmbd@A=\pmbd@H
1021 $ \advance\pmbd@A\pmbd@Thin
1022 $ \pmbd@A=.5\pmbd@A
1023 $ \pmbd@B=-\pmbd@A
1024 $ \advance\pmbd@B\pmbd@Thin

```



```

1025 $ \pmbd@C=\pmbd@W
1026 $ \advance\pmbd@C-\pmbd@Thin
1027 $ \pmbd@C=.5\pmbd@C
1028 $ \pmbd@D=\pmbd@W
1029 $ \advance\pmbd@D-\pmbd@C
1030 $ \rlap{%
1031 $ \kern\pmbd@C
1032 $ \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1033 $ \kern-\pmbd@Thin
1034 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
1035 $ }%
1036 $ \pmbd@C=\pmbd@W
1037 $ \advance\pmbd@C-\pmbd@Thick
1038 $ \kern.5\pmbd@C
1039 $ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
1040 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
1041 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
1042 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
1043 & \rlap{%
1044 & \kern\pmbd@C
1045 & \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1046 & \kern-\pmbd@Thin
1047 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A\pmbd@B
1048 & }%
1049 & \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
1050 & \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
1051 \pmbd@EndBox
1052 }

```

## 2.9.24 U+251F

### BOX DRAWINGS DOWN HEAVY AND RIGHT UP LIGHT

\pmbd@U+251F

```

1053 \@namedef{pmbd@U+251F}{%
1054 \pmbd@BeginDraw XX%
1055 $ \pmbd@A=\pmbd@H
1056 $ \advance\pmbd@A\pmbd@Thin
1057 $ \pmbd@A=.5\pmbd@A
1058 $ \pmbd@B=-\pmbd@A
1059 $ \advance\pmbd@B\pmbd@Thin
1060 $ \pmbd@C=\pmbd@W
1061 $ \advance\pmbd@C-\pmbd@Thin
1062 $ \pmbd@C=.5\pmbd@C
1063 $ \pmbd@D=\pmbd@W
1064 $ \advance\pmbd@D-\pmbd@C
1065 $ \rlap{%
1066 $ \kern\pmbd@C
1067 $ \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1068 $ \kern-\pmbd@Thin
1069 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
1070 $ }%
1071 $ \pmbd@C=\pmbd@W
1072 $ \advance\pmbd@C-\pmbd@Thick
1073 $ \kern.5\pmbd@C
1074 $ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
1075 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
1076 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
1077 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
1078 & \rlap{%
1079 & \kern\pmbd@C
1080 & \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1081 & \kern-\pmbd@Thin

```

```

1082 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A\pmbd@B
1083 & }%
1084 & \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
1085 & \pmbd@Rule\pmbd@Thick\pmbd@A\z@
1086 \pmbd@EndBox
1087 }

```

### 2.9.25 U+2520

#### BOX DRAWINGS VERTICAL HEAVY AND RIGHT LIGHT

\pmbd@U+2520

```

1088 \@namedef{pmbd@U+2520}{%
1089 \pmbd@BeginDraw XX%
1090 $ \pmbd@A=\pmbd@H
1091 $ \advance\pmbd@A\pmbd@Thin
1092 $ \pmbd@A=.5\pmbd@A
1093 $ \pmbd@B=-\pmbd@A
1094 $ \advance\pmbd@B\pmbd@Thin
1095 $ \pmbd@C=\pmbd@W
1096 $ \advance\pmbd@C-\pmbd@Thick
1097 $ \pmbd@C=.5\pmbd@C
1098 $ \pmbd@D=\pmbd@W
1099 $ \advance\pmbd@D-\pmbd@C
1100 $ \kern\pmbd@C
1101 $ \pmbd@Rule\pmbd@Thick\pmbd@H\z@
1102 $ \kern-\pmbd@Thick
1103 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
1104 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
1105 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thick\relax
1106 & \kern\pmbd@C
1107 & \pmbd@Rule\pmbd@Thick\pmbd@H\z@
1108 & \kern-\pmbd@Thick
1109 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A
1110 & {-\dimexpr\pmbd@A-\pmbd@Thin\relax}%
1111 \pmbd@EndBox
1112 }

```

### 2.9.26 U+2521

#### BOX DRAWINGS DOWN LIGHT AND RIGHT UP HEAVY

\pmbd@U+2521

```

1113 \@namedef{pmbd@U+2521}{%
1114 \pmbd@BeginDraw XX%
1115 $ \pmbd@A=\pmbd@H
1116 $ \advance\pmbd@A\pmbd@Thick
1117 $ \pmbd@A=.5\pmbd@A
1118 $ \pmbd@B=-\pmbd@A
1119 $ \advance\pmbd@B\pmbd@Thick
1120 $ \pmbd@C=\pmbd@W
1121 $ \advance\pmbd@C-\pmbd@Thin
1122 $ \pmbd@C=.5\pmbd@C
1123 $ \pmbd@D=\pmbd@W
1124 $ \advance\pmbd@D-\pmbd@C
1125 $ \rlap{%
1126 $ \kern\pmbd@C
1127 $ \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1128 $ \kern-\pmbd@Thin
1129 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
1130 $ }%
1131 $ \pmbd@C=\pmbd@W
1132 $ \advance\pmbd@C-\pmbd@Thick

```

```

1133 $ \kern.5\pmbd@C
1134 $ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
1135 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
1136 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
1137 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
1138 & \rlap{%
1139 & \kern\pmbd@C
1140 & \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1141 & \kern-\pmbd@Thin
1142 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A\pmbd@B
1143 & }%
1144 & \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
1145 & \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
1146 \pmbd@EndBox
1147 }

```

## 2.9.27 U+2522

### BOX DRAWINGS UP LIGHT AND RIGHT DOWN HEAVY

\pmbd@U+2522

```

1148 \@namedef{pmbd@U+2522}{%
1149 \pmbd@BeginDraw XX%
1150 $ \pmbd@A=\pmbd@H
1151 $ \advance\pmbd@A\pmbd@Thick
1152 $ \pmbd@A=.5\pmbd@A
1153 $ \pmbd@B=-\pmbd@A
1154 $ \advance\pmbd@B\pmbd@Thick
1155 $ \pmbd@C=\pmbd@W
1156 $ \advance\pmbd@C-\pmbd@Thin
1157 $ \pmbd@C=.5\pmbd@C
1158 $ \pmbd@D=\pmbd@W
1159 $ \advance\pmbd@D-\pmbd@C
1160 $ \rlap{%
1161 $ \kern\pmbd@C
1162 $ \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1163 $ \kern-\pmbd@Thin
1164 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
1165 $ }%
1166 $ \pmbd@C=\pmbd@W
1167 $ \advance\pmbd@C-\pmbd@Thick
1168 $ \kern.5\pmbd@C
1169 $ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
1170 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
1171 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
1172 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
1173 & \rlap{%
1174 & \kern\pmbd@C
1175 & \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1176 & \kern-\pmbd@Thin
1177 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A\pmbd@B
1178 & }%
1179 & \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
1180 & \pmbd@Rule\pmbd@Thick\pmbd@A\z@
1181 \pmbd@EndBox
1182 }

```

## 2.9.28 U+2523

### BOX DRAWINGS HEAVY VERTICAL AND RIGHT

\pmbd@U+2523

```

1183 \@namedef{pmbd@U+2523}{%

```

```

1184 \pmbd@BeginDraw -X%
1185 $ \pmbd@A=\pmbd@H
1186 $ \advance\pmbd@A\pmbd@Thick
1187 $ \pmbd@A=.5\pmbd@A
1188 $ \pmbd@B=-\pmbd@A
1189 $ \advance\pmbd@B\pmbd@Thick
1190 $ \pmbd@C=\pmbd@W
1191 $ \advance\pmbd@C-\pmbd@Thick
1192 $ \pmbd@C=.5\pmbd@C
1193 $ \pmbd@D=\pmbd@W
1194 $ \advance\pmbd@D-\pmbd@C
1195 $ \kern\pmbd@C
1196 $ \pmbd@Rule\pmbd@Thick\pmbd@H\z@
1197 $ \kern-\pmbd@Thick
1198 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
1199 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
1200 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thick\relax
1201 & \kern\pmbd@C
1202 & \pmbd@Rule\pmbd@Thick\pmbd@H\z@
1203 & \kern-\pmbd@Thick
1204 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A
1205 & {-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
1206 \pmbd@EndBox
1207 }

```

### 2.9.29 U+2524

#### BOX DRAWINGS LIGHT VERTICAL AND LEFT

\textSFix

```
1208 \pmbd@UniDef\textSFix{2524}
```

\pmbd@U+2524

```

1209 \@namedef{pmbd@U+2524}{%
1210 \pmbd@BeginDraw X-%
1211 $ \pmbd@A=\pmbd@H
1212 $ \advance\pmbd@A\pmbd@Thin
1213 $ \pmbd@A=.5\pmbd@A
1214 $ \pmbd@B=-\pmbd@A
1215 $ \advance\pmbd@B\pmbd@Thin
1216 $ \pmbd@C=\pmbd@W
1217 $ \advance\pmbd@C\pmbd@Thin
1218 $ \pmbd@Rule{.5\pmbd@C}\pmbd@A\pmbd@B
1219 $ \kern-\pmbd@Thin
1220 $ \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1221 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
1222 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
1223 & \pmbd@A{\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
1224 & \kern-\pmbd@Thin
1225 & \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1226 \pmbd@EndBox
1227 }

```

### 2.9.30 U+2525

#### BOX DRAWINGS VERTICAL LIGHT AND LEFT HEAVY

\pmbd@U+2525

```

1228 \@namedef{pmbd@U+2525}{%
1229 \pmbd@BeginDraw XX%
1230 $ \pmbd@A=\pmbd@H
1231 $ \advance\pmbd@A\pmbd@Thick

```

```

1232 $ \pmbd@A=.5\pmbd@A
1233 $ \pmbd@B=-\pmbd@A
1234 $ \advance\pmbd@B\pmbd@Thick
1235 $ \pmbd@C=\pmbd@W
1236 $ \advance\pmbd@C\pmbd@Thin
1237 $ \pmbd@Rule{.5\pmbd@C}\pmbd@A\pmbd@B
1238 $ \kern-\pmbd@Thin
1239 $ \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1240 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
1241 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
1242 & \pmbd@A{\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
1243 & \kern-\pmbd@Thin
1244 & \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1245 \pmbd@EndBox
1246 }

```

### 2.9.31 U+2526

BOX DRAWINGS UP HEAVY AND LEFT DOWN LIGHT

\pmbd@U+2526

```

1247 \@namedef{pmbd@U+2526}{%
1248 \pmbd@BeginDraw XX%
1249 $ \pmbd@A=\pmbd@H
1250 $ \advance\pmbd@A\pmbd@Thin
1251 $ \pmbd@A=.5\pmbd@A
1252 $ \pmbd@B=-\pmbd@A
1253 $ \advance\pmbd@B\pmbd@Thin
1254 $ \pmbd@C=\pmbd@W
1255 $ \advance\pmbd@C\pmbd@Thin
1256 $ \pmbd@D=\pmbd@W
1257 $ \advance\pmbd@D-\pmbd@Thick
1258 $ \rlap{%
1259 $ \pmbd@Rule{.5\pmbd@C}\pmbd@A\pmbd@B
1260 $ \kern-\pmbd@Thin
1261 $ \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1262 $ }%
1263 $ \kern.5\pmbd@D
1264 $ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
1265 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
1266 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
1267 & \rlap{%
1268 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
1269 & \pmbd@A\pmbd@B
1270 & \kern-\pmbd@Thin
1271 & \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1272 & }%
1273 & \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
1274 & \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
1275 \pmbd@EndBox
1276 }

```

### 2.9.32 U+2527

BOX DRAWINGS DOWN HEAVY AND LEFT UP LIGHT

\pmbd@U+2527

```

1277 \@namedef{pmbd@U+2527}{%
1278 \pmbd@BeginDraw XX%
1279 $ \pmbd@A=\pmbd@H
1280 $ \advance\pmbd@A\pmbd@Thin
1281 $ \pmbd@A=.5\pmbd@A
1282 $ \pmbd@B=-\pmbd@A

```

```

1283 $ \advance\pmbd@B\pmbd@Thin
1284 $ \pmbd@C=\pmbd@W
1285 $ \advance\pmbd@C\pmbd@Thin
1286 $ \pmbd@D=\pmbd@W
1287 $ \advance\pmbd@D-\pmbd@Thick
1288 $ \rlap{%
1289 $ \pmbd@Rule{.5\pmbd@C}\pmbd@A\pmbd@B
1290 $ \kern-\pmbd@Thin
1291 $ \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1292 $ }%
1293 $ \kern.5\pmbd@D
1294 $ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
1295 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
1296 & \rlap{%
1297 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
1298 & \pmbd@A{\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
1299 & \kern-\pmbd@Thin
1300 & \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1301 & }%
1302 & \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
1303 & \pmbd@Rule\pmbd@Thick\pmbd@A\z@
1304 \pmbd@EndBox
1305 }

```

### 2.9.33 U+2528

#### BOX DRAWINGS VERTICAL HEAVY AND LEFT LIGHT

\pmbd@U+2528

```

1306 \@namedef{pmbd@U+2528}{%
1307 \pmbd@BeginDraw XX%
1308 $ \pmbd@A=\pmbd@H
1309 $ \advance\pmbd@A\pmbd@Thin
1310 $ \pmbd@A=.5\pmbd@A
1311 $ \pmbd@B=-\pmbd@A
1312 $ \advance\pmbd@B\pmbd@Thin
1313 $ \pmbd@C=\pmbd@W
1314 $ \advance\pmbd@C\pmbd@Thick
1315 $ \pmbd@Rule{.5\pmbd@C}\pmbd@A\pmbd@B
1316 $ \kern-\pmbd@Thick
1317 $ \pmbd@Rule\pmbd@Thick\pmbd@H\z@
1318 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
1319 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
1320 & \pmbd@A{\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
1321 & \kern-\pmbd@Thick
1322 & \pmbd@Rule\pmbd@Thick\pmbd@H\z@
1323 \pmbd@EndBox
1324 }

```

### 2.9.34 U+2529

#### BOX DRAWINGS DOWN LIGHT AND LEFT UP HEAVY

\pmbd@U+2529

```

1325 \@namedef{pmbd@U+2529}{%
1326 \pmbd@BeginDraw XX%
1327 $ \pmbd@A=\pmbd@H
1328 $ \advance\pmbd@A\pmbd@Thick
1329 $ \pmbd@A=.5\pmbd@A
1330 $ \pmbd@B=-\pmbd@A
1331 $ \advance\pmbd@B\pmbd@Thick
1332 $ \pmbd@C=\pmbd@W
1333 $ \advance\pmbd@C\pmbd@Thick

```

```

1334 $ \pmbd@C=.5\pmbd@C
1335 $ \rlap{%
1336 $ \pmbd@C=\pmbd@W
1337 $ \advance\pmbd@C-\pmbd@Thin
1338 $ \kern.5\pmbd@C
1339 $ \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1340 $ }%
1341 $ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
1342 $ \kern-\pmbd@Thick
1343 $ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
1344 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
1345 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
1346 & \rlap{%
1347 & \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
1348 & \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1349 & }%
1350 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
1351 & \pmbd@A\pmbd@B
1352 & \kern-\pmbd@Thick
1353 & \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
1354 \pmbd@EndBox
1355 }

```

### 2.9.35 U+252A

BOX DRAWINGS UP LIGHT AND LEFT DOWN HEAVY

`\pmbd@U+252A`

```

1356 \@namedef{pmbd@U+252A}{%
1357 \pmbd@BeginDraw XX%
1358 $ \pmbd@A=\pmbd@H
1359 $ \advance\pmbd@A\pmbd@Thick
1360 $ \pmbd@A=.5\pmbd@A
1361 $ \pmbd@B=-\pmbd@A
1362 $ \advance\pmbd@B\pmbd@Thick
1363 $ \pmbd@C=\pmbd@W
1364 $ \advance\pmbd@C\pmbd@Thick
1365 $ \pmbd@C=.5\pmbd@C
1366 $ \rlap{%
1367 $ \pmbd@C=\pmbd@W
1368 $ \advance\pmbd@C-\pmbd@Thin
1369 $ \kern.5\pmbd@C
1370 $ \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1371 $ }%
1372 $ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
1373 $ \kern-\pmbd@Thick
1374 $ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
1375 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
1376 & \rlap{%
1377 & \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
1378 & \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1379 & }%
1380 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
1381 & \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
1382 & \kern-\pmbd@Thick
1383 & \pmbd@Rule\pmbd@Thick\pmbd@A\z@
1384 \pmbd@EndBox
1385 }

```

### 2.9.36 U+252B

BOX DRAWINGS HEAVY VERTICAL AND LEFT

`\pmbd@U+252B`

```
1386 \@namedef{pmbd@U+252B}{%
1387 \pmbd@BeginDraw -X%
1388 $ \pmbd@A=\pmbd@H
1389 $ \advance\pmbd@A\pmbd@Thick
1390 $ \pmbd@A=.5\pmbd@A
1391 $ \pmbd@B=-\pmbd@A
1392 $ \advance\pmbd@B\pmbd@Thick
1393 $ \pmbd@C=\pmbd@W
1394 $ \advance\pmbd@C\pmbd@Thick
1395 $ \pmbd@Rule{.5\pmbd@C}\pmbd@A\pmbd@B
1396 $ \kern-\pmbd@Thick
1397 $ \pmbd@Rule\pmbd@Thick\pmbd@H\z@
1398 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
1399 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
1400 & \pmbd@A{\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
1401 & \kern-\pmbd@Thick
1402 & \pmbd@Rule\pmbd@Thick\pmbd@H\z@
1403 \pmbd@EndBox
1404 }
```

### 2.9.37 U+252C

BOX DRAWINGS LIGHT DOWN AND HORIZONTAL

`\textSFvi`

```
1405 \pmbd@UniDef\textSFvi{252C}
```

`\pmbd@U+252C`

```
1406 \@namedef{pmbd@U+252C}{%
1407 \pmbd@BeginDraw X-%
1408 $ \pmbd@A=\pmbd@H
1409 $ \advance\pmbd@A\pmbd@Thin
1410 $ \pmbd@A=.5\pmbd@A
1411 $ \pmbd@B=-\pmbd@A
1412 $ \advance\pmbd@B\pmbd@Thin
1413 $ \pmbd@C=\pmbd@W
1414 $ \advance\pmbd@C-\pmbd@Thin
1415 $ \rlap{%
1416 $ \kern.5\pmbd@C
1417 $ \pmbd@Rule\pmbd@Thin\pmbd@A\z@
1418 $ }%
1419 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1420 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
1421 & \rlap{%
1422 & \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
1423 & \pmbd@Rule\pmbd@Thin\pmbd@A\z@
1424 & }%
1425 & \pmbd@Rule\pmbd@W\pmbd@A
1426 & {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
1427 \pmbd@EndBox
1428 }
```

### 2.9.38 U+252D

BOX DRAWINGS LEFT HEAVY AND RIGHT DOWN LIGHT

`\pmbd@U+252D`

```
1429 \@namedef{pmbd@U+252D}{%
1430 \pmbd@BeginDraw XX%
1431 $ \pmbd@A=\pmbd@H
1432 $ \advance\pmbd@A\pmbd@Thin
```



```

1433 $ \pmbd@A=.5\pmbd@A
1434 $ \pmbd@B=-\pmbd@A
1435 $ \advance\pmbd@B\pmbd@Thin
1436 $ \pmbd@C=\pmbd@W
1437 $ \advance\pmbd@C-\pmbd@Thin
1438 $ \rlap{%
1439 $ \pmbd@A=\pmbd@H
1440 $ \advance\pmbd@A\pmbd@Thick
1441 $ \pmbd@A=.5\pmbd@A
1442 $ \pmbd@B=-\pmbd@A
1443 $ \advance\pmbd@B\pmbd@Thick
1444 $ \pmbd@C=\pmbd@W
1445 $ \advance\pmbd@C\pmbd@Thin
1446 $ \pmbd@Rule{.5\pmbd@C}\pmbd@A\pmbd@B
1447 $ }%
1448 $ \rlap{%
1449 $ \kern.5\pmbd@C
1450 $ \pmbd@Rule\pmbd@Thin\pmbd@A\z@
1451 $ }%
1452 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1453 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
1454 & \rlap{%
1455 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
1456 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
1457 & \pmbd@A{\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
1458 & }%
1459 & \rlap{%
1460 & \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
1461 & \pmbd@Rule\pmbd@Thin\pmbd@A\z@
1462 & }%
1463 & \pmbd@Rule\pmbd@W\pmbd@A
1464 & {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
1465 \pmbd@EndBox
1466 }

```

### 2.9.39 U+252E

#### BOX DRAWINGS RIGHT HEAVY AND LEFT DOWN LIGHT

\pmbd@U+252E

```

1467 \@namedef{pmbd@U+252E}{%
1468 \pmbd@BeginDraw XX%
1469 $ \pmbd@A=\pmbd@H
1470 $ \advance\pmbd@A\pmbd@Thin
1471 $ \pmbd@A=.5\pmbd@A
1472 $ \pmbd@B=-\pmbd@A
1473 $ \advance\pmbd@B\pmbd@Thin
1474 $ \pmbd@C=\pmbd@W
1475 $ \advance\pmbd@C-\pmbd@Thin
1476 $ \rlap{%
1477 $ \pmbd@A=\pmbd@H
1478 $ \advance\pmbd@A\pmbd@Thick
1479 $ \pmbd@A=.5\pmbd@A
1480 $ \pmbd@B=-\pmbd@A
1481 $ \advance\pmbd@B\pmbd@Thick
1482 $ \pmbd@C=\pmbd@W
1483 $ \advance\pmbd@C-\pmbd@Thin
1484 $ \pmbd@C=.5\pmbd@C
1485 $ \kern\pmbd@C
1486 $ \advance\pmbd@C-\pmbd@W
1487 $ \pmbd@Rule{-\pmbd@C}\pmbd@A\pmbd@B
1488 $ }%
1489 $ \rlap{%

```

```

1490 $ \kern.5\pmbd@C
1491 $ \pmbd@Rule\pmbd@Thin\pmbd@A\z@
1492 $ }%
1493 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1494 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
1495 & \rlap{%
1496 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
1497 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
1498 & \kern\pmbd@C
1499 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}%
1500 & \pmbd@A{\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
1501 & }%
1502 & \rlap{%
1503 & \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
1504 & \pmbd@Rule\pmbd@Thin\pmbd@A\z@
1505 & }%
1506 & \pmbd@Rule\pmbd@W\pmbd@A
1507 & {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
1508 \pmbd@EndBox
1509 }

```

#### 2.9.40 U+252F

##### BOX DRAWINGS DOWN LIGHT AND HORIZONTAL HEAVY

\pmbd@U+252F

```

1510 \@namedef{pmbd@U+252F}{%
1511 \pmbd@BeginDraw XX%
1512 $ \pmbd@A=\pmbd@H
1513 $ \advance\pmbd@A\pmbd@Thick
1514 $ \pmbd@A=.5\pmbd@A
1515 $ \pmbd@B=-\pmbd@A
1516 $ \advance\pmbd@B\pmbd@Thick
1517 $ \pmbd@C=\pmbd@W
1518 $ \advance\pmbd@C-\pmbd@Thin
1519 $ \rlap{%
1520 $ \kern.5\pmbd@C
1521 $ \pmbd@Rule\pmbd@Thin\pmbd@A\z@
1522 $ }%
1523 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1524 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
1525 & \rlap{%
1526 & \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
1527 & \pmbd@Rule\pmbd@Thin\pmbd@A\z@
1528 & }%
1529 & \pmbd@Rule\pmbd@W\pmbd@A
1530 & {\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
1531 \pmbd@EndBox
1532 }

```

#### 2.9.41 U+2530

##### BOX DRAWINGS DOWN HEAVY AND HORIZONTAL LIGHT

\pmbd@U+2530

```

1533 \@namedef{pmbd@U+2530}{%
1534 \pmbd@BeginDraw XX%
1535 $ \pmbd@A=\pmbd@H
1536 $ \advance\pmbd@A\pmbd@Thin
1537 $ \pmbd@A=.5\pmbd@A
1538 $ \pmbd@B=-\pmbd@A
1539 $ \advance\pmbd@B\pmbd@Thin
1540 $ \pmbd@C=\pmbd@W

```

```

1541 $ \advance\pmbd@C-\pmbd@Thick
1542 $ \rlap{%
1543 $ \kern.5\pmbd@C
1544 $ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
1545 $ }%
1546 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1547 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
1548 & \rlap{%
1549 & \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
1550 & \pmbd@Rule\pmbd@Thick\pmbd@A\z@
1551 & }%
1552 & \pmbd@Rule\pmbd@W\pmbd@A
1553 & {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
1554 \pmbd@EndBox
1555 }

```

## 2.9.42 U+2531

BOX DRAWINGS RIGHT LIGHT AND LEFT DOWN HEAVY

\pmbd@U+2531

```

1556 \@namedef{pmbd@U+2531}{%
1557 \pmbd@BeginDraw XX%
1558 $ \pmbd@A=\pmbd@H
1559 $ \advance\pmbd@A\pmbd@Thick
1560 $ \pmbd@A=.5\pmbd@A
1561 $ \pmbd@B=-\pmbd@A
1562 $ \advance\pmbd@B\pmbd@Thick
1563 $ \pmbd@C=\pmbd@W
1564 $ \advance\pmbd@C\pmbd@Thick
1565 $ \pmbd@C=.5\pmbd@C
1566 $ \rlap{%
1567 $ \pmbd@A=\pmbd@H
1568 $ \advance\pmbd@A\pmbd@Thin
1569 $ \pmbd@A=.5\pmbd@A
1570 $ \pmbd@B=-\pmbd@A
1571 $ \advance\pmbd@B\pmbd@Thin
1572 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1573 $ }%
1574 $ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
1575 $ \kern-\pmbd@Thick
1576 $ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
1577 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
1578 & \rlap{%
1579 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
1580 & \pmbd@Rule\pmbd@W\pmbd@A
1581 & {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
1582 & }%
1583 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
1584 & \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
1585 & \kern-\pmbd@Thick
1586 & \pmbd@Rule\pmbd@Thick\pmbd@A\z@
1587 \pmbd@EndBox
1588 }

```

## 2.9.43 U+2532

BOX DRAWINGS LEFT LIGHT AND RIGHT DOWN HEAVY

\pmbd@U+2532

```

1589 \@namedef{pmbd@U+2532}{%
1590 \pmbd@BeginDraw XX%
1591 $ \pmbd@A=\pmbd@H

```

```

1592 $ \advance\pmbd@A\pmbd@Thick
1593 $ \pmbd@A=.5\pmbd@A
1594 $ \pmbd@B=-\pmbd@A
1595 $ \advance\pmbd@B\pmbd@Thick
1596 $ \pmbd@C=\pmbd@W
1597 $ \advance\pmbd@C-\pmbd@Thick
1598 $ \pmbd@C=.5\pmbd@C
1599 $ \pmbd@D=\pmbd@W
1600 $ \advance\pmbd@D-\pmbd@C
1601 $ \rlap{%
1602 $ \pmbd@A=\pmbd@H
1603 $ \advance\pmbd@A\pmbd@Thin
1604 $ \pmbd@A=.5\pmbd@A
1605 $ \pmbd@B=-\pmbd@A
1606 $ \advance\pmbd@B\pmbd@Thin
1607 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1608 $ }%
1609 $ \kern\pmbd@C
1610 $ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
1611 $ \kern-\pmbd@Thick
1612 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
1613 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
1614 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thick\relax
1615 & \rlap{%
1616 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
1617 & \pmbd@Rule\pmbd@W\pmbd@A
1618 & {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
1619 & }%
1620 & \kern\pmbd@C
1621 & \pmbd@Rule\pmbd@Thick\pmbd@A\z@
1622 & \kern-\pmbd@Thick
1623 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}%
1624 & \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
1625 \pmbd@EndBox
1626 }

```

#### 2.9.44 U+2533

##### BOX DRAWINGS HEAVY DOWN AND HORIZONTAL

\pmbd@U+2533

```

1627 \@namedef{pmbd@U+2533}{%
1628 \pmbd@BeginDraw -X%
1629 $ \pmbd@A=\pmbd@H
1630 $ \advance\pmbd@A\pmbd@Thick
1631 $ \pmbd@A=.5\pmbd@A
1632 $ \pmbd@B=-\pmbd@A
1633 $ \advance\pmbd@B\pmbd@Thick
1634 $ \pmbd@C=\pmbd@W
1635 $ \advance\pmbd@C-\pmbd@Thick
1636 $ \rlap{%
1637 $ \kern.5\pmbd@C
1638 $ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
1639 $ }%
1640 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1641 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
1642 & \rlap{%
1643 & \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
1644 & \pmbd@Rule\pmbd@Thick\pmbd@A\z@
1645 & }%
1646 & \pmbd@Rule\pmbd@W\pmbd@A
1647 & {\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
1648 \pmbd@EndBox

```

1649 }

### 2.9.45 U+2534

#### BOX DRAWINGS LIGHT UP AND HORIZONTAL

\textSFvii

1650 \pmbd@UniDef\textSFvii{2534}

\pmbd@U+2534

```
1651 \@namedef{pmbd@U+2534}{%
1652 \pmbd@BeginDraw X-%
1653 $ \pmbd@A=\pmbd@H
1654 $ \advance\pmbd@A\pmbd@Thin
1655 $ \pmbd@A=.5\pmbd@A
1656 $ \pmbd@B=-\pmbd@A
1657 $ \advance\pmbd@B\pmbd@Thin
1658 $ \pmbd@C=\pmbd@W
1659 $ \advance\pmbd@C-\pmbd@Thin
1660 $ \rlap{%
1661 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1662 $ }%
1663 $ \kern.5\pmbd@C
1664 $ \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
1665 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
1666 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
1667 & \rlap{%
1668 & \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1669 & }%
1670 & \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
1671 & \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
1672 \pmbd@EndBox
1673 }
```

### 2.9.46 U+2535

#### BOX DRAWINGS LEFT HEAVY AND RIGHT UP LIGHL

\pmbd@U+2535

```
1674 \@namedef{pmbd@U+2535}{%
1675 \pmbd@BeginDraw XX%
1676 $ \pmbd@A=\pmbd@H
1677 $ \advance\pmbd@A\pmbd@Thin
1678 $ \pmbd@A=.5\pmbd@A
1679 $ \pmbd@B=-\pmbd@A
1680 $ \advance\pmbd@B\pmbd@Thin
1681 $ \pmbd@C=\pmbd@W
1682 $ \advance\pmbd@C-\pmbd@Thin
1683 $ \rlap{%
1684 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1685 $ }%
1686 $ \rlap{%
1687 $ \pmbd@A=\pmbd@H
1688 $ \advance\pmbd@A\pmbd@Thick
1689 $ \pmbd@A=.5\pmbd@A
1690 $ \pmbd@B=-\pmbd@A
1691 $ \advance\pmbd@B\pmbd@Thick
1692 $ \pmbd@C=\pmbd@W
1693 $ \advance\pmbd@C\pmbd@Thin
1694 $ \pmbd@Rule{.5\pmbd@C}\pmbd@A\pmbd@B
1695 $ }%
1696 $ \kern.5\pmbd@C
```

```

1697 $ \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
1698 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
1699 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
1700 & \rlap{%
1701 & \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1702 & }%
1703 & \rlap{%
1704 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
1705 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
1706 & \pmbd@A{\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
1707 & }%
1708 & \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
1709 & \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
1710 \pmbd@EndBox
1711 }

```

## 2.9.47 U+2536

### BOX DRAWINGS RIGHT HEAVY AND LEFT UP LIGHT

\pmbd@U+2536

```

1712 \@namedef{pmbd@U+2536}{%
1713 \pmbd@BeginDraw XX%
1714 $ \pmbd@A=\pmbd@H
1715 $ \advance\pmbd@A\pmbd@Thin
1716 $ \pmbd@A=.5\pmbd@A
1717 $ \pmbd@B=-\pmbd@A
1718 $ \advance\pmbd@B\pmbd@Thin
1719 $ \pmbd@C=\pmbd@W
1720 $ \advance\pmbd@C-\pmbd@Thin
1721 $ \rlap{%
1722 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1723 $ }%
1724 $ \rlap{%
1725 $ \pmbd@A=\pmbd@H
1726 $ \advance\pmbd@A\pmbd@Thick
1727 $ \pmbd@A=.5\pmbd@A
1728 $ \pmbd@B=-\pmbd@A
1729 $ \advance\pmbd@B\pmbd@Thick
1730 $ \pmbd@C=\pmbd@W
1731 $ \advance\pmbd@C-\pmbd@Thin
1732 $ \pmbd@C=.5\pmbd@C
1733 $ \kern\pmbd@C
1734 $ \advance\pmbd@C-\pmbd@W
1735 $ \pmbd@Rule{-\pmbd@C}\pmbd@A\pmbd@B
1736 $ }%
1737 $ \kern.5\pmbd@C
1738 $ \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
1739 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
1740 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
1741 & \rlap{%
1742 & \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1743 & }%
1744 & \rlap{%
1745 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
1746 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
1747 & \kern\pmbd@C
1748 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}%
1749 & \pmbd@A{\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
1750 & }%
1751 & \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
1752 & \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
1753 \pmbd@EndBox

```

1754 }

### 2.9.48 U+2537

BOX DRAWINGS UP LIGHT AND HORIZONTAL HEAVY

`\pmbd@U+2537`

```
1755 \@namedef{pmbd@U+2537}{%
1756 \pmbd@BeginDraw XX%
1757 $ \pmbd@A=\pmbd@H
1758 $ \advance\pmbd@A\pmbd@Thick
1759 $ \pmbd@A=.5\pmbd@A
1760 $ \pmbd@B=-\pmbd@A
1761 $ \advance\pmbd@B\pmbd@Thick
1762 $ \pmbd@C=\pmbd@W
1763 $ \advance\pmbd@C-\pmbd@Thin
1764 $ \rlap{%
1765 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1766 $ }%
1767 $ \kern.5\pmbd@C
1768 $ \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
1769 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
1770 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
1771 & \rlap{%
1772 & \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1773 & }%
1774 & \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
1775 & \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
1776 \pmbd@EndBox
1777 }
```

### 2.9.49 U+2538

BOX DRAWINGS UP HEAVY AND HORIZONTAL LIGHT

`\pmbd@U+2538`

```
1778 \@namedef{pmbd@U+2538}{%
1779 \pmbd@BeginDraw XX%
1780 $ \pmbd@A=\pmbd@H
1781 $ \advance\pmbd@A\pmbd@Thin
1782 $ \pmbd@A=.5\pmbd@A
1783 $ \pmbd@B=-\pmbd@A
1784 $ \advance\pmbd@B\pmbd@Thin
1785 $ \pmbd@C=\pmbd@W
1786 $ \advance\pmbd@C-\pmbd@Thick
1787 $ \rlap{%
1788 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1789 $ }%
1790 $ \kern.5\pmbd@C
1791 $ \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
1792 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
1793 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
1794 & \rlap{%
1795 & \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1796 & }%
1797 & \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
1798 & \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
1799 \pmbd@EndBox
1800 }
```

### 2.9.50 U+2539

BOX DRAWINGS RIGHT LIGHT AND LEFT UP HEAVY

\pmbd@U+2539

```
1801 \@namedef{pmbd@U+2539}{%
1802 \pmbd@BeginDraw XX%
1803 $ \pmbd@A=\pmbd@H
1804 $ \advance\pmbd@A\pmbd@Thick
1805 $ \pmbd@A=.5\pmbd@A
1806 $ \pmbd@B=-\pmbd@A
1807 $ \advance\pmbd@B\pmbd@Thick
1808 $ \pmbd@C=\pmbd@W
1809 $ \advance\pmbd@C\pmbd@Thick
1810 $ \pmbd@C=.5\pmbd@C
1811 $ \rlap{%
1812 $ \pmbd@A=\pmbd@H
1813 $ \advance\pmbd@A\pmbd@Thin
1814 $ \pmbd@A=.5\pmbd@A
1815 $ \pmbd@B=-\pmbd@A
1816 $ \advance\pmbd@B\pmbd@Thin
1817 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1818 $ }%
1819 $ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
1820 $ \kern-\pmbd@Thick
1821 $ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
1822 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
1823 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
1824 & \rlap{%
1825 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
1826 & \pmbd@Rule\pmbd@W\pmbd@A
1827 & {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
1828 & }%
1829 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
1830 & \pmbd@A\pmbd@B
1831 & \kern-\pmbd@Thick
1832 & \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
1833 \pmbd@EndBox
1834 }
```

### 2.9.51 U+253A

BOX DRAWINGS LEFT LIGHT AND RIGHT UP HEAVY

\pmbd@U+253A

```
1835 \@namedef{pmbd@U+253A}{%
1836 \pmbd@BeginDraw XX%
1837 $ \pmbd@A=\pmbd@H
1838 $ \advance\pmbd@A\pmbd@Thick
1839 $ \pmbd@A=.5\pmbd@A
1840 $ \pmbd@B=-\pmbd@A
1841 $ \advance\pmbd@B\pmbd@Thick
1842 $ \pmbd@C=\pmbd@W
1843 $ \advance\pmbd@C-\pmbd@Thick
1844 $ \pmbd@C=.5\pmbd@C
1845 $ \pmbd@D=\pmbd@W
1846 $ \advance\pmbd@D-\pmbd@C
1847 $ \rlap{%
1848 $ \pmbd@A=\pmbd@H
1849 $ \advance\pmbd@A\pmbd@Thin
1850 $ \pmbd@A=.5\pmbd@A
1851 $ \pmbd@B=-\pmbd@A
1852 $ \advance\pmbd@B\pmbd@Thin
1853 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1854 $ }%
1855 $ \kern\pmbd@C
```



```

1856 $ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
1857 $ \kern-\pmbd@Thick
1858 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
1859 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
1860 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
1861 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thick\relax
1862 & \rlap{%
1863 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
1864 & \pmbd@Rule\pmbd@W\pmbd@A
1865 & {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
1866 & }%
1867 & \kern\pmbd@C
1868 & \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
1869 & \kern-\pmbd@Thin
1870 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A\pmbd@B
1871 \pmbd@EndBox
1872 }

```

### 2.9.52 U+253B

#### BOX DRAWINGS HEAVY UP AND HORIZONTAL

\pmbd@U+253B

```

1873 \@namedef{pmbd@U+253B}{%
1874 \pmbd@BeginDraw -X%
1875 $ \pmbd@A=\pmbd@H
1876 $ \advance\pmbd@A\pmbd@Thick
1877 $ \pmbd@A=.5\pmbd@A
1878 $ \pmbd@B=-\pmbd@A
1879 $ \advance\pmbd@B\pmbd@Thick
1880 $ \pmbd@C=\pmbd@W
1881 $ \advance\pmbd@C-\pmbd@Thick
1882 $ \rlap{%
1883 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1884 $ }%
1885 $ \kern.5\pmbd@C
1886 $ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
1887 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
1888 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
1889 & \rlap{%
1890 & \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1891 & }%
1892 & \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
1893 & \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
1894 \pmbd@EndBox
1895 }

```

### 2.9.53 U+253C

#### BOX DRAWINGS LIGHT VERTICAL AND HORIZONTAL

\textSFv

```

1896 \pmbd@UniDef\textSFv{253C}

```

\pmbd@U+253C

```

1897 \@namedef{pmbd@U+253C}{%
1898 \pmbd@BeginDraw X-%
1899 $ \pmbd@A=\pmbd@H
1900 $ \advance\pmbd@A\pmbd@Thin
1901 $ \pmbd@A=.5\pmbd@A
1902 $ \pmbd@B=-\pmbd@A
1903 $ \advance\pmbd@B\pmbd@Thin

```

```

1904 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1905 & \dimen@=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
1906 & \pmbd@Rule\pmbd@W\dimen@{-\dimexpr\dimen@-\pmbd@Thin\relax}%
1907 \kern-\pmbd@W
1908 $ \pmbd@A=\pmbd@W
1909 $ \advance\pmbd@A-\pmbd@Thin
1910 $ \pmbd@A=.5\pmbd@A
1911 $ \kern\pmbd@A
1912 & \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
1913 \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1914 \pmbd@EndBox
1915 }

```

### 2.9.54 U+253D

BOX DRAWINGS LEFT HEAVY AND RIGHT VERTICAL LIGHT

\pmbd@U+253D

```

1916 \@namedef{pmbd@U+253D}{%
1917 \pmbd@BeginDraw XX%
1918 \rlap{%
1919 $ \pmbd@A=\pmbd@H
1920 $ \advance\pmbd@A\pmbd@Thick
1921 $ \pmbd@A=.5\pmbd@A
1922 $ \pmbd@B=-\pmbd@A
1923 $ \advance\pmbd@B\pmbd@Thick
1924 $ \pmbd@Rule{.5\pmbd@W}\pmbd@A\pmbd@B
1925 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
1926 & \pmbd@Rule{.5\pmbd@W}\pmbd@A
1927 & {\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
1928 }%
1929 $ \pmbd@A=\pmbd@H
1930 $ \advance\pmbd@A\pmbd@Thin
1931 $ \pmbd@A=.5\pmbd@A
1932 $ \pmbd@B=-\pmbd@A
1933 $ \advance\pmbd@B\pmbd@Thin
1934 $ \pmbd@C=\pmbd@W
1935 $ \advance\pmbd@C-\pmbd@Thin
1936 $ \pmbd@C=.5\pmbd@C
1937 $ \pmbd@D=\pmbd@W
1938 $ \advance\pmbd@D-\pmbd@C
1939 $ \kern\pmbd@C
1940 $ \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1941 $ \kern-\pmbd@Thin
1942 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
1943 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
1944 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
1945 & \kern\pmbd@C
1946 & \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1947 & \kern-\pmbd@Thin
1948 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A
1949 & {\dimexpr\pmbd@A-\pmbd@Thin\relax}%
1950 \pmbd@EndBox
1951 }

```

### 2.9.55 U+253E

BOX DRAWINGS RIGHT HEAVY AND LEFT VERTICAL LIGHT

\pmbd@U+253E

```

1952 \@namedef{pmbd@U+253E}{%
1953 \pmbd@BeginDraw XX%
1954 \rlap{%

```

```

1955 \kern.5\pmbd@W
1956 $ \pmbd@A=\pmbd@H
1957 $ \advance\pmbd@A\pmbd@Thick
1958 $ \pmbd@A=.5\pmbd@A
1959 $ \pmbd@B=-\pmbd@A
1960 $ \advance\pmbd@B\pmbd@Thick
1961 $ \pmbd@Rule{.5\pmbd@W}\pmbd@A\pmbd@B
1962 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
1963 & \pmbd@Rule{.5\pmbd@W}\pmbd@A
1964 & {\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
1965 }%
1966 $ \pmbd@A=\pmbd@H
1967 $ \advance\pmbd@A\pmbd@Thin
1968 $ \pmbd@A=.5\pmbd@A
1969 $ \pmbd@B=-\pmbd@A
1970 $ \advance\pmbd@B\pmbd@Thin
1971 $ \pmbd@C=\pmbd@W
1972 $ \advance\pmbd@C\pmbd@Thin
1973 $ \pmbd@Rule{.5\pmbd@C}\pmbd@A\pmbd@B
1974 $ \kern-\pmbd@Thin
1975 $ \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1976 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
1977 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
1978 & \pmbd@A{\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
1979 & \kern-\pmbd@Thin
1980 & \pmbd@Rule\pmbd@Thin\pmbd@H\z@
1981 \pmbd@EndBox
1982 }

```

### 2.9.56 U+253F

BOX DRAWINGS RIGHT HEAVY AND LEFT VERTICAL LIGHT

\pmbd@U+253F

```

1983 \@namedef{pmbd@U+253F}{%
1984 \pmbd@BeginDraw XX%
1985 $ \pmbd@A=\pmbd@H
1986 $ \advance\pmbd@A\pmbd@Thick
1987 $ \pmbd@A=.5\pmbd@A
1988 $ \pmbd@B=-\pmbd@A
1989 $ \advance\pmbd@B\pmbd@Thick
1990 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
1991 & \dimen@=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
1992 & \pmbd@Rule\pmbd@W\dimen@{-\dimexpr\dimen@\pmbd@Thick\relax}%
1993 \kern-\pmbd@W
1994 $ \pmbd@A=\pmbd@W
1995 $ \advance\pmbd@A-\pmbd@Thin
1996 $ \pmbd@A=.5\pmbd@A
1997 $ \kern\pmbd@A
1998 & \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
1999 \pmbd@Rule\pmbd@Thin\pmbd@H\z@
2000 \pmbd@EndBox
2001 }

```

### 2.9.57 U+2540

BOX DRAWINGS UP HEAVY AND DOWN HORIZONTAL LIGHT

\pmbd@U+2540

```

2002 \@namedef{pmbd@U+2540}{%
2003 \pmbd@BeginDraw XX%
2004 \rlap{%
2005 $ \pmbd@C=\pmbd@W

```

```

2006 $ \advance\pmbd@C-\pmbd@Thick
2007 $ \kern.5\pmbd@C
2008 & \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
2009 \pmbd@Rule\pmbd@Thick\pmbd@H{-.5\pmbd@H}%
2010 }%
2011 $ \pmbd@A=\pmbd@H
2012 $ \advance\pmbd@A\pmbd@Thin
2013 $ \pmbd@A=.5\pmbd@A
2014 $ \pmbd@B=-\pmbd@A
2015 $ \advance\pmbd@B\pmbd@Thin
2016 $ \pmbd@C=\pmbd@W
2017 $ \advance\pmbd@C-\pmbd@Thin
2018 $ \rlap{%
2019 $ \kern.5\pmbd@C
2020 $ \pmbd@Rule\pmbd@Thin\pmbd@A\z@
2021 $ }%
2022 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
2023 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
2024 & \rlap{%
2025 & \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
2026 & \pmbd@Rule\pmbd@Thin\pmbd@A\z@
2027 & }%
2028 & \pmbd@Rule\pmbd@W\pmbd@A
2029 & {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
2030 \pmbd@EndBox
2031 }

```

## 2.9.58 U+2541

### BOX DRAWINGS DOWN HEAVY AND UP HORIZONTAL LIGHT

\pmbd@U+2541

```

2032 \@namedef{pmbd@U+2541}{%
2033 \pmbd@BeginDraw XX%
2034 \rlap{%
2035 $ \pmbd@C=\pmbd@W
2036 $ \advance\pmbd@C-\pmbd@Thick
2037 $ \kern.5\pmbd@C
2038 & \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
2039 \pmbd@Rule\pmbd@Thick{.5\pmbd@H}\z@
2040 }%
2041 $ \pmbd@A=\pmbd@H
2042 $ \advance\pmbd@A\pmbd@Thin
2043 $ \pmbd@A=.5\pmbd@A
2044 $ \pmbd@B=-\pmbd@A
2045 $ \advance\pmbd@B\pmbd@Thin
2046 $ \pmbd@C=\pmbd@W
2047 $ \advance\pmbd@C-\pmbd@Thin
2048 $ \rlap{%
2049 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
2050 $ }%
2051 $ \kern.5\pmbd@C
2052 $ \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
2053 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
2054 & \pmbd@B=-\dimexpr-\pmbd@A+\pmbd@Thin\relax
2055 & \rlap{%
2056 & \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
2057 & }%
2058 & \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
2059 & \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
2060 \pmbd@EndBox
2061 }

```

## 2.9.59 U+2542

### BOX DRAWINGS VERTICAL HEAVY AND HORIZONTAL LIGHT

`\pmbd@U+2542`

```
2062 \@namedef{pmbd@U+2542}{%
2063 \pmbd@BeginDraw XX%
2064 $ \pmbd@A=\pmbd@H
2065 $ \advance\pmbd@A\pmbd@Thin
2066 $ \pmbd@A=.5\pmbd@A
2067 $ \pmbd@B=-\pmbd@A
2068 $ \advance\pmbd@B\pmbd@Thin
2069 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
2070 & \dimen@=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
2071 & \pmbd@Rule\pmbd@W\dimen@{-\dimexpr\dimen@-\pmbd@Thin\relax}%
2072 \kern-\pmbd@W
2073 $ \pmbd@A=\pmbd@W
2074 $ \advance\pmbd@A-\pmbd@Thick
2075 $ \pmbd@A=.5\pmbd@A
2076 & \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
2077 \pmbd@Rule\pmbd@Thick\pmbd@H\z@
2078 \pmbd@EndBox
2079 }
```

## 2.9.60 U+2543

### BOX DRAWINGS LEFT UP HEAVY AND RIGHT DOWN LIGHT

`\pmbd@U+2543`

```
2080 \@namedef{pmbd@U+2543}{%
2081 \pmbd@BeginDraw XX%
2082 \rlap{%
2083 $ \pmbd@A=\pmbd@H
2084 $ \advance\pmbd@A\pmbd@Thin
2085 $ \pmbd@A=.5\pmbd@A
2086 $ \pmbd@B=-\pmbd@A
2087 $ \advance\pmbd@B\pmbd@Thin
2088 $ \pmbd@C=\pmbd@W
2089 $ \advance\pmbd@C-\pmbd@Thin
2090 $ \pmbd@C=.5\pmbd@C
2091 $ \pmbd@D=\pmbd@W
2092 $ \advance\pmbd@D-\pmbd@C
2093 $ \kern\pmbd@C
2094 $ \pmbd@Rule\pmbd@Thin\pmbd@A\z@
2095 $ \kern-\pmbd@Thin
2096 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
2097 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
2098 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
2099 & \kern\pmbd@C
2100 & \pmbd@Rule\pmbd@Thin\pmbd@A\z@
2101 & \kern-\pmbd@Thin
2102 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}%
2103 & \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thin\relax}%
2104 }%
2105 $ \pmbd@A=\pmbd@H
2106 $ \advance\pmbd@A\pmbd@Thick
2107 $ \pmbd@A=.5\pmbd@A
2108 $ \pmbd@B=-\pmbd@A
2109 $ \advance\pmbd@B\pmbd@Thick
2110 $ \pmbd@C=\pmbd@W
2111 $ \advance\pmbd@C\pmbd@Thick
2112 $ \pmbd@C=.5\pmbd@C
2113 $ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
```

```

2114 $ \kern-\pmbd@Thick
2115 $ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
2116 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
2117 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
2118 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
2119 & \pmbd@A\pmbd@B
2120 & \kern-\pmbd@Thick
2121 & \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
2122 \pmbd@EndBox
2123 }

```

### 2.9.61 U+2544

#### BOX DRAWINGS RIGHT UP HEAVY AND LEFT DOWN LIGHT

\pmbd@U+2544

```

2124 \@namedef{pmbd@U+2544}{%
2125 \pmbd@BeginDraw XX%
2126 \rlap{%
2127 $ \pmbd@A=\pmbd@H
2128 $ \advance\pmbd@A\pmbd@Thin
2129 $ \pmbd@A=.5\pmbd@A
2130 $ \pmbd@B=-\pmbd@A
2131 $ \advance\pmbd@B\pmbd@Thin
2132 $ \pmbd@C=\pmbd@W
2133 $ \advance\pmbd@C\pmbd@Thin
2134 $ \pmbd@C=.5\pmbd@C
2135 $ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
2136 $ \kern-\pmbd@Thin
2137 $ \pmbd@Rule\pmbd@Thin\pmbd@A\z@
2138 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
2139 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
2140 & \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thin\relax}%
2141 & \kern-\pmbd@Thin
2142 & \pmbd@Rule\pmbd@Thin\pmbd@A\z@
2143 }%
2144 $ \pmbd@A=\pmbd@H
2145 $ \advance\pmbd@A\pmbd@Thick
2146 $ \pmbd@A=.5\pmbd@A
2147 $ \pmbd@B=-\pmbd@A
2148 $ \advance\pmbd@B\pmbd@Thick
2149 $ \pmbd@C=\pmbd@W
2150 $ \advance\pmbd@C-\pmbd@Thick
2151 $ \pmbd@C=.5\pmbd@C
2152 $ \pmbd@D=\pmbd@W
2153 $ \advance\pmbd@D-\pmbd@C
2154 $ \kern\pmbd@C
2155 $ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
2156 $ \kern-\pmbd@Thick
2157 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
2158 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
2159 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
2160 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thick\relax
2161 & \kern\pmbd@C
2162 & \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
2163 & \kern-\pmbd@Thick
2164 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A\pmbd@B
2165 \pmbd@EndBox
2166 }

```

### 2.9.62 U+2545

#### BOX DRAWINGS LEFT DOWN HEAVY AND RIGHT UP LIGHT

\pmbd@U+2545

```
2167 \@namedef{pmbd@U+2545}{%
2168 \pmbd@BeginDraw XX%
2169 \rlap{%
2170 $ \pmbd@A=\pmbd@H
2171 $ \advance\pmbd@A\pmbd@Thin
2172 $ \pmbd@A=.5\pmbd@A
2173 $ \pmbd@B=-\pmbd@A
2174 $ \advance\pmbd@B\pmbd@Thin
2175 $ \pmbd@C=\pmbd@W
2176 $ \advance\pmbd@C-\pmbd@Thin
2177 $ \pmbd@C=.5\pmbd@C
2178 $ \pmbd@D=\pmbd@W
2179 $ \advance\pmbd@D-\pmbd@C
2180 $ \kern\pmbd@C
2181 $ \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
2182 $ \kern-\pmbd@Thin
2183 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
2184 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
2185 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
2186 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thin\relax
2187 & \kern\pmbd@C
2188 & \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
2189 & \kern-\pmbd@Thin
2190 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A\pmbd@B
2191 }%
2192 $ \pmbd@A=\pmbd@H
2193 $ \advance\pmbd@A\pmbd@Thick
2194 $ \pmbd@A=.5\pmbd@A
2195 $ \pmbd@B=-\pmbd@A
2196 $ \advance\pmbd@B\pmbd@Thick
2197 $ \pmbd@C=\pmbd@W
2198 $ \advance\pmbd@C\pmbd@Thick
2199 $ \pmbd@C=.5\pmbd@C
2200 $ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
2201 $ \kern-\pmbd@Thick
2202 $ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
2203 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
2204 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
2205 & \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
2206 & \kern-\pmbd@Thick
2207 & \pmbd@Rule\pmbd@Thick\pmbd@A\z@
2208 \pmbd@EndBox
2209 }
```

### 2.9.63 U+2546

BOX DRAWINGS RIGHT DOWN HEAVY AND LEFT UP LIGHT

\pmbd@U+2546

```
2210 \@namedef{pmbd@U+2546}{%
2211 \pmbd@BeginDraw XX%
2212 \rlap{%
2213 $ \pmbd@A=\pmbd@H
2214 $ \advance\pmbd@A\pmbd@Thin
2215 $ \pmbd@A=.5\pmbd@A
2216 $ \pmbd@B=-\pmbd@A
2217 $ \advance\pmbd@B\pmbd@Thin
2218 $ \pmbd@C=\pmbd@W
2219 $ \advance\pmbd@C\pmbd@Thin
2220 $ \pmbd@C=.5\pmbd@C
2221 $ \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
```

```

2222 $ \kern-\pmbd@Thin
2223 $ \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
2224 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
2225 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thin\relax
2226 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thin\relax}%
2227 & \pmbd@A\pmbd@B
2228 & \kern-\pmbd@Thin
2229 & \pmbd@Rule\pmbd@Thin\pmbd@H\pmbd@B
2230 }%
2231 $ \pmbd@A=\pmbd@H
2232 $ \advance\pmbd@A\pmbd@Thick
2233 $ \pmbd@A=.5\pmbd@A
2234 $ \pmbd@B=-\pmbd@A
2235 $ \advance\pmbd@B\pmbd@Thick
2236 $ \pmbd@C=\pmbd@W
2237 $ \advance\pmbd@C-\pmbd@Thick
2238 $ \pmbd@C=.5\pmbd@C
2239 $ \pmbd@D=\pmbd@W
2240 $ \advance\pmbd@D-\pmbd@C
2241 $ \kern\pmbd@C
2242 $ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
2243 $ \kern-\pmbd@Thick
2244 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
2245 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
2246 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thick\relax
2247 & \kern\pmbd@C
2248 & \pmbd@Rule\pmbd@Thick\pmbd@A\z@
2249 & \kern-\pmbd@Thick
2250 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}%
2251 & \pmbd@A{-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
2252 \pmbd@EndBox
2253 }

```

## 2.9.64 U+2547

BOX DRAWINGS DOWN LIGHT AND UP HORIZONTAL HEAVY

`\pmbd@U+2547`

```

2254 \@namedef{pmbd@U+2547}{%
2255 \pmbd@BeginDraw XX%
2256 \rlap{%
2257 $ \pmbd@A=\pmbd@W
2258 $ \advance\pmbd@A-\pmbd@Thin
2259 $ \pmbd@A=.5\pmbd@A
2260 $ \kern\pmbd@A
2261 & \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
2262 \pmbd@Rule\pmbd@Thin\pmbd@H\z@
2263 }%
2264 $ \pmbd@A=\pmbd@H
2265 $ \advance\pmbd@A\pmbd@Thick
2266 $ \pmbd@A=.5\pmbd@A
2267 $ \pmbd@B=-\pmbd@A
2268 $ \advance\pmbd@B\pmbd@Thick
2269 $ \pmbd@C=\pmbd@W
2270 $ \advance\pmbd@C-\pmbd@Thick
2271 $ \rlap{%
2272 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
2273 $ }%
2274 $ \kern.5\pmbd@C
2275 $ \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
2276 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
2277 & \pmbd@B=\dimexpr-\pmbd@A+\pmbd@Thick\relax
2278 & \rlap{%

```



```

2279 & \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
2280 & }%
2281 & \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
2282 & \pmbd@Rule\pmbd@Thick\pmbd@H\pmbd@B
2283 \pmbd@EndBox
2284 }

```

### 2.9.65 U+2548

BOX DRAWINGS UP LIGHT AND DOWN HORIZONTAL HEAVY

\pmbd@U+2548

```

2285 \@namedef{pmbd@U+2548}{%
2286 \pmbd@BeginDraw XX%
2287 \rlap{%
2288 $ \pmbd@A=\pmbd@W
2289 $ \advance\pmbd@A-\pmbd@Thin
2290 $ \pmbd@A=.5\pmbd@A
2291 $ \kern\pmbd@A
2292 & \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
2293 \pmbd@Rule\pmbd@Thin\pmbd@H\z@
2294 }%
2295 $ \pmbd@A=\pmbd@H
2296 $ \advance\pmbd@A\pmbd@Thick
2297 $ \pmbd@A=.5\pmbd@A
2298 $ \pmbd@B=-\pmbd@A
2299 $ \advance\pmbd@B\pmbd@Thick
2300 $ \pmbd@C=\pmbd@W
2301 $ \advance\pmbd@C-\pmbd@Thick
2302 $ \rlap{%
2303 $ \kern.5\pmbd@C
2304 $ \pmbd@Rule\pmbd@Thick\pmbd@A\z@
2305 $ }%
2306 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
2307 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
2308 & \rlap{%
2309 & \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
2310 & \pmbd@Rule\pmbd@Thick\pmbd@A\z@
2311 & }%
2312 & \pmbd@Rule\pmbd@W\pmbd@A
2313 & {\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
2314 \pmbd@EndBox
2315 }

```

### 2.9.66 U+2549

BOX DRAWINGS RIGHT LIGHT AND LEFT VERTICAL HEAVY

\pmbd@U+2549

```

2316 \@namedef{pmbd@U+2549}{%
2317 \pmbd@BeginDraw XX%
2318 \rlap{%
2319 $ \pmbd@A=\pmbd@H
2320 $ \advance\pmbd@A\pmbd@Thin
2321 $ \pmbd@A=.5\pmbd@A
2322 $ \pmbd@B=-\pmbd@A
2323 $ \advance\pmbd@B\pmbd@Thin
2324 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
2325 & \dimen@=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
2326 & \pmbd@Rule\pmbd@W\dimen@{-\dimexpr\dimen@-\pmbd@Thin\relax}
2327 }%
2328 $ \pmbd@A=\pmbd@H
2329 $ \advance\pmbd@A\pmbd@Thick

```

```

2330 $ \pmbd@A=.5\pmbd@A
2331 $ \pmbd@B=-\pmbd@A
2332 $ \advance\pmbd@B\pmbd@Thick
2333 $ \pmbd@C=\pmbd@W
2334 $ \advance\pmbd@C\pmbd@Thick
2335 $ \pmbd@Rule{.5\pmbd@C}\pmbd@A\pmbd@B
2336 $ \kern-\pmbd@Thick
2337 $ \pmbd@Rule\pmbd@Thick\pmbd@H\z@
2338 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
2339 & \pmbd@Rule{.5\dimexpr\pmbd@W+\pmbd@Thick\relax}%
2340 & \pmbd@A{\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
2341 & \kern-\pmbd@Thick
2342 & \pmbd@Rule\pmbd@Thick\pmbd@H\z@
2343 \pmbd@EndBox
2344 }

```

### 2.9.67 U+254A

#### BOX DRAWINGS LEFT LIGHT AND RIGHT VERTICAL HEAVY

`\pmbd@U+254A`

```

2345 \@namedef{pmbd@U+254A}{%
2346 \pmbd@BeginDraw XX%
2347 \rlap{%
2348 $ \pmbd@A=\pmbd@H
2349 $ \advance\pmbd@A\pmbd@Thin
2350 $ \pmbd@A=.5\pmbd@A
2351 $ \pmbd@B=-\pmbd@A
2352 $ \advance\pmbd@B\pmbd@Thin
2353 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
2354 & \dimen@=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
2355 & \pmbd@Rule\pmbd@W\dimen@{-\dimexpr\dimen@-\pmbd@Thin\relax}
2356 }%
2357 $ \pmbd@A=\pmbd@H
2358 $ \advance\pmbd@A\pmbd@Thick
2359 $ \pmbd@A=.5\pmbd@A
2360 $ \pmbd@B=-\pmbd@A
2361 $ \advance\pmbd@B\pmbd@Thick
2362 $ \pmbd@C=\pmbd@W
2363 $ \advance\pmbd@C-\pmbd@Thick
2364 $ \pmbd@C=.5\pmbd@C
2365 $ \pmbd@D=\pmbd@W
2366 $ \advance\pmbd@D-\pmbd@C
2367 $ \kern\pmbd@C
2368 $ \pmbd@Rule\pmbd@Thick\pmbd@H\z@
2369 $ \kern-\pmbd@Thick
2370 $ \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
2371 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
2372 & \pmbd@C=.5\dimexpr\pmbd@W-\pmbd@Thick\relax
2373 & \kern\pmbd@C
2374 & \pmbd@Rule\pmbd@Thick\pmbd@H\z@
2375 & \kern-\pmbd@Thick
2376 & \pmbd@Rule{\dimexpr\pmbd@W-\pmbd@C\relax}\pmbd@A
2377 & {-\dimexpr\pmbd@A-\pmbd@Thick\relax}%
2378 \pmbd@EndBox
2379 }

```

### 2.9.68 U+254B

#### BOX DRAWINGS HEAVY VERTICAL AND HORIZONTAL

`\pmbd@U+254B`

```

2380 \@namedef{pmbd@U+254B}{%

```

```

2381 \pmbd@BeginDraw -X%
2382 $ \pmbd@A=\pmbd@H
2383 $ \advance\pmbd@A\pmbd@Thick
2384 $ \pmbd@A=.5\pmbd@A
2385 $ \pmbd@B=-\pmbd@A
2386 $ \advance\pmbd@B\pmbd@Thick
2387 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
2388 & \dimen@=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
2389 & \pmbd@Rule\pmbd@W\dimen@{-\dimexpr\dimen@-\pmbd@Thick\relax}%
2390 \kern-\pmbd@W
2391 $ \pmbd@A=\pmbd@W
2392 $ \advance\pmbd@A-\pmbd@Thick
2393 $ \pmbd@A=.5\pmbd@A
2394 $ \kern\pmbd@A
2395 & \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
2396 \pmbd@Rule\pmbd@Thick\pmbd@H\z@
2397 \pmbd@EndBox
2398 }

```

## 2.10 Box drawing, double lines

\pmbd@BeginDouble

```

2399 \def\pmbd@BeginDouble{%
2400 \pmbd@BeginDraw X-%
2401 \pmbd@SetLength\pmbd@Sep\pmbd@BoxDrawing/doublelinesep%
2402 }

```

\pmbd@beginB

```

2403 \def\pmbd@beginB{%
2404 \pmbd@beginA
2405 \setlength{\dimen@}{\pmbd@doublerulesep}%
2406 \edef\pmbd@doublesepH{\number\dimen@ sp}%
2407 }

```

\pmbd@beginC

```

2408 \def\pmbd@beginC{%
2409 \pmbd@beginB
2410 \advance\dimen@\pmbd@rulewidth
2411 \edef\pmbd@doublesepV{\number\dimen@ sp}%
2412 }

```

### 2.10.1 U+2550

BOX DRAWINGS DOUBLE HORIZONTAL

\textSFxlili

```

2413 \pmbd@UniDef\textSFxlili{2550}

```

\pmbd@U+2550

```

2414 \@namedef{pmbd@U+2550}{%
2415 \pmbd@BeginDouble
2416 $ \pmbd@A=\pmbd@H
2417 $ \advance\pmbd@A-\pmbd@Sep
2418 $ \pmbd@A=.5\pmbd@A
2419 & \pmbd@A=.5\dimexpr\pmbd@H-\pmbd@Sep\relax
2420 $ \pmbd@B=-\pmbd@A
2421 $ \advance\pmbd@B\pmbd@Thin
2422 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
2423 & \pmbd@Rule\pmbd@W\pmbd@A
2424 & {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
2425 \kern-\pmbd@W
2426 $ \advance\pmbd@A\pmbd@Sep

```

```

2427 $ \advance\pmbd@A\pmbd@Thin
2428 $ \advance\pmbd@B-\pmbd@Sep
2429 $ \advance\pmbd@B-\pmbd@Thin
2430 & \pmbd@A=\dimexpr\pmbd@A+\pmbd@Sep+\pmbd@Thin\relax
2431 $ \pmbd@Rule\pmbd@W\pmbd@A\pmbd@B
2432 & \pmbd@Rule\pmbd@W\pmbd@A
2433 & {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
2434 \pmbd@EndBox
2435 }

```

### 2.10.2 U+2551

#### BOX DRAWINGS DOUBLE VERTICAL

\textSFxxiv

```
2436 \pmbd@UniDef\textSFxxiv{2551}
```

\pmbd@U+2551

```

2437 \@namedef{pmbd@U+2551}{%
2438 \pmbd@BeginDouble
2439 $ \pmbd@A=\pmbd@W
2440 $ \advance\pmbd@A-\pmbd@Sep
2441 $ \pmbd@A=.5\pmbd@A
2442 $ \advance\pmbd@A-.5\pmbd@Thin
2443 $ \kern\pmbd@A
2444 & \kern\dimexpr.5\dimexpr\pmbd@W-\pmbd@Sep\relax-\pmbd@Thin\relax
2445 \pmbd@Rule\pmbd@Thin\pmbd@H\z@
2446 \kern\pmbd@Sep
2447 \pmbd@Rule\pmbd@Thin\pmbd@H\z@
2448 \pmbd@EndBox
2449 }

```

### 2.10.3 U+2552

#### BOX DRAWINGS DOWN SINGLE AND RIGHT DOUBLE

\textSFli

```
2450 \pmbd@UniDef\textSFli{2552}
```

\pmbd@U+2552

```

2451 \@namedef{pmbd@U+2552}{%
2452 \pmbd@BeginDouble
2453 \pmbd@C=\pmbd@W
2454 \advance\pmbd@C-\pmbd@Thin
2455 \pmbd@C=.5\pmbd@C
2456 \kern\pmbd@C
2457 \pmbd@A=\pmbd@H
2458 \advance\pmbd@A\pmbd@Sep
2459 \pmbd@A=.5\pmbd@A
2460 \advance\pmbd@A\pmbd@Thin
2461 \pmbd@Rule\pmbd@Thin\pmbd@A\z@
2462 \kern-\pmbd@Thin
2463 \pmbd@D=\pmbd@W
2464 \advance\pmbd@D-\pmbd@C
2465 \pmbd@B=-\pmbd@A
2466 \advance\pmbd@B\pmbd@Thin
2467 \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
2468 \kern-\pmbd@D
2469 \advance\pmbd@A-\pmbd@Sep
2470 \advance\pmbd@A-\pmbd@Thin
2471 \advance\pmbd@B\pmbd@Sep
2472 \advance\pmbd@B\pmbd@Thin

```

```

2473 \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
2474 \pmbd@EndBox
2475 }

```

#### 2.10.4 U+2553

##### BOX DRAWINGS DOWN DOUBLE AND RIGHT SINGLE

\textSFlii

```
2476 \pmbd@UniDef\textSFlii{2553}
```

\pmbd@U+2553

```

2477 \@namedef{pmbd@U+2553}{%
2478 \pmbd@BeginDouble
2479 \pmbd@C=\pmbd@W
2480 \advance\pmbd@C-\pmbd@Sep
2481 \pmbd@C=.5\pmbd@C
2482 \advance\pmbd@C-\pmbd@Thin
2483 \kern\pmbd@C
2484 \pmbd@D=\pmbd@W
2485 \advance\pmbd@D-\pmbd@C
2486 \pmbd@A=\pmbd@H
2487 \advance\pmbd@A\pmbd@Thin
2488 \pmbd@A=.5\pmbd@A
2489 \pmbd@B=-\pmbd@A
2490 \advance\pmbd@B\pmbd@Thin
2491 \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
2492 \kern-\pmbd@D
2493 \pmbd@Rule\pmbd@Thin\pmbd@A\z@
2494 \kern\pmbd@Sep
2495 \pmbd@Rule\pmbd@Thin\pmbd@A\z@
2496 \pmbd@EndBox
2497 }

```

#### 2.10.5 U+2554

##### BOX DRAWINGS DOUBLE DOWN AND RIGHT

\textSFxxxix

```
2498 \pmbd@UniDef\textSFxxxix{2554}
```

\pmbd@U+2554

```

2499 \@namedef{pmbd@U+2554}{%
2500 \pmbd@BeginDouble
2501 \pmbd@C=\pmbd@W
2502 \advance\pmbd@C-\pmbd@Sep
2503 \pmbd@C=.5\pmbd@C
2504 \advance\pmbd@C-\pmbd@Thin
2505 \kern\pmbd@C
2506 \pmbd@A=\pmbd@H
2507 \advance\pmbd@A\pmbd@Sep
2508 \pmbd@A=.5\pmbd@A
2509 \advance\pmbd@A\pmbd@Thin
2510 \pmbd@B=-\pmbd@A
2511 \advance\pmbd@B\pmbd@Thin
2512 \pmbd@D=\pmbd@W
2513 \advance\pmbd@D-\pmbd@C
2514 \pmbd@Rule\pmbd@Thin\pmbd@A\z@
2515 \kern-\pmbd@Thin
2516 \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
2517 \advance\pmbd@D-\pmbd@Sep
2518 \advance\pmbd@D-\pmbd@Thin

```

```

2519 \kern-\pmbd@D
2520 \advance\pmbd@A-\pmbd@Sep
2521 \advance\pmbd@A-\pmbd@Thin
2522 \advance\pmbd@B\pmbd@Sep
2523 \advance\pmbd@B\pmbd@Thin
2524 \pmbd@Rule\pmbd@Thin\pmbd@A\z@
2525 \kern-\pmbd@Thin
2526 \pmbd@Rule\pmbd@D\pmbd@A\pmbd@B
2527 \pmbd@EndBox
2528 }

```

### 2.10.6 U+2555

#### BOX DRAWINGS DOWN SINGLE AND LEFT DOUBLE

\textSFxxii

```
2529 \pmbd@UniDef\textSFxxii{2555}
```

\pmbd@U+2555

```

2530 \@namedef{pmbd@U+2555}{%
2531 \pmbd@BeginDouble
2532 \pmbd@A=\pmbd@H
2533 \advance\pmbd@A-\pmbd@Sep
2534 \pmbd@A=.5\pmbd@A
2535 \pmbd@B=-\pmbd@A
2536 \advance\pmbd@B\pmbd@Thin
2537 \pmbd@C=\pmbd@W
2538 \advance\pmbd@C\pmbd@Thin
2539 \pmbd@C=.5\pmbd@C
2540 \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
2541 \kern-\pmbd@C
2542 \advance\pmbd@A\pmbd@Sep
2543 \advance\pmbd@A\pmbd@Thin
2544 \advance\pmbd@B-\pmbd@Sep
2545 \advance\pmbd@B-\pmbd@Thin
2546 \pmbd@Rule\pmbd@C\pmbd@A\pmbd@B
2547 \kern-\pmbd@Thin
2548 \pmbd@Rule\pmbd@Thin\pmbd@A\z@
2549 \pmbd@EndBox
2550 }

```

### 2.10.7 U+2556

#### BOX DRAWINGS DOWN DOUBLE AND LEFT SINGLE

\textSFxxi

```
2551 \pmbd@UniDef\textSFxxi{2556}
```

\pmbd@U+2556

```

2552 \@namedef{pmbd@U+2556}{%
2553 \pmbd@beginB
2554 \dimen@ \ht\z@
2555 \advance\dimen@-\dp\z@
2556 \dimen@ \tw@\dimen@
2557 \advance\dimen@\pmbd@rulewidth
2558 \advance\dimen@\tw@-\pmbd@rulewidth
2559 \rlap{%
2560 \dimen4 \wd\z@
2561 \advance\dimen4 \pmbd@doublesepH
2562 \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen@\tw@
2563 }%
2564 \hss

```

```

2565 \vrule\@width\pmbd@rulewidth\@height.5\dimen@
2566 \kern\pmbd@doublesepH
2567 \vrule\@width\pmbd@rulewidth\@height.5\dimen@
2568 \hss
2569 \pmbd@end
2570 }

```

### 2.10.8 U+2557

BOX DRAWINGS DOUBLE DOWN AND LEFT

\textSFxxv

```
2571 \pmbd@UniDef\textSFxxv{2557}
```

\pmbd@U+2557

```

2572 \@namedef{pmbd@U+2557}{%
2573 \pmbd@beginC
2574 \dimen@ \ht \z@
2575 \advance\dimen@-\dp \z@
2576 \dimen \tw@ \dimen@
2577 \advance\dimen@\pmbd@rulewidth
2578 \advance\dimen \tw@-\pmbd@rulewidth
2579 \dimen4 \wd \z@
2580 \begingroup
2581 \advance\dimen@\pmbd@doublesepV
2582 \advance\dimen \tw@\pmbd@doublesepV
2583 \advance\dimen4 \pmbd@doublesepH
2584 \rlap{%
2585 \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen \tw@
2586 }%
2587 \rlap{%
2588 \hb@xt@\wd \z@{%
2589 \hss
2590 \kern\pmbd@rulewidth
2591 \kern\pmbd@doublesepH
2592 \vrule\@width\pmbd@rulewidth\@height.5\dimen@\@depth\dp \z@
2593 \hss
2594 }%
2595 }%
2596 \endgroup
2597 \advance\dimen@-\pmbd@doublesepV
2598 \advance\dimen \tw@-\pmbd@doublesepV
2599 \advance\dimen4 -\pmbd@doublesepH
2600 \rlap{%
2601 \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen \tw@
2602 }%
2603 \hss
2604 \vrule\@width\pmbd@rulewidth\@height.5\dimen@
2605 \kern\pmbd@doublesepH
2606 \kern\pmbd@rulewidth
2607 \hss
2608 \pmbd@end
2609 }

```

### 2.10.9 U+2558

BOX DRAWINGS UP SINGLE AND RIGHT DOUBLE

\textSF1

```
2610 \pmbd@UniDef\textSF1{2558}
```

\pmbd@U+2558

```

2611 \@namedef{pmbd@U+2558}{%
2612 \pmbd@beginC
2613 \dimen@ht\z@
2614 \advance\dimen@-\dp\z@
2615 \dimen\tw@\dimen@
2616 \advance\dimen@\pmbd@rulewidth
2617 \advance\dimen\tw@-\pmbd@rulewidth
2618 \rlap{%
2619 \advance\dimen@\pmbd@doublesepV
2620 \advance\dimen\tw@\pmbd@doublesepV
2621 \kern.5\wd\z@
2622 \vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
2623 }%
2624 \advance\dimen@-\pmbd@doublesepV
2625 \advance\dimen\tw@-\pmbd@doublesepV
2626 \rlap{%
2627 \kern.5\wd\z@
2628 \vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
2629 }%
2630 \hss
2631 \vrule\@width\pmbd@rulewidth\@depth-.5\dimen\tw@
2632 \hss
2633 \pmbd@end
2634 }

```

#### 2.10.10 U+2559

##### BOX DRAWINGS UP DOUBLE AND RIGHT SINGLE

\textSFxlix

```
2635 \pmbd@UniDef\textSFxlix{2559}
```

\pmbd@U+2559

```

2636 \@namedef{pmbd@U+2559}{%
2637 \pmbd@beginB
2638 \dimen@ht\z@
2639 \advance\dimen@-\dp\z@
2640 \dimen\tw@\dimen@
2641 \advance\dimen@\pmbd@rulewidth
2642 \advance\dimen\tw@-\pmbd@rulewidth
2643 \rlap{%
2644 \dimen4 \wd\z@
2645 \advance\dimen4 \pmbd@doublesepH
2646 \hb@xt@\wd\z@{%
2647 \hfill
2648 \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
2649 }%
2650 }%
2651 \hss
2652 \vrule\@width\pmbd@rulewidth\@depth-.5\dimen\tw@
2653 \kern\pmbd@doublesepH
2654 \vrule\@width\pmbd@rulewidth\@depth-.5\dimen\tw@
2655 \hss
2656 \pmbd@end
2657 }

```

#### 2.10.11 U+255A

##### BOX DRAWINGS DOUBLE UP AND RIGHT

\textSFxxxviii

```
2658 \pmbd@UniDef\textSFxxxviii{255A}
```



\pmbd@U+255A

```
2659 \@namedef{pmbd@U+255A}{%
2660 \pmbd@beginC
2661 \dimen@ \ht \z@
2662 \advance \dimen@ - \dp \z@
2663 \dimen \tw@ \dimen@
2664 \advance \dimen@ \pmbd@rulewidth
2665 \advance \dimen \tw@ - \pmbd@rulewidth
2666 \dimen4 \wd \z@
2667 \begingroup
2668 \advance \dimen@ \pmbd@doublesepV
2669 \advance \dimen \tw@ \pmbd@doublesepV
2670 \advance \dimen4 - \pmbd@doublesepH
2671 \rlap{%
2672 \hb@xt@ \wd \z@ {%
2673 \hss
2674 \vrule \@width .5 \dimen4 \@height .5 \dimen@ \@depth -.5 \dimen \tw@
2675 }%
2676 }%
2677 \rlap{%
2678 \hb@xt@ \wd \z@ {%
2679 \hss
2680 \kern \pmbd@rulewidth
2681 \kern \pmbd@doublesepH
2682 \vrule \@width \pmbd@rulewidth \@height \ht \z@ \@depth -.5 \dimen \tw@
2683 \hss
2684 }%
2685 }%
2686 \endgroup
2687 \advance \dimen@ - \pmbd@doublesepV
2688 \advance \dimen \tw@ - \pmbd@doublesepV
2689 \advance \dimen4 \pmbd@doublesepH
2690 \rlap{%
2691 \hb@xt@ \wd \z@ {%
2692 \hss
2693 \vrule \@width .5 \dimen4 \@height .5 \dimen@ \@depth -.5 \dimen \tw@
2694 }%
2695 }%
2696 \hss
2697 \vrule \@width \pmbd@rulewidth \@depth -.5 \dimen \tw@
2698 \kern \pmbd@doublesepH
2699 \kern \pmbd@rulewidth
2700 \hss
2701 \pmbd@end
2702 }
```

### 2.10.12 U+255B

BOX DRAWINGS UP SINGLE AND LEFT DOUBLE

\textSFxxviii

```
2703 \pmbd@UniDef\textSFxxviii{255B}
```

\pmbd@U+255B

```
2704 \@namedef{pmbd@U+255B}{%
2705 \pmbd@beginC
2706 \dimen@ \ht \z@
2707 \advance \dimen@ - \dp \z@
2708 \dimen \tw@ \dimen@
2709 \advance \dimen@ \pmbd@rulewidth
2710 \advance \dimen \tw@ - \pmbd@rulewidth
2711 \rlap{%
```

```

2712 \advance\dimen@\pmbd@doublesepV
2713 \advance\dimen\tw@\pmbd@doublesepV
2714 \vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
2715 }%
2716 \advance\dimen@-\pmbd@doublesepV
2717 \advance\dimen\tw@-\pmbd@doublesepV
2718 \rlap{%
2719 \vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
2720 }%
2721 \hss
2722 \vrule\@width\pmbd@rulewidth\@depth-.5\dimen\tw@
2723 \hss
2724 \pmbd@end
2725 }

```

### 2.10.13 U+255C

#### BOX DRAWINGS UP DOUBLE AND LEFT SINGLE

\textSFxxvii

```
2726 \pmbd@UniDef\textSFxxvii{255C}
```

\pmbd@U+255C

```

2727 \@namedef{pmbd@U+255C}{%
2728 \pmbd@beginB
2729 \dimen@\ht\z@
2730 \advance\dimen@-\dp\z@
2731 \dimen\tw@\dimen@
2732 \advance\dimen@\pmbd@rulewidth
2733 \advance\dimen\tw@-\pmbd@rulewidth
2734 \rlap{%
2735 \dimen4 \wd\z@
2736 \advance\dimen4 \pmbd@doublesepH
2737 \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
2738 }%
2739 \hss
2740 \vrule\@width\pmbd@rulewidth\@depth-.5\dimen\tw@
2741 \kern\pmbd@doublesepH
2742 \vrule\@width\pmbd@rulewidth\@depth-.5\dimen\tw@
2743 \hss
2744 \pmbd@end
2745 }

```

### 2.10.14 U+255D

#### BOX DRAWINGS DOUBLE UP AND LEFT

\textSFxxvi

```
2746 \pmbd@UniDef\textSFxxvi{255D}
```

\pmbd@U+255D

```

2747 \@namedef{pmbd@U+255D}{%
2748 \pmbd@beginC
2749 \dimen@\ht\z@
2750 \advance\dimen@-\dp\z@
2751 \dimen\tw@\dimen@
2752 \advance\dimen@\pmbd@rulewidth
2753 \advance\dimen\tw@-\pmbd@rulewidth
2754 \dimen4 \wd\z@
2755 \begingroup
2756 \advance\dimen@\pmbd@doublesepV
2757 \advance\dimen\tw@\pmbd@doublesepV

```

```

2758 \advance\dimen4 -\pmbd@doublesepH
2759 \rlap{%
2760 \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
2761 }%
2762 \rlap{%
2763 \hb@xt@\wd\z@{%
2764 \hss
2765 \vrule\@width\pmbd@rulewidth\@height\ht\z@\@depth-.5\dimen\tw@
2766 \kern\pmbd@doublesepH
2767 \kern\pmbd@rulewidth
2768 \hss
2769 }%
2770 }%
2771 \endgroup
2772 \advance\dimen@-\pmbd@doublesepV
2773 \advance\dimen\tw@-\pmbd@doublesepV
2774 \advance\dimen4 \pmbd@doublesepH
2775 \rlap{%
2776 \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
2777 }%
2778 \hss
2779 \kern\pmbd@rulewidth
2780 \kern\pmbd@doublesepH
2781 \vrule\@width\pmbd@rulewidth\@depth-.5\dimen\tw@
2782 \hss
2783 \pmbd@end
2784 }

```

## 2.10.15 U+255E

### BOX DRAWINGS VERTICAL SINGLE AND RIGHT DOUBLE

\textSFxxxvi

```
2785 \pmbd@UniDef\textSFxxxvi{255E}
```

\pmbd@U+255E

```

2786 \@namedef{pmbd@U+255E}{%
2787 \pmbd@beginC
2788 \dimen@\ht\z@
2789 \advance\dimen@-\dp\z@
2790 \dimen\tw@\dimen@
2791 \advance\dimen@\pmbd@rulewidth
2792 \advance\dimen\tw@-\pmbd@rulewidth
2793 \rlap{%
2794 \kern.5\wd\z@
2795 \advance\dimen@\pmbd@doublesepV
2796 \advance\dimen\tw@\pmbd@doublesepV
2797 \vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
2798 }%
2799 \rlap{%
2800 \kern.5\wd\z@
2801 \advance\dimen@-\pmbd@doublesepV
2802 \advance\dimen\tw@-\pmbd@doublesepV
2803 \vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
2804 }%
2805 \hss
2806 \vrule\@width\pmbd@rulewidth
2807 \hss
2808 \pmbd@end
2809 }

```

## 2.10.16 U+255F

### BOX DRAWINGS VERTICAL DOUBLE AND RIGHT SINGLE

\textSFxxxvii

2810 \pmbd@UniDef\textSFxxxvii{255F}

\pmbd@U+255F

```
2811 \@namedef{pmbd@U+255F}{%
2812 \pmbd@beginB
2813 \dimen@ \ht \z@
2814 \advance \dimen@ - \dp \z@
2815 \dimen \tw@ \dimen@
2816 \advance \dimen@ \pmbd@rulewidth
2817 \advance \dimen \tw@ - \pmbd@rulewidth
2818 \rlap{%
2819 \dimen4 \wd \z@
2820 \advance \dimen4 - \pmbd@doublesepH
2821 \hb@xt@ \wd \z@ {%
2822 \hfill
2823 \vrule \@width .5 \dimen4 \@height .5 \dimen@ \@depth -.5 \dimen \tw@
2824 }%
2825 }%
2826 \hss
2827 \vrule \@width \pmbd@rulewidth
2828 \kern \pmbd@doublesepH
2829 \vrule \@width \pmbd@rulewidth
2830 \hss
2831 \pmbd@end
2832 }
```

## 2.10.17 U+2560

### BOX DRAWINGS DOUBLE VERTICAL AND RIGHT

\textSFxlii

2833 \pmbd@UniDef\textSFxlii{2560}

\pmbd@U+2560

```
2834 \@namedef{pmbd@U+2560}{%
2835 \pmbd@beginC
2836 \dimen@ \ht \z@
2837 \advance \dimen@ - \dp \z@
2838 \dimen \tw@ \dimen@
2839 \advance \dimen@ \pmbd@rulewidth
2840 \advance \dimen \tw@ - \pmbd@rulewidth
2841 \dimen4 \wd \z@
2842 \advance \dimen4 - \pmbd@doublesepH
2843 \begingroup
2844 \advance \dimen@ \pmbd@doublesepV
2845 \advance \dimen \tw@ \pmbd@doublesepV
2846 \rlap{%
2847 \hb@xt@ \wd \z@ {%
2848 \hss
2849 \vrule \@width .5 \dimen4 \@height .5 \dimen@ \@depth -.5 \dimen \tw@
2850 }%
2851 }%
2852 \rlap{%
2853 \hb@xt@ \wd \z@ {%
2854 \hss
2855 \kern \pmbd@rulewidth
2856 \kern \pmbd@doublesepH
2857 \vrule \@width \pmbd@rulewidth \@height \ht \z@ \@depth -.5 \dimen \tw@
```

```

2858     \hss
2859     }%
2860     }%
2861     \endgroup
2862     \advance\dimen@-\pmbd@doublesepV
2863     \advance\dimen\tw@-\pmbd@doublesepV
2864     \rlap{%
2865       \hb@xt@\wd\z@{%
2866         \hss
2867         \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
2868       }%
2869     }%
2870     \hss
2871     \vrule\@width\pmbd@rulewidth
2872     \kern\pmbd@doublesepH
2873     \vrule\@width\pmbd@rulewidth\@height.5\dimen@
2874     \hss
2875     \pmbd@end
2876   }

```

### 2.10.18 U+2561

#### BOX DRAWINGS VERTICAL SINGLE AND LEFT DOUBLE

```

\textSFxix
2877 \pmbd@UniDef\textSFxix{2561}

\pmbd@U+2561
2878 \@namedef{pmbd@U+2561}{%
2879   \pmbd@beginC
2880   \dimen@\ht\z@
2881   \advance\dimen@-\dp\z@
2882   \dimen\tw@\dimen@
2883   \advance\dimen@\pmbd@rulewidth
2884   \advance\dimen\tw@-\pmbd@rulewidth
2885   \rlap{%
2886     \advance\dimen@\pmbd@doublesepV
2887     \advance\dimen\tw@\pmbd@doublesepV
2888     \vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
2889   }%
2890   \rlap{%
2891     \advance\dimen@-\pmbd@doublesepV
2892     \advance\dimen\tw@-\pmbd@doublesepV
2893     \vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
2894   }%
2895   \hss
2896   \vrule\@width\pmbd@rulewidth
2897   \hss
2898   \pmbd@end
2899 }

```

### 2.10.19 U+2562

#### BOX DRAWINGS VERTICAL DOUBLE AND LEFT SINGLE

```

\textSFxx
2900 \pmbd@UniDef\textSFxx{2562}

\pmbd@U+2562
2901 \@namedef{pmbd@U+2562}{%
2902   \pmbd@beginB
2903   \dimen@\ht\z@

```

```

2904 \advance\dimen@-\dp\z@
2905 \dimen\tw@\dimen@
2906 \advance\dimen@\pmbd@rulewidth
2907 \advance\dimen\tw@-\pmbd@rulewidth
2908 \rlap{%
2909 \dimen4 \wd\z@
2910 \advance\dimen4 -\pmbd@doublesepH
2911 \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
2912 }%
2913 \hss
2914 \vrule\@width\pmbd@rulewidth
2915 \kern\pmbd@doublesepH
2916 \vrule\@width\pmbd@rulewidth
2917 \hss
2918 \pmbd@end
2919 }

```

## 2.10.20 U+2563

BOX DRAWINGS DOUBLE VERTICAL AND LEFT

\textSFxxiii

```
2920 \pmbd@UniDef\textSFxxiii{2563}
```

\pmbd@U+2563

```

2921 \@namedef{pmbd@U+2563}{%
2922 \pmbd@beginC
2923 \dimen@ht\z@
2924 \advance\dimen@-\dp\z@
2925 \dimen\tw@\dimen@
2926 \advance\dimen@\pmbd@rulewidth
2927 \advance\dimen\tw@-\pmbd@rulewidth
2928 \dimen4 \wd\z@
2929 \advance\dimen4 -\pmbd@doublesepH
2930 \begingroup
2931 \advance\dimen@\pmbd@doublesepV
2932 \advance\dimen\tw@\pmbd@doublesepV
2933 \rlap{%
2934 \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
2935 }%
2936 \rlap{%
2937 \hb@xt@\wd\z@{%
2938 \hss
2939 \vrule\@width\pmbd@rulewidth\@heightht\z@\@depth-.5\dimen\tw@
2940 \kern\pmbd@doublesepH
2941 \kern\pmbd@rulewidth
2942 \hss
2943 }%
2944 }%
2945 \endgroup
2946 \advance\dimen@-\pmbd@doublesepV
2947 \advance\dimen\tw@-\pmbd@doublesepV
2948 \rlap{%
2949 \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
2950 }%
2951 \hss
2952 \vrule\@width\pmbd@rulewidth\@height.5\dimen@
2953 \kern\pmbd@doublesepH
2954 \vrule\@width\pmbd@rulewidth
2955 \hss
2956 \pmbd@end
2957 }

```

### 2.10.21 U+2564

#### BOX DRAWINGS DOWN SINGLE AND HORIZONTAL DOUBLE

\textSFxlvi

2958 \pmbd@UniDef\textSFxlvi{2564}

\pmbd@U+2564

```
2959 \@namedef{pmbd@U+2564}{%
2960 \pmbd@beginC
2961 \dimen@ \ht \z@
2962 \advance \dimen@ - \dp \z@
2963 \dimen \tw@ \dimen@
2964 \advance \dimen@ \pmbd@rulewidth
2965 \advance \dimen \tw@ - \pmbd@rulewidth
2966 \rlap{%
2967 \advance \dimen@ \pmbd@doublesepV
2968 \advance \dimen \tw@ \pmbd@doublesepV
2969 \vrule \@width \wd \z@ \@height .5 \dimen@ \@depth -.5 \dimen \tw@
2970 }%
2971 \advance \dimen@ - \pmbd@doublesepV
2972 \advance \dimen \tw@ - \pmbd@doublesepV
2973 \rlap{%
2974 \vrule \@width \wd \z@ \@height .5 \dimen@ \@depth -.5 \dimen \tw@
2975 }%
2976 \hss
2977 \vrule \@width \pmbd@rulewidth \@height .5 \dimen@
2978 \hss
2979 \pmbd@end
2980 }
```

### 2.10.22 U+2565

#### BOX DRAWINGS DOWN DOUBLE AND HORIZONTAL SINGLE

\textSFxlviii

2981 \pmbd@UniDef\textSFxlviii{2565}

\pmbd@U+2565

```
2982 \@namedef{pmbd@U+2565}{%
2983 \pmbd@beginB
2984 \dimen@ \ht \z@
2985 \advance \dimen@ - \dp \z@
2986 \dimen \tw@ \dimen@
2987 \advance \dimen@ \pmbd@rulewidth
2988 \advance \dimen \tw@ - \pmbd@rulewidth
2989 \rlap{%
2990 \vrule \@width \wd \z@ \@height .5 \dimen@ \@depth -.5 \dimen \tw@
2991 }%
2992 \hss
2993 \vrule \@width \pmbd@rulewidth \@height .5 \dimen@
2994 \kern \pmbd@doublesepH
2995 \vrule \@width \pmbd@rulewidth \@height .5 \dimen@
2996 \hss
2997 \pmbd@end
2998 }
```

### 2.10.23 U+2566

#### BOX DRAWINGS DOUBLE DOWN AND HORIZONTAL

\textSFxli

2999 \pmbd@UniDef\textSFxli{2566}

\pmbd@U+2566

```
3000 \@namedef{pmbd@U+2566}{%
3001 \pmbd@beginC
3002 \dimen@ht\z@
3003 \advance\dimen@-\dp\z@
3004 \dimen\tw@\dimen@
3005 \advance\dimen@\pmbd@rulewidth
3006 \advance\dimen\tw@-\pmbd@rulewidth
3007 \dimen4 \wd\z@
3008 \advance\dimen4 -\pmbd@doublesepH
3009 \rlap{%
3010 \advance\dimen@\pmbd@doublesepV
3011 \advance\dimen\tw@\pmbd@doublesepV
3012 \vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
3013 }%
3014 \advance\dimen@-\pmbd@doublesepV
3015 \advance\dimen\tw@-\pmbd@doublesepV
3016 \rlap{%
3017 \hb@xt@\wd\z@{%
3018 \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
3019 \hss
3020 \vrule\@width.5\dimen4 \@height.5\dimen@\@depth-.5\dimen\tw@
3021 }%
3022 }%
3023 \hss
3024 \vrule\@width\pmbd@rulewidth\@height.5\dimen@
3025 \kern\pmbd@doublesepH
3026 \vrule\@width\pmbd@rulewidth\@height.5\dimen@
3027 \hss
3028 \pmbd@end
3029 }
```

## 2.10.24 U+2567

BOX DRAWINGS UP SINGLE AND HORIZONTAL DOUBLE

\textSFxlV

```
3030 \pmbd@UniDef\textSFxlV{2567}
```

\pmbd@U+2567

```
3031 \@namedef{pmbd@U+2567}{%
3032 \pmbd@beginC
3033 \dimen@ht\z@
3034 \advance\dimen@-\dp\z@
3035 \dimen\tw@\dimen@
3036 \advance\dimen@\pmbd@rulewidth
3037 \advance\dimen\tw@-\pmbd@rulewidth
3038 \rlap{%
3039 \advance\dimen@-\pmbd@doublesepV
3040 \advance\dimen\tw@-\pmbd@doublesepV
3041 \vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
3042 }%
3043 \advance\dimen@\pmbd@doublesepV
3044 \advance\dimen\tw@\pmbd@doublesepV
3045 \rlap{%
3046 \vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
3047 }%
3048 \hss
3049 \vrule\@width\pmbd@rulewidth\@depth-.5\dimen\tw@
3050 \hss
3051 \pmbd@end
3052 }
```



## 2.10.25 U+2568

### BOX DRAWINGS UP DOUBLE AND HORIZONTAL SINGLE

\textSFxlvi

3053 \pmbd@UniDef\textSFxlvi{2568}

\pmbd@U+2568

```
3054 \@namedef{pmbd@U+2568}{%
3055 \pmbd@beginB
3056 \dimen@ \ht \z@
3057 \advance \dimen@ - \dp \z@
3058 \dimen@ \tw@ \dimen@
3059 \advance \dimen@ \pmbd@rulewidth
3060 \advance \dimen@ \tw@ - \pmbd@rulewidth
3061 \rlap{%
3062 \vrule \@width \wd \z@ \@height .5 \dimen@ \@depth -.5 \dimen@ \tw@
3063 }%
3064 \hss
3065 \vrule \@width \pmbd@rulewidth \@depth -.5 \dimen@ \tw@
3066 \kern \pmbd@doublesepH
3067 \vrule \@width \pmbd@rulewidth \@depth -.5 \dimen@ \tw@
3068 \hss
3069 \pmbd@end
3070 }
```

## 2.10.26 U+2569

### BOX DRAWINGS DOUBLE UP AND HORIZONTAL

\textSFxl

3071 \pmbd@UniDef\textSFxl{2569}

\pmbd@U+2569

```
3072 \@namedef{pmbd@U+2569}{%
3073 \pmbd@beginC
3074 \dimen@ \ht \z@
3075 \advance \dimen@ - \dp \z@
3076 \dimen@ \tw@ \dimen@
3077 \advance \dimen@ \pmbd@rulewidth
3078 \advance \dimen@ \tw@ - \pmbd@rulewidth
3079 \dimen4 \wd \z@
3080 \advance \dimen4 - \pmbd@doublesepH
3081 \begingroup
3082 \advance \dimen@ \pmbd@doublesepV
3083 \advance \dimen@ \tw@ \pmbd@doublesepV
3084 \rlap{%
3085 \hb@xt@ \wd \z@ {%
3086 \vrule \@width .5 \dimen4 \@height .5 \dimen@ \@depth -.5 \dimen@ \tw@
3087 \hss
3088 \vrule \@width .5 \dimen4 \@height .5 \dimen@ \@depth -.5 \dimen@ \tw@
3089 }%
3090 }%
3091 \rlap{%
3092 \hb@xt@ \wd \z@ {%
3093 \hss
3094 \vrule \@width \pmbd@rulewidth \@height \ht \z@ \@depth -.5 \dimen@ \tw@
3095 \kern \pmbd@doublesepH
3096 \vrule \@width \pmbd@rulewidth \@height \ht \z@ \@depth -.5 \dimen@ \tw@
3097 \hss
3098 }%
3099 }%
3100 \endgroup
```

```

3101 \advance\dimen@-\pmbd@doublesepV
3102 \advance\dimen\tw@-\pmbd@doublesepV
3103 \vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
3104 \pmbd@end
3105 }

```

## 2.10.27 U+256A

BOX DRAWINGS VERTICAL SINGLE AND HORIZONTAL DOUBLE

\textSFliv

```
3106 \pmbd@UniDef\textSFliv{256A}
```

\pmbd@U+256A

```

3107 \@namedef{pmbd@U+256A}{%
3108 \pmbd@beginC
3109 \dimen@\ht\z@
3110 \advance\dimen@-\dp\z@
3111 \dimen\tw@\dimen@
3112 \advance\dimen@\pmbd@rulewidth
3113 \advance\dimen\tw@-\pmbd@rulewidth
3114 \rlap{%
3115 \advance\dimen@\pmbd@doublesepV
3116 \advance\dimen\tw@\pmbd@doublesepV
3117 \vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
3118 }%
3119 \rlap{%
3120 \advance\dimen@-\pmbd@doublesepV
3121 \advance\dimen\tw@-\pmbd@doublesepV
3122 \vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
3123 }%
3124 \hss
3125 \vrule\@width\pmbd@rulewidth
3126 \hss
3127 \pmbd@end
3128 }

```

## 2.10.28 U+256B

BOX DRAWINGS VERTICAL DOUBLE AND HORIZONTAL SINGLE

\textSFliii

```
3129 \pmbd@UniDef\textSFliii{256B}
```

\pmbd@U+256B

```

3130 \@namedef{pmbd@U+256B}{%
3131 \pmbd@beginB
3132 \dimen@\ht\z@
3133 \advance\dimen@-\dp\z@
3134 \dimen\tw@\dimen@
3135 \advance\dimen@\pmbd@rulewidth
3136 \advance\dimen\tw@-\pmbd@rulewidth
3137 \rlap{%
3138 \vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen\tw@
3139 }%
3140 \hss
3141 \vrule\@width\pmbd@rulewidth
3142 \kern\pmbd@doublesepH
3143 \vrule\@width\pmbd@rulewidth
3144 \hss
3145 \pmbd@end
3146 }

```

## 2.10.29 U+256C

### BOX DRAWINGS DOUBLE VERTICAL AND HORIZONTAL

\textSFxliv

3147 \pmbd@UniDef\textSFxliv{256C}

\pmbd@U+256C

```
3148 \@namedef{pmbd@U+256C}{%
3149 \pmbd@beginC
3150 \dimen@ \ht \z@
3151 \advance \dimen@ - \dp \z@
3152 \dimen \tw@ \dimen@
3153 \advance \dimen@ \pmbd@rulewidth
3154 \advance \dimen \tw@ - \pmbd@rulewidth
3155 \dimen4 \wd \z@
3156 \advance \dimen4 - \pmbd@doublesepH
3157 \begingroup
3158 \advance \dimen@ \pmbd@doublesepV
3159 \advance \dimen \tw@ \pmbd@doublesepV
3160 \rlap{%
3161 \hb@xt@ \wd \z@ {%
3162 \vrule \width .5 \dimen4 \height .5 \dimen@ \depth .5 \dimen \tw@
3163 \hss
3164 \vrule \width .5 \dimen4 \height .5 \dimen@ \depth .5 \dimen \tw@
3165 }%
3166 }%
3167 \rlap{%
3168 \hb@xt@ \wd \z@ {%
3169 \hss
3170 \vrule \width \pmbd@rulewidth \height \ht \z@ \depth .5 \dimen \tw@
3171 \kern \pmbd@doublesepH
3172 \vrule \width \pmbd@rulewidth \height \ht \z@ \depth .5 \dimen \tw@
3173 \hss
3174 }%
3175 }%
3176 \endgroup
3177 \advance \dimen@ - \pmbd@doublesepV
3178 \advance \dimen \tw@ - \pmbd@doublesepV
3179 \rlap{%
3180 \hb@xt@ \wd \z@ {%
3181 \vrule \width .5 \dimen4 \height .5 \dimen@ \depth .5 \dimen \tw@
3182 \hss
3183 \vrule \width .5 \dimen4 \height .5 \dimen@ \depth .5 \dimen \tw@
3184 }%
3185 }%
3186 \hss
3187 \vrule \width \pmbd@rulewidth \height .5 \dimen@
3188 \kern \pmbd@doublesepH
3189 \vrule \width \pmbd@rulewidth \height .5 \dimen@
3190 \hss
3191 \pmbd@end
3192 }
```

## 2.10.30 U+2574

### BOX DRAWINGS LIGHT LEFT

\pmbd@U+2574

```
3193 \@namedef{pmbd@U+2574}{%
3194 \pmbd@BeginDraw X-%
3195 $ \pmbd@A = \pmbd@H
3196 $ \advance \pmbd@A \pmbd@Thin
```

```

3197 $ \pmbd@A=.5\pmbd@A
3198 $ \pmbd@B=-\pmbd@A
3199 $ \advance\pmbd@B\pmbd@Thin
3200 $ \pmbd@Rule{.5\pmbd@W}\pmbd@A\pmbd@B
3201 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
3202 & \pmbd@Rule{.5\pmbd@W}\pmbd@A
3203 & {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
3204 \pmbd@EndBox
3205 }

```

### 2.10.31 U+2575

#### BOX DRAWINGS LIGHT UP

\pmbd@U+2575

```

3206 \@namedef{pmbd@U+2575}{%
3207 \pmbd@BeginDraw X-%
3208 $ \pmbd@C=\pmbd@W
3209 $ \advance\pmbd@C-\pmbd@Thin
3210 $ \kern.5\pmbd@C
3211 & \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
3212 \pmbd@Rule\pmbd@Thin\pmbd@H{-.5\pmbd@H}%
3213 \pmbd@EndBox
3214 }

```

### 2.10.32 U+2576

#### BOX DRAWINGS LIGHT RIGHT

\pmbd@U+2576

```

3215 \@namedef{pmbd@U+2576}{%
3216 \pmbd@BeginDraw X-%
3217 \kern.5\pmbd@W
3218 $ \pmbd@A=\pmbd@H
3219 $ \advance\pmbd@A\pmbd@Thin
3220 $ \pmbd@A=.5\pmbd@A
3221 $ \pmbd@B=-\pmbd@A
3222 $ \advance\pmbd@B\pmbd@Thin
3223 $ \pmbd@Rule{.5\pmbd@W}\pmbd@A\pmbd@B
3224 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
3225 & \pmbd@Rule{.5\pmbd@W}\pmbd@A
3226 & {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
3227 \pmbd@EndBox
3228 }

```

### 2.10.33 U+2577

#### BOX DRAWINGS LIGHT DOWN

\pmbd@U+2577

```

3229 \@namedef{pmbd@U+2577}{%
3230 \pmbd@BeginDraw X-%
3231 $ \pmbd@C=\pmbd@W
3232 $ \advance\pmbd@C-\pmbd@Thin
3233 $ \kern.5\pmbd@C
3234 & \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
3235 \pmbd@Rule\pmbd@Thin{.5\pmbd@H}\z@
3236 \pmbd@EndBox
3237 }

```

### 2.10.34 U+2578

#### BOX DRAWINGS HEAVY LEFT

`\pmbd@U+2578`

```
3238 \@namedef{pmbd@U+2578}{%
3239 \pmbd@BeginDraw -X%
3240 $ \pmbd@A=\pmbd@H
3241 $ \advance\pmbd@A\pmbd@Thick
3242 $ \pmbd@A=.5\pmbd@A
3243 $ \pmbd@B=-\pmbd@A
3244 $ \advance\pmbd@B\pmbd@Thick
3245 $ \pmbd@Rule{.5\pmbd@W}\pmbd@A\pmbd@B
3246 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
3247 & \pmbd@Rule{.5\pmbd@W}\pmbd@A
3248 & {\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
3249 \pmbd@EndBox
3250 }
```

### 2.10.35 U+2579

#### BOX DRAWINGS HEAVY UP

`\pmbd@U+2579`

```
3251 \@namedef{pmbd@U+2579}{%
3252 \pmbd@BeginDraw -X%
3253 $ \pmbd@C=\pmbd@W
3254 $ \advance\pmbd@C-\pmbd@Thick
3255 $ \kern.5\pmbd@C
3256 & \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
3257 \pmbd@Rule\pmbd@Thick\pmbd@H{-.5\pmbd@H}%
3258 \pmbd@EndBox
3259 }
```

### 2.10.36 U+257A

#### BOX DRAWINGS HEAVY RIGHT

`\pmbd@U+257A`

```
3260 \@namedef{pmbd@U+257A}{%
3261 \pmbd@BeginDraw -X%
3262 \kern.5\pmbd@W
3263 $ \pmbd@A=\pmbd@H
3264 $ \advance\pmbd@A\pmbd@Thick
3265 $ \pmbd@A=.5\pmbd@A
3266 $ \pmbd@B=-\pmbd@A
3267 $ \advance\pmbd@B\pmbd@Thick
3268 $ \pmbd@Rule{.5\pmbd@W}\pmbd@A\pmbd@B
3269 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
3270 & \pmbd@Rule{.5\pmbd@W}\pmbd@A
3271 & {\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
3272 \pmbd@EndBox
3273 }
```

### 2.10.37 U+257B

#### BOX DRAWINGS HEAVY DOWN

`\pmbd@U+257B`

```
3274 \@namedef{pmbd@U+257B}{%
3275 \pmbd@BeginDraw -X%
3276 $ \pmbd@C=\pmbd@W
3277 $ \advance\pmbd@C-\pmbd@Thick
```

```

3278 $ \kern.5\pmbd@C
3279 & \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
3280 \pmbd@Rule\pmbd@Thick{.5\pmbd@H}\z@
3281 \pmbd@EndBox
3282 }

```

### 2.10.38 U+257C

BOX DRAWINGS LIGHT LEFT AND HEAVY RIGHT

\pmbd@U+257C

```

3283 \@namedef{pmbd@U+257C}{%
3284 \pmbd@BeginDraw XX%
3285 $ \pmbd@A=\pmbd@H
3286 $ \advance\pmbd@A\pmbd@Thin
3287 $ \pmbd@A=.5\pmbd@A
3288 $ \pmbd@B=-\pmbd@A
3289 $ \advance\pmbd@B\pmbd@Thin
3290 $ \pmbd@Rule{.5\pmbd@W}\pmbd@A\pmbd@B
3291 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
3292 & \pmbd@Rule{.5\pmbd@W}\pmbd@A
3293 & {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
3294 $ \pmbd@A=\pmbd@H
3295 $ \advance\pmbd@A\pmbd@Thick
3296 $ \pmbd@A=.5\pmbd@A
3297 $ \pmbd@B=-\pmbd@A
3298 $ \advance\pmbd@B\pmbd@Thick
3299 $ \pmbd@Rule{.5\pmbd@W}\pmbd@A\pmbd@B
3300 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
3301 & \pmbd@Rule{.5\pmbd@W}\pmbd@A
3302 & {\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
3303 \pmbd@EndBox
3304 }

```

### 2.10.39 U+257D

BOX DRAWINGS LIGHT UP AND HEAVY DOWN

\pmbd@U+257D

```

3305 \@namedef{pmbd@U+257D}{%
3306 \pmbd@BeginDraw XX%
3307 \rlap{%
3308 $ \pmbd@C=\pmbd@W
3309 $ \advance\pmbd@C-\pmbd@Thin
3310 $ \kern.5\pmbd@C
3311 & \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
3312 \pmbd@Rule\pmbd@Thin\pmbd@H{-.5\pmbd@H}%
3313 }%
3314 $ \pmbd@C=\pmbd@W
3315 $ \advance\pmbd@C-\pmbd@Thick
3316 $ \kern.5\pmbd@C
3317 & \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
3318 \pmbd@Rule\pmbd@Thick{.5\pmbd@H}\z@
3319 \pmbd@EndBox
3320 }

```

### 2.10.40 U+257E

BOX DRAWINGS HEAVY LEFT AND LIGHT RIGHT

\pmbd@U+257E

```

3321 \@namedef{pmbd@U+257E}{%
3322 \pmbd@BeginDraw XX%

```

```

3323 $ \pmbd@A=\pmbd@H
3324 $ \advance\pmbd@A\pmbd@Thick
3325 $ \pmbd@A=.5\pmbd@A
3326 $ \pmbd@B=-\pmbd@A
3327 $ \advance\pmbd@B\pmbd@Thick
3328 $ \pmbd@Rule{.5\pmbd@W}\pmbd@A\pmbd@B
3329 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thick\relax
3330 & \pmbd@Rule{.5\pmbd@W}\pmbd@A
3331 & {\dimexpr-\pmbd@A+\pmbd@Thick\relax}%
3332 $ \pmbd@A=\pmbd@H
3333 $ \advance\pmbd@A\pmbd@Thin
3334 $ \pmbd@A=.5\pmbd@A
3335 $ \pmbd@B=-\pmbd@A
3336 $ \advance\pmbd@B\pmbd@Thin
3337 $ \pmbd@Rule{.5\pmbd@W}\pmbd@A\pmbd@B
3338 & \pmbd@A=.5\dimexpr\pmbd@H+\pmbd@Thin\relax
3339 & \pmbd@Rule{.5\pmbd@W}\pmbd@A
3340 & {\dimexpr-\pmbd@A+\pmbd@Thin\relax}%
3341 \pmbd@EndBox
3342 }

```

### 2.10.41 U+257F

#### BOX DRAWINGS HEAVY UP AND LIGHT DOWN

`\pmbd@U+257F`

```

3343 \@namedef{pmbd@U+257F}{%
3344 \pmbd@BeginDraw XX%
3345 \rlap{%
3346 $ \pmbd@C=\pmbd@W
3347 $ \advance\pmbd@C-\pmbd@Thick
3348 $ \kern.5\pmbd@C
3349 & \kern.5\dimexpr\pmbd@W-\pmbd@Thick\relax
3350 \pmbd@Rule\pmbd@Thick\pmbd@H{-.5\pmbd@H}%
3351 }%
3352 $ \pmbd@C=\pmbd@W
3353 $ \advance\pmbd@C-\pmbd@Thin
3354 $ \kern.5\pmbd@C
3355 & \kern.5\dimexpr\pmbd@W-\pmbd@Thin\relax
3356 \pmbd@Rule\pmbd@Thin{.5\pmbd@H}\z@
3357 \pmbd@EndBox
3358 }

```

### 2.11 Box drawing, light single lines

`\pmbd@beginA`

```

3359 \def\pmbd@beginA{%
3360 \pmbd@begin
3361 \def\width{\wd\z@}%
3362 \def\height{\ht\z@}%
3363 \def\depth{\dp\z@}%
3364 \setlength{\dimen@}{\pmbd@rulewidth}%
3365 \edef\pmbd@rulewidth{\number\dimen@ sp}%
3366 }

3367 \pmbd@AtEnd%
3368 </package>

```

### 2.12 Unicode support file

```

3369 <*utf8>
3370 \ProvidesFile{pmbboxdrawenc.dfu}%

```

3371 [2019/02/28 v1.3 UTF-8 support for box drawing characters]%  
3372 \DeclareUnicodeCharacter{2500}{\textSFx}  
3373 \DeclareUnicodeCharacter{2501}{\pmbboxdrawuni{2501}}  
3374 \DeclareUnicodeCharacter{2502}{\textSFxi}  
3375 \DeclareUnicodeCharacter{2503}{\pmbboxdrawuni{2503}}  
3376 \DeclareUnicodeCharacter{250C}{\textSFi}  
3377 \DeclareUnicodeCharacter{250D}{\pmbboxdrawuni{250D}}  
3378 \DeclareUnicodeCharacter{250E}{\pmbboxdrawuni{250E}}  
3379 \DeclareUnicodeCharacter{250F}{\pmbboxdrawuni{250F}}  
3380 \DeclareUnicodeCharacter{2510}{\textSFiii}  
3381 \DeclareUnicodeCharacter{2511}{\pmbboxdrawuni{2511}}  
3382 \DeclareUnicodeCharacter{2512}{\pmbboxdrawuni{2512}}  
3383 \DeclareUnicodeCharacter{2513}{\pmbboxdrawuni{2513}}  
3384 \DeclareUnicodeCharacter{2514}{\textSFii}  
3385 \DeclareUnicodeCharacter{2515}{\pmbboxdrawuni{2515}}  
3386 \DeclareUnicodeCharacter{2516}{\pmbboxdrawuni{2516}}  
3387 \DeclareUnicodeCharacter{2517}{\pmbboxdrawuni{2517}}  
3388 \DeclareUnicodeCharacter{2518}{\textSFiv}  
3389 \DeclareUnicodeCharacter{2519}{\pmbboxdrawuni{2519}}  
3390 \DeclareUnicodeCharacter{251A}{\pmbboxdrawuni{251A}}  
3391 \DeclareUnicodeCharacter{251B}{\pmbboxdrawuni{251B}}  
3392 \DeclareUnicodeCharacter{251C}{\textSFviii}  
3393 \DeclareUnicodeCharacter{251D}{\pmbboxdrawuni{251D}}  
3394 \DeclareUnicodeCharacter{251E}{\pmbboxdrawuni{251E}}  
3395 \DeclareUnicodeCharacter{251F}{\pmbboxdrawuni{251F}}  
3396 \DeclareUnicodeCharacter{2520}{\pmbboxdrawuni{2520}}  
3397 \DeclareUnicodeCharacter{2521}{\pmbboxdrawuni{2521}}  
3398 \DeclareUnicodeCharacter{2522}{\pmbboxdrawuni{2522}}  
3399 \DeclareUnicodeCharacter{2523}{\pmbboxdrawuni{2523}}  
3400 \DeclareUnicodeCharacter{2524}{\textSFix}  
3401 \DeclareUnicodeCharacter{252C}{\textSFvi}  
3402 \DeclareUnicodeCharacter{252D}{\pmbboxdrawuni{252D}}  
3403 \DeclareUnicodeCharacter{252E}{\pmbboxdrawuni{252E}}  
3404 \DeclareUnicodeCharacter{252F}{\pmbboxdrawuni{252F}}  
3405 \DeclareUnicodeCharacter{2530}{\pmbboxdrawuni{2530}}  
3406 \DeclareUnicodeCharacter{2531}{\pmbboxdrawuni{2531}}  
3407 \DeclareUnicodeCharacter{2532}{\pmbboxdrawuni{2532}}  
3408 \DeclareUnicodeCharacter{2533}{\pmbboxdrawuni{2533}}  
3409 \DeclareUnicodeCharacter{2534}{\textSFvii}  
3410 \DeclareUnicodeCharacter{2535}{\pmbboxdrawuni{2535}}  
3411 \DeclareUnicodeCharacter{2536}{\pmbboxdrawuni{2536}}  
3412 \DeclareUnicodeCharacter{2537}{\pmbboxdrawuni{2537}}  
3413 \DeclareUnicodeCharacter{2538}{\pmbboxdrawuni{2538}}  
3414 \DeclareUnicodeCharacter{2539}{\pmbboxdrawuni{2539}}  
3415 \DeclareUnicodeCharacter{253A}{\pmbboxdrawuni{253A}}  
3416 \DeclareUnicodeCharacter{253B}{\pmbboxdrawuni{253B}}  
3417 \DeclareUnicodeCharacter{253C}{\textSFv}  
3418 \DeclareUnicodeCharacter{253D}{\pmbboxdrawuni{253D}}  
3419 \DeclareUnicodeCharacter{253E}{\pmbboxdrawuni{253E}}  
3420 \DeclareUnicodeCharacter{253F}{\pmbboxdrawuni{253F}}  
3421 \DeclareUnicodeCharacter{2540}{\pmbboxdrawuni{2540}}  
3422 \DeclareUnicodeCharacter{2541}{\pmbboxdrawuni{2541}}  
3423 \DeclareUnicodeCharacter{2542}{\pmbboxdrawuni{2542}}  
3424 \DeclareUnicodeCharacter{2543}{\pmbboxdrawuni{2543}}  
3425 \DeclareUnicodeCharacter{2544}{\pmbboxdrawuni{2544}}  
3426 \DeclareUnicodeCharacter{2545}{\pmbboxdrawuni{2545}}  
3427 \DeclareUnicodeCharacter{2546}{\pmbboxdrawuni{2546}}  
3428 \DeclareUnicodeCharacter{2547}{\pmbboxdrawuni{2547}}  
3429 \DeclareUnicodeCharacter{2548}{\pmbboxdrawuni{2548}}  
3430 \DeclareUnicodeCharacter{2549}{\pmbboxdrawuni{2549}}  
3431 \DeclareUnicodeCharacter{254A}{\pmbboxdrawuni{254A}}  
3432 \DeclareUnicodeCharacter{254B}{\pmbboxdrawuni{254B}}



```

3433 \DeclareUnicodeCharacter{2550}{\textSFxlili}
3434 \DeclareUnicodeCharacter{2551}{\textSFxxiv}
3435 \DeclareUnicodeCharacter{2552}{\textSFli}
3436 \DeclareUnicodeCharacter{2553}{\textSFlii}
3437 \DeclareUnicodeCharacter{2554}{\textSFxxxix}
3438 \DeclareUnicodeCharacter{2555}{\textSFxxii}
3439 \DeclareUnicodeCharacter{2556}{\textSFxxi}
3440 \DeclareUnicodeCharacter{2557}{\textSFxxv}
3441 \DeclareUnicodeCharacter{2558}{\textSF1}
3442 \DeclareUnicodeCharacter{2559}{\textSFlix}
3443 \DeclareUnicodeCharacter{255A}{\textSFxxxviii}
3444 \DeclareUnicodeCharacter{255B}{\textSFxxviii}
3445 \DeclareUnicodeCharacter{255C}{\textSFxxvii}
3446 \DeclareUnicodeCharacter{255D}{\textSFxxvi}
3447 \DeclareUnicodeCharacter{255E}{\textSFxxxvi}
3448 \DeclareUnicodeCharacter{255F}{\textSFxxxvii}
3449 \DeclareUnicodeCharacter{2560}{\textSFxlii}
3450 \DeclareUnicodeCharacter{2561}{\textSFxix}
3451 \DeclareUnicodeCharacter{2562}{\textSFxx}
3452 \DeclareUnicodeCharacter{2563}{\textSFxxiii}
3453 \DeclareUnicodeCharacter{2564}{\textSFxlvi}
3454 \DeclareUnicodeCharacter{2565}{\textSFxlvi}
3455 \DeclareUnicodeCharacter{2566}{\textSFxli}
3456 \DeclareUnicodeCharacter{2567}{\textSFxlv}
3457 \DeclareUnicodeCharacter{2568}{\textSFxli}
3458 \DeclareUnicodeCharacter{2569}{\textSFxl}
3459 \DeclareUnicodeCharacter{256A}{\textSFliiv}
3460 \DeclareUnicodeCharacter{256B}{\textSFliii}
3461 \DeclareUnicodeCharacter{256C}{\textSFxliv}
3462 \DeclareUnicodeCharacter{2574}{\pmboxdrawuni{2574}}
3463 \DeclareUnicodeCharacter{2575}{\pmboxdrawuni{2575}}
3464 \DeclareUnicodeCharacter{2576}{\pmboxdrawuni{2576}}
3465 \DeclareUnicodeCharacter{2577}{\pmboxdrawuni{2577}}
3466 \DeclareUnicodeCharacter{2578}{\pmboxdrawuni{2578}}
3467 \DeclareUnicodeCharacter{2579}{\pmboxdrawuni{2579}}
3468 \DeclareUnicodeCharacter{257A}{\pmboxdrawuni{257A}}
3469 \DeclareUnicodeCharacter{257B}{\pmboxdrawuni{257B}}
3470 \DeclareUnicodeCharacter{257C}{\pmboxdrawuni{257C}}
3471 \DeclareUnicodeCharacter{257D}{\pmboxdrawuni{257D}}
3472 \DeclareUnicodeCharacter{257E}{\pmboxdrawuni{257E}}
3473 \DeclareUnicodeCharacter{257F}{\pmboxdrawuni{257F}}
3474 \DeclareUnicodeCharacter{2580}{\textupblock}
3475 \DeclareUnicodeCharacter{2581}{\pmboxdrawuni{2581}}
3476 \DeclareUnicodeCharacter{2582}{\pmboxdrawuni{2582}}
3477 \DeclareUnicodeCharacter{2583}{\pmboxdrawuni{2583}}
3478 \DeclareUnicodeCharacter{2584}{\textdnblock}
3479 \DeclareUnicodeCharacter{2585}{\pmboxdrawuni{2585}}
3480 \DeclareUnicodeCharacter{2586}{\pmboxdrawuni{2586}}
3481 \DeclareUnicodeCharacter{2587}{\pmboxdrawuni{2587}}
3482 \DeclareUnicodeCharacter{2588}{\textblock}
3483 \DeclareUnicodeCharacter{2589}{\pmboxdrawuni{2589}}
3484 \DeclareUnicodeCharacter{258A}{\pmboxdrawuni{258A}}
3485 \DeclareUnicodeCharacter{258B}{\pmboxdrawuni{258B}}
3486 \DeclareUnicodeCharacter{258C}{\textlfblock}
3487 \DeclareUnicodeCharacter{258D}{\pmboxdrawuni{258D}}
3488 \DeclareUnicodeCharacter{258E}{\pmboxdrawuni{258E}}
3489 \DeclareUnicodeCharacter{258F}{\pmboxdrawuni{258F}}
3490 \DeclareUnicodeCharacter{2590}{\textrtblock}
3491 \DeclareUnicodeCharacter{2591}{\textltshade}
3492 \DeclareUnicodeCharacter{2592}{\textshade}
3493 \DeclareUnicodeCharacter{2593}{\textdkshade}
3494 \DeclareUnicodeCharacter{2594}{\pmboxdrawuni{2594}}

```

```

3495 \DeclareUnicodeCharacter{2595}{\pmboxdrawuni{2595}}
3496 \DeclareUnicodeCharacter{2596}{\pmboxdrawuni{2596}}
3497 \DeclareUnicodeCharacter{2597}{\pmboxdrawuni{2597}}
3498 \DeclareUnicodeCharacter{2598}{\pmboxdrawuni{2598}}
3499 \DeclareUnicodeCharacter{2599}{\pmboxdrawuni{2599}}
3500 \DeclareUnicodeCharacter{259A}{\pmboxdrawuni{259A}}
3501 \DeclareUnicodeCharacter{259B}{\pmboxdrawuni{259B}}
3502 \DeclareUnicodeCharacter{259C}{\pmboxdrawuni{259C}}
3503 \DeclareUnicodeCharacter{259D}{\pmboxdrawuni{259D}}
3504 \DeclareUnicodeCharacter{259E}{\pmboxdrawuni{259E}}
3505 \DeclareUnicodeCharacter{259F}{\pmboxdrawuni{259F}}
3506 </utf8>

```

### 3 Test

```

3507 <*test1>
3508 \def\LoadCommand{\RequirePackage{pmboxdraw}[2019/02/28]}
3509 </test1>

```

#### 3.1 Catcode checks for loading

```

3510 <*test1>
3511 \catcode`\{=1 %
3512 \catcode`\}=2 %
3513 \catcode`\#=6 %
3514 \catcode`\@=11 %
3515 \expandafter\ifx\csname count@\endcsname\relax
3516   \countdef\count@=255 %
3517 \fi
3518 \expandafter\ifx\csname @gobble\endcsname\relax
3519   \long\def\@gobble#1{ }%
3520 \fi
3521 \expandafter\ifx\csname @firstofone\endcsname\relax
3522   \long\def\@firstofone#1{#1}%
3523 \fi
3524 \expandafter\ifx\csname loop\endcsname\relax
3525   \expandafter\@firstofone
3526 \else
3527   \expandafter\@gobble
3528 \fi
3529 {%
3530   \def\loop#1\repeat{%
3531     \def\body{#1}%
3532     \iterate
3533   }%
3534   \def\iterate{%
3535     \body
3536     \let\next\iterate
3537   \else
3538     \let\next\relax
3539   \fi
3540   \next
3541 }%
3542 \let\repeat=\fi
3543 }%
3544 \def\RestoreCatcodes{
3545 \count@=0 %
3546 \loop
3547 \edef\RestoreCatcodes{%
3548   \RestoreCatcodes
3549   \catcode\the\count@=\the\catcode\count@\relax
3550 }%
3551 \ifnum\count@<255 %

```

```

3552 \advance\count@ 1 %
3553 \repeat
3554
3555 \def\RangeCatcodeInvalid#1#2{%
3556 \count@=#1\relax
3557 \loop
3558 \catcode\count@=15 %
3559 \ifnum\count@<#2\relax
3560 \advance\count@ 1 %
3561 \repeat
3562 }
3563 \def\RangeCatcodeCheck#1#2#3{%
3564 \count@=#1\relax
3565 \loop
3566 \ifnum#3=\catcode\count@
3567 \else
3568 \errmessage{%
3569 Character \the\count@\space
3570 with wrong catcode \the\catcode\count@\space
3571 instead of \number#3%
3572 }%
3573 \fi
3574 \ifnum\count@<#2\relax
3575 \advance\count@ 1 %
3576 \repeat
3577 }
3578 \def\space{ }
3579 \expandafter\ifx\csname LoadCommand\endcsname\relax
3580 \def\LoadCommand{\input pmbboxdraw.sty\relax}%
3581 \fi
3582 \def\Test{%
3583 \RangeCatcodeInvalid{0}{47}%
3584 \RangeCatcodeInvalid{58}{64}%
3585 \RangeCatcodeInvalid{91}{96}%
3586 \RangeCatcodeInvalid{123}{255}%
3587 \catcode`\@=12 %
3588 \catcode`\=0 %
3589 \catcode`\%=14 %
3590 \LoadCommand
3591 \RangeCatcodeCheck{0}{36}{15}%
3592 \RangeCatcodeCheck{37}{37}{14}%
3593 \RangeCatcodeCheck{38}{47}{15}%
3594 \RangeCatcodeCheck{48}{57}{12}%
3595 \RangeCatcodeCheck{58}{63}{15}%
3596 \RangeCatcodeCheck{64}{64}{12}%
3597 \RangeCatcodeCheck{65}{90}{11}%
3598 \RangeCatcodeCheck{91}{91}{15}%
3599 \RangeCatcodeCheck{92}{92}{0}%
3600 \RangeCatcodeCheck{93}{96}{15}%
3601 \RangeCatcodeCheck{97}{122}{11}%
3602 \RangeCatcodeCheck{123}{255}{15}%
3603 \RestoreCatcodes
3604 }
3605 \Test
3606 \csname @@end\endcsname
3607 \end
3608 </test1>

```

## 4 Installation

### 4.1 Download

**Package.** This package is available on CTAN<sup>1</sup>:

[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 T<sub>E</sub>X 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 T<sub>E</sub>X:

```
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 T<sub>E</sub>X distribution (teT<sub>E</sub>X, miK<sub>T</sub>E<sub>X</sub>, ...) relies on file name databases, you must refresh these. For example, teT<sub>E</sub>X users run `texhash` or `mktextlsr`.

---

<sup>1</sup><http://ctan.org/pkg/pmboxdraw>

## 4.5 Some details for the interested

**Unpacking with L<sup>A</sup>T<sub>E</sub>X.** The .dtx chooses its action depending on the format:

**plain T<sub>E</sub>X:** Run docstrip and extract the files.

**L<sup>A</sup>T<sub>E</sub>X:** Generate the documentation.

If you insist on using L<sup>A</sup>T<sub>E</sub>X for docstrip (really, docstrip does not need L<sup>A</sup>T<sub>E</sub>X), 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 pdfL<sup>A</sup>T<sub>E</sub>X:

```
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 [T<sub>E</sub>X 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`.

```
3609 (*catalogue)
3610 <?xml version='1.0' encoding='us-ascii'?>
3611 <!DOCTYPE entry SYSTEM 'catalogue.dtd'>
3612 <entry datestamp='$Date$' modifier='$Author$' id='pmboxdraw'>
3613   <name>pmboxdraw</name>
3614   <caption>Poor man's box drawing characters.</caption>
3615   <authorref id='auth:oberdiek' />
3616   <copyright owner='Heiko Oberdiek' year='2006,2011' />
3617   <license type='lppl1.3' />
3618   <version number='1.3' />
3619   <description>
3620     This package declares box drawing characters of
3621     old code pages, e.g. cp437. It uses rules instead of using a font.
3622     <p />
3623     The package is part of the <xref refid='oberdiek'>oberdiek</xref> bundle.
3624   </description>
3625   <documentation details='Package documentation'
3626     href='ctan:/macros/latex/contrib/oberdiek/pmboxdraw.pdf' />
3627   <ctan file='true' path='/macros/latex/contrib/oberdiek/pmboxdraw.dtx' />
3628   <miktex location='oberdiek' />
3629   <texlive location='oberdiek' />
3630   <install path='/macros/latex/contrib/oberdiek/oberdiek.tds.zip' />
3631 </entry>
3632 </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.

### [2019/02/28 v1.3]

- Fix character U+257F (gh issue 59)

## 8 Index

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