

# The inputenx package

Heiko Oberdiek\*  
<heiko.oberdiek at googlemail.com>

2016/05/16 v1.11

## Abstract

This package provides input encodings using standard mappings and covers nearly all slots. Thus it serves as more uptodate replacement for package `inputenc`.

## Contents

<b>1</b>	<b>Documentation</b>	<b>3</b>
1.1	Definition files . . . . .	3
1.2	Unicode . . . . .	4
1.3	Verbatim . . . . .	4
1.4	Math . . . . .	5
1.5	Setting the input encoding . . . . .	5
1.5.1	Encoding as package option . . . . .	5
1.5.2	<code>\InputEncoding</code> . . . . .	5
1.5.3	Hooks . . . . .	5
<b>2</b>	<b>Implementation</b>	<b>6</b>
2.1	Identification . . . . .	6
2.2	Encoding names . . . . .	6
2.2.1	Record current encoding names . . . . .	6
2.2.2	Catcode settings for file reading . . . . .	6
2.2.3	Aliases for encoding names . . . . .	7
2.3	Package options . . . . .	8
2.3.1	Declare and process options . . . . .	8
2.3.2	Load <code>inputenc</code> with encoding options . . . . .	8
2.3.3	<code>\InputEncoding</code> . . . . .	8
2.3.4	Option <code>math</code> . . . . .	9
2.4	Alias encoding file . . . . .	9
2.5	Encoding files . . . . .	10
2.5.1	Encoding <code>ascii</code> . . . . .	10
2.5.2	Encoding <code>verbatim</code> . . . . .	11
2.5.3	Encoding <code>atarist</code> . . . . .	11
2.5.4	Encoding <code>iso-8859-1</code> . . . . .	15
2.5.5	Encoding <code>iso-8859-2</code> . . . . .	18
2.5.6	Encoding <code>iso-8859-3</code> . . . . .	20
2.5.7	Encoding <code>iso-8859-4</code> . . . . .	22
2.5.8	Encoding <code>iso-8859-5</code> . . . . .	24
2.5.9	Encoding <code>iso-8859-8</code> . . . . .	26
2.5.10	Encoding <code>iso-8859-9</code> . . . . .	28
2.5.11	Encoding <code>iso-8859-10</code> . . . . .	31
2.5.12	Encoding <code>iso-8859-13</code> . . . . .	33

---

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

2.5.13	Encoding iso-8859-14	35
2.5.14	Encoding iso-8859-15	37
2.5.15	Encoding iso-8859-16	39
2.5.16	Encoding cp437	41
2.5.17	Encoding cp850	45
2.5.18	Encoding cp852	49
2.5.19	Encoding cp855	51
2.5.20	Encoding cp858	54
2.5.21	Encoding cp865	57
2.5.22	Encoding cp866	61
2.5.23	Encoding cp1250	64
2.5.24	Encoding cp1251	67
2.5.25	Encoding cp1252	69
2.5.26	Encoding cp1255	73
2.5.27	Encoding cp1257	75
2.5.28	Encoding dec-mcs	78
2.5.29	Encoding koi8-r	80
2.5.30	Encoding mac-centeuro	82
2.5.31	Encoding mac-cyrillic	85
2.5.32	Encoding mac-roman	88
2.5.33	Encoding nextstep	92
2.5.34	Non-Unicode additions	95
2.6	Additions for <code>utf8enc.dfu</code>	95
2.7	Name list	99
2.8	Mapping Slot, UC to Encodings	99
2.9	Mapping UC to LICR	100
2.10	Math meaning declarations	100
2.11	Documentation files	101
2.11.1	List of known LICR commands	101
2.11.2	Commented additions for <code>utf8enc.dfu</code>	103
<b>3</b>	<b>Installation</b>	<b>103</b>
3.1	Download	103
3.2	Bundle installation	103
3.3	Package installation	104
3.4	Refresh file name databases	105
3.5	Some details for the interested	105
<b>4</b>	<b>Catalogue</b>	<b>105</b>
<b>5</b>	<b>References</b>	<b>106</b>
5.1	Mappings to Unicode	106
<b>6</b>	<b>History</b>	<b>107</b>
[2006/03/05 v1.0]		107
[2007/04/11 v1.1]		107
[2007/06/16 v1.2]		107
[2007/08/16 v1.3]		107
[2009/08/13 v1.4]		107
[2009/12/15 v1.5]		107
[2010/01/11 v1.6]		107
[2011/02/08 v1.7]		107
[2011/04/10 v1.8]		108
[2011/04/26 v1.9]		108
[2011/05/27 v1.10]		108
[2016/05/16 v1.11]		108
<b>7</b>	<b>Index</b>	<b>108</b>

# 1 Documentation

The original goal was to have a package that allows the selection and defining input encodings by the characters in question itself.

The first stage with encoding definition files is implemented. Encoding definition files are provided with the following properties in comparison to L<sup>A</sup>T<sub>E</sub>X's ones:

- More uptodate and closer to the standards. Updating L<sup>A</sup>T<sub>E</sub>X is difficult because of compatibility issues. However this project uses fresh encoding file names, prefixed with `x-`.
- Consequent use of `\DeclareInputText` as suggested by the second edition of “The L<sup>A</sup>T<sub>E</sub>X Companion” [1]. That means that the deprecated `\DeclareInputMath` is not longer used. Instead package `inmath` is supported by providing declarations using `\DeclareMathMeaning`.
- Encoding names can also be given by various alias names.

The second stage that allows selection of input encoding by mappings between the characters and their glyph names is implemented by package `selinput` [3].

## 1.1 Definition files

The input encoding definition files are prefixed with `x-` to distinguish them from the names package `inputenc` uses. The definition files of `inputenx` may also be used by package `inputenc`, eg.:

```
\usepackage[x-iso-8859-1]{inputenc}
```

As option for package `inputenx` the prefix may be dropped:

```
\usepackage[iso-8859-1]{inputenx}
```

The following definition files are available. The second column lists alternative option names for `inputenx`:

<code>x-ascii.def</code>	<code>ascii</code> , <code>us-ascii</code> , <code>clean7bit</code> , <code>ascii-print</code> , <code>ascii-printable</code>	ASCII encoding, 8bit characters disabled
<code>x-atarist.def</code>	<code>atarist</code> , <code>atari</code>	AtariST encoding
<code>x-cp437.def</code>	<code>cp437</code> , <code>cp437de</code>	Code page 437
<code>x-cp850.def</code>	<code>cp850</code>	Code page 850
<code>x-cp852.def</code>	<code>cp852</code>	Code page 852
<code>x-cp855.def</code>	<code>cp855</code>	Code page 855
<code>x-cp858.def</code>	<code>cp858</code>	Code page 858
<code>x-cp865.def</code>	<code>cp865</code>	Code page 865
<code>x-cp866.def</code>	<code>cp866</code>	Code page 866
<code>x-cp1250.def</code>	<code>cp1250</code>	Code page 1250
<code>x-cp1251.def</code>	<code>cp1251</code>	Code page 1251
<code>x-cp1252.def</code>	<code>cp1252</code> , <code>ansinew</code>	Code page 1252
<code>x-cp1255.def</code>	<code>cp1255</code>	Code page 1255
<code>x-cp1257.def</code>	<code>cp1257</code>	Code page 1257
<code>x-dec-mcs.def</code>	<code>dec-mcs</code> , <code>decmulti</code>	DEC Multinational
<code>x-koi8-r.def</code>	<code>koi8-r</code>	KOI8-R (RFC1489)
<code>x-iso-8859-1.def</code>	<code>iso-8859-1</code> , <code>latin1</code>	ISO-8859-1
<code>x-iso-8859-2.def</code>	<code>iso-8859-2</code> , <code>latin2</code>	ISO-8859-2
<code>x-iso-8859-3.def</code>	<code>iso-8859-3</code> , <code>latin3</code>	ISO-8859-3
<code>x-iso-8859-4.def</code>	<code>iso-8859-4</code> , <code>latin4</code>	ISO-8859-4
<code>x-iso-8859-5.def</code>	<code>iso-8859-5</code> , <code>iso88595</code>	ISO-8859-5
<code>x-iso-8859-9.def</code>	<code>iso-8859-9</code> , <code>latin5</code>	ISO-8859-9

x-iso-8859-10.def	iso-8859-10, latin6	ISO-8859-10
x-iso-8859-13.def	iso-8859-13, latin7	ISO-8859-13
x-iso-8859-14.def	iso-8859-14, latin8	ISO-8859-14
x-iso-8859-15.def	iso-8859-15, latin9	ISO-8859-15
x-iso-8859-16.def	iso-8859-16, latin10	ISO-8859-16
x-mac-centeuro.def	mac-centeuro, mac-ce, macce	MAC OS Central European
x-mac-cyrillic.def	mac-cyrillic, maccyr, mac-ukrainian, macukr	MAC OS Cyrillic
x-mac-roman.def	mac-roman, applemac	MAC OS Roman
x-nextstep	nextstep, next	NextStep Encoding
x-verbatim	verbatim	Characters with verbatim catcodes

Some characters need extra packages:

**Box drawings characters** are provided by package `pmboxdraw`. They are used by some older DOS code pages (cp437, cp850, cp852, cp858, cp865).

**Cyrillic characters** need some setup (probably font encoding/package). They are mapped to names that start with `\CYR` (`\CYRYO`, `\CYRDJE`, ...).

**Hebrew characters** need some setup (probably font encoding/package). They are mapped to `\hebalef`, `\hebbet`, ...

**U+2310 REVERSED NOT SIGN** is provided as `\textrevlogicalnot` that uses `\reflectbox` from package `graphics`.

For the following characters I didn't find suitable LICR (L<sup>A</sup>T<sub>E</sub>X Internal Character Representation):

```
\DeclareUnicodeCharacter{200E}{-}
% LEFT-TO-RIGHT MARK
% iso-8859-8[0xFD/253]

\DeclareUnicodeCharacter{200F}{-}
% RIGHT-TO-LEFT MARK
% iso-8859-8[0xFE/254]

\DeclareUnicodeCharacter{2320}{-}
% TOP HALF INTEGRAL
% cp437[0xF4/244] cp865[0xF4/244]

\DeclareUnicodeCharacter{2321}{-}
% BOTTOM HALF INTEGRAL
% cp437[0xF5/245] cp865[0xF5/245]

\DeclareUnicodeCharacter{F8FF}{-}
% <Private Use, Last>
% mac-roman[0xF0/240]
```

## 1.2 Unicode

File `ix-utf8enc.dfu` provides additions to `inputenc`'s file `utf8enc.dfu`. It can be loaded after `utf8.def`, for example:

```
\usepackage[utf8]{inputenc}% or package `inputenx'
\input{ix-utf8enc.dfu}
```

## 1.3 Verbatim

Encoding `verbatim` or file `x-verbatim.def` is a special input encoding file. All characters supported by package `inputenc` are made inactive with catcode 12 (other) suitable for verbatim stuff. Example:

```

\usepackage{inputenc}[2011/02/08]
\usepackage{fancyvrb}
...
\begin{VerbatimOut}[codes={\InputEncoding{verbatim}}]{\jobname.tmp}
  Text with 8 bit characters.
\end{VerbatimOut}

```

## 1.4 Math

The current philosophy of L<sup>A</sup>T<sub>E</sub>X/package `inputenc` is not to declare characters for math only. Instead there is a experimental package `inpmath` that extends package `inputenc`, to change the behaviour of input characters if used in math mode. File `ix-math.def` provides some definitions of math characters. Package option ‘math’ loads package `inpmath` and loads file `ix-math.cfg`. If `ix-math.cfg` does not exist, `ix-math.def` is loaded instead. (The file `ix-math.cfg` may contain `\input{ix-math.def}`.)

## 1.5 Setting the input encoding

### 1.5.1 Encoding as package option

All other package options are treated as encoding options. Global options are ignored. First The encoding name or one of its aliases can be given as package option. First an alias is dereferenced and then the real encoding name (base name of the encoding definition file is passed to package `inputenc`. `\CurrentInputEncodingName` and `\CurrentInputEncodingOption` are set, see below.

### 1.5.2 `\InputEncoding`

<code>\InputEncoding {<i>encoding</i>}</code>
---

After package `inputenc` is loaded an encoding can be set or changed using `\InputEncoding`. Its *encoding* can be an encoding or alias name. This is similar to `\inputencoding` of package `inputenc`. That remembers the current encoding in macro `\inputencodingname`. However `\InputEncoding` uses remembers the encoding in two macros because of the alias support:

<code>\CurrentInputEncodingName</code>
<code>\CurrentInputEncodingOption</code>

`\CurrentInputEncodingName` is the name of the encoding given as option to `\usepackage` or as argument for `\InputEncoding`. This name can also be an alias name. The real encoding name (base file name of the encoding file) is remembered in `\CurrentInputEncodingOption` (option means option for package `inputenc`).

### 1.5.3 Hooks

<code>\BeforeInputEncoding {<i>code</i>}</code>
<code>\AfterInputEncoding {<i>code</i>}</code>

`\InputEncoding` supports two hooks that are called at the beginning and the end after the encoding is set. *code* is added to the hooks by `\BeforeInputEncoding` or `\AfterInputEncoding`.

<pre> \InputEncodingNameOld \InputEncodingOptionOld \InputEncodingNew </pre>
--

In the hooks the old encoding names are available as macros `\InputEncodingNameOld` and `\InputEncodingOptionOld`. They store the meaning of `\CurrentInputEncodingName` and `\CurrentInputEncodingOption` before `\InputEncoding`. `\InputEncodingNew` contains the new input encoding given as argument for `\InputEncoding`. In `\BeforeInputEncoding` this macro `\InputEncodingNew` can even be changed to a better encoding name that will then be used to set the input encoding.

## 2 Implementation

### 2.1 Identification

```

1 (*package)
2 \NeedsTeXFormat{LaTeX2e}
3 \ProvidesPackage{inputenx}%
4 [2016/05/16 v1.11 Enhanced input encoding handling (HO)]%

```

### 2.2 Encoding names

#### 2.2.1 Record current encoding names

`\CurrentInputEncodingName`

```
5 \providecommand*{\CurrentInputEncodingName}{}

```

`\CurrentInputEncodingOption`

```
6 \providecommand*{\CurrentInputEncodingOption}{}

```

#### 2.2.2 Catcode settings for file reading

`\IEX@SetFileCatcodes`

```

7 \def\IEX@SetFileCatcodes{%
8 \catcode`\=0 %
9 \catcode`\{=1 %
10 \catcode`\}=2 %
11 \catcode`\#=6 %
12 \catcode`\^=7 %
13 \catcode`\@=11 %
14 \catcode`\~=\active
15 \catcode`\%=14 %
16 \catcode`\`=12 %
17 }

```

`\IEX@SaveFileCatcodes`

`\IEX@RestoreFileCatcodes`

```

18 \def\IEX@SaveFileCatcodes{%
19 \edef\IEX@RestoreFileCatcodes{%
20 \catcode`\noexpand\=\the\catcode`\ \relax
21 \catcode`\noexpand\{=\the\catcode`\{\relax
22 \catcode`\noexpand\}=\the\catcode`\}\relax
23 \catcode`\noexpand\#=\the\catcode`\#\relax
24 \catcode`\noexpand\^=\the\catcode`\^\relax
25 \catcode`\noexpand\@=\the\catcode`\@\relax
26 \catcode`\noexpand\~=\the\catcode`\~\relax
27 \catcode`\noexpand\%=\the\catcode`\%\relax
28 \catcode`\noexpand`\`=\the\catcode`\`\relax
29 \catcode`\noexpand\<=\the\catcode`\<\relax
30 }%
31 }

```

### 2.2.3 Aliases for encoding names

```

32 \def\IEX@LookupEncoding#1{%
33 \edef\CurrentInputEncodingName{#1}%
34 \@onelevel@sanitize\CurrentInputEncodingName
35 \let\CurrentInputEncodingOption\@empty
36 \@ifundefined{IEX@enc@\CurrentInputEncodingName}{%
37 \global\expandafter\let
38 \csname IEX@enc@\CurrentInputEncodingName\endcsname
39 \CurrentInputEncodingName
40 \IEX@DoLookup
41 }{}%
42 \edef\CurrentInputEncodingOption{%
43 \csname IEX@enc@\CurrentInputEncodingName\endcsname
44 }%
45 \ifx\CurrentInputEncodingOption\@empty
46 \PackageWarning{inputenx}{%
47 Encoding `\'CurrentInputEncodingName' is not available%
48 \MessageBreak
49 and therefore ignored%
50 }%
51 \else
52 \IfFileExists{\CurrentInputEncodingOption.def}{%
53 \PackageInfo{inputenx}{%
54 Encoding name: \CurrentInputEncodingName\MessageBreak
55 Encoding file: \CurrentInputEncodingOption.def\MessageBreak
56 }%
57 }{%
58 \PackageError{inputenx}{%
59 Cannot load encoding `\'CurrentInputEncodingName'.\MessageBreak
60 A valid encoding alias was not found and\MessageBreak
61 encoding file `\'CurrentInputEncodingOption.def' does not exist%
62 }\@ehc
63 \global\expandafter\let
64 \csname IEX@enc@\CurrentInputEncodingName\endcsname\@empty
65 \let\CurrentInputEncodingName\@empty
66 \let\CurrentInputEncodingOption\@empty
67 }%
68 \fi
69 }

```

Encoding is in `\CurrentInputEncodingName`. Search the alias file until an entry is found and define `IEX@enc@\CurrentInputEncodingName`.

```

70 \def\IEX@DoLookup{%
71 \begingroup
72 \IEX@SetFileCatcodes
73 \advance\endlinechar\@M
74 \IfFileExists{ix-alias.cfg}{%
75 \input{ix-alias.cfg}%
76 }{%
77 \input{ix-alias.def}%
78 }%
79 \advance\endlinechar-\@M
80 \endgroup
81 }

82 \def\InputenxAlias#1#2{%
83 \edef\IEX@temp{#1}%
84 \@onelevel@sanitize\IEX@temp
85 \ifx\IEX@temp\CurrentInputEncodingName
86 \edef\IEX@temp{#2}%
87 \@onelevel@sanitize\IEX@temp
88 \IfFileExists{\IEX@temp.def}{%
89 \global\expandafter\let

```

```

90     \csname IEX@enc@\CurrentInputEncodingName\endcsname\IEX@temp
91     \expandafter\endinput
92   }{%
93     \PackageWarning{inputenc}{%
94       Missing encoding file `IEX@temp.def'\MessageBreak
95       for encoding `CurrentInputEncodingName', continuing%
96       \MessageBreak
97       with lookup search%
98     }%
99   }%
100 \fi
101 }

```

## 2.3 Package options

### 2.3.1 Declare and process options

```

102 \newif\ifIEX@math
103 \DeclareOption{math}{\IEX@mathtrue}
104 \let\IEX@enclist\@empty
105 \DeclareOption*{%
106   \ifx\IEX@enclist\@empty
107     \let\IEX@enclist\CurrentOption
108   \else
109     \edef\IEX@enclist{\IEX@enclist,\CurrentOption}%
110   \fi
111 }
112 \ProcessOptions*

```

### 2.3.2 Load inputenc with encoding options

```

113 \let\IEX@OptionList\@empty
114 \@for\CurrentOption:=\IEX@enclist\do{%
115   \IEX@LookupEncoding\CurrentOption
116   \ifx\CurrentInputEncodingOption\@empty
117     \else
118     \edef\IEX@OptionList{%
119       \ifx\IEX@OptionList\@empty
120         \else
121           \IEX@OptionList,%
122         \fi
123       \CurrentInputEncodingOption
124     }%
125   \fi
126 }
127 \RequirePackage{inputenc}
128 \@for\IEX@Option:=\IEX@OptionList\do{%
129   \inputencoding{\IEX@Option}%
130 }

```

### 2.3.3 \InputEncoding

\IEX@BeforeHook

```
131 \def\IEX@BeforeHook{}
```

\IEX@AfterHook

```
132 \def\IEX@AfterHook{}
```

\BeforeInputEncoding

```
133 \newcommand*\BeforeInputEncoding{%
134   \g@addto@macro\IEX@BeforeHook
135 }

```

\AfterInputEncoding

```
136 \newcommand*\AfterInputEncoding{%

```

```

137 \g@addto@macro\IEX@AfterHook
138 }

```

`\InputEncoding` `\InputEncoding` is basically the same as `\inputencoding` of package `inputenc`. However aliases are supported.

```

139 \newcommand*{\InputEncoding}[1]{%
140 \let\InputEncodingNameOld\CurrentInputEncodingName
141 \let\InputEncodingOptionOld\CurrentInputEncodingOption
142 \edef\InputEncodingNew{#1}%
143 \IEX@BeforeHook
144 \IEX@LookupEncoding\InputEncodingNew
145 \ifx\CurrentInputEncodingOption\@empty
146 \else
147 \IEX@SaveFileCatcodes
148 \IEX@SetFileCatcodes
149 \inputencoding{\CurrentInputEncodingOption}%
150 \IEX@RestoreFileCatcodes
151 % \ifx\PassOptionsToPackage\@notprerr
152 % \else
153 % \expandafter\PassOptionsToPackage\expandafter{%
154 % \CurrentInputEncodingOption
155 % }{inputenc}%
156 % \ifx\CurrentInputEncodingName\CurrentInputEncodingOption
157 % \else
158 % \expandafter\PassOptionsToPackage\expandafter{%
159 % \CurrentInputEncodingName
160 % }{inputenc}%
161 % \fi
162 % \fi
163 \fi
164 \IEX@AfterHook
165 }

```

### 2.3.4 Option `math`

```

166 \ifIEX@math
167 \RequirePackage{inpmath}%
168 \IfFileExists{ix-math.cfg}{%
169 \input{ix-math.cfg}%
170 }{%
171 \input{ix-math.def}%
172 }%
173 \fi
174 </package>

```

## 2.4 Alias encoding file

```

175 <*alias>
176 \ProvidesFile{ix-alias.def}[2016/05/16 v1.11 Alias list (inputex)]

```

The alias mechanism is also used to hide the prefix `x-`:

```

177 \InputexAlias{ascii}{x-ascii}
178 \InputexAlias{atarist}{x-atarist}
179 \InputexAlias{iso-8859-1}{x-iso-8859-1}
180 \InputexAlias{iso-8859-2}{x-iso-8859-2}
181 \InputexAlias{iso-8859-3}{x-iso-8859-3}
182 \InputexAlias{iso-8859-4}{x-iso-8859-4}
183 \InputexAlias{iso-8859-5}{x-iso-8859-5}
184 \InputexAlias{iso-8859-8}{x-iso-8859-8}
185 \InputexAlias{iso-8859-9}{x-iso-8859-9}
186 \InputexAlias{iso-8859-10}{x-iso-8859-10}
187 \InputexAlias{iso-8859-13}{x-iso-8859-13}
188 \InputexAlias{iso-8859-14}{x-iso-8859-14}

```

```

189 \InputenxAlias{iso-8859-15}{x-iso-8859-15}
190 \InputenxAlias{iso-8859-16}{x-iso-8859-16}
191 \InputenxAlias{cp437}{x-cp437}
192 \InputenxAlias{cp850}{x-cp850}
193 \InputenxAlias{cp852}{x-cp852}
194 \InputenxAlias{cp855}{x-cp855}
195 \InputenxAlias{cp858}{x-cp858}
196 \InputenxAlias{cp865}{x-cp865}
197 \InputenxAlias{cp866}{x-cp866}
198 \InputenxAlias{cp1250}{x-cp1250}
199 \InputenxAlias{cp1251}{x-cp1251}
200 \InputenxAlias{cp1252}{x-cp1252}
201 \InputenxAlias{cp1255}{x-cp1255}
202 \InputenxAlias{cp1257}{x-cp1257}
203 \InputenxAlias{dec-mcs}{x-dec-mcs}
204 \InputenxAlias{koi8-r}{x-koi8-r}
205 \InputenxAlias{mac-centeuro}{x-mac-centeuro}
206 \InputenxAlias{mac-cyrillic}{x-mac-cyrillic}
207 \InputenxAlias{mac-roman}{x-mac-roman}
208 \InputenxAlias{nextstep}{x-nextstep}

```

Now the real aliases start:

```

209 \InputenxAlias{ansinew}{x-cp1252}
210 \InputenxAlias{applemac}{x-mac-roman}
211 \InputenxAlias{ascii-print}{x-ascii}
212 \InputenxAlias{ascii-printable}{x-ascii}
213 \InputenxAlias{atari}{x-atarist}
214 \InputenxAlias{clean7bit}{x-ascii}
215 \InputenxAlias{cp437de}{x-cp437}
216 \InputenxAlias{decmulti}{x-dec-mcs}
217 \InputenxAlias{iso88595}{x-iso-8859-5}
218 \InputenxAlias{latin1}{x-iso-8859-1}
219 \InputenxAlias{latin10}{x-iso-8859-16}
220 \InputenxAlias{latin2}{x-iso-8859-2}
221 \InputenxAlias{latin3}{x-iso-8859-3}
222 \InputenxAlias{latin4}{x-iso-8859-4}
223 \InputenxAlias{latin5}{x-iso-8859-9}
224 \InputenxAlias{latin6}{x-iso-8859-10}
225 \InputenxAlias{latin7}{x-iso-8859-13}
226 \InputenxAlias{latin8}{x-iso-8859-14}
227 \InputenxAlias{latin9}{x-iso-8859-15}
228 \InputenxAlias{mac-ce}{x-mac-centeuro}
229 \InputenxAlias{mac-ukrainian}{x-mac-cyrillic}
230 \InputenxAlias{macce}{x-mac-centeuro}
231 \InputenxAlias{maccyr}{x-mac-cyrillic}
232 \InputenxAlias{macukr}{x-mac-cyrillic}
233 \InputenxAlias{next}{x-nextstep}
234 \InputenxAlias{us-ascii}{x-ascii}
235 \InputenxAlias{verbatim}{x-verbatim}
236 </alias>

```

## 2.5 Encoding files

### 2.5.1 Encoding ascii

The encoding file `ascii.def` of package `inputenc` before 2006/03/04 v1.1b generate a unnecessary warning. Therefore a separate variant is provided here.

```

237 <*ascii>
238 \ProvidesFile{x-ascii.def}%
239 [2016/05/16 v1.11 Input encoding ascii (inputenc)]%
240 \csname @inpenc@test\endcsname
241 </ascii>

```

## 2.5.2 Encoding verbatim

```
242 <*verbatim>
243 \ProvidesFile{x-verbatim.def}%
244 [2016/05/16 v1.11 Input encoding verbatim (inputenx)]%
245 \csname @inpenc@test\endcsname
246 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
247 \makeatletter
248 \def\IPX@VerbatimLoop#1#2{%
249   \@tempcnta#1\relax
250   \loop
251     \catcode\@tempcnta=12 %
252   %   \catcode\@tempcnta\active
253   %   \begingroup
254   %     \uccode`~\@tempcnta
255   %     \uppercase{\endgroup
256   %       \edef-{\string~}%
257   %     }%
258   \ifnum\@tempcnta<#2\relax
259     \advance\@tempcnta\@ne
260   \repeat
261 }
262 \IPX@VerbatimLoop{1}{8}
263 \IPX@VerbatimLoop{11}{11}
264 \IPX@VerbatimLoop{14}{31}
265 \IPX@VerbatimLoop{127}{255}
266 \RestoreAtCatcode
267 </verbatim>
```

## 2.5.3 Encoding atarist

```
268 <*atarist>
269 \ProvidesFile{x-atarist.def}%
270 [2016/05/16 v1.11 Input encoding atarist (inputenx)]%
271 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
272 \makeatletter
273 \ProvideTextCommandDefault{\textGamma}{%
274   \ensuremath\Gamma
275 }
276 \ProvideTextCommandDefault{\textOmega}{%
277   \ensuremath\Omega
278 }
279 \ProvideTextCommandDefault{\textPhi}{%
280   \ensuremath\Phi
281 }
282 \ProvideTextCommandDefault{\textSigma}{%
283   \ensuremath\Sigma
284 }
285 \ProvideTextCommandDefault{\textTheta}{%
286   \ensuremath\Theta
287 }
288 \ProvideTextCommandDefault{\textalpha}{%
289   \ensuremath\alpha
290 }
291 \ProvideTextCommandDefault{\textapproxequal}{%
292   \ensuremath\approx
293 }
294 \ProvideTextCommandDefault{\textasciacute}{%
295   \@tabacckludge'{}%
296 }
297 \ProvideTextCommandDefault{\textasciidieresis}{%
298   \{"}%
299 }
300 \ProvideTextCommandDefault{\textasciimacron}{%

```

```

301 \@tabacckludge={}%
302 }
303 \ProvideTextCommandDefault{\textbeta}{%
304 \ensuremath\beta
305 }
306 \ProvideTextCommandDefault{\textcap}{%
307 \ensuremath\cap
308 }
309 \ProvideTextCommandDefault{\textcent}{%
310 \TextSymbolUnavailable\textcent
311 }
312 \ProvideTextCommandDefault{\textcontourintegral}{%
313 \ensuremath\oint
314 }
315 \ProvideTextCommandDefault{\textdegree}{%
316 \ensuremath{^\circ}}%
317 }
318 \ProvideTextCommandDefault{\textdelta}{%
319 \ensuremath\delta
320 }
321 \ProvideTextCommandDefault{\textdiv}{%
322 \TextSymbolUnavailable\textdiv
323 }
324 \ProvideTextCommandDefault{\textelement}{%
325 \ensuremath\in
326 }
327 \ProvideTextCommandDefault{\textequivalence}{%
328 \ensuremath\equiv
329 }
330 \ProvideTextCommandDefault{\textflorin}{%
331 \textit{f}}%
332 }
333 \ProvideTextCommandDefault{\textgreaterequal}{%
334 \ensuremath\geq
335 }
336 \ProvideTextCommandDefault{\textinfinity}{%
337 \ensuremath\infty
338 }
339 \ProvideTextCommandDefault{\textintersection}{%
340 \ensuremath\cap
341 }
342 \ProvideTextCommandDefault{\textlessequal}{%
343 \ensuremath\leq
344 }
345 \ProvideTextCommandDefault{\textlnot}{%
346 \ensuremath\not
347 }
348 \ProvideTextCommandDefault{\textmu}{%
349 \ensuremath\mu
350 }
351 \ProvideTextCommandDefault{\textnsuperior}{%
352 \ensuremath{\sup}}%
353 }
354 \ProvideTextCommandDefault{\textonehalf}{%
355 \ensuremath{\frac{1}{2}}%
356 }
357 \ProvideTextCommandDefault{\textonequarter}{%
358 \ensuremath{\frac{1}{4}}%
359 }
360 \ProvideTextCommandDefault{\textphi}{%
361 \ensuremath\phi
362 }

```

```

363 \ProvideTextCommandDefault{\textpi}{%
364 \ensuremath\pi
365 }
366 \ProvideTextCommandDefault{\textpm}{%
367 \ensuremath\pm
368 }
369 \ProvideTextCommandDefault{\textrevlogicalnot}{%
370 \begingroup
371 \ifundefined{reflectbox}{%
372 \TextSymbolUnavailable\textrevlogicalnot
373 }{%
374 \def\@revlogicalnot##1##2{%
375 \reflectbox{$##1##2$}%
376 }%
377 \ensuremath{\mathpalette\@revlogicalnot\lnot}%
378 }%
379 \endgroup
380 }
381 \ProvideTextCommandDefault{\textsigma}{%
382 \ensuremath\sigma
383 }
384 \ProvideTextCommandDefault{\textsurd}{%
385 \ensuremath\surd
386 }
387 \ProvideTextCommandDefault{\texttau}{%
388 \ensuremath\tau
389 }
390 \ProvideTextCommandDefault{\textthreesuperior}{%
391 \ensuremath{\textsupseteq}
392 }
393 \ProvideTextCommandDefault{\texttwosuperior}{%
394 \ensuremath{\textsupset}
395 }
396 \ProvideTextCommandDefault{\textyen}{%
397 \TextSymbolUnavailable\textyen
398 }
399 \DeclareInputText{128}{\c C}
400 \DeclareInputText{129}{\u u}
401 \DeclareInputText{130}{\@tabacckludge'e}
402 \DeclareInputText{131}{\^a}
403 \DeclareInputText{132}{\`a}
404 \DeclareInputText{133}{\@tabacckludge`a}
405 \DeclareInputText{134}{\r a}
406 \DeclareInputText{135}{\c c}
407 \DeclareInputText{136}{\^e}
408 \DeclareInputText{137}{\`e}
409 \DeclareInputText{138}{\@tabacckludge`e}
410 \DeclareInputText{139}{\`i}
411 \DeclareInputText{140}{\^i}
412 \DeclareInputText{141}{\@tabacckludge`i}
413 \DeclareInputText{142}{\`A}
414 \DeclareInputText{143}{\r A}
415 \DeclareInputText{144}{\@tabacckludge'E}
416 \DeclareInputText{145}{\ae}
417 \DeclareInputText{146}{\AE}
418 \DeclareInputText{147}{\^o}
419 \DeclareInputText{148}{\`o}
420 \DeclareInputText{149}{\@tabacckludge`o}
421 \DeclareInputText{150}{\^u}
422 \DeclareInputText{151}{\@tabacckludge`u}
423 \DeclareInputText{152}{\`y}
424 \DeclareInputText{153}{\`O}

```

425 \DeclareInputText{154}{\ "U}  
426 \DeclareInputText{155}{\textcent}  
427 \DeclareInputText{156}{\textsterling}  
428 \DeclareInputText{157}{\textyen}  
429 \DeclareInputText{158}{\ss}  
430 \DeclareInputText{159}{\textflorin}  
431 \DeclareInputText{160}{\@tabacckludge'a}  
432 \DeclareInputText{161}{\@tabacckludge'i}  
433 \DeclareInputText{162}{\@tabacckludge'o}  
434 \DeclareInputText{163}{\@tabacckludge'u}  
435 \DeclareInputText{164}{\~n}  
436 \DeclareInputText{165}{\~N}  
437 \DeclareInputText{166}{\textordfeminine}  
438 \DeclareInputText{167}{\textordmasculine}  
439 \DeclareInputText{168}{\textquestiondown}  
440 \DeclareInputText{169}{\textrevlogicalnot}  
441 \DeclareInputText{170}{\textlnot}  
442 \DeclareInputText{171}{\textonehalf}  
443 \DeclareInputText{172}{\textonequarter}  
444 \DeclareInputText{173}{\textexclamdown}  
445 \DeclareInputText{174}{\guillemotleft}  
446 \DeclareInputText{175}{\guillemotright}  
447 \DeclareInputText{176}{\~a}  
448 \DeclareInputText{177}{\~o}  
449 \DeclareInputText{178}{\O}  
450 \DeclareInputText{179}{\o}  
451 \DeclareInputText{180}{\oe}  
452 \DeclareInputText{181}{\OE}  
453 \DeclareInputText{182}{\@tabacckludge`A}  
454 \DeclareInputText{183}{\~A}  
455 \DeclareInputText{184}{\~O}  
456 \DeclareInputText{185}{\textasciidieresis}  
457 \DeclareInputText{186}{\textasciiacute}  
458 \DeclareInputText{187}{\textdagger}  
459 \DeclareInputText{188}{\textparagraph}  
460 \DeclareInputText{189}{\textcopyright}  
461 \DeclareInputText{190}{\textregistered}  
462 \DeclareInputText{191}{\texttrademark}  
463 \DeclareInputText{192}{\ij}  
464 \DeclareInputText{193}{\IJ}  
465 \DeclareInputText{194}{\hebaief}  
466 \DeclareInputText{195}{\hebbet}  
467 \DeclareInputText{196}{\hebgimel}  
468 \DeclareInputText{197}{\hebdalet}  
469 \DeclareInputText{198}{\hebhe}  
470 \DeclareInputText{199}{\hebvav}  
471 \DeclareInputText{200}{\hebzayin}  
472 \DeclareInputText{201}{\hebbet}  
473 \DeclareInputText{202}{\hebtet}  
474 \DeclareInputText{203}{\hebyod}  
475 \DeclareInputText{204}{\hebkaf}  
476 \DeclareInputText{205}{\heblamed}  
477 \DeclareInputText{206}{\hebmeme}  
478 \DeclareInputText{207}{\hebnnun}  
479 \DeclareInputText{208}{\hebsamekh}  
480 \DeclareInputText{209}{\hebayin}  
481 \DeclareInputText{210}{\hebpe}  
482 \DeclareInputText{211}{\hebtsadi}  
483 \DeclareInputText{212}{\hebqof}  
484 \DeclareInputText{213}{\hebresh}  
485 \DeclareInputText{214}{\hebshin}  
486 \DeclareInputText{215}{\hebtav}

```

487 \DeclareInputText{216}{\hebfinalnun}
488 \DeclareInputText{217}{\hebfinalkaf}
489 \DeclareInputText{218}{\hebfinalmem}
490 \DeclareInputText{219}{\hebfinalpe}
491 \DeclareInputText{220}{\hebfinaltsadi}
492 \DeclareInputText{221}{\textsection}
493 \DeclareInputText{222}{\textcap}
494 \DeclareInputText{223}{\textinfinity}
495 \DeclareInputText{224}{\textalpha}
496 \DeclareInputText{225}{\textbeta}
497 \DeclareInputText{226}{\textGamma}
498 \DeclareInputText{227}{\textpi}
499 \DeclareInputText{228}{\textSigma}
500 \DeclareInputText{229}{\textsigma}
501 \DeclareInputText{230}{\textmu}
502 \DeclareInputText{231}{\texttau}
503 \DeclareInputText{232}{\textPhi}
504 \DeclareInputText{233}{\textTheta}
505 \DeclareInputText{234}{\textOmega}
506 \DeclareInputText{235}{\textdelta}
507 \DeclareInputText{236}{\textcontourintegral}
508 \DeclareInputText{237}{\textphi}
509 \DeclareInputText{238}{\textelement}
510 \DeclareInputText{239}{\textintersection}
511 \DeclareInputText{240}{\textequivalence}
512 \DeclareInputText{241}{\textpm}
513 \DeclareInputText{242}{\textgreaterequal}
514 \DeclareInputText{243}{\textlesseq}
515 \DeclareInputText{246}{\textdiv}
516 \DeclareInputText{247}{\textapprox}
517 \DeclareInputText{248}{\textdegree}
518 \DeclareInputText{249}{\textbullet}
519 \DeclareInputText{250}{\textperiodcentered}
520 \DeclareInputText{251}{\textsurd}
521 \DeclareInputText{252}{\textnsuperior}
522 \DeclareInputText{253}{\texttwosuperior}
523 \DeclareInputText{254}{\textthreesuperior}
524 \DeclareInputText{255}{\textasciimacron}
525 \RestoreAtCatcode
526 </atarist>

```

#### 2.5.4 Encoding iso-8859-1

```

527 <*iso-8859-1>
528 \ProvidesFile{x-iso-8859-1.def}%
529 [2016/05/16 v1.11 Input encoding iso-8859-1 (inputenx)]%
530 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
531 \makeatletter
532 \ProvideTextCommandDefault{\textasciiacute}{%
533 \@tabacckludge'}{%
534 }
535 \ProvideTextCommandDefault{\textasciidieresis}{%
536 \"}{%
537 }
538 \ProvideTextCommandDefault{\textasciimacron}{%
539 \@tabacckludge={}%
540 }
541 \ProvideTextCommandDefault{\textbrokenbar}{%
542 \TextSymbolUnavailable\textbrokenbar
543 }
544 \ProvideTextCommandDefault{\textcent}{%
545 \TextSymbolUnavailable\textcent
546 }
547 \ProvideTextCommandDefault{\textcurrency}{%

```

```

548 \TextSymbolUnavailable\textcurrency
549 }
550 \ProvideTextCommandDefault{\textdegree}{%
551 \ensuremath{\text{\textcircled{~}}}}%
552 }
553 \ProvideTextCommandDefault{\textdiv}{%
554 \TextSymbolUnavailable\textdiv
555 }
556 \ProvideTextCommandDefault{\textlnot}{%
557 \ensuremath{\lnot}
558 }
559 \ProvideTextCommandDefault{\textmu}{%
560 \ensuremath{\mu}
561 }
562 \ProvideTextCommandDefault{\textonehalf}{%
563 \ensuremath{\frac{1}{2}}}
564 }
565 \ProvideTextCommandDefault{\textonequarter}{%
566 \ensuremath{\frac{1}{4}}}
567 }
568 \ProvideTextCommandDefault{\textonesuperior}{%
569 \ensuremath{\text{\textsuperscript{1}}}}%
570 }
571 \ProvideTextCommandDefault{\textpm}{%
572 \ensuremath{\text{\textpm}}}
573 }
574 \ProvideTextCommandDefault{\textthreequarters}{%
575 \ensuremath{\frac{3}{4}}}
576 }
577 \ProvideTextCommandDefault{\textthreesuperior}{%
578 \ensuremath{\text{\textsuperscript{3}}}}%
579 }
580 \ProvideTextCommandDefault{\texttimes}{%
581 \ensuremath{\text{\texttimes}}}
582 }
583 \ProvideTextCommandDefault{\texttwosuperior}{%
584 \ensuremath{\text{\textsuperscript{2}}}}%
585 }
586 \ProvideTextCommandDefault{\textyen}{%
587 \TextSymbolUnavailable\textyen
588 }
589 \DeclareInputText{160}{\nobreakspace}
590 \DeclareInputText{161}{\textexclamdown}
591 \DeclareInputText{162}{\textcent}
592 \DeclareInputText{163}{\textsterling}
593 \DeclareInputText{164}{\textcurrency}
594 \DeclareInputText{165}{\textyen}
595 \DeclareInputText{166}{\textbrokenbar}
596 \DeclareInputText{167}{\textsection}
597 \DeclareInputText{168}{\textasciidieresis}
598 \DeclareInputText{169}{\textcopyright}
599 \DeclareInputText{170}{\textordfeminine}
600 \DeclareInputText{171}{\guillemotleft}
601 \DeclareInputText{172}{\textlnot}
602 \DeclareInputText{173}{\textasciicaron}
603 \DeclareInputText{174}{\textregistered}
604 \DeclareInputText{175}{\textasciimacron}
605 \DeclareInputText{176}{\textdegree}
606 \DeclareInputText{177}{\textpm}
607 \DeclareInputText{178}{\texttwosuperior}
608 \DeclareInputText{179}{\textthreesuperior}
609 \DeclareInputText{180}{\textasciacute}

```

610 \DeclareInputText{181}{\textmu}  
611 \DeclareInputText{182}{\textparagraph}  
612 \DeclareInputText{183}{\textperiodcentered}  
613 \DeclareInputText{184}{\c\ }  
614 \DeclareInputText{185}{\textonesuperior}  
615 \DeclareInputText{186}{\textordmasculine}  
616 \DeclareInputText{187}{\guillemotright}  
617 \DeclareInputText{188}{\textonequarter}  
618 \DeclareInputText{189}{\textonehalf}  
619 \DeclareInputText{190}{\textthreequarters}  
620 \DeclareInputText{191}{\textquestiondown}  
621 \DeclareInputText{192}{\@tabacckludge`A}  
622 \DeclareInputText{193}{\@tabacckludge'A}  
623 \DeclareInputText{194}{\^A}  
624 \DeclareInputText{195}{\~A}  
625 \DeclareInputText{196}{\"A}  
626 \DeclareInputText{197}{\r A}  
627 \DeclareInputText{198}{\AE}  
628 \DeclareInputText{199}{\c C}  
629 \DeclareInputText{200}{\@tabacckludge`E}  
630 \DeclareInputText{201}{\@tabacckludge'E}  
631 \DeclareInputText{202}{\^E}  
632 \DeclareInputText{203}{\"E}  
633 \DeclareInputText{204}{\@tabacckludge`I}  
634 \DeclareInputText{205}{\@tabacckludge'I}  
635 \DeclareInputText{206}{\^I}  
636 \DeclareInputText{207}{\"I}  
637 \DeclareInputText{208}{\DH}  
638 \DeclareInputText{209}{\~N}  
639 \DeclareInputText{210}{\@tabacckludge`O}  
640 \DeclareInputText{211}{\@tabacckludge'O}  
641 \DeclareInputText{212}{\^O}  
642 \DeclareInputText{213}{\~O}  
643 \DeclareInputText{214}{\"O}  
644 \DeclareInputText{215}{\texttimes}  
645 \DeclareInputText{216}{\O}  
646 \DeclareInputText{217}{\@tabacckludge`U}  
647 \DeclareInputText{218}{\@tabacckludge'U}  
648 \DeclareInputText{219}{\^U}  
649 \DeclareInputText{220}{\"U}  
650 \DeclareInputText{221}{\@tabacckludge`Y}  
651 \DeclareInputText{222}{\TH}  
652 \DeclareInputText{223}{\ss}  
653 \DeclareInputText{224}{\@tabacckludge`a}  
654 \DeclareInputText{225}{\@tabacckludge'a}  
655 \DeclareInputText{226}{\^a}  
656 \DeclareInputText{227}{\~a}  
657 \DeclareInputText{228}{\"a}  
658 \DeclareInputText{229}{\r a}  
659 \DeclareInputText{230}{\ae}  
660 \DeclareInputText{231}{\c c}  
661 \DeclareInputText{232}{\@tabacckludge`e}  
662 \DeclareInputText{233}{\@tabacckludge'e}  
663 \DeclareInputText{234}{\^e}  
664 \DeclareInputText{235}{\"e}  
665 \DeclareInputText{236}{\@tabacckludge`i}  
666 \DeclareInputText{237}{\@tabacckludge'i}  
667 \DeclareInputText{238}{\^i}  
668 \DeclareInputText{239}{\"i}  
669 \DeclareInputText{240}{\dh}  
670 \DeclareInputText{241}{\~n}  
671 \DeclareInputText{242}{\@tabacckludge`o}

```

672 \DeclareInputText{243}{\@tabacckludge'o}
673 \DeclareInputText{244}{\^o}
674 \DeclareInputText{245}{\~o}
675 \DeclareInputText{246}{\o}
676 \DeclareInputText{247}{\textdiv}
677 \DeclareInputText{248}{\o}
678 \DeclareInputText{249}{\@tabacckludge`u}
679 \DeclareInputText{250}{\@tabacckludge'u}
680 \DeclareInputText{251}{\^u}
681 \DeclareInputText{252}{\u}
682 \DeclareInputText{253}{\@tabacckludge'y}
683 \DeclareInputText{254}{\th}
684 \DeclareInputText{255}{\y}
685 \RestoreAtCatcode
686 </iso-8859-1>

```

### 2.5.5 Encoding iso-8859-2

```

687 <*iso-8859-2>
688 \ProvidesFile{x-iso-8859-2.def}%
689 [2016/05/16 v1.11 Input encoding iso-8859-2 (inputenx)]%
690 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
691 \makeatletter
692 \ProvideTextCommandDefault{\textacutedbl}{%
693 \H{}}%
694 }
695 \ProvideTextCommandDefault{\textasciicute}{%
696 \@tabacckludge'{}%
697 }
698 \ProvideTextCommandDefault{\textasciibreve}{%
699 \u{}}%
700 }
701 \ProvideTextCommandDefault{\textasciicaron}{%
702 \v{}}%
703 }
704 \ProvideTextCommandDefault{\textasciidieresis}{%
705 \"}%
706 }
707 \ProvideTextCommandDefault{\textcurrency}{%
708 \TextSymbolUnavailable\textcurrency
709 }
710 \ProvideTextCommandDefault{\textdegree}{%
711 \ensuremath{\^{\circ}}}%
712 }
713 \ProvideTextCommandDefault{\textdiv}{%
714 \TextSymbolUnavailable\textdiv
715 }
716 \ProvideTextCommandDefault{\texttimes}{%
717 \ensuremath{\times}
718 }
719 \DeclareInputText{160}{\nobreakspace}
720 \DeclareInputText{161}{\k A}
721 \DeclareInputText{162}{\textasciibreve}
722 \DeclareInputText{163}{\L}
723 \DeclareInputText{164}{\textcurrency}
724 \DeclareInputText{165}{\v L}
725 \DeclareInputText{166}{\@tabacckludge'S}
726 \DeclareInputText{167}{\textsection}
727 \DeclareInputText{168}{\textasciidieresis}
728 \DeclareInputText{169}{\v S}
729 \DeclareInputText{170}{\c S}
730 \DeclareInputText{171}{\v T}
731 \DeclareInputText{172}{\@tabacckludge'Z}
732 \DeclareInputText{173}{\~}

```

733 \DeclareInputText{174}{\v Z}  
734 \DeclareInputText{175}{\Z}  
735 \DeclareInputText{176}{\textdegree}  
736 \DeclareInputText{177}{\k a}  
737 \DeclareInputText{178}{\k{}}  
738 \DeclareInputText{179}{\l}  
739 \DeclareInputText{180}{\textasciicute}  
740 \DeclareInputText{181}{\v l}  
741 \DeclareInputText{182}{\@tabacckludge's}  
742 \DeclareInputText{183}{\textasciicaron}  
743 \DeclareInputText{184}{\c\ }  
744 \DeclareInputText{185}{\v s}  
745 \DeclareInputText{186}{\c s}  
746 \DeclareInputText{187}{\v t}  
747 \DeclareInputText{188}{\@tabacckludge'z}  
748 \DeclareInputText{189}{\textacutedbl}  
749 \DeclareInputText{190}{\v z}  
750 \DeclareInputText{191}{\z}  
751 \DeclareInputText{192}{\@tabacckludge'R}  
752 \DeclareInputText{193}{\@tabacckludge'A}  
753 \DeclareInputText{194}{\^A}  
754 \DeclareInputText{195}{\u A}  
755 \DeclareInputText{196}{\A}  
756 \DeclareInputText{197}{\@tabacckludge'L}  
757 \DeclareInputText{198}{\@tabacckludge'C}  
758 \DeclareInputText{199}{\c C}  
759 \DeclareInputText{200}{\v C}  
760 \DeclareInputText{201}{\@tabacckludge'E}  
761 \DeclareInputText{202}{\k E}  
762 \DeclareInputText{203}{\E}  
763 \DeclareInputText{204}{\v E}  
764 \DeclareInputText{205}{\@tabacckludge'I}  
765 \DeclareInputText{206}{\^I}  
766 \DeclareInputText{207}{\v D}  
767 \DeclareInputText{208}{\DJ}  
768 \DeclareInputText{209}{\@tabacckludge'N}  
769 \DeclareInputText{210}{\v N}  
770 \DeclareInputText{211}{\@tabacckludge'O}  
771 \DeclareInputText{212}{\^O}  
772 \DeclareInputText{213}{\H O}  
773 \DeclareInputText{214}{\O}  
774 \DeclareInputText{215}{\texttimes}  
775 \DeclareInputText{216}{\v R}  
776 \DeclareInputText{217}{\r U}  
777 \DeclareInputText{218}{\@tabacckludge'U}  
778 \DeclareInputText{219}{\H U}  
779 \DeclareInputText{220}{\U}  
780 \DeclareInputText{221}{\@tabacckludge'Y}  
781 \DeclareInputText{222}{\c T}  
782 \DeclareInputText{223}{\ss}  
783 \DeclareInputText{224}{\@tabacckludge'r}  
784 \DeclareInputText{225}{\@tabacckludge'a}  
785 \DeclareInputText{226}{\^a}  
786 \DeclareInputText{227}{\u a}  
787 \DeclareInputText{228}{\a}  
788 \DeclareInputText{229}{\@tabacckludge'l}  
789 \DeclareInputText{230}{\@tabacckludge'c}  
790 \DeclareInputText{231}{\c c}  
791 \DeclareInputText{232}{\v c}  
792 \DeclareInputText{233}{\@tabacckludge'e}  
793 \DeclareInputText{234}{\k e}  
794 \DeclareInputText{235}{\e}

```

795 \DeclareInputText{236}{\v e}
796 \DeclareInputText{237}{\@tabacckludge'i}
797 \DeclareInputText{238}{\^i}
798 \DeclareInputText{239}{\v d}
799 \DeclareInputText{240}{\dj}
800 \DeclareInputText{241}{\@tabacckludge'n}
801 \DeclareInputText{242}{\v n}
802 \DeclareInputText{243}{\@tabacckludge'o}
803 \DeclareInputText{244}{\^o}
804 \DeclareInputText{245}{\H o}
805 \DeclareInputText{246}{\o}
806 \DeclareInputText{247}{\textdiv}
807 \DeclareInputText{248}{\v r}
808 \DeclareInputText{249}{\r u}
809 \DeclareInputText{250}{\@tabacckludge'u}
810 \DeclareInputText{251}{\H u}
811 \DeclareInputText{252}{\u}
812 \DeclareInputText{253}{\@tabacckludge'y}
813 \DeclareInputText{254}{\c t}
814 \DeclareInputText{255}{\.\{}}
815 \RestoreAtCatcode
816 </iso-8859-2)

```

## 2.5.6 Encoding iso-8859-3

```

817 <*iso-8859-3)
818 \ProvidesFile{x-iso-8859-3.def}%
819 [2016/05/16 v1.11 Input encoding iso-8859-3 (inputenx)]%
820 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
821 \makeatletter
822 \ProvideTextCommandDefault{\textasciiacute}{%
823 \@tabacckludge'{}%
824 }
825 \ProvideTextCommandDefault{\textasciibreve}{%
826 \u{}%
827 }
828 \ProvideTextCommandDefault{\textasciidieresis}{%
829 \{"{}%
830 }
831 \ProvideTextCommandDefault{\textcurrency}{%
832 \TextSymbolUnavailable\textcurrency
833 }
834 \ProvideTextCommandDefault{\textdegree}{%
835 \ensuremath{\^{\circ}}%
836 }
837 \ProvideTextCommandDefault{\textdiv}{%
838 \TextSymbolUnavailable\textdiv
839 }
840 \ProvideTextCommandDefault{\textmalteseH}{%
841 \TextSymbolUnavailable\textmalteseH
842 }
843 \ProvideTextCommandDefault{\textmalteseh}{%
844 \TextSymbolUnavailable\textmalteseh
845 }
846 \ProvideTextCommandDefault{\textmu}{%
847 \ensuremath{\mu}
848 }
849 \ProvideTextCommandDefault{\textonehalf}{%
850 \ensuremath{\frac{1}{2}}%
851 }
852 \ProvideTextCommandDefault{\textthreesuperior}{%
853 \ensuremath{\^3}%
854 }
855 \ProvideTextCommandDefault{\texttimes}{%

```

```

856 \ensuremath\times
857 }
858 \ProvideTextCommandDefault{\texttwosuperior}{%
859 \ensuremath{{^2}}}%
860 }
861 \DeclareInputText{160}{\nobreakspace}
862 \DeclareInputText{161}{\textmalteseH}
863 \DeclareInputText{162}{\textasciibreve}
864 \DeclareInputText{163}{\textsterling}
865 \DeclareInputText{164}{\textcurrency}
866 \DeclareInputText{166}{\^H}
867 \DeclareInputText{167}{\textsection}
868 \DeclareInputText{168}{\textasciidieresis}
869 \DeclareInputText{169}{\cdot}
870 \DeclareInputText{170}{\c S}
871 \DeclareInputText{171}{\u G}
872 \DeclareInputText{172}{\^J}
873 \DeclareInputText{173}{\~}
874 \DeclareInputText{175}{\cdotZ}
875 \DeclareInputText{176}{\textdegree}
876 \DeclareInputText{177}{\textmalteseh}
877 \DeclareInputText{178}{\texttwosuperior}
878 \DeclareInputText{179}{\textthreesuperior}
879 \DeclareInputText{180}{\textasciiacute}
880 \DeclareInputText{181}{\textmu}
881 \DeclareInputText{182}{\^h}
882 \DeclareInputText{183}{\textperiodcentered}
883 \DeclareInputText{184}{\c \ }
884 \DeclareInputText{185}{\i}
885 \DeclareInputText{186}{\c s}
886 \DeclareInputText{187}{\u g}
887 \DeclareInputText{188}{\^j}
888 \DeclareInputText{189}{\textonehalf}
889 \DeclareInputText{191}{\cdotz}
890 \DeclareInputText{192}{\@tabacckludge`A}
891 \DeclareInputText{193}{\@tabacckludge'A}
892 \DeclareInputText{194}{\^A}
893 \DeclareInputText{196}{\ "A}
894 \DeclareInputText{197}{\cdotC}
895 \DeclareInputText{198}{\^C}
896 \DeclareInputText{199}{\c C}
897 \DeclareInputText{200}{\@tabacckludge`E}
898 \DeclareInputText{201}{\@tabacckludge'E}
899 \DeclareInputText{202}{\^E}
900 \DeclareInputText{203}{\ "E}
901 \DeclareInputText{204}{\@tabacckludge`I}
902 \DeclareInputText{205}{\@tabacckludge'I}
903 \DeclareInputText{206}{\^I}
904 \DeclareInputText{207}{\ "I}
905 \DeclareInputText{209}{\~N}
906 \DeclareInputText{210}{\@tabacckludge`O}
907 \DeclareInputText{211}{\@tabacckludge'O}
908 \DeclareInputText{212}{\^O}
909 \DeclareInputText{213}{\cdotG}
910 \DeclareInputText{214}{\ "O}
911 \DeclareInputText{215}{\texttimes}
912 \DeclareInputText{216}{\^G}
913 \DeclareInputText{217}{\@tabacckludge`U}
914 \DeclareInputText{218}{\@tabacckludge'U}
915 \DeclareInputText{219}{\^U}
916 \DeclareInputText{220}{\ "U}
917 \DeclareInputText{221}{\u U}

```

```

918 \DeclareInputText{222}{\~S}
919 \DeclareInputText{223}{\ss}
920 \DeclareInputText{224}{\@tabacckludge`a}
921 \DeclareInputText{225}{\@tabacckludge'a}
922 \DeclareInputText{226}{\^a}
923 \DeclareInputText{228}{\`a}
924 \DeclareInputText{229}{\c}
925 \DeclareInputText{230}{\^c}
926 \DeclareInputText{231}{\c c}
927 \DeclareInputText{232}{\@tabacckludge`e}
928 \DeclareInputText{233}{\@tabacckludge'e}
929 \DeclareInputText{234}{\^e}
930 \DeclareInputText{235}{\`e}
931 \DeclareInputText{236}{\@tabacckludge`i}
932 \DeclareInputText{237}{\@tabacckludge'i}
933 \DeclareInputText{238}{\^i}
934 \DeclareInputText{239}{\`i}
935 \DeclareInputText{241}{\~n}
936 \DeclareInputText{242}{\@tabacckludge`o}
937 \DeclareInputText{243}{\@tabacckludge'o}
938 \DeclareInputText{244}{\^o}
939 \DeclareInputText{245}{\g}
940 \DeclareInputText{246}{\`o}
941 \DeclareInputText{247}{\textdiv}
942 \DeclareInputText{248}{\^g}
943 \DeclareInputText{249}{\@tabacckludge`u}
944 \DeclareInputText{250}{\@tabacckludge'u}
945 \DeclareInputText{251}{\^u}
946 \DeclareInputText{252}{\`u}
947 \DeclareInputText{253}{\u u}
948 \DeclareInputText{254}{\^s}
949 \DeclareInputText{255}{\.`{}}
950 \RestoreAtCatcode
951 </iso-8859-3>

```

### 2.5.7 Encoding iso-8859-4

```

952 <*iso-8859-4>
953 \ProvidesFile{x-iso-8859-4.def}%
954 [2016/05/16 v1.11 Input encoding iso-8859-4 (inputex)]%
955 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
956 \makeatletter
957 \ProvideTextCommandDefault{\textTstroke}{%
958 \TextSymbolUnavailable\textTstroke
959 }
960 \ProvideTextCommandDefault{\textasciiacute}{%
961 \@tabacckludge'{}%
962 }
963 \ProvideTextCommandDefault{\textasciicaron}{%
964 \v{}}%
965 }
966 \ProvideTextCommandDefault{\textasciidieresis}{%
967 \"}%
968 }
969 \ProvideTextCommandDefault{\textasciimacron}{%
970 \@tabacckludge={}%
971 }
972 \ProvideTextCommandDefault{\textcurrency}{%
973 \TextSymbolUnavailable\textcurrency
974 }
975 \ProvideTextCommandDefault{\textdegree}{%
976 \ensuremath{\^{\circ}}}%
977 }
978 \ProvideTextCommandDefault{\textdiv}{%

```

```

979 \TextSymbolUnavailable\textdiv
980 }
981 \ProvideTextCommandDefault{\textkra}{%
982 \TextSymbolUnavailable\textkra
983 }
984 \ProvideTextCommandDefault{\texttimes}{%
985 \ensuremath\times
986 }
987 \ProvideTextCommandDefault{\texttstroke}{%
988 \TextSymbolUnavailable\texttstroke
989 }
990 \DeclareInputText{160}{\nobreakspace}
991 \DeclareInputText{161}{\k A}
992 \DeclareInputText{162}{\textkra}
993 \DeclareInputText{163}{\c R}
994 \DeclareInputText{164}{\textcurrency}
995 \DeclareInputText{165}{\~I}
996 \DeclareInputText{166}{\c L}
997 \DeclareInputText{167}{\textsection}
998 \DeclareInputText{168}{\textasciidieresis}
999 \DeclareInputText{169}{\v S}
1000 \DeclareInputText{170}{\@tabacckludge=E}
1001 \DeclareInputText{171}{\c G}
1002 \DeclareInputText{172}{\textTstroke}
1003 \DeclareInputText{173}{\~}
1004 \DeclareInputText{174}{\v Z}
1005 \DeclareInputText{175}{\textasciimacron}
1006 \DeclareInputText{176}{\textdegree}
1007 \DeclareInputText{177}{\k a}
1008 \DeclareInputText{178}{\k{}}
1009 \DeclareInputText{179}{\c r}
1010 \DeclareInputText{180}{\textasciiacute}
1011 \DeclareInputText{181}{\~i}
1012 \DeclareInputText{182}{\c l}
1013 \DeclareInputText{183}{\textasciicaron}
1014 \DeclareInputText{184}{\c \ }
1015 \DeclareInputText{185}{\v s}
1016 \DeclareInputText{186}{\@tabacckludge=e}
1017 \DeclareInputText{187}{\c g}
1018 \DeclareInputText{188}{\texttstroke}
1019 \DeclareInputText{189}{\NG}
1020 \DeclareInputText{190}{\v z}
1021 \DeclareInputText{191}{\ng}
1022 \DeclareInputText{192}{\@tabacckludge=A}
1023 \DeclareInputText{193}{\@tabacckludge'A}
1024 \DeclareInputText{194}{\^A}
1025 \DeclareInputText{195}{\~A}
1026 \DeclareInputText{196}{\ "A}
1027 \DeclareInputText{197}{\r A}
1028 \DeclareInputText{198}{\AE}
1029 \DeclareInputText{199}{\k I}
1030 \DeclareInputText{200}{\v C}
1031 \DeclareInputText{201}{\@tabacckludge'E}
1032 \DeclareInputText{202}{\k E}
1033 \DeclareInputText{203}{\ "E}
1034 \DeclareInputText{204}{\ .E}
1035 \DeclareInputText{205}{\@tabacckludge'I}
1036 \DeclareInputText{206}{\^I}
1037 \DeclareInputText{207}{\@tabacckludge=I}
1038 \DeclareInputText{208}{\DJ}
1039 \DeclareInputText{209}{\c N}
1040 \DeclareInputText{210}{\@tabacckludge=O}

```

```

1041 \DeclareInputText{211}{\c K}
1042 \DeclareInputText{212}{\^O}
1043 \DeclareInputText{213}{\~O}
1044 \DeclareInputText{214}{\^"O}
1045 \DeclareInputText{215}{\texttimes}
1046 \DeclareInputText{216}{\^O}
1047 \DeclareInputText{217}{\k U}
1048 \DeclareInputText{218}{\@tabacckludge'U}
1049 \DeclareInputText{219}{\^U}
1050 \DeclareInputText{220}{\^"U}
1051 \DeclareInputText{221}{\~U}
1052 \DeclareInputText{222}{\@tabacckludge=U}
1053 \DeclareInputText{223}{\ss}
1054 \DeclareInputText{224}{\@tabacckludge=a}
1055 \DeclareInputText{225}{\@tabacckludge'a}
1056 \DeclareInputText{226}{\^a}
1057 \DeclareInputText{227}{\~a}
1058 \DeclareInputText{228}{\^"a}
1059 \DeclareInputText{229}{\r a}
1060 \DeclareInputText{230}{\ae}
1061 \DeclareInputText{231}{\k i}
1062 \DeclareInputText{232}{\v c}
1063 \DeclareInputText{233}{\@tabacckludge'e}
1064 \DeclareInputText{234}{\k e}
1065 \DeclareInputText{235}{\^"e}
1066 \DeclareInputText{236}{\~.e}
1067 \DeclareInputText{237}{\@tabacckludge'i}
1068 \DeclareInputText{238}{\^"i}
1069 \DeclareInputText{239}{\@tabacckludge=i}
1070 \DeclareInputText{240}{\dj}
1071 \DeclareInputText{241}{\c n}
1072 \DeclareInputText{242}{\@tabacckludge=o}
1073 \DeclareInputText{243}{\c k}
1074 \DeclareInputText{244}{\^o}
1075 \DeclareInputText{245}{\~o}
1076 \DeclareInputText{246}{\^"o}
1077 \DeclareInputText{247}{\textdiv}
1078 \DeclareInputText{248}{\o}
1079 \DeclareInputText{249}{\k u}
1080 \DeclareInputText{250}{\@tabacckludge'u}
1081 \DeclareInputText{251}{\^u}
1082 \DeclareInputText{252}{\^"u}
1083 \DeclareInputText{253}{\~u}
1084 \DeclareInputText{254}{\@tabacckludge=u}
1085 \DeclareInputText{255}{\{.}}
1086 \RestoreAtCatcode
1087 </iso-8859-4>

```

## 2.5.8 Encoding iso-8859-5

```

1088 <*iso-8859-5>
1089 \ProvidesFile{x-iso-8859-5.def}%
1090 [2016/05/16 v1.11 Input encoding iso-8859-5 (inputenx)]%
1091 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
1092 \makeatletter
1093 \ProvideTextCommandDefault{\textnumero}{%
1094 N%
1095 \bgroup
1096 \check@mathfonts
1097 \fontsize\sf@size\z@
1098 \math@fontsfalse
1099 \selectfont
1100 \ooalign{%
1101 \raise0.5ex\hbox{o}%

```

```

1102 \crrc
1103 \hline
1104 }%
1105 \egroup
1106 }
1107 \DeclareInputText{160}{\nobreakspace}
1108 \DeclareInputText{161}{\CYRYO}
1109 \DeclareInputText{162}{\CYRDJE}
1110 \DeclareInputText{163}{\@tabacckludge\CYRG}
1111 \DeclareInputText{164}{\CYRIE}
1112 \DeclareInputText{165}{\CYRDZE}
1113 \DeclareInputText{166}{\CYRII}
1114 \DeclareInputText{167}{\CYRYI}
1115 \DeclareInputText{168}{\CYRJE}
1116 \DeclareInputText{169}{\CYRLJE}
1117 \DeclareInputText{170}{\CYRNJE}
1118 \DeclareInputText{171}{\CYRTSHE}
1119 \DeclareInputText{172}{\@tabacckludge\CYRK}
1120 \DeclareInputText{173}{\~}
1121 \DeclareInputText{174}{\CYRUSHRT}
1122 \DeclareInputText{175}{\CYRDZHE}
1123 \DeclareInputText{176}{\CYRA}
1124 \DeclareInputText{177}{\CYRB}
1125 \DeclareInputText{178}{\CYRV}
1126 \DeclareInputText{179}{\CYRG}
1127 \DeclareInputText{180}{\CYRD}
1128 \DeclareInputText{181}{\CYRE}
1129 \DeclareInputText{182}{\CYRZH}
1130 \DeclareInputText{183}{\CYRZ}
1131 \DeclareInputText{184}{\CYRI}
1132 \DeclareInputText{185}{\CYRISHRT}
1133 \DeclareInputText{186}{\CYRK}
1134 \DeclareInputText{187}{\CYRL}
1135 \DeclareInputText{188}{\CYRM}
1136 \DeclareInputText{189}{\CYRN}
1137 \DeclareInputText{190}{\CYRO}
1138 \DeclareInputText{191}{\CYRP}
1139 \DeclareInputText{192}{\CYRR}
1140 \DeclareInputText{193}{\CYRS}
1141 \DeclareInputText{194}{\CYRT}
1142 \DeclareInputText{195}{\CYRU}
1143 \DeclareInputText{196}{\CYRF}
1144 \DeclareInputText{197}{\CYRH}
1145 \DeclareInputText{198}{\CYRC}
1146 \DeclareInputText{199}{\CYRCH}
1147 \DeclareInputText{200}{\CYRSH}
1148 \DeclareInputText{201}{\CYRSHCH}
1149 \DeclareInputText{202}{\CYRHRDSN}
1150 \DeclareInputText{203}{\CYRERY}
1151 \DeclareInputText{204}{\CYRSFTSN}
1152 \DeclareInputText{205}{\CYREREV}
1153 \DeclareInputText{206}{\CYRYU}
1154 \DeclareInputText{207}{\CYRYA}
1155 \DeclareInputText{208}{\cyra}
1156 \DeclareInputText{209}{\cyrb}
1157 \DeclareInputText{210}{\cyrv}
1158 \DeclareInputText{211}{\cyrg}
1159 \DeclareInputText{212}{\cyrd}
1160 \DeclareInputText{213}{\cyre}
1161 \DeclareInputText{214}{\cyrzh}
1162 \DeclareInputText{215}{\cyrz}
1163 \DeclareInputText{216}{\cyri}

```

```

1164 \DeclareInputText{217}{\cyrishrt}
1165 \DeclareInputText{218}{\cyrk}
1166 \DeclareInputText{219}{\cyrll}
1167 \DeclareInputText{220}{\cyrml}
1168 \DeclareInputText{221}{\cyrn}
1169 \DeclareInputText{222}{\cyrro}
1170 \DeclareInputText{223}{\cyrp}
1171 \DeclareInputText{224}{\cyrre}
1172 \DeclareInputText{225}{\cyrse}
1173 \DeclareInputText{226}{\cyrst}
1174 \DeclareInputText{227}{\cyrte}
1175 \DeclareInputText{228}{\cyruf}
1176 \DeclareInputText{229}{\cyrh}
1177 \DeclareInputText{230}{\cyrch}
1178 \DeclareInputText{231}{\cyrsh}
1179 \DeclareInputText{232}{\cyrsh}
1180 \DeclareInputText{233}{\cyrshch}
1181 \DeclareInputText{234}{\cyrhrdsn}
1182 \DeclareInputText{235}{\cyrery}
1183 \DeclareInputText{236}{\cyrstsn}
1184 \DeclareInputText{237}{\cyrerev}
1185 \DeclareInputText{238}{\cyrte}
1186 \DeclareInputText{239}{\cyrta}
1187 \DeclareInputText{240}{\textnumero}
1188 \DeclareInputText{241}{\cyrto}
1189 \DeclareInputText{242}{\cyrde}
1190 \DeclareInputText{243}{\@tabacckludge'\cyrge}
1191 \DeclareInputText{244}{\cyrte}
1192 \DeclareInputText{245}{\cyrde}
1193 \DeclareInputText{246}{\cyrte}
1194 \DeclareInputText{247}{\cyrte}
1195 \DeclareInputText{248}{\cyrte}
1196 \DeclareInputText{249}{\cyrte}
1197 \DeclareInputText{250}{\cyrte}
1198 \DeclareInputText{251}{\cyrtshe}
1199 \DeclareInputText{252}{\@tabacckludge'\cyrk}
1200 \DeclareInputText{253}{\textsection}
1201 \DeclareInputText{254}{\cyrushrt}
1202 \DeclareInputText{255}{\cyrzhe}
1203 \RestoreAtCatcode
1204 </iso-8859-5>

```

### 2.5.9 Encoding iso-8859-8

```

1205 <*iso-8859-8>
1206 \ProvidesFile{x-iso-8859-8.def}%
1207 [2016/05/16 v1.11 Input encoding iso-8859-8 (inputenx)]%
1208 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
1209 \makeatletter
1210 \ProvideTextCommandDefault{\textasciicircum}{%
1211 \@tabacckludge'\}%
1212 }
1213 \ProvideTextCommandDefault{\textasciieresis}{%
1214 \{"}%
1215 }
1216 \ProvideTextCommandDefault{\textasciimacron}{%
1217 \@tabacckludge='\}%
1218 }
1219 \ProvideTextCommandDefault{\textbrokenbar}{%
1220 \TextSymbolUnavailable\textbrokenbar}
1221 }
1222 \ProvideTextCommandDefault{\textcent}{%
1223 \TextSymbolUnavailable\textcent}
1224 }

```

```

1225 \ProvideTextCommandDefault{\textcurrency}{%
1226 \TextSymbolUnavailable\textcurrency
1227 }
1228 \ProvideTextCommandDefault{\textdblrowline}{%
1229 \beginngroup
1230 \sbox0{\textunderscore}%
1231 \leavevmode
1232 \ifdim\dp0<.2ex\relax
1233 \rlap{\raisebox{-0.2ex}[0pt]{\textunderscore}}%
1234 \else
1235 \rlap{\raisebox{.2ex}[0pt]{\textunderscore}}%
1236 \fi
1237 \textunderscore
1238 \endgroup
1239 }
1240 \ProvideTextCommandDefault{\textdegree}{%
1241 \ensuremath{\textcircled{}}}%
1242 }
1243 \ProvideTextCommandDefault{\textdiv}{%
1244 \TextSymbolUnavailable\textdiv
1245 }
1246 \ProvideTextCommandDefault{\textlnot}{%
1247 \ensuremath{\lnot}
1248 }
1249 \ProvideTextCommandDefault{\textmu}{%
1250 \ensuremath{\mu}
1251 }
1252 \ProvideTextCommandDefault{\textonehalf}{%
1253 \ensuremath{\frac{1}{2}}}%
1254 }
1255 \ProvideTextCommandDefault{\textonequarter}{%
1256 \ensuremath{\frac{1}{4}}}%
1257 }
1258 \ProvideTextCommandDefault{\textonesuperior}{%
1259 \ensuremath{\textsuperscript{1}}}%
1260 }
1261 \ProvideTextCommandDefault{\textpm}{%
1262 \ensuremath{\text{pm}}
1263 }
1264 \ProvideTextCommandDefault{\textthreequarters}{%
1265 \ensuremath{\frac{3}{4}}}%
1266 }
1267 \ProvideTextCommandDefault{\textthreesuperior}{%
1268 \ensuremath{\textsuperscript{3}}}%
1269 }
1270 \ProvideTextCommandDefault{\texttimes}{%
1271 \ensuremath{\text{times}}
1272 }
1273 \ProvideTextCommandDefault{\texttwosuperior}{%
1274 \ensuremath{\textsuperscript{2}}}%
1275 }
1276 \ProvideTextCommandDefault{\textyen}{%
1277 \TextSymbolUnavailable\textyen
1278 }
1279 \DeclareInputText{160}{\nobreakspace}
1280 \DeclareInputText{162}{\textcent}
1281 \DeclareInputText{163}{\textsterling}
1282 \DeclareInputText{164}{\textcurrency}
1283 \DeclareInputText{165}{\textyen}
1284 \DeclareInputText{166}{\textbrokenbar}
1285 \DeclareInputText{167}{\textsection}
1286 \DeclareInputText{168}{\textasciidieresis}

```

```

1287 \DeclareInputText{169}{\textcopyright}
1288 \DeclareInputText{170}{\texttimes}
1289 \DeclareInputText{171}{\guillemotleft}
1290 \DeclareInputText{172}{\textlnot}
1291 \DeclareInputText{173}{\textasciicaron}
1292 \DeclareInputText{174}{\textregistered}
1293 \DeclareInputText{175}{\textasciimacron}
1294 \DeclareInputText{176}{\textdegree}
1295 \DeclareInputText{177}{\textpm}
1296 \DeclareInputText{178}{\texttwosuperior}
1297 \DeclareInputText{179}{\textthreesuperior}
1298 \DeclareInputText{180}{\textasciiacute}
1299 \DeclareInputText{181}{\textmu}
1300 \DeclareInputText{182}{\textparagraph}
1301 \DeclareInputText{183}{\textperiodcentered}
1302 \DeclareInputText{184}{\c }
1303 \DeclareInputText{185}{\textonesuperior}
1304 \DeclareInputText{186}{\textdiv}
1305 \DeclareInputText{187}{\guillemotright}
1306 \DeclareInputText{188}{\textonequarter}
1307 \DeclareInputText{189}{\textonehalf}
1308 \DeclareInputText{190}{\textthreequarters}
1309 \DeclareInputText{223}{\textdbllowline}
1310 \DeclareInputText{224}{\hebalef}
1311 \DeclareInputText{225}{\hebbet}
1312 \DeclareInputText{226}{\hebgimel}
1313 \DeclareInputText{227}{\hebdalet}
1314 \DeclareInputText{228}{\hebhe}
1315 \DeclareInputText{229}{\hebvav}
1316 \DeclareInputText{230}{\hebzayin}
1317 \DeclareInputText{231}{\hebhet}
1318 \DeclareInputText{232}{\hebtet}
1319 \DeclareInputText{233}{\hebyod}
1320 \DeclareInputText{234}{\hebfinalkaf}
1321 \DeclareInputText{235}{\hebkafe}
1322 \DeclareInputText{236}{\heblamed}
1323 \DeclareInputText{237}{\hebfinalmem}
1324 \DeclareInputText{238}{\hebmeme}
1325 \DeclareInputText{239}{\hebfinalnun}
1326 \DeclareInputText{240}{\hebnun}
1327 \DeclareInputText{241}{\hebsamekh}
1328 \DeclareInputText{242}{\hebayin}
1329 \DeclareInputText{243}{\hebfinalpe}
1330 \DeclareInputText{244}{\hebpe}
1331 \DeclareInputText{245}{\hebfinaltsadi}
1332 \DeclareInputText{246}{\hebtsadi}
1333 \DeclareInputText{247}{\hebqof}
1334 \DeclareInputText{248}{\hebresh}
1335 \DeclareInputText{249}{\hebshin}
1336 \DeclareInputText{250}{\hebtav}
1337 \RestoreAtCatcode
1338 </iso-8859-8>

```

### 2.5.10 Encoding iso-8859-9

```

1339 <*iso-8859-9>
1340 \ProvidesFile{x-iso-8859-9.def}%
1341 [2016/05/16 v1.11 Input encoding iso-8859-9 (inputenx)]%
1342 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
1343 \makeatletter
1344 \ProvideTextCommandDefault{\textasciiacute}{%
1345 \@tabacckludge'}%
1346 }
1347 \ProvideTextCommandDefault{\textasciidieresis}{%

```

```

1348 \{}%
1349 }
1350 \ProvideTextCommandDefault{\textasciimacron}{%
1351 \@tabacckludge={}%
1352 }
1353 \ProvideTextCommandDefault{\textbrokenbar}{%
1354 \TextSymbolUnavailable\textbrokenbar
1355 }
1356 \ProvideTextCommandDefault{\textcent}{%
1357 \TextSymbolUnavailable\textcent
1358 }
1359 \ProvideTextCommandDefault{\textcurrency}{%
1360 \TextSymbolUnavailable\textcurrency
1361 }
1362 \ProvideTextCommandDefault{\textdegree}{%
1363 \ensuremath{\text{\textcircled{}}}%
1364 }
1365 \ProvideTextCommandDefault{\textdiv}{%
1366 \TextSymbolUnavailable\textdiv
1367 }
1368 \ProvideTextCommandDefault{\textlnot}{%
1369 \ensuremath{\text{\textnot}}%
1370 }
1371 \ProvideTextCommandDefault{\textmu}{%
1372 \ensuremath{\text{\textmu}}%
1373 }
1374 \ProvideTextCommandDefault{\textonehalf}{%
1375 \ensuremath{\text{\frac{1}{2}}}%
1376 }
1377 \ProvideTextCommandDefault{\textonequarter}{%
1378 \ensuremath{\text{\frac{1}{4}}}%
1379 }
1380 \ProvideTextCommandDefault{\textonesuperior}{%
1381 \ensuremath{\text{\textsuperscript{1}}}%
1382 }
1383 \ProvideTextCommandDefault{\textpm}{%
1384 \ensuremath{\text{\textpm}}%
1385 }
1386 \ProvideTextCommandDefault{\textthreequarters}{%
1387 \ensuremath{\text{\frac{3}{4}}}%
1388 }
1389 \ProvideTextCommandDefault{\textthreesuperior}{%
1390 \ensuremath{\text{\textsuperscript{3}}}%
1391 }
1392 \ProvideTextCommandDefault{\texttimes}{%
1393 \ensuremath{\text{\texttimes}}%
1394 }
1395 \ProvideTextCommandDefault{\texttwosuperior}{%
1396 \ensuremath{\text{\textsuperscript{2}}}%
1397 }
1398 \ProvideTextCommandDefault{\textyen}{%
1399 \TextSymbolUnavailable\textyen
1400 }
1401 \DeclareInputText{160}{\nobreakspace}
1402 \DeclareInputText{161}{\textexclamdown}
1403 \DeclareInputText{162}{\textcent}
1404 \DeclareInputText{163}{\textsterling}
1405 \DeclareInputText{164}{\textcurrency}
1406 \DeclareInputText{165}{\textyen}
1407 \DeclareInputText{166}{\textbrokenbar}
1408 \DeclareInputText{167}{\textsection}
1409 \DeclareInputText{168}{\textasciidieresis}

```

1410 \DeclareInputText{169}{\textcopyright}  
1411 \DeclareInputText{170}{\textordfeminine}  
1412 \DeclareInputText{171}{\guillemotleft}  
1413 \DeclareInputText{172}{\textlnot}  
1414 \DeclareInputText{173}{\textasciimacron}  
1415 \DeclareInputText{174}{\textregistered}  
1416 \DeclareInputText{175}{\textasciimacron}  
1417 \DeclareInputText{176}{\textdegree}  
1418 \DeclareInputText{177}{\textpm}  
1419 \DeclareInputText{178}{\texttwosuperior}  
1420 \DeclareInputText{179}{\textthreesuperior}  
1421 \DeclareInputText{180}{\textasciicircum}  
1422 \DeclareInputText{181}{\textmu}  
1423 \DeclareInputText{182}{\textparagraph}  
1424 \DeclareInputText{183}{\textperiodcentered}  
1425 \DeclareInputText{184}{\c }  
1426 \DeclareInputText{185}{\textonesuperior}  
1427 \DeclareInputText{186}{\textordmasculine}  
1428 \DeclareInputText{187}{\guillemotright}  
1429 \DeclareInputText{188}{\textonequarter}  
1430 \DeclareInputText{189}{\textonehalf}  
1431 \DeclareInputText{190}{\textthreequarters}  
1432 \DeclareInputText{191}{\textquestiondown}  
1433 \DeclareInputText{192}{\@tabacckludge`A}  
1434 \DeclareInputText{193}{\@tabacckludge'A}  
1435 \DeclareInputText{194}{^A}  
1436 \DeclareInputText{195}{\~A}  
1437 \DeclareInputText{196}{\`A}  
1438 \DeclareInputText{197}{\r A}  
1439 \DeclareInputText{198}{\AE}  
1440 \DeclareInputText{199}{\c C}  
1441 \DeclareInputText{200}{\@tabacckludge`E}  
1442 \DeclareInputText{201}{\@tabacckludge'E}  
1443 \DeclareInputText{202}{\^E}  
1444 \DeclareInputText{203}{\`E}  
1445 \DeclareInputText{204}{\@tabacckludge`I}  
1446 \DeclareInputText{205}{\@tabacckludge'I}  
1447 \DeclareInputText{206}{\^I}  
1448 \DeclareInputText{207}{\`I}  
1449 \DeclareInputText{208}{\u G}  
1450 \DeclareInputText{209}{\~N}  
1451 \DeclareInputText{210}{\@tabacckludge`O}  
1452 \DeclareInputText{211}{\@tabacckludge'O}  
1453 \DeclareInputText{212}{\^O}  
1454 \DeclareInputText{213}{\~O}  
1455 \DeclareInputText{214}{\`O}  
1456 \DeclareInputText{215}{\texttimes}  
1457 \DeclareInputText{216}{\O}  
1458 \DeclareInputText{217}{\@tabacckludge`U}  
1459 \DeclareInputText{218}{\@tabacckludge'U}  
1460 \DeclareInputText{219}{\^U}  
1461 \DeclareInputText{220}{\`U}  
1462 \DeclareInputText{221}{\i}  
1463 \DeclareInputText{222}{\c S}  
1464 \DeclareInputText{223}{\ss}  
1465 \DeclareInputText{224}{\@tabacckludge`a}  
1466 \DeclareInputText{225}{\@tabacckludge'a}  
1467 \DeclareInputText{226}{\^a}  
1468 \DeclareInputText{227}{\~a}  
1469 \DeclareInputText{228}{\`a}  
1470 \DeclareInputText{229}{\r a}  
1471 \DeclareInputText{230}{\ae}

```

1472 \DeclareInputText{231}{\c c}
1473 \DeclareInputText{232}{\@tabacckludge`e}
1474 \DeclareInputText{233}{\@tabacckludge'e}
1475 \DeclareInputText{234}{\^e}
1476 \DeclareInputText{235}{\`e}
1477 \DeclareInputText{236}{\@tabacckludge`i}
1478 \DeclareInputText{237}{\@tabacckludge'i}
1479 \DeclareInputText{238}{\^i}
1480 \DeclareInputText{239}{\`i}
1481 \DeclareInputText{240}{\u g}
1482 \DeclareInputText{241}{\~n}
1483 \DeclareInputText{242}{\@tabacckludge`o}
1484 \DeclareInputText{243}{\@tabacckludge'o}
1485 \DeclareInputText{244}{\^o}
1486 \DeclareInputText{245}{\~o}
1487 \DeclareInputText{246}{\`o}
1488 \DeclareInputText{247}{\textdiv}
1489 \DeclareInputText{248}{\o}
1490 \DeclareInputText{249}{\@tabacckludge`u}
1491 \DeclareInputText{250}{\@tabacckludge'u}
1492 \DeclareInputText{251}{\^u}
1493 \DeclareInputText{252}{\`u}
1494 \DeclareInputText{253}{\i}
1495 \DeclareInputText{254}{\c s}
1496 \DeclareInputText{255}{\`y}
1497 \RestoreAtCatcode
1498 </iso-8859-9>

```

### 2.5.11 Encoding iso-8859-10

```

1499 <*iso-8859-10>
1500 \ProvidesFile{x-iso-8859-10.def}%
1501 [2016/05/16 v1.11 Input encoding iso-8859-10 (inputenx)]%
1502 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
1503 \makeatletter
1504 \ProvideTextCommandDefault{\textTstroke}{%
1505 \TextSymbolUnavailable\textTstroke
1506 }
1507 \ProvideTextCommandDefault{\textdegree}{%
1508 \ensuremath{\^{\circ}}}%
1509 }
1510 \ProvideTextCommandDefault{\texthorizontalbar}{%
1511 \mbox{---}\kern-.5em---}%
1512 }
1513 \ProvideTextCommandDefault{\textkra}{%
1514 \TextSymbolUnavailable\textkra
1515 }
1516 \ProvideTextCommandDefault{\texttstroke}{%
1517 \TextSymbolUnavailable\texttstroke
1518 }
1519 \DeclareInputText{160}{\nobreakspace}
1520 \DeclareInputText{161}{\k A}
1521 \DeclareInputText{162}{\@tabacckludge=E}
1522 \DeclareInputText{163}{\c G}
1523 \DeclareInputText{164}{\@tabacckludge=I}
1524 \DeclareInputText{165}{\~I}
1525 \DeclareInputText{166}{\c K}
1526 \DeclareInputText{167}{\textsection}
1527 \DeclareInputText{168}{\c L}
1528 \DeclareInputText{169}{\DJ}
1529 \DeclareInputText{170}{\v S}
1530 \DeclareInputText{171}{\textTstroke}
1531 \DeclareInputText{172}{\v Z}
1532 \DeclareInputText{173}{\~}

```

1533 \DeclareInputText{174}{\@tabacckludge=U}  
1534 \DeclareInputText{175}{\NG}  
1535 \DeclareInputText{176}{\textdegree}  
1536 \DeclareInputText{177}{\k a}  
1537 \DeclareInputText{178}{\@tabacckludge=e}  
1538 \DeclareInputText{179}{\c g}  
1539 \DeclareInputText{180}{\@tabacckludge=i}  
1540 \DeclareInputText{181}{\~i}  
1541 \DeclareInputText{182}{\c k}  
1542 \DeclareInputText{183}{\textperiodcentered}  
1543 \DeclareInputText{184}{\c l}  
1544 \DeclareInputText{185}{\dj}  
1545 \DeclareInputText{186}{\v s}  
1546 \DeclareInputText{187}{\texttstroke}  
1547 \DeclareInputText{188}{\v z}  
1548 \DeclareInputText{189}{\texthorizontalbar}  
1549 \DeclareInputText{190}{\@tabacckludge=u}  
1550 \DeclareInputText{191}{\ng}  
1551 \DeclareInputText{192}{\@tabacckludge=A}  
1552 \DeclareInputText{193}{\@tabacckludge'A}  
1553 \DeclareInputText{194}{\^A}  
1554 \DeclareInputText{195}{\~A}  
1555 \DeclareInputText{196}{\ "A}  
1556 \DeclareInputText{197}{\r A}  
1557 \DeclareInputText{198}{\AE}  
1558 \DeclareInputText{199}{\k I}  
1559 \DeclareInputText{200}{\v C}  
1560 \DeclareInputText{201}{\@tabacckludge'E}  
1561 \DeclareInputText{202}{\k E}  
1562 \DeclareInputText{203}{\ "E}  
1563 \DeclareInputText{204}{\ .E}  
1564 \DeclareInputText{205}{\@tabacckludge'I}  
1565 \DeclareInputText{206}{\^I}  
1566 \DeclareInputText{207}{\ "I}  
1567 \DeclareInputText{208}{\DH}  
1568 \DeclareInputText{209}{\c N}  
1569 \DeclareInputText{210}{\@tabacckludge=O}  
1570 \DeclareInputText{211}{\@tabacckludge'O}  
1571 \DeclareInputText{212}{\^O}  
1572 \DeclareInputText{213}{\~O}  
1573 \DeclareInputText{214}{\ "O}  
1574 \DeclareInputText{215}{\~U}  
1575 \DeclareInputText{216}{\O}  
1576 \DeclareInputText{217}{\k U}  
1577 \DeclareInputText{218}{\@tabacckludge'U}  
1578 \DeclareInputText{219}{\^U}  
1579 \DeclareInputText{220}{\ "U}  
1580 \DeclareInputText{221}{\@tabacckludge'Y}  
1581 \DeclareInputText{222}{\TH}  
1582 \DeclareInputText{223}{\ss}  
1583 \DeclareInputText{224}{\@tabacckludge=a}  
1584 \DeclareInputText{225}{\@tabacckludge'a}  
1585 \DeclareInputText{226}{\^a}  
1586 \DeclareInputText{227}{\~a}  
1587 \DeclareInputText{228}{\ "a}  
1588 \DeclareInputText{229}{\r a}  
1589 \DeclareInputText{230}{\ae}  
1590 \DeclareInputText{231}{\k i}  
1591 \DeclareInputText{232}{\v c}  
1592 \DeclareInputText{233}{\@tabacckludge'e}  
1593 \DeclareInputText{234}{\k e}  
1594 \DeclareInputText{235}{\ "e}

```

1595 \DeclareInputText{236}{\e}
1596 \DeclareInputText{237}{\@tabacckludge'i}
1597 \DeclareInputText{238}{\^i}
1598 \DeclareInputText{239}{\i}
1599 \DeclareInputText{240}{\dh}
1600 \DeclareInputText{241}{\c n}
1601 \DeclareInputText{242}{\@tabacckludge=o}
1602 \DeclareInputText{243}{\@tabacckludge'o}
1603 \DeclareInputText{244}{\^o}
1604 \DeclareInputText{245}{\~o}
1605 \DeclareInputText{246}{\o}
1606 \DeclareInputText{247}{\~u}
1607 \DeclareInputText{248}{\o}
1608 \DeclareInputText{249}{\k u}
1609 \DeclareInputText{250}{\@tabacckludge'u}
1610 \DeclareInputText{251}{\~u}
1611 \DeclareInputText{252}{\u}
1612 \DeclareInputText{253}{\@tabacckludge'y}
1613 \DeclareInputText{254}{\th}
1614 \DeclareInputText{255}{\textkra}
1615 \RestoreAtCatcode
1616 </iso-8859-10>

```

## 2.5.12 Encoding iso-8859-13

```

1617 <*iso-8859-13>
1618 \ProvidesFile{x-iso-8859-13.def}%
1619 [2016/05/16 v1.11 Input encoding iso-8859-13 (inputenx)]%
1620 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
1621 \makeatletter
1622 \ProvideTextCommandDefault{\textbrokenbar}{%
1623 \TextSymbolUnavailable\textbrokenbar
1624 }
1625 \ProvideTextCommandDefault{\textcent}{%
1626 \TextSymbolUnavailable\textcent
1627 }
1628 \ProvideTextCommandDefault{\textcurrency}{%
1629 \TextSymbolUnavailable\textcurrency
1630 }
1631 \ProvideTextCommandDefault{\textdegree}{%
1632 \ensuremath{\textcircled{~}}}%
1633 }
1634 \ProvideTextCommandDefault{\textdiv}{%
1635 \TextSymbolUnavailable\textdiv
1636 }
1637 \ProvideTextCommandDefault{\textlnot}{%
1638 \ensuremath{\lnot}
1639 }
1640 \ProvideTextCommandDefault{\textmu}{%
1641 \ensuremath{\mu}
1642 }
1643 \ProvideTextCommandDefault{\textonehalf}{%
1644 \ensuremath{\frac{1}{2}}}%
1645 }
1646 \ProvideTextCommandDefault{\textonequarter}{%
1647 \ensuremath{\frac{1}{4}}}%
1648 }
1649 \ProvideTextCommandDefault{\textonesuperior}{%
1650 \ensuremath{\textsuperscript{1}}}%
1651 }
1652 \ProvideTextCommandDefault{\textpm}{%
1653 \ensuremath{\text{pm}}
1654 }
1655 \ProvideTextCommandDefault{\textthreequarters}{%

```

```

1656 \ensuremath{\frac{3}{4}}%
1657 }
1658 \ProvideTextCommandDefault{\textthreesuperior}{%
1659 \ensuremath{{}^3}}%
1660 }
1661 \ProvideTextCommandDefault{\texttimes}{%
1662 \ensuremath\times
1663 }
1664 \ProvideTextCommandDefault{\texttwosuperior}{%
1665 \ensuremath{{}^2}}%
1666 }
1667 \DeclareInputText{160}{\nobreakspace}
1668 \DeclareInputText{161}{\textquotedblright}
1669 \DeclareInputText{162}{\textcent}
1670 \DeclareInputText{163}{\textsterling}
1671 \DeclareInputText{164}{\textcurrency}
1672 \DeclareInputText{165}{\quotedblbase}
1673 \DeclareInputText{166}{\textbrokenbar}
1674 \DeclareInputText{167}{\textsection}
1675 \DeclareInputText{168}{\O}
1676 \DeclareInputText{169}{\textcopyright}
1677 \DeclareInputText{170}{\c R}
1678 \DeclareInputText{171}{\guillemotleft}
1679 \DeclareInputText{172}{\textlnot}
1680 \DeclareInputText{173}{\~}
1681 \DeclareInputText{174}{\textregistered}
1682 \DeclareInputText{175}{\AE}
1683 \DeclareInputText{176}{\textdegree}
1684 \DeclareInputText{177}{\textpm}
1685 \DeclareInputText{178}{\texttwosuperior}
1686 \DeclareInputText{179}{\textthreesuperior}
1687 \DeclareInputText{180}{\textquotedblleft}
1688 \DeclareInputText{181}{\textmu}
1689 \DeclareInputText{182}{\textparagraph}
1690 \DeclareInputText{183}{\textperiodcentered}
1691 \DeclareInputText{184}{\o}
1692 \DeclareInputText{185}{\textonesuperior}
1693 \DeclareInputText{186}{\c r}
1694 \DeclareInputText{187}{\guillemotright}
1695 \DeclareInputText{188}{\textonequarter}
1696 \DeclareInputText{189}{\textonehalf}
1697 \DeclareInputText{190}{\textthreequarters}
1698 \DeclareInputText{191}{\ae}
1699 \DeclareInputText{192}{\k A}
1700 \DeclareInputText{193}{\k I}
1701 \DeclareInputText{194}{\@tabacckludge=A}
1702 \DeclareInputText{195}{\@tabacckludge'C}
1703 \DeclareInputText{196}{\ "A}
1704 \DeclareInputText{197}{\r A}
1705 \DeclareInputText{198}{\k E}
1706 \DeclareInputText{199}{\@tabacckludge=E}
1707 \DeclareInputText{200}{\v C}
1708 \DeclareInputText{201}{\@tabacckludge'E}
1709 \DeclareInputText{202}{\@tabacckludge'Z}
1710 \DeclareInputText{203}{\ .E}
1711 \DeclareInputText{204}{\c G}
1712 \DeclareInputText{205}{\c K}
1713 \DeclareInputText{206}{\@tabacckludge=I}
1714 \DeclareInputText{207}{\c L}
1715 \DeclareInputText{208}{\v S}
1716 \DeclareInputText{209}{\@tabacckludge'N}
1717 \DeclareInputText{210}{\c N}

```

```

1718 \DeclareInputText{211}{\@tabacckludge'O}
1719 \DeclareInputText{212}{\@tabacckludge=O}
1720 \DeclareInputText{213}{\~O}
1721 \DeclareInputText{214}{"O}
1722 \DeclareInputText{215}{\texttimes}
1723 \DeclareInputText{216}{\k U}
1724 \DeclareInputText{217}{\L}
1725 \DeclareInputText{218}{\@tabacckludge'S}
1726 \DeclareInputText{219}{\@tabacckludge=U}
1727 \DeclareInputText{220}{\U}
1728 \DeclareInputText{221}{\Z}
1729 \DeclareInputText{222}{\v Z}
1730 \DeclareInputText{223}{\ss}
1731 \DeclareInputText{224}{\k a}
1732 \DeclareInputText{225}{\k i}
1733 \DeclareInputText{226}{\@tabacckludge=a}
1734 \DeclareInputText{227}{\@tabacckludge'c}
1735 \DeclareInputText{228}{\a}
1736 \DeclareInputText{229}{\r a}
1737 \DeclareInputText{230}{\k e}
1738 \DeclareInputText{231}{\@tabacckludge=e}
1739 \DeclareInputText{232}{\v c}
1740 \DeclareInputText{233}{\@tabacckludge'e}
1741 \DeclareInputText{234}{\@tabacckludge'z}
1742 \DeclareInputText{235}{\e}
1743 \DeclareInputText{236}{\c g}
1744 \DeclareInputText{237}{\c k}
1745 \DeclareInputText{238}{\@tabacckludge=i}
1746 \DeclareInputText{239}{\c l}
1747 \DeclareInputText{240}{\v s}
1748 \DeclareInputText{241}{\@tabacckludge'n}
1749 \DeclareInputText{242}{\c n}
1750 \DeclareInputText{243}{\@tabacckludge'o}
1751 \DeclareInputText{244}{\@tabacckludge=o}
1752 \DeclareInputText{245}{\~o}
1753 \DeclareInputText{246}{"o}
1754 \DeclareInputText{247}{\textdiv}
1755 \DeclareInputText{248}{\k u}
1756 \DeclareInputText{249}{\l}
1757 \DeclareInputText{250}{\@tabacckludge's}
1758 \DeclareInputText{251}{\@tabacckludge=u}
1759 \DeclareInputText{252}{\u}
1760 \DeclareInputText{253}{\z}
1761 \DeclareInputText{254}{\v z}
1762 \DeclareInputText{255}{\textquoteright}
1763 \RestoreAtCatcode
1764 </iso-8859-13>

```

### 2.5.13 Encoding iso-8859-14

```

1765 <*iso-8859-14>
1766 \ProvidesFile{x-iso-8859-14.def}%
1767 [2016/05/16 v1.11 Input encoding iso-8859-14 (inputenx)]%
1768 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
1769 \makeatletter
1770 \DeclareInputText{160}{\nobreakspace}
1771 \DeclareInputText{161}{\B}
1772 \DeclareInputText{162}{\b}
1773 \DeclareInputText{163}{\textsterling}
1774 \DeclareInputText{164}{\C}
1775 \DeclareInputText{165}{\c}
1776 \DeclareInputText{166}{\D}
1777 \DeclareInputText{167}{\textsection}
1778 \DeclareInputText{168}{\@tabacckludge`W}

```

1779 \DeclareInputText{169}{\textcopyright}  
1780 \DeclareInputText{170}{\@tabacckludge'W}  
1781 \DeclareInputText{171}{\ .d}  
1782 \DeclareInputText{172}{\@tabacckludge`Y}  
1783 \DeclareInputText{173}{\ -}  
1784 \DeclareInputText{174}{\textregistered}  
1785 \DeclareInputText{175}{\ "Y}  
1786 \DeclareInputText{176}{\ .F}  
1787 \DeclareInputText{177}{\ .f}  
1788 \DeclareInputText{178}{\ .G}  
1789 \DeclareInputText{179}{\ .g}  
1790 \DeclareInputText{180}{\ .M}  
1791 \DeclareInputText{181}{\ .m}  
1792 \DeclareInputText{182}{\textparagraph}  
1793 \DeclareInputText{183}{\ .P}  
1794 \DeclareInputText{184}{\@tabacckludge`w}  
1795 \DeclareInputText{185}{\ .p}  
1796 \DeclareInputText{186}{\@tabacckludge'w}  
1797 \DeclareInputText{187}{\ .S}  
1798 \DeclareInputText{188}{\@tabacckludge`y}  
1799 \DeclareInputText{189}{\ "W}  
1800 \DeclareInputText{190}{\ "w}  
1801 \DeclareInputText{191}{\ .s}  
1802 \DeclareInputText{192}{\@tabacckludge`A}  
1803 \DeclareInputText{193}{\@tabacckludge'A}  
1804 \DeclareInputText{194}{\ ^A}  
1805 \DeclareInputText{195}{\ ~A}  
1806 \DeclareInputText{196}{\ "A}  
1807 \DeclareInputText{197}{\ r A}  
1808 \DeclareInputText{198}{\ AE}  
1809 \DeclareInputText{199}{\ c C}  
1810 \DeclareInputText{200}{\@tabacckludge`E}  
1811 \DeclareInputText{201}{\@tabacckludge'E}  
1812 \DeclareInputText{202}{\ ^E}  
1813 \DeclareInputText{203}{\ "E}  
1814 \DeclareInputText{204}{\@tabacckludge`I}  
1815 \DeclareInputText{205}{\@tabacckludge'I}  
1816 \DeclareInputText{206}{\ ^I}  
1817 \DeclareInputText{207}{\ "I}  
1818 \DeclareInputText{208}{\ ^W}  
1819 \DeclareInputText{209}{\ ~N}  
1820 \DeclareInputText{210}{\@tabacckludge`O}  
1821 \DeclareInputText{211}{\@tabacckludge'O}  
1822 \DeclareInputText{212}{\ ^O}  
1823 \DeclareInputText{213}{\ ~O}  
1824 \DeclareInputText{214}{\ "O}  
1825 \DeclareInputText{215}{\ .T}  
1826 \DeclareInputText{216}{\ O}  
1827 \DeclareInputText{217}{\@tabacckludge`U}  
1828 \DeclareInputText{218}{\@tabacckludge'U}  
1829 \DeclareInputText{219}{\ ^U}  
1830 \DeclareInputText{220}{\ "U}  
1831 \DeclareInputText{221}{\@tabacckludge'Y}  
1832 \DeclareInputText{222}{\ ^Y}  
1833 \DeclareInputText{223}{\ss}  
1834 \DeclareInputText{224}{\@tabacckludge`a}  
1835 \DeclareInputText{225}{\@tabacckludge'a}  
1836 \DeclareInputText{226}{\ ^a}  
1837 \DeclareInputText{227}{\ ~a}  
1838 \DeclareInputText{228}{\ "a}  
1839 \DeclareInputText{229}{\ r a}  
1840 \DeclareInputText{230}{\ae}

```

1841 \DeclareInputText{231}{\c c}
1842 \DeclareInputText{232}{\@tabacckludge`e}
1843 \DeclareInputText{233}{\@tabacckludge'e}
1844 \DeclareInputText{234}{\^e}
1845 \DeclareInputText{235}{\"e}
1846 \DeclareInputText{236}{\@tabacckludge`i}
1847 \DeclareInputText{237}{\@tabacckludge'i}
1848 \DeclareInputText{238}{\^i}
1849 \DeclareInputText{239}{\"i}
1850 \DeclareInputText{240}{\^w}
1851 \DeclareInputText{241}{\~n}
1852 \DeclareInputText{242}{\@tabacckludge`o}
1853 \DeclareInputText{243}{\@tabacckludge'o}
1854 \DeclareInputText{244}{\^o}
1855 \DeclareInputText{245}{\~o}
1856 \DeclareInputText{246}{\"o}
1857 \DeclareInputText{247}{\t}
1858 \DeclareInputText{248}{\o}
1859 \DeclareInputText{249}{\@tabacckludge`u}
1860 \DeclareInputText{250}{\@tabacckludge'u}
1861 \DeclareInputText{251}{\^u}
1862 \DeclareInputText{252}{\"u}
1863 \DeclareInputText{253}{\@tabacckludge'y}
1864 \DeclareInputText{254}{\^y}
1865 \DeclareInputText{255}{\"y}
1866 \RestoreAtCatcode
1867 </iso-8859-14>

```

#### 2.5.14 Encoding iso-8859-15

```

1868 <*iso-8859-15>
1869 \ProvidesFile{x-iso-8859-15.def}%
1870 [2016/05/16 v1.11 Input encoding iso-8859-15 (inputenx)]%
1871 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
1872 \makeatletter
1873 \ProvideTextCommandDefault{\textasciimacron}{}%
1874 \@tabacckludge={}%
1875 }
1876 \ProvideTextCommandDefault{\textcent}{}%
1877 \TextSymbolUnavailable\textcent
1878 }
1879 \ProvideTextCommandDefault{\textdegree}{}%
1880 \ensuremath{{\^{\circ}}}%
1881 }
1882 \ProvideTextCommandDefault{\textdiv}{}%
1883 \TextSymbolUnavailable\textdiv
1884 }
1885 \ProvideTextCommandDefault{\texteuro}{}%
1886 \TextSymbolUnavailable\texteuro
1887 }
1888 \ProvideTextCommandDefault{\textlnot}{}%
1889 \ensuremath{\lnot}
1890 }
1891 \ProvideTextCommandDefault{\textmu}{}%
1892 \ensuremath{\mu}
1893 }
1894 \ProvideTextCommandDefault{\textonesuperior}{}%
1895 \ensuremath{{\^1}}%
1896 }
1897 \ProvideTextCommandDefault{\textpm}{}%
1898 \ensuremath{\pm}
1899 }
1900 \ProvideTextCommandDefault{\textthreesuperior}{}%
1901 \ensuremath{{\^3}}%

```

```

1902 }
1903 \ProvideTextCommandDefault{\texttimes}{%
1904 \ensuremath\times
1905 }
1906 \ProvideTextCommandDefault{\texttwosuperior}{%
1907 \ensuremath{\textsuperscript{2}}%
1908 }
1909 \ProvideTextCommandDefault{\textyen}{%
1910 \TextSymbolUnavailable\textyen
1911 }
1912 \DeclareInputText{160}{\nobreakspace}
1913 \DeclareInputText{161}{\textexclamdown}
1914 \DeclareInputText{162}{\textcent}
1915 \DeclareInputText{163}{\textsterling}
1916 \DeclareInputText{164}{\texteuro}
1917 \DeclareInputText{165}{\textyen}
1918 \DeclareInputText{166}{\v S}
1919 \DeclareInputText{167}{\textsection}
1920 \DeclareInputText{168}{\v s}
1921 \DeclareInputText{169}{\textcopyright}
1922 \DeclareInputText{170}{\textordfeminine}
1923 \DeclareInputText{171}{\guillemotleft}
1924 \DeclareInputText{172}{\textlnot}
1925 \DeclareInputText{173}{\~}
1926 \DeclareInputText{174}{\textregistered}
1927 \DeclareInputText{175}{\textasciimacron}
1928 \DeclareInputText{176}{\textdegree}
1929 \DeclareInputText{177}{\textpm}
1930 \DeclareInputText{178}{\texttwosuperior}
1931 \DeclareInputText{179}{\textthreesuperior}
1932 \DeclareInputText{180}{\v Z}
1933 \DeclareInputText{181}{\textmu}
1934 \DeclareInputText{182}{\textparagraph}
1935 \DeclareInputText{183}{\textperiodcentered}
1936 \DeclareInputText{184}{\v z}
1937 \DeclareInputText{185}{\textonesuperior}
1938 \DeclareInputText{186}{\textordmasculine}
1939 \DeclareInputText{187}{\guillemotright}
1940 \DeclareInputText{188}{\OE}
1941 \DeclareInputText{189}{\oe}
1942 \DeclareInputText{190}{\`Y}
1943 \DeclareInputText{191}{\textquestiondown}
1944 \DeclareInputText{192}{\@tabacckludge`A}
1945 \DeclareInputText{193}{\@tabacckludge'A}
1946 \DeclareInputText{194}{\^A}
1947 \DeclareInputText{195}{\~A}
1948 \DeclareInputText{196}{\`A}
1949 \DeclareInputText{197}{\r A}
1950 \DeclareInputText{198}{\AE}
1951 \DeclareInputText{199}{\c C}
1952 \DeclareInputText{200}{\@tabacckludge`E}
1953 \DeclareInputText{201}{\@tabacckludge'E}
1954 \DeclareInputText{202}{\^E}
1955 \DeclareInputText{203}{\`E}
1956 \DeclareInputText{204}{\@tabacckludge`I}
1957 \DeclareInputText{205}{\@tabacckludge'I}
1958 \DeclareInputText{206}{\^I}
1959 \DeclareInputText{207}{\`I}
1960 \DeclareInputText{208}{\DH}
1961 \DeclareInputText{209}{\~N}
1962 \DeclareInputText{210}{\@tabacckludge`O}
1963 \DeclareInputText{211}{\@tabacckludge'O}

```

```

1964 \DeclareInputText{212}{\^O}
1965 \DeclareInputText{213}{\~O}
1966 \DeclareInputText{214}{\^O}
1967 \DeclareInputText{215}{\texttimes}
1968 \DeclareInputText{216}{\O}
1969 \DeclareInputText{217}{\@tabacckludge`U}
1970 \DeclareInputText{218}{\@tabacckludge'U}
1971 \DeclareInputText{219}{\^U}
1972 \DeclareInputText{220}{\^U}
1973 \DeclareInputText{221}{\@tabacckludge'Y}
1974 \DeclareInputText{222}{\TH}
1975 \DeclareInputText{223}{\ss}
1976 \DeclareInputText{224}{\@tabacckludge`a}
1977 \DeclareInputText{225}{\@tabacckludge'a}
1978 \DeclareInputText{226}{\^a}
1979 \DeclareInputText{227}{\~a}
1980 \DeclareInputText{228}{\^a}
1981 \DeclareInputText{229}{\r a}
1982 \DeclareInputText{230}{\ae}
1983 \DeclareInputText{231}{\c c}
1984 \DeclareInputText{232}{\@tabacckludge`e}
1985 \DeclareInputText{233}{\@tabacckludge'e}
1986 \DeclareInputText{234}{\^e}
1987 \DeclareInputText{235}{\^e}
1988 \DeclareInputText{236}{\@tabacckludge`i}
1989 \DeclareInputText{237}{\@tabacckludge'i}
1990 \DeclareInputText{238}{\^i}
1991 \DeclareInputText{239}{\^i}
1992 \DeclareInputText{240}{\dh}
1993 \DeclareInputText{241}{\~n}
1994 \DeclareInputText{242}{\@tabacckludge`o}
1995 \DeclareInputText{243}{\@tabacckludge'o}
1996 \DeclareInputText{244}{\^o}
1997 \DeclareInputText{245}{\~o}
1998 \DeclareInputText{246}{\^o}
1999 \DeclareInputText{247}{\textdiv}
2000 \DeclareInputText{248}{\o}
2001 \DeclareInputText{249}{\@tabacckludge`u}
2002 \DeclareInputText{250}{\@tabacckludge'u}
2003 \DeclareInputText{251}{\^u}
2004 \DeclareInputText{252}{\^u}
2005 \DeclareInputText{253}{\@tabacckludge'y}
2006 \DeclareInputText{254}{\th}
2007 \DeclareInputText{255}{\^y}
2008 \RestoreAtCatcode
2009 </iso-8859-15>

```

### 2.5.15 Encoding iso-8859-16

```

2010 <{*iso-8859-16}
2011 \ProvidesFile{x-iso-8859-16.def}%
2012 [2016/05/16 v1.11 Input encoding iso-8859-16 (inputenx)]%
2013 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
2014 \makeatletter
2015 \ProvideTextCommandDefault{\textcommabelow}[1]{%
2016   \hmode@bgroup
2017   \oalign{%
2018     \null#1\cr
2019     \hidewidth
2020     \raise-.31ex\hbox{%
2021       \check@mathfonts
2022       \fontsize\ssf@size\z@
2023       \math@fontsfalse\selectfont,%
2024     }%

```

```

2025   \hidewidth
2026   }%
2027   \egroup
2028 }
2029 \ProvideTextCommandDefault{\textdegree}{%
2030   \ensuremath{\textcircled{}}}%
2031 }
2032 \ProvideTextCommandDefault{\texteuro}{%
2033   \TextSymbolUnavailable\texteuro
2034 }
2035 \ProvideTextCommandDefault{\textpm}{%
2036   \ensuremath\pm
2037 }
2038 \DeclareInputText{160}{\nobreakspace}
2039 \DeclareInputText{161}{\k A}
2040 \DeclareInputText{162}{\k a}
2041 \DeclareInputText{163}{\L}
2042 \DeclareInputText{164}{\texteuro}
2043 \DeclareInputText{165}{\quotedblbase}
2044 \DeclareInputText{166}{\v S}
2045 \DeclareInputText{167}{\textsection}
2046 \DeclareInputText{168}{\v s}
2047 \DeclareInputText{169}{\textcopyright}
2048 \DeclareInputText{170}{\textcommabelow S}
2049 \DeclareInputText{171}{\guillemotleft}
2050 \DeclareInputText{172}{\@tabacckludge'Z}
2051 \DeclareInputText{173}{\~}
2052 \DeclareInputText{174}{\@tabacckludge'z}
2053 \DeclareInputText{175}{\Z}
2054 \DeclareInputText{176}{\textdegree}
2055 \DeclareInputText{177}{\textpm}
2056 \DeclareInputText{178}{\v C}
2057 \DeclareInputText{179}{\l}
2058 \DeclareInputText{180}{\v Z}
2059 \DeclareInputText{181}{\textquotedblright}
2060 \DeclareInputText{182}{\textparagraph}
2061 \DeclareInputText{183}{\textperiodcentered}
2062 \DeclareInputText{184}{\v z}
2063 \DeclareInputText{185}{\v c}
2064 \DeclareInputText{186}{\textcommabelow s}
2065 \DeclareInputText{187}{\guillemotright}
2066 \DeclareInputText{188}{\OE}
2067 \DeclareInputText{189}{\oe}
2068 \DeclareInputText{190}{\~Y}
2069 \DeclareInputText{191}{\z}
2070 \DeclareInputText{192}{\@tabacckludge`A}
2071 \DeclareInputText{193}{\@tabacckludge'A}
2072 \DeclareInputText{194}{\^A}
2073 \DeclareInputText{195}{\u A}
2074 \DeclareInputText{196}{\~A}
2075 \DeclareInputText{197}{\@tabacckludge'C}
2076 \DeclareInputText{198}{\AE}
2077 \DeclareInputText{199}{\c C}
2078 \DeclareInputText{200}{\@tabacckludge`E}
2079 \DeclareInputText{201}{\@tabacckludge'E}
2080 \DeclareInputText{202}{\^E}
2081 \DeclareInputText{203}{\~E}
2082 \DeclareInputText{204}{\@tabacckludge`I}
2083 \DeclareInputText{205}{\@tabacckludge'I}
2084 \DeclareInputText{206}{\^I}
2085 \DeclareInputText{207}{\~I}
2086 \DeclareInputText{208}{\DJ}

```

```

2087 \DeclareInputText{209}{\@tabacckludge'N}
2088 \DeclareInputText{210}{\@tabacckludge`O}
2089 \DeclareInputText{211}{\@tabacckludge'O}
2090 \DeclareInputText{212}{\^O}
2091 \DeclareInputText{213}{\H O}
2092 \DeclareInputText{214}{\^O}
2093 \DeclareInputText{215}{\@tabacckludge'S}
2094 \DeclareInputText{216}{\H U}
2095 \DeclareInputText{217}{\@tabacckludge`U}
2096 \DeclareInputText{218}{\@tabacckludge'U}
2097 \DeclareInputText{219}{\^U}
2098 \DeclareInputText{220}{\^U}
2099 \DeclareInputText{221}{\k E}
2100 \DeclareInputText{222}{\textcommabelow T}
2101 \DeclareInputText{223}{\ss}
2102 \DeclareInputText{224}{\@tabacckludge`a}
2103 \DeclareInputText{225}{\@tabacckludge'a}
2104 \DeclareInputText{226}{\^a}
2105 \DeclareInputText{227}{\u a}
2106 \DeclareInputText{228}{\^a}
2107 \DeclareInputText{229}{\@tabacckludge'c}
2108 \DeclareInputText{230}{\ae}
2109 \DeclareInputText{231}{\c c}
2110 \DeclareInputText{232}{\@tabacckludge`e}
2111 \DeclareInputText{233}{\@tabacckludge'e}
2112 \DeclareInputText{234}{\^e}
2113 \DeclareInputText{235}{\^e}
2114 \DeclareInputText{236}{\@tabacckludge`i}
2115 \DeclareInputText{237}{\@tabacckludge'i}
2116 \DeclareInputText{238}{\^i}
2117 \DeclareInputText{239}{\^i}
2118 \DeclareInputText{240}{\dj}
2119 \DeclareInputText{241}{\@tabacckludge'n}
2120 \DeclareInputText{242}{\@tabacckludge`o}
2121 \DeclareInputText{243}{\@tabacckludge'o}
2122 \DeclareInputText{244}{\^o}
2123 \DeclareInputText{245}{\H o}
2124 \DeclareInputText{246}{\^o}
2125 \DeclareInputText{247}{\@tabacckludge's}
2126 \DeclareInputText{248}{\H u}
2127 \DeclareInputText{249}{\@tabacckludge`u}
2128 \DeclareInputText{250}{\@tabacckludge'u}
2129 \DeclareInputText{251}{\^u}
2130 \DeclareInputText{252}{\^u}
2131 \DeclareInputText{253}{\k e}
2132 \DeclareInputText{254}{\textcommabelow t}
2133 \DeclareInputText{255}{\^y}
2134 \RestoreAtCatcode
2135 </iso-8859-16>

```

## 2.5.16 Encoding cp437

```

2136 <*cp437>
2137 \ProvidesFile{x-cp437.def}%
2138 [2016/05/16 v1.11 Input encoding cp437 (inputenx)]%
2139 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
2140 \makeatletter
2141 \ProvideTextCommandDefault{\textGamma}{%
2142 \ensuremath\Gamma
2143 }
2144 \ProvideTextCommandDefault{\textOmega}{%
2145 \ensuremath\Omega
2146 }
2147 \ProvideTextCommandDefault{\textPhi}{%

```

```

2148 \ensuremath\Phi
2149 }
2150 \ProvideTextCommandDefault{\textSigma}{%
2151 \ensuremath\Sigma
2152 }
2153 \ProvideTextCommandDefault{\textTheta}{%
2154 \ensuremath\Theta
2155 }
2156 \ProvideTextCommandDefault{\textalpha}{%
2157 \ensuremath\alpha
2158 }
2159 \ProvideTextCommandDefault{\textapproxequal}{%
2160 \ensuremath\approx
2161 }
2162 \ProvideTextCommandDefault{\textblacksquare}{%
2163 \vrule \@width .3em \@height .4em \@depth -.1em\relax
2164 }
2165 \ProvideTextCommandDefault{\textcent}{%
2166 \TextSymbolUnavailable\textcent
2167 }
2168 \ProvideTextCommandDefault{\textdegree}{%
2169 \ensuremath{^\circ}}%
2170 }
2171 \ProvideTextCommandDefault{\textdelta}{%
2172 \ensuremath\delta
2173 }
2174 \ProvideTextCommandDefault{\textdiv}{%
2175 \TextSymbolUnavailable\textdiv
2176 }
2177 \ProvideTextCommandDefault{\textepsilon}{%
2178 \ensuremath\varepsilon
2179 }
2180 \ProvideTextCommandDefault{\textequivalence}{%
2181 \ensuremath\equiv
2182 }
2183 \ProvideTextCommandDefault{\textflorin}{%
2184 \textit{f}}%
2185 }
2186 \ProvideTextCommandDefault{\textgreaterorequal}{%
2187 \ensuremath\geq
2188 }
2189 \ProvideTextCommandDefault{\textinfinity}{%
2190 \ensuremath\infty
2191 }
2192 \ProvideTextCommandDefault{\textintersection}{%
2193 \ensuremath\cap
2194 }
2195 \ProvideTextCommandDefault{\textlessequal}{%
2196 \ensuremath\leq
2197 }
2198 \ProvideTextCommandDefault{\textlnot}{%
2199 \ensuremath\not
2200 }
2201 \ProvideTextCommandDefault{\textmu}{%
2202 \ensuremath\mu
2203 }
2204 \ProvideTextCommandDefault{\textnsuperior}{%
2205 \ensuremath{\sup}}%
2206 }
2207 \ProvideTextCommandDefault{\textonehalf}{%
2208 \ensuremath{\frac{1}{2}}%
2209 }

```

```

2210 \ProvideTextCommandDefault{\textonequarter}{%
2211   \ensuremath{\frac{1}{4}}%
2212 }
2213 \ProvideTextCommandDefault{\textpeseta}{%
2214   Pt%
2215 }
2216 \ProvideTextCommandDefault{\textphi}{%
2217   \ensuremath{\phi}
2218 }
2219 \ProvideTextCommandDefault{\textpi}{%
2220   \ensuremath{\pi}
2221 }
2222 \ProvideTextCommandDefault{\textpm}{%
2223   \ensuremath{\pm}
2224 }
2225 \ProvideTextCommandDefault{\textrevlogicalnot}{%
2226   \begingroup
2227     \@ifundefined{reflectbox}{%
2228       \TextSymbolUnavailable\textrevlogicalnot
2229     }{%
2230       \def\@revlogicalnot##1##2{%
2231         \reflectbox{##1##2}%
2232       }%
2233       \ensuremath{\mathpalette\@revlogicalnot\lnot}%
2234     }%
2235   \endgroup
2236 }
2237 \ProvideTextCommandDefault{\textsigma}{%
2238   \ensuremath{\sigma}
2239 }
2240 \ProvideTextCommandDefault{\textsurd}{%
2241   \ensuremath{\surd}
2242 }
2243 \ProvideTextCommandDefault{\texttau}{%
2244   \ensuremath{\tau}
2245 }
2246 \ProvideTextCommandDefault{\texttwosuperior}{%
2247   \ensuremath{{}^2}%
2248 }
2249 \ProvideTextCommandDefault{\textyen}{%
2250   \TextSymbolUnavailable\textyen
2251 }
2252 \DeclareInputText{128}{\c C}
2253 \DeclareInputText{129}{\u u}
2254 \DeclareInputText{130}{\@tabacckludge'e}
2255 \DeclareInputText{131}{\^a}
2256 \DeclareInputText{132}{\`a}
2257 \DeclareInputText{133}{\@tabacckludge`a}
2258 \DeclareInputText{134}{\r a}
2259 \DeclareInputText{135}{\c c}
2260 \DeclareInputText{136}{\^e}
2261 \DeclareInputText{137}{\`e}
2262 \DeclareInputText{138}{\@tabacckludge`e}
2263 \DeclareInputText{139}{\`i}
2264 \DeclareInputText{140}{\^i}
2265 \DeclareInputText{141}{\@tabacckludge`i}
2266 \DeclareInputText{142}{\`A}
2267 \DeclareInputText{143}{\r A}
2268 \DeclareInputText{144}{\@tabacckludge'E}
2269 \DeclareInputText{145}{\ae}
2270 \DeclareInputText{146}{\AE}
2271 \DeclareInputText{147}{\^o}

```

2272 \DeclareInputText{148}{\`o}  
2273 \DeclareInputText{149}{\@tabacckludge`o}  
2274 \DeclareInputText{150}{\`u}  
2275 \DeclareInputText{151}{\@tabacckludge`u}  
2276 \DeclareInputText{152}{\`y}  
2277 \DeclareInputText{153}{\`O}  
2278 \DeclareInputText{154}{\`U}  
2279 \DeclareInputText{155}{\textcent}  
2280 \DeclareInputText{156}{\textsterling}  
2281 \DeclareInputText{157}{\textyen}  
2282 \DeclareInputText{158}{\textpeseta}  
2283 \DeclareInputText{159}{\textflorin}  
2284 \DeclareInputText{160}{\@tabacckludge'a}  
2285 \DeclareInputText{161}{\@tabacckludge'i}  
2286 \DeclareInputText{162}{\@tabacckludge'o}  
2287 \DeclareInputText{163}{\@tabacckludge'u}  
2288 \DeclareInputText{164}{\`n}  
2289 \DeclareInputText{165}{\`N}  
2290 \DeclareInputText{166}{\textordfeminine}  
2291 \DeclareInputText{167}{\textordmasculine}  
2292 \DeclareInputText{168}{\textquestiondown}  
2293 \DeclareInputText{169}{\textrevlogicalnot}  
2294 \DeclareInputText{170}{\textlnot}  
2295 \DeclareInputText{171}{\textonehalf}  
2296 \DeclareInputText{172}{\textonequarter}  
2297 \DeclareInputText{173}{\textexclamdown}  
2298 \DeclareInputText{174}{\guillemotleft}  
2299 \DeclareInputText{175}{\guillemotright}  
2300 \DeclareInputText{176}{\textltshade}  
2301 \DeclareInputText{177}{\textshade}  
2302 \DeclareInputText{178}{\textdkshade}  
2303 \DeclareInputText{179}{\textSFxi}  
2304 \DeclareInputText{180}{\textSFix}  
2305 \DeclareInputText{181}{\textSFfix}  
2306 \DeclareInputText{182}{\textSFxx}  
2307 \DeclareInputText{183}{\textSFxxi}  
2308 \DeclareInputText{184}{\textSFxxii}  
2309 \DeclareInputText{185}{\textSFxxiii}  
2310 \DeclareInputText{186}{\textSFxxiv}  
2311 \DeclareInputText{187}{\textSFxxv}  
2312 \DeclareInputText{188}{\textSFxxvi}  
2313 \DeclareInputText{189}{\textSFxxvii}  
2314 \DeclareInputText{190}{\textSFxxviii}  
2315 \DeclareInputText{191}{\textSFiii}  
2316 \DeclareInputText{192}{\textSFii}  
2317 \DeclareInputText{193}{\textSFvii}  
2318 \DeclareInputText{194}{\textSFvi}  
2319 \DeclareInputText{195}{\textSFviii}  
2320 \DeclareInputText{196}{\textSFx}  
2321 \DeclareInputText{197}{\textSFv}  
2322 \DeclareInputText{198}{\textSFxxxvi}  
2323 \DeclareInputText{199}{\textSFxxxvii}  
2324 \DeclareInputText{200}{\textSFxxxviii}  
2325 \DeclareInputText{201}{\textSFxxxix}  
2326 \DeclareInputText{202}{\textSFxl}  
2327 \DeclareInputText{203}{\textSFxli}  
2328 \DeclareInputText{204}{\textSFxlii}  
2329 \DeclareInputText{205}{\textSFxliii}  
2330 \DeclareInputText{206}{\textSFxliv}  
2331 \DeclareInputText{207}{\textSFxlv}  
2332 \DeclareInputText{208}{\textSFxlvi}  
2333 \DeclareInputText{209}{\textSFxlvii}

```

2334 \DeclareInputText{210}{\textSFxlvi}
2335 \DeclareInputText{211}{\textSFxlvii}
2336 \DeclareInputText{212}{\textSFxlviii}
2337 \DeclareInputText{213}{\textSFlix}
2338 \DeclareInputText{214}{\textSFli}
2339 \DeclareInputText{215}{\textSFlii}
2340 \DeclareInputText{216}{\textSFliii}
2341 \DeclareInputText{217}{\textSFliiii}
2342 \DeclareInputText{218}{\textSFiv}
2343 \DeclareInputText{219}{\textSFv}
2344 \DeclareInputText{220}{\textSFvi}
2345 \DeclareInputText{221}{\textSFvii}
2346 \DeclareInputText{222}{\textSFviii}
2347 \DeclareInputText{223}{\textSFix}
2348 \DeclareInputText{224}{\textSFx}
2349 \DeclareInputText{225}{\ss}
2350 \DeclareInputText{226}{\textGamma}
2351 \DeclareInputText{227}{\textpi}
2352 \DeclareInputText{228}{\textSigma}
2353 \DeclareInputText{229}{\textsigma}
2354 \DeclareInputText{230}{\textmu}
2355 \DeclareInputText{231}{\texttau}
2356 \DeclareInputText{232}{\textPhi}
2357 \DeclareInputText{233}{\textTheta}
2358 \DeclareInputText{234}{\textOmega}
2359 \DeclareInputText{235}{\textdelta}
2360 \DeclareInputText{236}{\textinfinity}
2361 \DeclareInputText{237}{\textphi}
2362 \DeclareInputText{238}{\textepsilon}
2363 \DeclareInputText{239}{\textintersection}
2364 \DeclareInputText{240}{\textequivalence}
2365 \DeclareInputText{241}{\textpm}
2366 \DeclareInputText{242}{\textgreaterorequal}
2367 \DeclareInputText{243}{\textlessequal}
2368 \DeclareInputText{244}{\textdiv}
2369 \DeclareInputText{245}{\textapproxequal}
2370 \DeclareInputText{246}{\textdegree}
2371 \DeclareInputText{247}{\textbullet}
2372 \DeclareInputText{248}{\textperiodcentered}
2373 \DeclareInputText{249}{\textsurd}
2374 \DeclareInputText{250}{\textnsuperior}
2375 \DeclareInputText{251}{\texttwosuperior}
2376 \DeclareInputText{252}{\textblacksquare}
2377 \DeclareInputText{253}{\nobreakspace}
2378 \RestoreAtCatcode
2379 </cp437>

```

### 2.5.17 Encoding cp850

```

2380 <*cp850>
2381 \ProvidesFile{x-cp850.def}%
2382 [2016/05/16 v1.11 Input encoding cp850 (inputenx)]%
2383 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
2384 \makeatletter
2385 \ProvideTextCommandDefault{\textasciicircum}{%
2386 \@tabacckludge'}{%
2387 }
2388 \ProvideTextCommandDefault{\textasciidieresis}{%
2389 \"}{%
2390 }
2391 \ProvideTextCommandDefault{\textasciimacron}{%
2392 \@tabacckludge=} {%
2393 }
2394 \ProvideTextCommandDefault{\textblacksquare}{%

```

```

2395 \vrule \@width .3em \@height .4em \@depth -.1em\relax
2396 }
2397 \ProvideTextCommandDefault{\textbrokenbar}{%
2398 \TextSymbolUnavailable\textbrokenbar
2399 }
2400 \ProvideTextCommandDefault{\textcent}{%
2401 \TextSymbolUnavailable\textcent
2402 }
2403 \ProvideTextCommandDefault{\textcurrency}{%
2404 \TextSymbolUnavailable\textcurrency
2405 }
2406 \ProvideTextCommandDefault{\textdbllowline}{%
2407 \begingroup
2408 \sbox0{\textunderscore}%
2409 \leavevmode
2410 \ifdim\dp0<.2ex\relax
2411 \rlap{\raisebox{-.2ex}[0pt]{\textunderscore}}%
2412 \else
2413 \rlap{\raisebox{.2ex}[0pt]{\textunderscore}}%
2414 \fi
2415 \textunderscore
2416 \endgroup
2417 }
2418 \ProvideTextCommandDefault{\textdegree}{%
2419 \ensuremath{\textasciicircum{c}}}%
2420 }
2421 \ProvideTextCommandDefault{\textdiv}{%
2422 \TextSymbolUnavailable\textdiv
2423 }
2424 \ProvideTextCommandDefault{\textflorin}{%
2425 \textit{f}}%
2426 }
2427 \ProvideTextCommandDefault{\textlnot}{%
2428 \ensuremath\not
2429 }
2430 \ProvideTextCommandDefault{\textmu}{%
2431 \ensuremath\mu
2432 }
2433 \ProvideTextCommandDefault{\textonehalf}{%
2434 \ensuremath{\frac{1}{2}}}%
2435 }
2436 \ProvideTextCommandDefault{\textonequarter}{%
2437 \ensuremath{\frac{1}{4}}}%
2438 }
2439 \ProvideTextCommandDefault{\textonesuperior}{%
2440 \ensuremath{\textasciicircum{1}}}%
2441 }
2442 \ProvideTextCommandDefault{\textpm}{%
2443 \ensuremath\pm
2444 }
2445 \ProvideTextCommandDefault{\textthreequarters}{%
2446 \ensuremath{\frac{3}{4}}}%
2447 }
2448 \ProvideTextCommandDefault{\textthreesuperior}{%
2449 \ensuremath{\textasciicircum{3}}}%
2450 }
2451 \ProvideTextCommandDefault{\texttimes}{%
2452 \ensuremath\times
2453 }
2454 \ProvideTextCommandDefault{\texttwosuperior}{%
2455 \ensuremath{\textasciicircum{2}}}%
2456 }

```

```

2457 \ProvideTextCommandDefault{\textyen}{%
2458 \TextSymbolUnavailable\textyen
2459 }
2460 \DeclareInputText{128}{\c C}
2461 \DeclareInputText{129}{\u}
2462 \DeclareInputText{130}{\@tabacckludge'e}
2463 \DeclareInputText{131}{\^a}
2464 \DeclareInputText{132}{\a}
2465 \DeclareInputText{133}{\@tabacckludge`a}
2466 \DeclareInputText{134}{\r a}
2467 \DeclareInputText{135}{\c c}
2468 \DeclareInputText{136}{\^e}
2469 \DeclareInputText{137}{\e}
2470 \DeclareInputText{138}{\@tabacckludge`e}
2471 \DeclareInputText{139}{\i}
2472 \DeclareInputText{140}{\^i}
2473 \DeclareInputText{141}{\@tabacckludge`i}
2474 \DeclareInputText{142}{\A}
2475 \DeclareInputText{143}{\r A}
2476 \DeclareInputText{144}{\@tabacckludge'E}
2477 \DeclareInputText{145}{\ae}
2478 \DeclareInputText{146}{\AE}
2479 \DeclareInputText{147}{\^o}
2480 \DeclareInputText{148}{\o}
2481 \DeclareInputText{149}{\@tabacckludge`o}
2482 \DeclareInputText{150}{\^u}
2483 \DeclareInputText{151}{\@tabacckludge`u}
2484 \DeclareInputText{152}{\y}
2485 \DeclareInputText{153}{\O}
2486 \DeclareInputText{154}{\U}
2487 \DeclareInputText{155}{\o}
2488 \DeclareInputText{156}{\textsterling}
2489 \DeclareInputText{157}{\O}
2490 \DeclareInputText{158}{\texttimes}
2491 \DeclareInputText{159}{\textflorin}
2492 \DeclareInputText{160}{\@tabacckludge'a}
2493 \DeclareInputText{161}{\@tabacckludge`i}
2494 \DeclareInputText{162}{\@tabacckludge'o}
2495 \DeclareInputText{163}{\@tabacckludge'u}
2496 \DeclareInputText{164}{\~n}
2497 \DeclareInputText{165}{\~N}
2498 \DeclareInputText{166}{\textordfeminine}
2499 \DeclareInputText{167}{\textordmasculine}
2500 \DeclareInputText{168}{\textquestiondown}
2501 \DeclareInputText{169}{\textregistered}
2502 \DeclareInputText{170}{\textlnot}
2503 \DeclareInputText{171}{\textonehalf}
2504 \DeclareInputText{172}{\textonequarter}
2505 \DeclareInputText{173}{\textexclamdown}
2506 \DeclareInputText{174}{\guillemotleft}
2507 \DeclareInputText{175}{\guillemotright}
2508 \DeclareInputText{176}{\textltshade}
2509 \DeclareInputText{177}{\textshade}
2510 \DeclareInputText{178}{\textdkshade}
2511 \DeclareInputText{179}{\textSFxi}
2512 \DeclareInputText{180}{\textSFix}
2513 \DeclareInputText{181}{\@tabacckludge'A}
2514 \DeclareInputText{182}{\^A}
2515 \DeclareInputText{183}{\@tabacckludge`A}
2516 \DeclareInputText{184}{\textcopyright}
2517 \DeclareInputText{185}{\textSFxxiii}
2518 \DeclareInputText{186}{\textSFxxiv}

```

2519 `\DeclareInputText{187}{\textSFxxv}`  
2520 `\DeclareInputText{188}{\textSFxxvi}`  
2521 `\DeclareInputText{189}{\textcent}`  
2522 `\DeclareInputText{190}{\textyen}`  
2523 `\DeclareInputText{191}{\textSFiii}`  
2524 `\DeclareInputText{192}{\textSFii}`  
2525 `\DeclareInputText{193}{\textSFvii}`  
2526 `\DeclareInputText{194}{\textSFvi}`  
2527 `\DeclareInputText{195}{\textSFviii}`  
2528 `\DeclareInputText{196}{\textSFx}`  
2529 `\DeclareInputText{197}{\textSFv}`  
2530 `\DeclareInputText{198}{\~a}`  
2531 `\DeclareInputText{199}{\~A}`  
2532 `\DeclareInputText{200}{\textSFxxxviii}`  
2533 `\DeclareInputText{201}{\textSFxxxix}`  
2534 `\DeclareInputText{202}{\textSFxl}`  
2535 `\DeclareInputText{203}{\textSFxli}`  
2536 `\DeclareInputText{204}{\textSFxlii}`  
2537 `\DeclareInputText{205}{\textSFxliii}`  
2538 `\DeclareInputText{206}{\textSFxliv}`  
2539 `\DeclareInputText{207}{\textcurrency}`  
2540 `\DeclareInputText{208}{\dh}`  
2541 `\DeclareInputText{209}{\DH}`  
2542 `\DeclareInputText{210}{\^E}`  
2543 `\DeclareInputText{211}{\`E}`  
2544 `\DeclareInputText{212}{\@tabacckludge`E}`  
2545 `\DeclareInputText{213}{\i}`  
2546 `\DeclareInputText{214}{\@tabacckludge'I}`  
2547 `\DeclareInputText{215}{\^I}`  
2548 `\DeclareInputText{216}{\`I}`  
2549 `\DeclareInputText{217}{\textSFiv}`  
2550 `\DeclareInputText{218}{\textSFi}`  
2551 `\DeclareInputText{219}{\textblock}`  
2552 `\DeclareInputText{220}{\textdnblock}`  
2553 `\DeclareInputText{221}{\textbrokenbar}`  
2554 `\DeclareInputText{222}{\@tabacckludge`I}`  
2555 `\DeclareInputText{223}{\textupblock}`  
2556 `\DeclareInputText{224}{\@tabacckludge'O}`  
2557 `\DeclareInputText{225}{\ss}`  
2558 `\DeclareInputText{226}{\^O}`  
2559 `\DeclareInputText{227}{\@tabacckludge`O}`  
2560 `\DeclareInputText{228}{\~o}`  
2561 `\DeclareInputText{229}{\~O}`  
2562 `\DeclareInputText{230}{\textmu}`  
2563 `\DeclareInputText{231}{\th}`  
2564 `\DeclareInputText{232}{\TH}`  
2565 `\DeclareInputText{233}{\@tabacckludge'U}`  
2566 `\DeclareInputText{234}{\^U}`  
2567 `\DeclareInputText{235}{\@tabacckludge`U}`  
2568 `\DeclareInputText{236}{\@tabacckludge'y}`  
2569 `\DeclareInputText{237}{\@tabacckludge'Y}`  
2570 `\DeclareInputText{238}{\textasciimacron}`  
2571 `\DeclareInputText{239}{\textasciiacute}`  
2572 `\DeclareInputText{240}{\~}`  
2573 `\DeclareInputText{241}{\textpm}`  
2574 `\DeclareInputText{242}{\textdblowlowline}`  
2575 `\DeclareInputText{243}{\textthreequarters}`  
2576 `\DeclareInputText{244}{\textparagraph}`  
2577 `\DeclareInputText{245}{\textsection}`  
2578 `\DeclareInputText{246}{\textdiv}`  
2579 `\DeclareInputText{247}{\c\ }`  
2580 `\DeclareInputText{248}{\textdegree}`

```

2581 \DeclareInputText{249}{\textasciidieresis}
2582 \DeclareInputText{250}{\textperiodcentered}
2583 \DeclareInputText{251}{\textonesuperior}
2584 \DeclareInputText{252}{\textthreesuperior}
2585 \DeclareInputText{253}{\texttwosuperior}
2586 \DeclareInputText{254}{\textblacksquare}
2587 \DeclareInputText{255}{\nobreakspace}
2588 \RestoreAtCatcode
2589 </cp850>

```

## 2.5.18 Encoding cp852

```

2590 <*cp852>
2591 \ProvidesFile{x-cp852.def}%
2592 [2016/05/16 v1.11 Input encoding cp852 (inputenx)]%
2593 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
2594 \makeatletter
2595 \ProvideTextCommandDefault{\textacutedbl}{%
2596   \H{}}%
2597 }
2598 \ProvideTextCommandDefault{\textasciacute}{%
2599   \@tabacckludge'}%
2600 }
2601 \ProvideTextCommandDefault{\textasciibreve}{%
2602   \u{}}%
2603 }
2604 \ProvideTextCommandDefault{\textasciicaron}{%
2605   \v{}}%
2606 }
2607 \ProvideTextCommandDefault{\textasciidieresis}{%
2608   \"}%
2609 }
2610 \ProvideTextCommandDefault{\textblacksquare}{%
2611   \vrule \@width .3em \@height .4em \@depth -.1em\relax
2612 }
2613 \ProvideTextCommandDefault{\textcurrency}{%
2614   \TextSymbolUnavailable\textcurrency
2615 }
2616 \ProvideTextCommandDefault{\textdegree}{%
2617   \ensuremath{\textasciicirc}}%
2618 }
2619 \ProvideTextCommandDefault{\textdiv}{%
2620   \TextSymbolUnavailable\textdiv
2621 }
2622 \ProvideTextCommandDefault{\textlnot}{%
2623   \ensuremath\lnot
2624 }
2625 \ProvideTextCommandDefault{\texttimes}{%
2626   \ensuremath\times
2627 }
2628 \DeclareInputText{128}{\c C}
2629 \DeclareInputText{129}{\u}
2630 \DeclareInputText{130}{\@tabacckludge'e}
2631 \DeclareInputText{131}{\^a}
2632 \DeclareInputText{132}{\a}
2633 \DeclareInputText{133}{\r u}
2634 \DeclareInputText{134}{\@tabacckludge'c}
2635 \DeclareInputText{135}{\c c}
2636 \DeclareInputText{136}{\l}
2637 \DeclareInputText{137}{\e}
2638 \DeclareInputText{138}{\H O}
2639 \DeclareInputText{139}{\H o}
2640 \DeclareInputText{140}{\^i}
2641 \DeclareInputText{141}{\@tabacckludge'Z}

```

2642 \DeclareInputText{142}{\ "A}  
2643 \DeclareInputText{143}{\@tabacckludge'C}  
2644 \DeclareInputText{144}{\@tabacckludge'E}  
2645 \DeclareInputText{145}{\@tabacckludge'L}  
2646 \DeclareInputText{146}{\@tabacckludge'l}  
2647 \DeclareInputText{147}{\^o}  
2648 \DeclareInputText{148}{\ "o}  
2649 \DeclareInputText{149}{\v L}  
2650 \DeclareInputText{150}{\v l}  
2651 \DeclareInputText{151}{\@tabacckludge'S}  
2652 \DeclareInputText{152}{\@tabacckludge's}  
2653 \DeclareInputText{153}{\ "O}  
2654 \DeclareInputText{154}{\ "U}  
2655 \DeclareInputText{155}{\v T}  
2656 \DeclareInputText{156}{\v t}  
2657 \DeclareInputText{157}{\L}  
2658 \DeclareInputText{158}{\texttimes}  
2659 \DeclareInputText{159}{\v c}  
2660 \DeclareInputText{160}{\@tabacckludge'a}  
2661 \DeclareInputText{161}{\@tabacckludge'i}  
2662 \DeclareInputText{162}{\@tabacckludge'o}  
2663 \DeclareInputText{163}{\@tabacckludge'u}  
2664 \DeclareInputText{164}{\k A}  
2665 \DeclareInputText{165}{\k a}  
2666 \DeclareInputText{166}{\v Z}  
2667 \DeclareInputText{167}{\v z}  
2668 \DeclareInputText{168}{\k E}  
2669 \DeclareInputText{169}{\k e}  
2670 \DeclareInputText{170}{\textlnot}  
2671 \DeclareInputText{171}{\@tabacckludge'z}  
2672 \DeclareInputText{172}{\v C}  
2673 \DeclareInputText{173}{\c s}  
2674 \DeclareInputText{174}{\guillemotleft}  
2675 \DeclareInputText{175}{\guillemotright}  
2676 \DeclareInputText{176}{\textltshade}  
2677 \DeclareInputText{177}{\textshade}  
2678 \DeclareInputText{178}{\textdkshade}  
2679 \DeclareInputText{179}{\textSFxi}  
2680 \DeclareInputText{180}{\textSFix}  
2681 \DeclareInputText{181}{\@tabacckludge'A}  
2682 \DeclareInputText{182}{\^A}  
2683 \DeclareInputText{183}{\v E}  
2684 \DeclareInputText{184}{\c S}  
2685 \DeclareInputText{185}{\textSFxxiii}  
2686 \DeclareInputText{186}{\textSFxxiv}  
2687 \DeclareInputText{187}{\textSFxxv}  
2688 \DeclareInputText{188}{\textSFxxvi}  
2689 \DeclareInputText{189}{\ .Z}  
2690 \DeclareInputText{190}{\ .z}  
2691 \DeclareInputText{191}{\textSFiii}  
2692 \DeclareInputText{192}{\textSFii}  
2693 \DeclareInputText{193}{\textSFvii}  
2694 \DeclareInputText{194}{\textSFvi}  
2695 \DeclareInputText{195}{\textSFviii}  
2696 \DeclareInputText{196}{\textSFx}  
2697 \DeclareInputText{197}{\textSFv}  
2698 \DeclareInputText{198}{\u A}  
2699 \DeclareInputText{199}{\u a}  
2700 \DeclareInputText{200}{\textSFxxxviii}  
2701 \DeclareInputText{201}{\textSFxxxix}  
2702 \DeclareInputText{202}{\textSFxl}  
2703 \DeclareInputText{203}{\textSFxli}

```

2704 \DeclareInputText{204}{\textSFxlii}
2705 \DeclareInputText{205}{\textSFxliii}
2706 \DeclareInputText{206}{\textSFxliv}
2707 \DeclareInputText{207}{\textcurrency}
2708 \DeclareInputText{208}{\dj}
2709 \DeclareInputText{209}{\DJ}
2710 \DeclareInputText{210}{\v D}
2711 \DeclareInputText{211}{\v E}
2712 \DeclareInputText{212}{\v d}
2713 \DeclareInputText{213}{\v N}
2714 \DeclareInputText{214}{\@tabacckludge'I}
2715 \DeclareInputText{215}{\v I}
2716 \DeclareInputText{216}{\v e}
2717 \DeclareInputText{217}{\textSFiv}
2718 \DeclareInputText{218}{\textSFi}
2719 \DeclareInputText{219}{\textblock}
2720 \DeclareInputText{220}{\textdnblock}
2721 \DeclareInputText{221}{\c T}
2722 \DeclareInputText{222}{\r U}
2723 \DeclareInputText{223}{\textupblock}
2724 \DeclareInputText{224}{\@tabacckludge'O}
2725 \DeclareInputText{225}{\ss}
2726 \DeclareInputText{226}{\v O}
2727 \DeclareInputText{227}{\@tabacckludge'N}
2728 \DeclareInputText{228}{\@tabacckludge'n}
2729 \DeclareInputText{229}{\v n}
2730 \DeclareInputText{230}{\v S}
2731 \DeclareInputText{231}{\v s}
2732 \DeclareInputText{232}{\@tabacckludge'R}
2733 \DeclareInputText{233}{\@tabacckludge'U}
2734 \DeclareInputText{234}{\@tabacckludge'r}
2735 \DeclareInputText{235}{\H U}
2736 \DeclareInputText{236}{\@tabacckludge'y}
2737 \DeclareInputText{237}{\@tabacckludge'Y}
2738 \DeclareInputText{238}{\c t}
2739 \DeclareInputText{239}{\textasciiacute}
2740 \DeclareInputText{240}{\v -}
2741 \DeclareInputText{241}{\textacutedbl}
2742 \DeclareInputText{242}{\k{}}
2743 \DeclareInputText{243}{\textasciicaron}
2744 \DeclareInputText{244}{\textasciibreve}
2745 \DeclareInputText{245}{\textsection}
2746 \DeclareInputText{246}{\textdiv}
2747 \DeclareInputText{247}{\c \ }
2748 \DeclareInputText{248}{\textdegree}
2749 \DeclareInputText{249}{\textasciidieresis}
2750 \DeclareInputText{250}{\v .{}}
2751 \DeclareInputText{251}{\H u}
2752 \DeclareInputText{252}{\v R}
2753 \DeclareInputText{253}{\v r}
2754 \DeclareInputText{254}{\textblacksquare}
2755 \DeclareInputText{255}{\nobreakspace}
2756 \RestoreAtCatcode
2757 \cp852)

```

**2.5.19 Encoding cp855**

```

2758 \cp855)
2759 \ProvidesFile{x-cp855.def}%
2760 [2016/05/16 v1.11 Input encoding cp855 (inputenx)]%
2761 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
2762 \makeatletter
2763 \ProvideTextCommandDefault{\textblacksquare}{%
2764 \vrule \@width .3em \@height .4em \@depth -.1em\relax

```

```

2765 }
2766 \ProvideTextCommandDefault{\textcurrency}{%
2767 \TextSymbolUnavailable\textcurrency
2768 }
2769 \ProvideTextCommandDefault{\textnumero}{%
2770 N%
2771 \bgroup
2772 \check@mathfonts
2773 \fontsize\sf@size\z@
2774 \math@fontsfalse
2775 \selectfont
2776 \oalign{%
2777 \raise0.5ex\hbox{o}%
2778 \cr
2779 \hline
2780 }%
2781 \egroup
2782 }
2783 \DeclareInputText{128}{\cyrdje}
2784 \DeclareInputText{129}{\CYRDJE}
2785 \DeclareInputText{130}{\@tabacckludge'\cyrg}
2786 \DeclareInputText{131}{\@tabacckludge'\CYRG}
2787 \DeclareInputText{132}{\cyryo}
2788 \DeclareInputText{133}{\CYRYO}
2789 \DeclareInputText{134}{\cyrie}
2790 \DeclareInputText{135}{\CYRIE}
2791 \DeclareInputText{136}{\cyrdze}
2792 \DeclareInputText{137}{\CYRDZE}
2793 \DeclareInputText{138}{\cyrii}
2794 \DeclareInputText{139}{\CYRII}
2795 \DeclareInputText{140}{\cyryi}
2796 \DeclareInputText{141}{\CYRYI}
2797 \DeclareInputText{142}{\cyrje}
2798 \DeclareInputText{143}{\CYRJE}
2799 \DeclareInputText{144}{\cyrlje}
2800 \DeclareInputText{145}{\CYRLJE}
2801 \DeclareInputText{146}{\cyrnje}
2802 \DeclareInputText{147}{\CYRNJE}
2803 \DeclareInputText{148}{\cyrtshe}
2804 \DeclareInputText{149}{\CYRTSHE}
2805 \DeclareInputText{150}{\@tabacckludge'\cyrk}
2806 \DeclareInputText{151}{\@tabacckludge'\CYRK}
2807 \DeclareInputText{152}{\cyrushrt}
2808 \DeclareInputText{153}{\CYRUSHRT}
2809 \DeclareInputText{154}{\cyrdzhe}
2810 \DeclareInputText{155}{\CYRDZHE}
2811 \DeclareInputText{156}{\cyryu}
2812 \DeclareInputText{157}{\CYRYU}
2813 \DeclareInputText{158}{\cyrhrdsn}
2814 \DeclareInputText{159}{\CYRHRDSN}
2815 \DeclareInputText{160}{\cyra}
2816 \DeclareInputText{161}{\CYRA}
2817 \DeclareInputText{162}{\cyrb}
2818 \DeclareInputText{163}{\CYRB}
2819 \DeclareInputText{164}{\cyrc}
2820 \DeclareInputText{165}{\CYRC}
2821 \DeclareInputText{166}{\cyrd}
2822 \DeclareInputText{167}{\CYRD}
2823 \DeclareInputText{168}{\cyre}
2824 \DeclareInputText{169}{\CYRE}
2825 \DeclareInputText{170}{\cyrf}
2826 \DeclareInputText{171}{\CYRF}

```

2827 \DeclareInputText{172}{\cyrg}  
2828 \DeclareInputText{173}{\CYRG}  
2829 \DeclareInputText{174}{\guillemotleft}  
2830 \DeclareInputText{175}{\guillemotright}  
2831 \DeclareInputText{176}{\textltshade}  
2832 \DeclareInputText{177}{\textshade}  
2833 \DeclareInputText{178}{\textdkshade}  
2834 \DeclareInputText{179}{\textSFxi}  
2835 \DeclareInputText{180}{\textSFix}  
2836 \DeclareInputText{181}{\cyrh}  
2837 \DeclareInputText{182}{\CYRH}  
2838 \DeclareInputText{183}{\cyri}  
2839 \DeclareInputText{184}{\CYRI}  
2840 \DeclareInputText{185}{\textSFxxiii}  
2841 \DeclareInputText{186}{\textSFxxiv}  
2842 \DeclareInputText{187}{\textSFxxv}  
2843 \DeclareInputText{188}{\textSFxxvi}  
2844 \DeclareInputText{189}{\cyrishrt}  
2845 \DeclareInputText{190}{\CYRISHRT}  
2846 \DeclareInputText{191}{\textSFiii}  
2847 \DeclareInputText{192}{\textSFii}  
2848 \DeclareInputText{193}{\textSFvii}  
2849 \DeclareInputText{194}{\textSFvi}  
2850 \DeclareInputText{195}{\textSFviii}  
2851 \DeclareInputText{196}{\textSFx}  
2852 \DeclareInputText{197}{\textSFv}  
2853 \DeclareInputText{198}{\cyrk}  
2854 \DeclareInputText{199}{\CYRK}  
2855 \DeclareInputText{200}{\textSFxxxviii}  
2856 \DeclareInputText{201}{\textSFxxxix}  
2857 \DeclareInputText{202}{\textSFxl}  
2858 \DeclareInputText{203}{\textSFxli}  
2859 \DeclareInputText{204}{\textSFxlii}  
2860 \DeclareInputText{205}{\textSFxliii}  
2861 \DeclareInputText{206}{\textSFxliv}  
2862 \DeclareInputText{207}{\textcurrency}  
2863 \DeclareInputText{208}{\cyrj}  
2864 \DeclareInputText{209}{\CYRL}  
2865 \DeclareInputText{210}{\cyrm}  
2866 \DeclareInputText{211}{\CYRM}  
2867 \DeclareInputText{212}{\cyrn}  
2868 \DeclareInputText{213}{\CYRN}  
2869 \DeclareInputText{214}{\cyro}  
2870 \DeclareInputText{215}{\CYRO}  
2871 \DeclareInputText{216}{\cyrp}  
2872 \DeclareInputText{217}{\textSFiv}  
2873 \DeclareInputText{218}{\textSFi}  
2874 \DeclareInputText{219}{\textblock}  
2875 \DeclareInputText{220}{\textdnblock}  
2876 \DeclareInputText{221}{\CYRP}  
2877 \DeclareInputText{222}{\cyrya}  
2878 \DeclareInputText{223}{\textupblock}  
2879 \DeclareInputText{224}{\CYRYA}  
2880 \DeclareInputText{225}{\cyrr}  
2881 \DeclareInputText{226}{\CYRR}  
2882 \DeclareInputText{227}{\cyrs}  
2883 \DeclareInputText{228}{\CYRS}  
2884 \DeclareInputText{229}{\cyrt}  
2885 \DeclareInputText{230}{\CYRT}  
2886 \DeclareInputText{231}{\cyru}  
2887 \DeclareInputText{232}{\CYRU}  
2888 \DeclareInputText{233}{\cyrzh}

```

2889 \DeclareInputText{234}{\CYRZH}
2890 \DeclareInputText{235}{\cyrv}
2891 \DeclareInputText{236}{\CYRV}
2892 \DeclareInputText{237}{\cyrfts}
2893 \DeclareInputText{238}{\CYRSFTSN}
2894 \DeclareInputText{239}{\textnumero}
2895 \DeclareInputText{240}{\~}
2896 \DeclareInputText{241}{\cyrery}
2897 \DeclareInputText{242}{\CYRERY}
2898 \DeclareInputText{243}{\cyrz}
2899 \DeclareInputText{244}{\CYRZ}
2900 \DeclareInputText{245}{\cyrsh}
2901 \DeclareInputText{246}{\CYRSH}
2902 \DeclareInputText{247}{\cyrerev}
2903 \DeclareInputText{248}{\CYREREV}
2904 \DeclareInputText{249}{\cyrshch}
2905 \DeclareInputText{250}{\CYRSHCH}
2906 \DeclareInputText{251}{\cyrch}
2907 \DeclareInputText{252}{\CYRCH}
2908 \DeclareInputText{253}{\textsection}
2909 \DeclareInputText{254}{\textblacksquare}
2910 \DeclareInputText{255}{\nobreakspace}
2911 \RestoreAtCatcode
2912 </cp855>

```

### 2.5.20 Encoding cp858

```

2913 <*cp858>
2914 \ProvidesFile{x-cp858.def}%
2915 [2016/05/16 v1.11 Input encoding cp858 (inputenx)]%
2916 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
2917 \makeatletter
2918 \ProvideTextCommandDefault{\textasciicircum}{%
2919 \@tabacckludge'}{%
2920 }
2921 \ProvideTextCommandDefault{\textasciieresis}{%
2922 \~}{%
2923 }
2924 \ProvideTextCommandDefault{\textasciimacron}{%
2925 \@tabacckludge=}{%
2926 }
2927 \ProvideTextCommandDefault{\textblacksquare}{%
2928 \vrule \@width .3em \@height .4em \@depth -.1em\relax
2929 }
2930 \ProvideTextCommandDefault{\textbrokenbar}{%
2931 \TextSymbolUnavailable\textbrokenbar
2932 }
2933 \ProvideTextCommandDefault{\textcent}{%
2934 \TextSymbolUnavailable\textcent
2935 }
2936 \ProvideTextCommandDefault{\textcurrency}{%
2937 \TextSymbolUnavailable\textcurrency
2938 }
2939 \ProvideTextCommandDefault{\textdbllowline}{%
2940 \begingroup
2941 \sbox0{\textunderscore}%
2942 \leavevmode
2943 \ifdim\dp0<.2ex\relax
2944 \rlap{\raisebox{-.2ex}[0pt]{\textunderscore}}%
2945 \else
2946 \rlap{\raisebox{.2ex}[0pt]{\textunderscore}}%
2947 \fi
2948 \textunderscore
2949 \endgroup

```

```

2950 }
2951 \ProvideTextCommandDefault{\textdegree}{%
2952 \ensuremath{\text{\circ}}}%
2953 }
2954 \ProvideTextCommandDefault{\textdiv}{%
2955 \TextSymbolUnavailable\textdiv
2956 }
2957 \ProvideTextCommandDefault{\texteuro}{%
2958 \TextSymbolUnavailable\texteuro
2959 }
2960 \ProvideTextCommandDefault{\textflorin}{%
2961 \textit{f}}%
2962 }
2963 \ProvideTextCommandDefault{\textlnot}{%
2964 \ensuremath{\lnot}
2965 }
2966 \ProvideTextCommandDefault{\textmu}{%
2967 \ensuremath{\mu}
2968 }
2969 \ProvideTextCommandDefault{\textonehalf}{%
2970 \ensuremath{\frac{1}{2}}%
2971 }
2972 \ProvideTextCommandDefault{\textonequarter}{%
2973 \ensuremath{\frac{1}{4}}%
2974 }
2975 \ProvideTextCommandDefault{\textonesuperior}{%
2976 \ensuremath{\text{\textsuperscript{1}}}%
2977 }
2978 \ProvideTextCommandDefault{\textpm}{%
2979 \ensuremath{\text{pm}}
2980 }
2981 \ProvideTextCommandDefault{\textthreequarters}{%
2982 \ensuremath{\frac{3}{4}}%
2983 }
2984 \ProvideTextCommandDefault{\textthreesuperior}{%
2985 \ensuremath{\text{\textsuperscript{3}}}%
2986 }
2987 \ProvideTextCommandDefault{\texttimes}{%
2988 \ensuremath{\text{\times}}
2989 }
2990 \ProvideTextCommandDefault{\texttwosuperior}{%
2991 \ensuremath{\text{\textsuperscript{2}}}%
2992 }
2993 \ProvideTextCommandDefault{\texttyen}{%
2994 \TextSymbolUnavailable\texttyen
2995 }
2996 \DeclareInputText{128}{\c C}
2997 \DeclareInputText{129}{\u u}
2998 \DeclareInputText{130}{\@tabacckludge'e}
2999 \DeclareInputText{131}{\^a}
3000 \DeclareInputText{132}{\`a}
3001 \DeclareInputText{133}{\@tabacckludge`a}
3002 \DeclareInputText{134}{\r a}
3003 \DeclareInputText{135}{\c c}
3004 \DeclareInputText{136}{\^e}
3005 \DeclareInputText{137}{\`e}
3006 \DeclareInputText{138}{\@tabacckludge`e}
3007 \DeclareInputText{139}{\`i}
3008 \DeclareInputText{140}{\^i}
3009 \DeclareInputText{141}{\@tabacckludge`i}
3010 \DeclareInputText{142}{\`A}
3011 \DeclareInputText{143}{\r A}

```

3012 \DeclareInputText{144}{\@tabacckludge'E}  
3013 \DeclareInputText{145}{\ae}  
3014 \DeclareInputText{146}{\AE}  
3015 \DeclareInputText{147}{\~o}  
3016 \DeclareInputText{148}{\~o}  
3017 \DeclareInputText{149}{\@tabacckludge`o}  
3018 \DeclareInputText{150}{\~u}  
3019 \DeclareInputText{151}{\@tabacckludge`u}  
3020 \DeclareInputText{152}{\~y}  
3021 \DeclareInputText{153}{\~O}  
3022 \DeclareInputText{154}{\~U}  
3023 \DeclareInputText{155}{\~o}  
3024 \DeclareInputText{156}{\textsterling}  
3025 \DeclareInputText{157}{\~O}  
3026 \DeclareInputText{158}{\texttimes}  
3027 \DeclareInputText{159}{\textflorin}  
3028 \DeclareInputText{160}{\@tabacckludge'a}  
3029 \DeclareInputText{161}{\@tabacckludge'i}  
3030 \DeclareInputText{162}{\@tabacckludge'o}  
3031 \DeclareInputText{163}{\@tabacckludge'u}  
3032 \DeclareInputText{164}{\~n}  
3033 \DeclareInputText{165}{\~N}  
3034 \DeclareInputText{166}{\textordfeminine}  
3035 \DeclareInputText{167}{\textordmasculine}  
3036 \DeclareInputText{168}{\textquestiondown}  
3037 \DeclareInputText{169}{\textregistered}  
3038 \DeclareInputText{170}{\textlnot}  
3039 \DeclareInputText{171}{\textonehalf}  
3040 \DeclareInputText{172}{\textonequarter}  
3041 \DeclareInputText{173}{\textexclamdown}  
3042 \DeclareInputText{174}{\guillemotleft}  
3043 \DeclareInputText{175}{\guillemotright}  
3044 \DeclareInputText{176}{\textltshade}  
3045 \DeclareInputText{177}{\textshade}  
3046 \DeclareInputText{178}{\textdkshade}  
3047 \DeclareInputText{179}{\textSFxi}  
3048 \DeclareInputText{180}{\textSFix}  
3049 \DeclareInputText{181}{\@tabacckludge'A}  
3050 \DeclareInputText{182}{\~A}  
3051 \DeclareInputText{183}{\@tabacckludge`A}  
3052 \DeclareInputText{184}{\textcopyright}  
3053 \DeclareInputText{185}{\textSFxxiii}  
3054 \DeclareInputText{186}{\textSFxxiv}  
3055 \DeclareInputText{187}{\textSFxxv}  
3056 \DeclareInputText{188}{\textSFxxvi}  
3057 \DeclareInputText{189}{\textcent}  
3058 \DeclareInputText{190}{\textyen}  
3059 \DeclareInputText{191}{\textSFiii}  
3060 \DeclareInputText{192}{\textSFii}  
3061 \DeclareInputText{193}{\textSFvii}  
3062 \DeclareInputText{194}{\textSFvi}  
3063 \DeclareInputText{195}{\textSFviii}  
3064 \DeclareInputText{196}{\textSFx}  
3065 \DeclareInputText{197}{\textSFv}  
3066 \DeclareInputText{198}{\~a}  
3067 \DeclareInputText{199}{\~A}  
3068 \DeclareInputText{200}{\textSFxxxviii}  
3069 \DeclareInputText{201}{\textSFxxxix}  
3070 \DeclareInputText{202}{\textSFxl}  
3071 \DeclareInputText{203}{\textSFxli}  
3072 \DeclareInputText{204}{\textSFxlii}  
3073 \DeclareInputText{205}{\textSFxliii}

```

3074 \DeclareInputText{206}{\textSFxliv}
3075 \DeclareInputText{207}{\textcurrency}
3076 \DeclareInputText{208}{\dh}
3077 \DeclareInputText{209}{\DH}
3078 \DeclareInputText{210}{\^E}
3079 \DeclareInputText{211}{\^E}
3080 \DeclareInputText{212}{\@tabacckludge`E}
3081 \DeclareInputText{213}{\texteuro}
3082 \DeclareInputText{214}{\@tabacckludge'I}
3083 \DeclareInputText{215}{\^I}
3084 \DeclareInputText{216}{\^I}
3085 \DeclareInputText{217}{\textSFiv}
3086 \DeclareInputText{218}{\textSFi}
3087 \DeclareInputText{219}{\textblock}
3088 \DeclareInputText{220}{\textdnblock}
3089 \DeclareInputText{221}{\textbrokenbar}
3090 \DeclareInputText{222}{\@tabacckludge`I}
3091 \DeclareInputText{223}{\textupblock}
3092 \DeclareInputText{224}{\@tabacckludge'O}
3093 \DeclareInputText{225}{\ss}
3094 \DeclareInputText{226}{\^O}
3095 \DeclareInputText{227}{\@tabacckludge`O}
3096 \DeclareInputText{228}{\~o}
3097 \DeclareInputText{229}{\~O}
3098 \DeclareInputText{230}{\textmu}
3099 \DeclareInputText{231}{\th}
3100 \DeclareInputText{232}{\TH}
3101 \DeclareInputText{233}{\@tabacckludge'U}
3102 \DeclareInputText{234}{\^U}
3103 \DeclareInputText{235}{\@tabacckludge`U}
3104 \DeclareInputText{236}{\@tabacckludge'y}
3105 \DeclareInputText{237}{\@tabacckludge'Y}
3106 \DeclareInputText{238}{\textasciimacron}
3107 \DeclareInputText{239}{\textasciiacute}
3108 \DeclareInputText{240}{\~}
3109 \DeclareInputText{241}{\textpm}
3110 \DeclareInputText{242}{\textdblowlowline}
3111 \DeclareInputText{243}{\textthreequarters}
3112 \DeclareInputText{244}{\textparagraph}
3113 \DeclareInputText{245}{\textsection}
3114 \DeclareInputText{246}{\textdiv}
3115 \DeclareInputText{247}{\c\ }
3116 \DeclareInputText{248}{\textdegree}
3117 \DeclareInputText{249}{\textasciidieresis}
3118 \DeclareInputText{250}{\textperiodcentered}
3119 \DeclareInputText{251}{\textonesuperior}
3120 \DeclareInputText{252}{\textthreesuperior}
3121 \DeclareInputText{253}{\texttwosuperior}
3122 \DeclareInputText{254}{\textblacksquare}
3123 \DeclareInputText{255}{\nobreakspace}
3124 \RestoreAtCatcode
3125 </cp858>

```

### 2.5.21 Encoding cp865

```

3126 <*cp865>
3127 \ProvidesFile{x-cp865.def}%
3128 [2016/05/16 v1.11 Input encoding cp865 (inputenx)]%
3129 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
3130 \makeatletter
3131 \ProvideTextCommandDefault{\textGamma}{%
3132 \ensuremath\Gamma}
3133 }
3134 \ProvideTextCommandDefault{\textOmega}{%

```

```

3135 \ensuremath\Omega
3136 }
3137 \ProvideTextCommandDefault{\textPhi}{%
3138 \ensuremath\Phi
3139 }
3140 \ProvideTextCommandDefault{\textSigma}{%
3141 \ensuremath\Sigma
3142 }
3143 \ProvideTextCommandDefault{\textTheta}{%
3144 \ensuremath\Theta
3145 }
3146 \ProvideTextCommandDefault{\textalpha}{%
3147 \ensuremath\alpha
3148 }
3149 \ProvideTextCommandDefault{\textapproxequal}{%
3150 \ensuremath\approx
3151 }
3152 \ProvideTextCommandDefault{\textblacksquare}{%
3153 \vrule \@width .3em \@height .4em \@depth -.1em\relax
3154 }
3155 \ProvideTextCommandDefault{\textcurrency}{%
3156 \TextSymbolUnavailable\textcurrency
3157 }
3158 \ProvideTextCommandDefault{\textdegree}{%
3159 \ensuremath{\text{\char"00B0}}%
3160 }
3161 \ProvideTextCommandDefault{\textdelta}{%
3162 \ensuremath\delta
3163 }
3164 \ProvideTextCommandDefault{\textdiv}{%
3165 \TextSymbolUnavailable\textdiv
3166 }
3167 \ProvideTextCommandDefault{\textepsilon}{%
3168 \ensuremath\varepsilon
3169 }
3170 \ProvideTextCommandDefault{\textequivalence}{%
3171 \ensuremath\equiv
3172 }
3173 \ProvideTextCommandDefault{\textflorin}{%
3174 \textit{f}}%
3175 }
3176 \ProvideTextCommandDefault{\textgreaterequal}{%
3177 \ensuremath\geq
3178 }
3179 \ProvideTextCommandDefault{\textinfinity}{%
3180 \ensuremath\infty
3181 }
3182 \ProvideTextCommandDefault{\textintersection}{%
3183 \ensuremath\cap
3184 }
3185 \ProvideTextCommandDefault{\textlessequal}{%
3186 \ensuremath\leq
3187 }
3188 \ProvideTextCommandDefault{\textlnot}{%
3189 \ensuremath\not
3190 }
3191 \ProvideTextCommandDefault{\textmu}{%
3192 \ensuremath\mu
3193 }
3194 \ProvideTextCommandDefault{\textnsuperior}{%
3195 \ensuremath{\text{\char"00B9}}%
3196 }

```

```

3197 \ProvideTextCommandDefault{\textonehalf}{%
3198 \ensuremath{\frac{1}{2}}%
3199 }
3200 \ProvideTextCommandDefault{\textonequarter}{%
3201 \ensuremath{\frac{1}{4}}%
3202 }
3203 \ProvideTextCommandDefault{\textpeseta}{%
3204 Pt%
3205 }
3206 \ProvideTextCommandDefault{\textphi}{%
3207 \ensuremath{\phi}
3208 }
3209 \ProvideTextCommandDefault{\textpi}{%
3210 \ensuremath{\pi}
3211 }
3212 \ProvideTextCommandDefault{\textpm}{%
3213 \ensuremath{\pm}
3214 }
3215 \ProvideTextCommandDefault{\textrevlogicalnot}{%
3216 \begingroup
3217 \@ifundefined{reflectbox}{%
3218 \TextSymbolUnavailable\textrevlogicalnot
3219 }{%
3220 \def\@revlogicalnot##1##2{%
3221 \reflectbox{##1##2}}%
3222 }%
3223 \ensuremath{\mathpalette\@revlogicalnot\lnot}%
3224 }%
3225 \endgroup
3226 }
3227 \ProvideTextCommandDefault{\textsigma}{%
3228 \ensuremath{\sigma}
3229 }
3230 \ProvideTextCommandDefault{\textsurd}{%
3231 \ensuremath{\surd}
3232 }
3233 \ProvideTextCommandDefault{\texttau}{%
3234 \ensuremath{\tau}
3235 }
3236 \ProvideTextCommandDefault{\texttwosuperior}{%
3237 \ensuremath{{}^2}}%
3238 }
3239 \DeclareInputText{128}{\c C}
3240 \DeclareInputText{129}{\u}
3241 \DeclareInputText{130}{\@tabacckludge'e}
3242 \DeclareInputText{131}{\^a}
3243 \DeclareInputText{132}{\`a}
3244 \DeclareInputText{133}{\@tabacckludge`a}
3245 \DeclareInputText{134}{\r a}
3246 \DeclareInputText{135}{\c c}
3247 \DeclareInputText{136}{\^e}
3248 \DeclareInputText{137}{\`e}
3249 \DeclareInputText{138}{\@tabacckludge`e}
3250 \DeclareInputText{139}{\`i}
3251 \DeclareInputText{140}{\^i}
3252 \DeclareInputText{141}{\@tabacckludge`i}
3253 \DeclareInputText{142}{\`A}
3254 \DeclareInputText{143}{\r A}
3255 \DeclareInputText{144}{\@tabacckludge`E}
3256 \DeclareInputText{145}{\ae}
3257 \DeclareInputText{146}{\AE}
3258 \DeclareInputText{147}{\^o}

```

3259 \DeclareInputText{148}{\`o}  
3260 \DeclareInputText{149}{\@tabacckludge`o}  
3261 \DeclareInputText{150}{\`u}  
3262 \DeclareInputText{151}{\@tabacckludge`u}  
3263 \DeclareInputText{152}{\`y}  
3264 \DeclareInputText{153}{\`O}  
3265 \DeclareInputText{154}{\`U}  
3266 \DeclareInputText{155}{\`o}  
3267 \DeclareInputText{156}{\textsterling}  
3268 \DeclareInputText{157}{\`O}  
3269 \DeclareInputText{158}{\textpeseta}  
3270 \DeclareInputText{159}{\textflorin}  
3271 \DeclareInputText{160}{\@tabacckludge`a}  
3272 \DeclareInputText{161}{\@tabacckludge`i}  
3273 \DeclareInputText{162}{\@tabacckludge`o}  
3274 \DeclareInputText{163}{\@tabacckludge`u}  
3275 \DeclareInputText{164}{\`n}  
3276 \DeclareInputText{165}{\`N}  
3277 \DeclareInputText{166}{\textordfeminine}  
3278 \DeclareInputText{167}{\textordmasculine}  
3279 \DeclareInputText{168}{\textquestiondown}  
3280 \DeclareInputText{169}{\textrevlogicalnot}  
3281 \DeclareInputText{170}{\textlnot}  
3282 \DeclareInputText{171}{\textonehalf}  
3283 \DeclareInputText{172}{\textonequarter}  
3284 \DeclareInputText{173}{\textexclamdown}  
3285 \DeclareInputText{174}{\guillemotleft}  
3286 \DeclareInputText{175}{\textcurrency}  
3287 \DeclareInputText{176}{\textltshade}  
3288 \DeclareInputText{177}{\textshade}  
3289 \DeclareInputText{178}{\textdkshade}  
3290 \DeclareInputText{179}{\textSFxi}  
3291 \DeclareInputText{180}{\textSFix}  
3292 \DeclareInputText{181}{\textSFfix}  
3293 \DeclareInputText{182}{\textSFxx}  
3294 \DeclareInputText{183}{\textSFxxi}  
3295 \DeclareInputText{184}{\textSFxxii}  
3296 \DeclareInputText{185}{\textSFxxiii}  
3297 \DeclareInputText{186}{\textSFxxiv}  
3298 \DeclareInputText{187}{\textSFxxv}  
3299 \DeclareInputText{188}{\textSFxxvi}  
3300 \DeclareInputText{189}{\textSFxxvii}  
3301 \DeclareInputText{190}{\textSFxxviii}  
3302 \DeclareInputText{191}{\textSFiii}  
3303 \DeclareInputText{192}{\textSFii}  
3304 \DeclareInputText{193}{\textSFvii}  
3305 \DeclareInputText{194}{\textSFvi}  
3306 \DeclareInputText{195}{\textSFviii}  
3307 \DeclareInputText{196}{\textSFx}  
3308 \DeclareInputText{197}{\textSFv}  
3309 \DeclareInputText{198}{\textSFxxxvi}  
3310 \DeclareInputText{199}{\textSFxxxvii}  
3311 \DeclareInputText{200}{\textSFxxxviii}  
3312 \DeclareInputText{201}{\textSFxxxix}  
3313 \DeclareInputText{202}{\textSFxl}  
3314 \DeclareInputText{203}{\textSFxli}  
3315 \DeclareInputText{204}{\textSFxlii}  
3316 \DeclareInputText{205}{\textSFxliii}  
3317 \DeclareInputText{206}{\textSFxliv}  
3318 \DeclareInputText{207}{\textSFxlv}  
3319 \DeclareInputText{208}{\textSFxlvi}  
3320 \DeclareInputText{209}{\textSFxlvii}

```

3321 \DeclareInputText{210}{\textSFxlvi}
3322 \DeclareInputText{211}{\textSFxlvii}
3323 \DeclareInputText{212}{\textSFxlviii}
3324 \DeclareInputText{213}{\textSFxlix}
3325 \DeclareInputText{214}{\textSFl}
3326 \DeclareInputText{215}{\textSFlii}
3327 \DeclareInputText{216}{\textSFliv}
3328 \DeclareInputText{217}{\textSFlv}
3329 \DeclareInputText{218}{\textSFvi}
3330 \DeclareInputText{219}{\textblock}
3331 \DeclareInputText{220}{\textdnblock}
3332 \DeclareInputText{221}{\textlfblock}
3333 \DeclareInputText{222}{\textrtblock}
3334 \DeclareInputText{223}{\textupblock}
3335 \DeclareInputText{224}{\textalpha}
3336 \DeclareInputText{225}{\ss}
3337 \DeclareInputText{226}{\textGamma}
3338 \DeclareInputText{227}{\textpi}
3339 \DeclareInputText{228}{\textSigma}
3340 \DeclareInputText{229}{\textsigma}
3341 \DeclareInputText{230}{\textmu}
3342 \DeclareInputText{231}{\texttau}
3343 \DeclareInputText{232}{\textPhi}
3344 \DeclareInputText{233}{\textTheta}
3345 \DeclareInputText{234}{\textOmega}
3346 \DeclareInputText{235}{\textdelta}
3347 \DeclareInputText{236}{\textinfinity}
3348 \DeclareInputText{237}{\textphi}
3349 \DeclareInputText{238}{\textepsilon}
3350 \DeclareInputText{239}{\textintersection}
3351 \DeclareInputText{240}{\textequivalence}
3352 \DeclareInputText{241}{\textpm}
3353 \DeclareInputText{242}{\textgreaterorequal}
3354 \DeclareInputText{243}{\textlessequal}
3355 \DeclareInputText{246}{\textdiv}
3356 \DeclareInputText{247}{\textapproxequal}
3357 \DeclareInputText{248}{\textdegree}
3358 \DeclareInputText{249}{\textbullet}
3359 \DeclareInputText{250}{\textperiodcentered}
3360 \DeclareInputText{251}{\textsurd}
3361 \DeclareInputText{252}{\textnsuperior}
3362 \DeclareInputText{253}{\texttwosuperior}
3363 \DeclareInputText{254}{\textblacksquare}
3364 \DeclareInputText{255}{\nobreakspace}
3365 \RestoreAtCatcode
3366 </cp865>

```

## 2.5.22 Encoding cp866

```

3367 <*cp866>
3368 \ProvidesFile{x-cp866.def}%
3369 [2016/05/16 v1.11 Input encoding cp866 (inputenx)]%
3370 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
3371 \makeatletter
3372 \ProvideTextCommandDefault{\textblacksquare}{%
3373 \vrule \@width .3em \@height .4em \@depth -.1em\relax
3374 }
3375 \ProvideTextCommandDefault{\textcurrency}{%
3376 \TextSymbolUnavailable\textcurrency
3377 }
3378 \ProvideTextCommandDefault{\textdegree}{%
3379 \ensuremath{\textcircled{0}}}%
3380 }
3381 \ProvideTextCommandDefault{\textnumero}{%

```

```

3382 N%
3383 \bgroup
3384 \check@mathfonts
3385 \fontsize\sf@size\z@
3386 \math@fontsfalse
3387 \selectfont
3388 \oalign{%
3389   \raise0.5ex\hbox{o}%
3390   \cr
3391   \hline
3392 }%
3393 \egroup
3394 }
3395 \ProvideTextCommandDefault{\textsurd}{%
3396 \ensuremath\surd
3397 }
3398 \DeclareInputText{128}{\CYRA}
3399 \DeclareInputText{129}{\CYRB}
3400 \DeclareInputText{130}{\CYRV}
3401 \DeclareInputText{131}{\CYRG}
3402 \DeclareInputText{132}{\CYRD}
3403 \DeclareInputText{133}{\CYRE}
3404 \DeclareInputText{134}{\CYRZH}
3405 \DeclareInputText{135}{\CYRZ}
3406 \DeclareInputText{136}{\CYRI}
3407 \DeclareInputText{137}{\CYRISHRT}
3408 \DeclareInputText{138}{\CYRK}
3409 \DeclareInputText{139}{\CYRL}
3410 \DeclareInputText{140}{\CYRM}
3411 \DeclareInputText{141}{\CYRN}
3412 \DeclareInputText{142}{\CYRO}
3413 \DeclareInputText{143}{\CYRP}
3414 \DeclareInputText{144}{\CYRR}
3415 \DeclareInputText{145}{\CYRS}
3416 \DeclareInputText{146}{\CYRT}
3417 \DeclareInputText{147}{\CYRU}
3418 \DeclareInputText{148}{\CYRF}
3419 \DeclareInputText{149}{\CYRH}
3420 \DeclareInputText{150}{\CYRC}
3421 \DeclareInputText{151}{\CYRCH}
3422 \DeclareInputText{152}{\CYRSH}
3423 \DeclareInputText{153}{\CYRSHCH}
3424 \DeclareInputText{154}{\CYRHRDSN}
3425 \DeclareInputText{155}{\CYRERY}
3426 \DeclareInputText{156}{\CYRSFTSN}
3427 \DeclareInputText{157}{\CYREREV}
3428 \DeclareInputText{158}{\CYRYU}
3429 \DeclareInputText{159}{\CYRYA}
3430 \DeclareInputText{160}{\cyra}
3431 \DeclareInputText{161}{\cyrb}
3432 \DeclareInputText{162}{\cyrv}
3433 \DeclareInputText{163}{\cyrg}
3434 \DeclareInputText{164}{\cyrd}
3435 \DeclareInputText{165}{\cyre}
3436 \DeclareInputText{166}{\cyrzh}
3437 \DeclareInputText{167}{\cyrz}
3438 \DeclareInputText{168}{\cyri}
3439 \DeclareInputText{169}{\cyrishrt}
3440 \DeclareInputText{170}{\cyrk}
3441 \DeclareInputText{171}{\cyrl}
3442 \DeclareInputText{172}{\cyrm}
3443 \DeclareInputText{173}{\cyrn}

```

3444 \DeclareInputText{174}{\cyro}  
3445 \DeclareInputText{175}{\cyrp}  
3446 \DeclareInputText{176}{\textltshade}  
3447 \DeclareInputText{177}{\textshade}  
3448 \DeclareInputText{178}{\textdkshade}  
3449 \DeclareInputText{179}{\textSFxi}  
3450 \DeclareInputText{180}{\textSFix}  
3451 \DeclareInputText{181}{\textSFxix}  
3452 \DeclareInputText{182}{\textSFxx}  
3453 \DeclareInputText{183}{\textSFxxi}  
3454 \DeclareInputText{184}{\textSFxxii}  
3455 \DeclareInputText{185}{\textSFxxiii}  
3456 \DeclareInputText{186}{\textSFxxiv}  
3457 \DeclareInputText{187}{\textSFxxv}  
3458 \DeclareInputText{188}{\textSFxxvi}  
3459 \DeclareInputText{189}{\textSFxxvii}  
3460 \DeclareInputText{190}{\textSFxxviii}  
3461 \DeclareInputText{191}{\textSFiii}  
3462 \DeclareInputText{192}{\textSFii}  
3463 \DeclareInputText{193}{\textSFvii}  
3464 \DeclareInputText{194}{\textSFvi}  
3465 \DeclareInputText{195}{\textSFviii}  
3466 \DeclareInputText{196}{\textSFx}  
3467 \DeclareInputText{197}{\textSFv}  
3468 \DeclareInputText{198}{\textSFxxxvi}  
3469 \DeclareInputText{199}{\textSFxxxvii}  
3470 \DeclareInputText{200}{\textSFxxxviii}  
3471 \DeclareInputText{201}{\textSFxxxix}  
3472 \DeclareInputText{202}{\textSFxi}  
3473 \DeclareInputText{203}{\textSFxli}  
3474 \DeclareInputText{204}{\textSFxlii}  
3475 \DeclareInputText{205}{\textSFxliii}  
3476 \DeclareInputText{206}{\textSFxliv}  
3477 \DeclareInputText{207}{\textSFxlv}  
3478 \DeclareInputText{208}{\textSFxlvi}  
3479 \DeclareInputText{209}{\textSFxlvii}  
3480 \DeclareInputText{210}{\textSFxlviii}  
3481 \DeclareInputText{211}{\textSFxlix}  
3482 \DeclareInputText{212}{\textSF1}  
3483 \DeclareInputText{213}{\textSFli}  
3484 \DeclareInputText{214}{\textSFlii}  
3485 \DeclareInputText{215}{\textSFliii}  
3486 \DeclareInputText{216}{\textSFliv}  
3487 \DeclareInputText{217}{\textSFiv}  
3488 \DeclareInputText{218}{\textSFi}  
3489 \DeclareInputText{219}{\textblock}  
3490 \DeclareInputText{220}{\textdnblock}  
3491 \DeclareInputText{221}{\textlfblock}  
3492 \DeclareInputText{222}{\textrtblock}  
3493 \DeclareInputText{223}{\textupblock}  
3494 \DeclareInputText{224}{\cyrr}  
3495 \DeclareInputText{225}{\cyrs}  
3496 \DeclareInputText{226}{\cyrtr}  
3497 \DeclareInputText{227}{\cyrur}  
3498 \DeclareInputText{228}{\cyrfr}  
3499 \DeclareInputText{229}{\cyrhr}  
3500 \DeclareInputText{230}{\cyrch}  
3501 \DeclareInputText{231}{\cyrch}  
3502 \DeclareInputText{232}{\cyrsh}  
3503 \DeclareInputText{233}{\cyrshch}  
3504 \DeclareInputText{234}{\cyrhrdsn}  
3505 \DeclareInputText{235}{\cyrery}

```

3506 \DeclareInputText{236}{\cyrftsns}
3507 \DeclareInputText{237}{\cyrerev}
3508 \DeclareInputText{238}{\cyryst}
3509 \DeclareInputText{239}{\cyrysta}
3510 \DeclareInputText{240}{\CYRYO}
3511 \DeclareInputText{241}{\cyrysto}
3512 \DeclareInputText{242}{\CYRIE}
3513 \DeclareInputText{243}{\cyryste}
3514 \DeclareInputText{244}{\CYRYI}
3515 \DeclareInputText{245}{\cyrysti}
3516 \DeclareInputText{246}{\CYRUSHRT}
3517 \DeclareInputText{247}{\cyrushrt}
3518 \DeclareInputText{248}{\textdegree}
3519 \DeclareInputText{249}{\textbullet}
3520 \DeclareInputText{250}{\textperiodcentered}
3521 \DeclareInputText{251}{\textsurd}
3522 \DeclareInputText{252}{\textnumero}
3523 \DeclareInputText{253}{\textcurrency}
3524 \DeclareInputText{254}{\textblacksquare}
3525 \DeclareInputText{255}{\nobreakspace}
3526 \RestoreAtCatcode
3527 </cp866>

```

### 2.5.23 Encoding cp1250

```

3528 <*cp1250>
3529 \ProvidesFile{x-cp1250.def}%
3530 [2016/05/16 v1.11 Input encoding cp1250 (inputenx)]%
3531 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
3532 \makeatletter
3533 \ProvideTextCommandDefault{\textacutedbl}{%
3534 \H{}}%
3535 }
3536 \ProvideTextCommandDefault{\textasciicircum}{%
3537 \@tabacckludge'{}%
3538 }
3539 \ProvideTextCommandDefault{\textasciibreve}{%
3540 \u{}}%
3541 }
3542 \ProvideTextCommandDefault{\textasciicaron}{%
3543 \v{}}%
3544 }
3545 \ProvideTextCommandDefault{\textasciidieresis}{%
3546 \~{}}%
3547 }
3548 \ProvideTextCommandDefault{\textbrokenbar}{%
3549 \TextSymbolUnavailable\textbrokenbar
3550 }
3551 \ProvideTextCommandDefault{\textcurrency}{%
3552 \TextSymbolUnavailable\textcurrency
3553 }
3554 \ProvideTextCommandDefault{\textdegree}{%
3555 \ensuremath{\textcircled{}}}%
3556 }
3557 \ProvideTextCommandDefault{\textdiv}{%
3558 \TextSymbolUnavailable\textdiv
3559 }
3560 \ProvideTextCommandDefault{\texteuro}{%
3561 \TextSymbolUnavailable\texteuro
3562 }
3563 \ProvideTextCommandDefault{\textlnot}{%
3564 \ensuremath{\lnot}}%
3565 }
3566 \ProvideTextCommandDefault{\textmu}{%

```

```

3567 \ensuremath\mu
3568 }
3569 \ProvideTextCommandDefault{\textpm}{%
3570 \ensuremath\pm
3571 }
3572 \ProvideTextCommandDefault{\texttimes}{%
3573 \ensuremath\times
3574 }
3575 \DeclareInputText{128}{\texteuro}
3576 \DeclareInputText{130}{\quotesinglbase}
3577 \DeclareInputText{132}{\quotedblbase}
3578 \DeclareInputText{133}{\textellipsis}
3579 \DeclareInputText{134}{\textdagger}
3580 \DeclareInputText{135}{\textdaggerdbl}
3581 \DeclareInputText{137}{\textperthousand}
3582 \DeclareInputText{138}{\v S}
3583 \DeclareInputText{139}{\guilsinglleft}
3584 \DeclareInputText{140}{\@tabacckludge'S}
3585 \DeclareInputText{141}{\v T}
3586 \DeclareInputText{142}{\v Z}
3587 \DeclareInputText{143}{\@tabacckludge'Z}
3588 \DeclareInputText{145}{\textquoteleft}
3589 \DeclareInputText{146}{\textquoteright}
3590 \DeclareInputText{147}{\textquotedblleft}
3591 \DeclareInputText{148}{\textquotedblright}
3592 \DeclareInputText{149}{\textbullet}
3593 \DeclareInputText{150}{\textendash}
3594 \DeclareInputText{151}{\textemdash}
3595 \DeclareInputText{153}{\texttrademark}
3596 \DeclareInputText{154}{\v s}
3597 \DeclareInputText{155}{\guilsinglright}
3598 \DeclareInputText{156}{\@tabacckludge's}
3599 \DeclareInputText{157}{\v t}
3600 \DeclareInputText{158}{\v z}
3601 \DeclareInputText{159}{\@tabacckludge'z}
3602 \DeclareInputText{160}{\nobreakspace}
3603 \DeclareInputText{161}{\textasciicaron}
3604 \DeclareInputText{162}{\textasciibreve}
3605 \DeclareInputText{163}{\L}
3606 \DeclareInputText{164}{\textcurrency}
3607 \DeclareInputText{165}{\k A}
3608 \DeclareInputText{166}{\textbrokenbar}
3609 \DeclareInputText{167}{\textsection}
3610 \DeclareInputText{168}{\textasciidieresis}
3611 \DeclareInputText{169}{\textcopyright}
3612 \DeclareInputText{170}{\c S}
3613 \DeclareInputText{171}{\guillemotleft}
3614 \DeclareInputText{172}{\textlnot}
3615 \DeclareInputText{173}{\~}
3616 \DeclareInputText{174}{\textregistered}
3617 \DeclareInputText{175}{\Z}
3618 \DeclareInputText{176}{\textdegree}
3619 \DeclareInputText{177}{\textpm}
3620 \DeclareInputText{178}{\k{}}
3621 \DeclareInputText{179}{\l}
3622 \DeclareInputText{180}{\textasciiacute}
3623 \DeclareInputText{181}{\textmu}
3624 \DeclareInputText{182}{\textparagraph}
3625 \DeclareInputText{183}{\textperiodcentered}
3626 \DeclareInputText{184}{\c \}
3627 \DeclareInputText{185}{\k a}
3628 \DeclareInputText{186}{\c s}

```

3629 \DeclareInputText{187}{\guillemotright}  
3630 \DeclareInputText{188}{\v L}  
3631 \DeclareInputText{189}{\textacutedbl}  
3632 \DeclareInputText{190}{\v l}  
3633 \DeclareInputText{191}{\z}  
3634 \DeclareInputText{192}{\@tabacckludge'R}  
3635 \DeclareInputText{193}{\@tabacckludge'A}  
3636 \DeclareInputText{194}{\^A}  
3637 \DeclareInputText{195}{\u A}  
3638 \DeclareInputText{196}{\ "A}  
3639 \DeclareInputText{197}{\@tabacckludge'L}  
3640 \DeclareInputText{198}{\@tabacckludge'C}  
3641 \DeclareInputText{199}{\c C}  
3642 \DeclareInputText{200}{\v C}  
3643 \DeclareInputText{201}{\@tabacckludge'E}  
3644 \DeclareInputText{202}{\k E}  
3645 \DeclareInputText{203}{\ "E}  
3646 \DeclareInputText{204}{\v E}  
3647 \DeclareInputText{205}{\@tabacckludge'I}  
3648 \DeclareInputText{206}{\^I}  
3649 \DeclareInputText{207}{\v D}  
3650 \DeclareInputText{208}{\DJ}  
3651 \DeclareInputText{209}{\@tabacckludge'N}  
3652 \DeclareInputText{210}{\v N}  
3653 \DeclareInputText{211}{\@tabacckludge'O}  
3654 \DeclareInputText{212}{\^O}  
3655 \DeclareInputText{213}{\H O}  
3656 \DeclareInputText{214}{\ "O}  
3657 \DeclareInputText{215}{\texttimes}  
3658 \DeclareInputText{216}{\v R}  
3659 \DeclareInputText{217}{\r U}  
3660 \DeclareInputText{218}{\@tabacckludge'U}  
3661 \DeclareInputText{219}{\H U}  
3662 \DeclareInputText{220}{\ "U}  
3663 \DeclareInputText{221}{\@tabacckludge'Y}  
3664 \DeclareInputText{222}{\c T}  
3665 \DeclareInputText{223}{\ss}  
3666 \DeclareInputText{224}{\@tabacckludge'r}  
3667 \DeclareInputText{225}{\@tabacckludge'a}  
3668 \DeclareInputText{226}{\^a}  
3669 \DeclareInputText{227}{\u a}  
3670 \DeclareInputText{228}{\ "a}  
3671 \DeclareInputText{229}{\@tabacckludge'l}  
3672 \DeclareInputText{230}{\@tabacckludge'c}  
3673 \DeclareInputText{231}{\c c}  
3674 \DeclareInputText{232}{\v c}  
3675 \DeclareInputText{233}{\@tabacckludge'e}  
3676 \DeclareInputText{234}{\k e}  
3677 \DeclareInputText{235}{\ "e}  
3678 \DeclareInputText{236}{\v e}  
3679 \DeclareInputText{237}{\@tabacckludge'i}  
3680 \DeclareInputText{238}{\^i}  
3681 \DeclareInputText{239}{\v d}  
3682 \DeclareInputText{240}{\dj}  
3683 \DeclareInputText{241}{\@tabacckludge'n}  
3684 \DeclareInputText{242}{\v n}  
3685 \DeclareInputText{243}{\@tabacckludge'o}  
3686 \DeclareInputText{244}{\^o}  
3687 \DeclareInputText{245}{\H o}  
3688 \DeclareInputText{246}{\ "o}  
3689 \DeclareInputText{247}{\textdiv}  
3690 \DeclareInputText{248}{\v r}

```

3691 \DeclareInputText{249}{\r u}
3692 \DeclareInputText{250}{\@tabacckludge'u}
3693 \DeclareInputText{251}{\H u}
3694 \DeclareInputText{252}{\"u}
3695 \DeclareInputText{253}{\@tabacckludge'y}
3696 \DeclareInputText{254}{\c t}
3697 \DeclareInputText{255}{\.{}}
3698 \RestoreAtCatcode
3699 </cp1250>

```

## 2.5.24 Encoding cp1251

```

3700 <*cp1251>
3701 \ProvidesFile{x-cp1251.def}%
3702 [2016/05/16 v1.11 Input encoding cp1251 (inputenx)]%
3703 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
3704 \makeatletter
3705 \ProvideTextCommandDefault{\textbrokenbar}{%
3706   \TextSymbolUnavailable\textbrokenbar
3707 }
3708 \ProvideTextCommandDefault{\textcurrency}{%
3709   \TextSymbolUnavailable\textcurrency
3710 }
3711 \ProvideTextCommandDefault{\textdegree}{%
3712   \ensuremath{\text{\textcircled{~}}}%
3713 }
3714 \ProvideTextCommandDefault{\texteuro}{%
3715   \TextSymbolUnavailable\texteuro
3716 }
3717 \ProvideTextCommandDefault{\textlnot}{%
3718   \ensuremath{\text{\textnot}}%
3719 }
3720 \ProvideTextCommandDefault{\textmu}{%
3721   \ensuremath{\text{\textmu}}%
3722 }
3723 \ProvideTextCommandDefault{\textnumero}{%
3724   N%
3725   \bgroup
3726     \check@mathfonts
3727     \fontsize\sf@size\z@
3728     \math@fontsfalse
3729     \selectfont
3730     \oalign{%
3731       \raise0.5ex\hbox{o}%
3732       \crr
3733       \hline
3734     }%
3735   \egroup
3736 }
3737 \ProvideTextCommandDefault{\textpm}{%
3738   \ensuremath{\text{\textpm}}%
3739 }
3740 \DeclareInputText{128}{\CYRDJE}
3741 \DeclareInputText{129}{\@tabacckludge\CYRG}
3742 \DeclareInputText{130}{\quotesinglbase}
3743 \DeclareInputText{131}{\@tabacckludge\cyrg}
3744 \DeclareInputText{132}{\quotedblbase}
3745 \DeclareInputText{133}{\textellipsis}
3746 \DeclareInputText{134}{\textdagger}
3747 \DeclareInputText{135}{\textdaggerdbl}
3748 \DeclareInputText{136}{\texteuro}
3749 \DeclareInputText{137}{\textperthousand}
3750 \DeclareInputText{138}{\CYRLJE}
3751 \DeclareInputText{139}{\guilsinglleft}

```

3752 \DeclareInputText{140}{\CYRNJE}  
3753 \DeclareInputText{141}{\@tabacckludge\CYRK}  
3754 \DeclareInputText{142}{\CYRTSHE}  
3755 \DeclareInputText{143}{\CYRDZHE}  
3756 \DeclareInputText{144}{\cyrdje}  
3757 \DeclareInputText{145}{\textquoteleft}  
3758 \DeclareInputText{146}{\textquoteright}  
3759 \DeclareInputText{147}{\textquotedblleft}  
3760 \DeclareInputText{148}{\textquotedblright}  
3761 \DeclareInputText{149}{\textbullet}  
3762 \DeclareInputText{150}{\textendash}  
3763 \DeclareInputText{151}{\textemdash}  
3764 \DeclareInputText{153}{\texttrademark}  
3765 \DeclareInputText{154}{\cyrlje}  
3766 \DeclareInputText{155}{\guilsinglright}  
3767 \DeclareInputText{156}{\cyrnje}  
3768 \DeclareInputText{157}{\@tabacckludge\cyrk}  
3769 \DeclareInputText{158}{\cyrtshe}  
3770 \DeclareInputText{159}{\cyrdzhe}  
3771 \DeclareInputText{160}{\nobreakspace}  
3772 \DeclareInputText{161}{\CYRUSHRT}  
3773 \DeclareInputText{162}{\cyrushrt}  
3774 \DeclareInputText{163}{\CYRJE}  
3775 \DeclareInputText{164}{\textcurrency}  
3776 \DeclareInputText{165}{\CYRGUP}  
3777 \DeclareInputText{166}{\textbrokenbar}  
3778 \DeclareInputText{167}{\textsection}  
3779 \DeclareInputText{168}{\CYRYO}  
3780 \DeclareInputText{169}{\textcopyright}  
3781 \DeclareInputText{170}{\CYRIE}  
3782 \DeclareInputText{171}{\guillemotleft}  
3783 \DeclareInputText{172}{\textlnot}  
3784 \DeclareInputText{173}{\~}  
3785 \DeclareInputText{174}{\textregistered}  
3786 \DeclareInputText{175}{\CYRYI}  
3787 \DeclareInputText{176}{\textdegree}  
3788 \DeclareInputText{177}{\textpm}  
3789 \DeclareInputText{178}{\CYRII}  
3790 \DeclareInputText{179}{\cyrrii}  
3791 \DeclareInputText{180}{\cyrgup}  
3792 \DeclareInputText{181}{\textmu}  
3793 \DeclareInputText{182}{\textparagraph}  
3794 \DeclareInputText{183}{\textperiodcentered}  
3795 \DeclareInputText{184}{\cyrryo}  
3796 \DeclareInputText{185}{\textnumero}  
3797 \DeclareInputText{186}{\cyrrie}  
3798 \DeclareInputText{187}{\guillemotright}  
3799 \DeclareInputText{188}{\cyrje}  
3800 \DeclareInputText{189}{\CYRDZE}  
3801 \DeclareInputText{190}{\cyrdze}  
3802 \DeclareInputText{191}{\cyrrii}  
3803 \DeclareInputText{192}{\CYRA}  
3804 \DeclareInputText{193}{\CYRB}  
3805 \DeclareInputText{194}{\CYRV}  
3806 \DeclareInputText{195}{\CYRG}  
3807 \DeclareInputText{196}{\CYRD}  
3808 \DeclareInputText{197}{\CYRE}  
3809 \DeclareInputText{198}{\CYRZH}  
3810 \DeclareInputText{199}{\CYRZ}  
3811 \DeclareInputText{200}{\CYRI}  
3812 \DeclareInputText{201}{\CYRISHRT}  
3813 \DeclareInputText{202}{\CYRK}

```

3814 \DeclareInputText{203}{\CYRL}
3815 \DeclareInputText{204}{\CYRM}
3816 \DeclareInputText{205}{\CYRN}
3817 \DeclareInputText{206}{\CYRO}
3818 \DeclareInputText{207}{\CYRP}
3819 \DeclareInputText{208}{\CYRR}
3820 \DeclareInputText{209}{\CYRS}
3821 \DeclareInputText{210}{\CYRT}
3822 \DeclareInputText{211}{\CYRU}
3823 \DeclareInputText{212}{\CYRF}
3824 \DeclareInputText{213}{\CYRH}
3825 \DeclareInputText{214}{\CYRC}
3826 \DeclareInputText{215}{\CYRCH}
3827 \DeclareInputText{216}{\CYRSH}
3828 \DeclareInputText{217}{\CYRSHCH}
3829 \DeclareInputText{218}{\CYRHRDSN}
3830 \DeclareInputText{219}{\CYRERY}
3831 \DeclareInputText{220}{\CYRSFTSN}
3832 \DeclareInputText{221}{\CYREREV}
3833 \DeclareInputText{222}{\CYRYU}
3834 \DeclareInputText{223}{\CYRYA}
3835 \DeclareInputText{224}{\cyra}
3836 \DeclareInputText{225}{\cyrb}
3837 \DeclareInputText{226}{\cyrv}
3838 \DeclareInputText{227}{\cyrg}
3839 \DeclareInputText{228}{\cyrd}
3840 \DeclareInputText{229}{\cyre}
3841 \DeclareInputText{230}{\cyrzh}
3842 \DeclareInputText{231}{\cyrz}
3843 \DeclareInputText{232}{\cyri}
3844 \DeclareInputText{233}{\cyrishrt}
3845 \DeclareInputText{234}{\cyrk}
3846 \DeclareInputText{235}{\cyr}
3847 \DeclareInputText{236}{\cyr}
3848 \DeclareInputText{237}{\cyr}
3849 \DeclareInputText{238}{\cyr}
3850 \DeclareInputText{239}{\cyrp}
3851 \DeclareInputText{240}{\cyr}
3852 \DeclareInputText{241}{\cyr}
3853 \DeclareInputText{242}{\cyr}
3854 \DeclareInputText{243}{\cyr}
3855 \DeclareInputText{244}{\cyr}
3856 \DeclareInputText{245}{\cyr}
3857 \DeclareInputText{246}{\cyr}
3858 \DeclareInputText{247}{\cyr}
3859 \DeclareInputText{248}{\cyr}
3860 \DeclareInputText{249}{\cyr}
3861 \DeclareInputText{250}{\cyr}
3862 \DeclareInputText{251}{\cyr}
3863 \DeclareInputText{252}{\cyr}
3864 \DeclareInputText{253}{\cyr}
3865 \DeclareInputText{254}{\cyr}
3866 \DeclareInputText{255}{\cyr}
3867 \RestoreAtCatcode
3868 </cp1251>

```

## 2.5.25 Encoding cp1252

```

3869 <*cp1252>
3870 \ProvidesFile{x-cp1252.def}%
3871 [2016/05/16 v1.11 Input encoding cp1252 (inputenx)]%
3872 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
3873 \makeatletter
3874 \ProvideTextCommandDefault{\textasciicute}{%

```

```

3875 \@tabacckludge'{}%
3876 }
3877 \ProvideTextCommandDefault{\textasciidieresis}{%
3878 \{"}%
3879 }
3880 \ProvideTextCommandDefault{\textasciimacron}{%
3881 \@tabacckludge={}%
3882 }
3883 \ProvideTextCommandDefault{\textbrokenbar}{%
3884 \TextSymbolUnavailable\textbrokenbar
3885 }
3886 \ProvideTextCommandDefault{\textcent}{%
3887 \TextSymbolUnavailable\textcent
3888 }
3889 \ProvideTextCommandDefault{\textcurrency}{%
3890 \TextSymbolUnavailable\textcurrency
3891 }
3892 \ProvideTextCommandDefault{\textdegree}{%
3893 \ensuremath{\text{\circ}}%
3894 }
3895 \ProvideTextCommandDefault{\textdiv}{%
3896 \TextSymbolUnavailable\textdiv
3897 }
3898 \ProvideTextCommandDefault{\texteuro}{%
3899 \TextSymbolUnavailable\texteuro
3900 }
3901 \ProvideTextCommandDefault{\textflorin}{%
3902 \textit{f}}%
3903 }
3904 \ProvideTextCommandDefault{\textlnot}{%
3905 \ensuremath{\lnot}
3906 }
3907 \ProvideTextCommandDefault{\textmu}{%
3908 \ensuremath{\mu}
3909 }
3910 \ProvideTextCommandDefault{\textonehalf}{%
3911 \ensuremath{\frac{1}{2}}%
3912 }
3913 \ProvideTextCommandDefault{\textonequarter}{%
3914 \ensuremath{\frac{1}{4}}%
3915 }
3916 \ProvideTextCommandDefault{\textonesuperior}{%
3917 \ensuremath{\text{\sup1}}%
3918 }
3919 \ProvideTextCommandDefault{\textpm}{%
3920 \ensuremath{\pm}
3921 }
3922 \ProvideTextCommandDefault{\textthreequarters}{%
3923 \ensuremath{\frac{3}{4}}%
3924 }
3925 \ProvideTextCommandDefault{\textthreesuperior}{%
3926 \ensuremath{\text{\sup3}}%
3927 }
3928 \ProvideTextCommandDefault{\texttimes}{%
3929 \ensuremath{\times}
3930 }
3931 \ProvideTextCommandDefault{\texttwosuperior}{%
3932 \ensuremath{\text{\sup2}}%
3933 }
3934 \ProvideTextCommandDefault{\textyen}{%
3935 \TextSymbolUnavailable\textyen
3936 }

```

3937 \DeclareInputText{128}{\texteuro}  
3938 \DeclareInputText{130}{\quotesinglbase}  
3939 \DeclareInputText{131}{\textflorin}  
3940 \DeclareInputText{132}{\quotedblbase}  
3941 \DeclareInputText{133}{\textellipsis}  
3942 \DeclareInputText{134}{\textdagger}  
3943 \DeclareInputText{135}{\textdaggerdbl}  
3944 \DeclareInputText{136}{\textasciicircum}  
3945 \DeclareInputText{137}{\textperthousand}  
3946 \DeclareInputText{138}{\v S}  
3947 \DeclareInputText{139}{\guilsinglleft}  
3948 \DeclareInputText{140}{\OE}  
3949 \DeclareInputText{142}{\v Z}  
3950 \DeclareInputText{145}{\textquoteleft}  
3951 \DeclareInputText{146}{\textquoteright}  
3952 \DeclareInputText{147}{\textquotedblleft}  
3953 \DeclareInputText{148}{\textquotedblright}  
3954 \DeclareInputText{149}{\textbullet}  
3955 \DeclareInputText{150}{\textendash}  
3956 \DeclareInputText{151}{\textemdash}  
3957 \DeclareInputText{152}{\textasciitilde}  
3958 \DeclareInputText{153}{\texttrademark}  
3959 \DeclareInputText{154}{\v s}  
3960 \DeclareInputText{155}{\guilsinglright}  
3961 \DeclareInputText{156}{\oe}  
3962 \DeclareInputText{158}{\v z}  
3963 \DeclareInputText{159}{\`Y}  
3964 \DeclareInputText{160}{\nobreakspace}  
3965 \DeclareInputText{161}{\textexclamdown}  
3966 \DeclareInputText{162}{\textcent}  
3967 \DeclareInputText{163}{\textsterling}  
3968 \DeclareInputText{164}{\textcurrency}  
3969 \DeclareInputText{165}{\textyen}  
3970 \DeclareInputText{166}{\textbrokenbar}  
3971 \DeclareInputText{167}{\textsection}  
3972 \DeclareInputText{168}{\textasciidieresis}  
3973 \DeclareInputText{169}{\textcopyright}  
3974 \DeclareInputText{170}{\textordfeminine}  
3975 \DeclareInputText{171}{\guillemotleft}  
3976 \DeclareInputText{172}{\textlnot}  
3977 \DeclareInputText{173}{\~}  
3978 \DeclareInputText{174}{\textregistered}  
3979 \DeclareInputText{175}{\textasciimacron}  
3980 \DeclareInputText{176}{\textdegree}  
3981 \DeclareInputText{177}{\textpm}  
3982 \DeclareInputText{178}{\texttwosuperior}  
3983 \DeclareInputText{179}{\textthreesuperior}  
3984 \DeclareInputText{180}{\textasciiacute}  
3985 \DeclareInputText{181}{\textmu}  
3986 \DeclareInputText{182}{\textparagraph}  
3987 \DeclareInputText{183}{\textperiodcentered}  
3988 \DeclareInputText{184}{\c\ }  
3989 \DeclareInputText{185}{\textonesuperior}  
3990 \DeclareInputText{186}{\textordmasculine}  
3991 \DeclareInputText{187}{\guillemotright}  
3992 \DeclareInputText{188}{\textonequarter}  
3993 \DeclareInputText{189}{\textonehalf}  
3994 \DeclareInputText{190}{\textthreequarters}  
3995 \DeclareInputText{191}{\textquestiondown}  
3996 \DeclareInputText{192}{\@tabacckludge`A}  
3997 \DeclareInputText{193}{\@tabacckludge'A}  
3998 \DeclareInputText{194}{\^A}

```

3999 \DeclareInputText{195}{\~A}
4000 \DeclareInputText{196}{\ "A}
4001 \DeclareInputText{197}{\r A}
4002 \DeclareInputText{198}{\AE}
4003 \DeclareInputText{199}{\c C}
4004 \DeclareInputText{200}{\@tabacckludge`E}
4005 \DeclareInputText{201}{\@tabacckludge'E}
4006 \DeclareInputText{202}{\^E}
4007 \DeclareInputText{203}{\ "E}
4008 \DeclareInputText{204}{\@tabacckludge`I}
4009 \DeclareInputText{205}{\@tabacckludge'I}
4010 \DeclareInputText{206}{\^I}
4011 \DeclareInputText{207}{\ "I}
4012 \DeclareInputText{208}{\DH}
4013 \DeclareInputText{209}{\~N}
4014 \DeclareInputText{210}{\@tabacckludge`O}
4015 \DeclareInputText{211}{\@tabacckludge'O}
4016 \DeclareInputText{212}{\^O}
4017 \DeclareInputText{213}{\~O}
4018 \DeclareInputText{214}{\ "O}
4019 \DeclareInputText{215}{\texttimes}
4020 \DeclareInputText{216}{\O}
4021 \DeclareInputText{217}{\@tabacckludge`U}
4022 \DeclareInputText{218}{\@tabacckludge'U}
4023 \DeclareInputText{219}{\^U}
4024 \DeclareInputText{220}{\ "U}
4025 \DeclareInputText{221}{\@tabacckludge`Y}
4026 \DeclareInputText{222}{\TH}
4027 \DeclareInputText{223}{\ss}
4028 \DeclareInputText{224}{\@tabacckludge`a}
4029 \DeclareInputText{225}{\@tabacckludge'a}
4030 \DeclareInputText{226}{\^a}
4031 \DeclareInputText{227}{\~a}
4032 \DeclareInputText{228}{\ "a}
4033 \DeclareInputText{229}{\r a}
4034 \DeclareInputText{230}{\ae}
4035 \DeclareInputText{231}{\c c}
4036 \DeclareInputText{232}{\@tabacckludge`e}
4037 \DeclareInputText{233}{\@tabacckludge'e}
4038 \DeclareInputText{234}{\^e}
4039 \DeclareInputText{235}{\ "e}
4040 \DeclareInputText{236}{\@tabacckludge`i}
4041 \DeclareInputText{237}{\@tabacckludge'i}
4042 \DeclareInputText{238}{\^i}
4043 \DeclareInputText{239}{\ "i}
4044 \DeclareInputText{240}{\dh}
4045 \DeclareInputText{241}{\~n}
4046 \DeclareInputText{242}{\@tabacckludge`o}
4047 \DeclareInputText{243}{\@tabacckludge'o}
4048 \DeclareInputText{244}{\^o}
4049 \DeclareInputText{245}{\~o}
4050 \DeclareInputText{246}{\ "o}
4051 \DeclareInputText{247}{\textdiv}
4052 \DeclareInputText{248}{\o}
4053 \DeclareInputText{249}{\@tabacckludge`u}
4054 \DeclareInputText{250}{\@tabacckludge'u}
4055 \DeclareInputText{251}{\^u}
4056 \DeclareInputText{252}{\ "u}
4057 \DeclareInputText{253}{\@tabacckludge'y}
4058 \DeclareInputText{254}{\th}
4059 \DeclareInputText{255}{\ "y}
4060 \RestoreAtCatcode

```

4061  $\langle$ /cp1252

## 2.5.26 Encoding cp1255

4062  $\langle$ \*cp1255

4063 \ProvidesFile{x-cp1255.def}%

4064 [2016/05/16 v1.11 Input encoding cp1255 (inputenx)]%

4065 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}

4066 \makeatletter

4067 \ProvideTextCommandDefault{\textasciiacute}{%

4068 \@tabacckludge'}{%

4069 }

4070 \ProvideTextCommandDefault{\textasciidiereis}{%

4071 \"}{%

4072 }

4073 \ProvideTextCommandDefault{\textasciimacron}{%

4074 \@tabacckludge={}%

4075 }

4076 \ProvideTextCommandDefault{\textbrokenbar}{%

4077 \TextSymbolUnavailable\textbrokenbar

4078 }

4079 \ProvideTextCommandDefault{\textcent}{%

4080 \TextSymbolUnavailable\textcent

4081 }

4082 \ProvideTextCommandDefault{\textdegree}{%

4083 \ensuremath{\text{\char"00B0}}%

4084 }

4085 \ProvideTextCommandDefault{\textdiv}{%

4086 \TextSymbolUnavailable\textdiv

4087 }

4088 \ProvideTextCommandDefault{\texteuro}{%

4089 \TextSymbolUnavailable\texteuro

4090 }

4091 \ProvideTextCommandDefault{\textflorin}{%

4092 \textit{f}}%

4093 }

4094 \ProvideTextCommandDefault{\textlnot}{%

4095 \ensuremath{\lnot}

4096 }

4097 \ProvideTextCommandDefault{\textmu}{%

4098 \ensuremath{\mu}

4099 }

4100 \ProvideTextCommandDefault{\textonehalf}{%

4101 \ensuremath{\frac{1}{2}}%

4102 }

4103 \ProvideTextCommandDefault{\textonequarter}{%

4104 \ensuremath{\frac{1}{4}}%

4105 }

4106 \ProvideTextCommandDefault{\textonesuperior}{%

4107 \ensuremath{\text{\char"00B9}}%

4108 }

4109 \ProvideTextCommandDefault{\textpm}{%

4110 \ensuremath{\text{\char"00B2}}

4111 }

4112 \ProvideTextCommandDefault{\textthreequarters}{%

4113 \ensuremath{\frac{3}{4}}%

4114 }

4115 \ProvideTextCommandDefault{\textthreesuperior}{%

4116 \ensuremath{\text{\char"00B3}}%

4117 }

4118 \ProvideTextCommandDefault{\texttimes}{%

4119 \ensuremath{\text{\char"00D7}}

4120 }

4121 \ProvideTextCommandDefault{\texttwosuperior}{%

```

4122 \ensuremath{{^2}}%
4123 }
4124 \ProvideTextCommandDefault{\textyen}{%
4125 \TextSymbolUnavailable\textyen
4126 }
4127 \DeclareInputText{128}{\texteuro}
4128 \DeclareInputText{130}{\quotesinglbase}
4129 \DeclareInputText{131}{\textflorin}
4130 \DeclareInputText{132}{\quotedblbase}
4131 \DeclareInputText{133}{\textellipsis}
4132 \DeclareInputText{134}{\textdagger}
4133 \DeclareInputText{135}{\textdaggerdbl}
4134 \DeclareInputText{136}{\textasciicircum}
4135 \DeclareInputText{137}{\textperthousand}
4136 \DeclareInputText{139}{\guilsinglleft}
4137 \DeclareInputText{145}{\textquoteleft}
4138 \DeclareInputText{146}{\textquoteright}
4139 \DeclareInputText{147}{\textquotedblleft}
4140 \DeclareInputText{148}{\textquotedblright}
4141 \DeclareInputText{149}{\textbullet}
4142 \DeclareInputText{150}{\textendash}
4143 \DeclareInputText{151}{\textemdash}
4144 \DeclareInputText{152}{\textasciitilde}
4145 \DeclareInputText{153}{\texttrademark}
4146 \DeclareInputText{155}{\guilsinglright}
4147 \DeclareInputText{160}{\nobreakspace}
4148 \DeclareInputText{161}{\textexclamdown}
4149 \DeclareInputText{162}{\textcent}
4150 \DeclareInputText{163}{\textsterling}
4151 \DeclareInputText{165}{\textyen}
4152 \DeclareInputText{166}{\textbrokenbar}
4153 \DeclareInputText{167}{\textsection}
4154 \DeclareInputText{168}{\textasciidieresis}
4155 \DeclareInputText{169}{\textcopyright}
4156 \DeclareInputText{170}{\texttimes}
4157 \DeclareInputText{171}{\guillemotleft}
4158 \DeclareInputText{172}{\textlnot}
4159 \DeclareInputText{173}{\textasciicaron}
4160 \DeclareInputText{174}{\textregistered}
4161 \DeclareInputText{175}{\textasciimacron}
4162 \DeclareInputText{176}{\textdegree}
4163 \DeclareInputText{177}{\textpm}
4164 \DeclareInputText{178}{\texttwosuperior}
4165 \DeclareInputText{179}{\textthreesuperior}
4166 \DeclareInputText{180}{\textasciacute}
4167 \DeclareInputText{181}{\textmu}
4168 \DeclareInputText{182}{\textparagraph}
4169 \DeclareInputText{183}{\textperiodcentered}
4170 \DeclareInputText{184}{\c }
4171 \DeclareInputText{185}{\textonesuperior}
4172 \DeclareInputText{186}{\textdiv}
4173 \DeclareInputText{187}{\guillemotright}
4174 \DeclareInputText{188}{\textonequarter}
4175 \DeclareInputText{189}{\textonehalf}
4176 \DeclareInputText{190}{\textthreequarters}
4177 \DeclareInputText{191}{\textquestiondown}
4178 \DeclareInputText{224}{\hebaleft}
4179 \DeclareInputText{225}{\hebbet}
4180 \DeclareInputText{226}{\hebgimel}
4181 \DeclareInputText{227}{\hebdalet}
4182 \DeclareInputText{228}{\hebhe}
4183 \DeclareInputText{229}{\hebvav}

```

```

4184 \DeclareInputText{230}{\hebzayin}
4185 \DeclareInputText{231}{\hebhet}
4186 \DeclareInputText{232}{\hebtet}
4187 \DeclareInputText{233}{\hebyod}
4188 \DeclareInputText{234}{\hebfinalkaf}
4189 \DeclareInputText{235}{\hebkafe}
4190 \DeclareInputText{236}{\heblamed}
4191 \DeclareInputText{237}{\hebfinalmem}
4192 \DeclareInputText{238}{\hebmeme}
4193 \DeclareInputText{239}{\hebfinalnun}
4194 \DeclareInputText{240}{\hebnun}
4195 \DeclareInputText{241}{\hebsamekh}
4196 \DeclareInputText{242}{\hebayin}
4197 \DeclareInputText{243}{\hebfinalpe}
4198 \DeclareInputText{244}{\hebpe}
4199 \DeclareInputText{245}{\hebfinaltsadi}
4200 \DeclareInputText{246}{\hebtsadi}
4201 \DeclareInputText{247}{\hebqof}
4202 \DeclareInputText{248}{\hebresh}
4203 \DeclareInputText{249}{\hebshin}
4204 \DeclareInputText{250}{\hebtav}
4205 \RestoreAtCatcode
4206 </cp1255>

```

### 2.5.27 Encoding cp1257

```

4207 <*cp1257>
4208 \ProvidesFile{x-cp1257.def}%
4209 [2016/05/16 v1.11 Input encoding cp1257 (inputenx)]%
4210 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
4211 \makeatletter
4212 \ProvideTextCommandDefault{\textasciacute}{}%
4213 \@tabacckludge'{}%
4214 }
4215 \ProvideTextCommandDefault{\textasciicaron}{}%
4216 \v{}%
4217 }
4218 \ProvideTextCommandDefault{\textasciidieresis}{}%
4219 \{}%
4220 }
4221 \ProvideTextCommandDefault{\textasciimacron}{}%
4222 \@tabacckludge={}%
4223 }
4224 \ProvideTextCommandDefault{\textbrokenbar}{}%
4225 \TextSymbolUnavailable\textbrokenbar
4226 }
4227 \ProvideTextCommandDefault{\textcent}{}%
4228 \TextSymbolUnavailable\textcent
4229 }
4230 \ProvideTextCommandDefault{\textcurrency}{}%
4231 \TextSymbolUnavailable\textcurrency
4232 }
4233 \ProvideTextCommandDefault{\textdegree}{}%
4234 \ensuremath{{}^\circ}%
4235 }
4236 \ProvideTextCommandDefault{\textdiv}{}%
4237 \TextSymbolUnavailable\textdiv
4238 }
4239 \ProvideTextCommandDefault{\texteuro}{}%
4240 \TextSymbolUnavailable\texteuro
4241 }
4242 \ProvideTextCommandDefault{\textlnot}{}%
4243 \ensuremath{\lnot}
4244 }

```

```

4245 \ProvideTextCommandDefault{\textmu}{%
4246   \ensuremath\mu
4247 }
4248 \ProvideTextCommandDefault{\textonehalf}{%
4249   \ensuremath{\frac{1}{2}}%
4250 }
4251 \ProvideTextCommandDefault{\textonequarter}{%
4252   \ensuremath{\frac{1}{4}}%
4253 }
4254 \ProvideTextCommandDefault{\textonesuperior}{%
4255   \ensuremath{{}^1}%
4256 }
4257 \ProvideTextCommandDefault{\textpm}{%
4258   \ensuremath\pm
4259 }
4260 \ProvideTextCommandDefault{\textthreequarters}{%
4261   \ensuremath{\frac{3}{4}}%
4262 }
4263 \ProvideTextCommandDefault{\textthreesuperior}{%
4264   \ensuremath{{}^3}%
4265 }
4266 \ProvideTextCommandDefault{\texttimes}{%
4267   \ensuremath\times
4268 }
4269 \ProvideTextCommandDefault{\texttwosuperior}{%
4270   \ensuremath{{}^2}}%
4271 }
4272 \DeclareInputText{128}{\texteuro}
4273 \DeclareInputText{130}{\quotesinglbase}
4274 \DeclareInputText{132}{\quotedblbase}
4275 \DeclareInputText{133}{\textellipsis}
4276 \DeclareInputText{134}{\textdagger}
4277 \DeclareInputText{135}{\textdaggerdbl}
4278 \DeclareInputText{137}{\textperthousand}
4279 \DeclareInputText{139}{\guilsinglleft}
4280 \DeclareInputText{141}{\textasciidieresis}
4281 \DeclareInputText{142}{\textasciicaron}
4282 \DeclareInputText{143}{\c\ }
4283 \DeclareInputText{145}{\textquoteleft}
4284 \DeclareInputText{146}{\textquoteright}
4285 \DeclareInputText{147}{\textquotedblleft}
4286 \DeclareInputText{148}{\textquotedblright}
4287 \DeclareInputText{149}{\textbullet}
4288 \DeclareInputText{150}{\textendash}
4289 \DeclareInputText{151}{\textemdash}
4290 \DeclareInputText{153}{\texttrademark}
4291 \DeclareInputText{155}{\guilsinglright}
4292 \DeclareInputText{157}{\textasciimacron}
4293 \DeclareInputText{158}{\k{}}
4294 \DeclareInputText{160}{\nobreakspace}
4295 \DeclareInputText{162}{\textcent}
4296 \DeclareInputText{163}{\textsterling}
4297 \DeclareInputText{164}{\textcurrency}
4298 \DeclareInputText{166}{\textbrokenbar}
4299 \DeclareInputText{167}{\textsection}
4300 \DeclareInputText{168}{\O}
4301 \DeclareInputText{169}{\textcopyright}
4302 \DeclareInputText{170}{\c R}
4303 \DeclareInputText{171}{\guillemotleft}
4304 \DeclareInputText{172}{\textlnot}
4305 \DeclareInputText{173}{\l-}
4306 \DeclareInputText{174}{\textregistered}

```

4307 \DeclareInputText{175}{\AE}  
4308 \DeclareInputText{176}{\textdegree}  
4309 \DeclareInputText{177}{\textpm}  
4310 \DeclareInputText{178}{\texttwosuperior}  
4311 \DeclareInputText{179}{\textthreesuperior}  
4312 \DeclareInputText{180}{\textasciiacute}  
4313 \DeclareInputText{181}{\textmu}  
4314 \DeclareInputText{182}{\textparagraph}  
4315 \DeclareInputText{183}{\textperiodcentered}  
4316 \DeclareInputText{184}{\o}  
4317 \DeclareInputText{185}{\textonesuperior}  
4318 \DeclareInputText{186}{\c r}  
4319 \DeclareInputText{187}{\guillemotright}  
4320 \DeclareInputText{188}{\textonequarter}  
4321 \DeclareInputText{189}{\textonehalf}  
4322 \DeclareInputText{190}{\textthreequarters}  
4323 \DeclareInputText{191}{\ae}  
4324 \DeclareInputText{192}{\k A}  
4325 \DeclareInputText{193}{\k I}  
4326 \DeclareInputText{194}{\@tabacckludge=A}  
4327 \DeclareInputText{195}{\@tabacckludge'C}  
4328 \DeclareInputText{196}{\ "A}  
4329 \DeclareInputText{197}{\r A}  
4330 \DeclareInputText{198}{\k E}  
4331 \DeclareInputText{199}{\@tabacckludge=E}  
4332 \DeclareInputText{200}{\v C}  
4333 \DeclareInputText{201}{\@tabacckludge'E}  
4334 \DeclareInputText{202}{\@tabacckludge'Z}  
4335 \DeclareInputText{203}{\ .E}  
4336 \DeclareInputText{204}{\c G}  
4337 \DeclareInputText{205}{\c K}  
4338 \DeclareInputText{206}{\@tabacckludge=I}  
4339 \DeclareInputText{207}{\c L}  
4340 \DeclareInputText{208}{\v S}  
4341 \DeclareInputText{209}{\@tabacckludge'N}  
4342 \DeclareInputText{210}{\c N}  
4343 \DeclareInputText{211}{\@tabacckludge'O}  
4344 \DeclareInputText{212}{\@tabacckludge=O}  
4345 \DeclareInputText{213}{\~O}  
4346 \DeclareInputText{214}{\ "O}  
4347 \DeclareInputText{215}{\texttimes}  
4348 \DeclareInputText{216}{\k U}  
4349 \DeclareInputText{217}{\L}  
4350 \DeclareInputText{218}{\@tabacckludge'S}  
4351 \DeclareInputText{219}{\@tabacckludge=U}  
4352 \DeclareInputText{220}{\ "U}  
4353 \DeclareInputText{221}{\ .Z}  
4354 \DeclareInputText{222}{\v Z}  
4355 \DeclareInputText{223}{\ss}  
4356 \DeclareInputText{224}{\k a}  
4357 \DeclareInputText{225}{\k i}  
4358 \DeclareInputText{226}{\@tabacckludge=a}  
4359 \DeclareInputText{227}{\@tabacckludge'c}  
4360 \DeclareInputText{228}{\ "a}  
4361 \DeclareInputText{229}{\r a}  
4362 \DeclareInputText{230}{\k e}  
4363 \DeclareInputText{231}{\@tabacckludge=e}  
4364 \DeclareInputText{232}{\v c}  
4365 \DeclareInputText{233}{\@tabacckludge'e}  
4366 \DeclareInputText{234}{\@tabacckludge'z}  
4367 \DeclareInputText{235}{\ .e}  
4368 \DeclareInputText{236}{\c g}

```

4369 \DeclareInputText{237}{\c k}
4370 \DeclareInputText{238}{\@tabacckludge=i}
4371 \DeclareInputText{239}{\c l}
4372 \DeclareInputText{240}{\v s}
4373 \DeclareInputText{241}{\@tabacckludge'n}
4374 \DeclareInputText{242}{\c n}
4375 \DeclareInputText{243}{\@tabacckludge'o}
4376 \DeclareInputText{244}{\@tabacckludge=o}
4377 \DeclareInputText{245}{\~o}
4378 \DeclareInputText{246}{\o}
4379 \DeclareInputText{247}{\textdiv}
4380 \DeclareInputText{248}{\k u}
4381 \DeclareInputText{249}{\l}
4382 \DeclareInputText{250}{\@tabacckludge's}
4383 \DeclareInputText{251}{\@tabacckludge=u}
4384 \DeclareInputText{252}{\u}
4385 \DeclareInputText{253}{\z}
4386 \DeclareInputText{254}{\v z}
4387 \DeclareInputText{255}{\.\{}}
4388 \RestoreAtCatcode
4389 </cp1257>

```

## 2.5.28 Encoding dec-mcs

```

4390 <*dec-mcs>
4391 \ProvidesFile{x-dec-mcs.def}%
4392 [2016/05/16 v1.11 Input encoding dec-mcs (inputenx)]%
4393 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
4394 \makeatletter
4395 \ProvideTextCommandDefault{\textcent}{%
4396 \TextSymbolUnavailable\textcent
4397 }
4398 \ProvideTextCommandDefault{\textcurrency}{%
4399 \TextSymbolUnavailable\textcurrency
4400 }
4401 \ProvideTextCommandDefault{\textdegree}{%
4402 \ensuremath{\text{\^circ}}%
4403 }
4404 \ProvideTextCommandDefault{\textmu}{%
4405 \ensuremath\mu
4406 }
4407 \ProvideTextCommandDefault{\textonehalf}{%
4408 \ensuremath{\frac{1}{2}}%
4409 }
4410 \ProvideTextCommandDefault{\textonequarter}{%
4411 \ensuremath{\frac{1}{4}}%
4412 }
4413 \ProvideTextCommandDefault{\textonesuperior}{%
4414 \ensuremath{\text{\^1}}%
4415 }
4416 \ProvideTextCommandDefault{\textpm}{%
4417 \ensuremath\pm
4418 }
4419 \ProvideTextCommandDefault{\textthreesuperior}{%
4420 \ensuremath{\text{\^3}}%
4421 }
4422 \ProvideTextCommandDefault{\texttwosuperior}{%
4423 \ensuremath{\text{\^2}}%
4424 }
4425 \ProvideTextCommandDefault{\textyen}{%
4426 \TextSymbolUnavailable\textyen
4427 }
4428 \DeclareInputText{161}{\textexclamdown}
4429 \DeclareInputText{162}{\textcent}

```

4430 \DeclareInputText{163}{\textsterling}  
4431 \DeclareInputText{165}{\textyen}  
4432 \DeclareInputText{167}{\textsection}  
4433 \DeclareInputText{168}{\textcurrency}  
4434 \DeclareInputText{169}{\textcopyright}  
4435 \DeclareInputText{170}{\textordfeminine}  
4436 \DeclareInputText{171}{\guillemotleft}  
4437 \DeclareInputText{176}{\textdegree}  
4438 \DeclareInputText{177}{\textpm}  
4439 \DeclareInputText{178}{\texttwosuperior}  
4440 \DeclareInputText{179}{\textthreesuperior}  
4441 \DeclareInputText{181}{\textmu}  
4442 \DeclareInputText{182}{\textparagraph}  
4443 \DeclareInputText{183}{\textperiodcentered}  
4444 \DeclareInputText{185}{\textonesuperior}  
4445 \DeclareInputText{186}{\textordmasculine}  
4446 \DeclareInputText{187}{\guillemotright}  
4447 \DeclareInputText{188}{\textonequarter}  
4448 \DeclareInputText{189}{\textonehalf}  
4449 \DeclareInputText{191}{\textquestiondown}  
4450 \DeclareInputText{192}{\@tabacckludge`A}  
4451 \DeclareInputText{193}{\@tabacckludge'A}  
4452 \DeclareInputText{194}{\^A}  
4453 \DeclareInputText{195}{\~A}  
4454 \DeclareInputText{196}{\ "A}  
4455 \DeclareInputText{197}{\r A}  
4456 \DeclareInputText{198}{\AE}  
4457 \DeclareInputText{199}{\c C}  
4458 \DeclareInputText{200}{\@tabacckludge`E}  
4459 \DeclareInputText{201}{\@tabacckludge'E}  
4460 \DeclareInputText{202}{\^E}  
4461 \DeclareInputText{203}{\ "E}  
4462 \DeclareInputText{204}{\@tabacckludge`I}  
4463 \DeclareInputText{205}{\@tabacckludge'I}  
4464 \DeclareInputText{206}{\^I}  
4465 \DeclareInputText{207}{\ "I}  
4466 \DeclareInputText{209}{\~N}  
4467 \DeclareInputText{210}{\@tabacckludge`O}  
4468 \DeclareInputText{211}{\@tabacckludge'O}  
4469 \DeclareInputText{212}{\^O}  
4470 \DeclareInputText{213}{\~O}  
4471 \DeclareInputText{214}{\ "O}  
4472 \DeclareInputText{215}{\OE}  
4473 \DeclareInputText{216}{\O}  
4474 \DeclareInputText{217}{\@tabacckludge`U}  
4475 \DeclareInputText{218}{\@tabacckludge'U}  
4476 \DeclareInputText{219}{\^U}  
4477 \DeclareInputText{220}{\ "U}  
4478 \DeclareInputText{221}{\ "Y}  
4479 \DeclareInputText{223}{\ss}  
4480 \DeclareInputText{224}{\@tabacckludge`a}  
4481 \DeclareInputText{225}{\@tabacckludge'a}  
4482 \DeclareInputText{226}{\^a}  
4483 \DeclareInputText{227}{\~a}  
4484 \DeclareInputText{228}{\ "a}  
4485 \DeclareInputText{229}{\r a}  
4486 \DeclareInputText{230}{\ae}  
4487 \DeclareInputText{231}{\c c}  
4488 \DeclareInputText{232}{\@tabacckludge`e}  
4489 \DeclareInputText{233}{\@tabacckludge'e}  
4490 \DeclareInputText{234}{\^e}  
4491 \DeclareInputText{235}{\ "e}

```

4492 \DeclareInputText{236}{\@tabacckludge`i}
4493 \DeclareInputText{237}{\@tabacckludge'i}
4494 \DeclareInputText{238}{\^i}
4495 \DeclareInputText{239}{"i}
4496 \DeclareInputText{241}{\~n}
4497 \DeclareInputText{242}{\@tabacckludge`o}
4498 \DeclareInputText{243}{\@tabacckludge'o}
4499 \DeclareInputText{244}{\^o}
4500 \DeclareInputText{245}{\~o}
4501 \DeclareInputText{246}{\o}
4502 \DeclareInputText{247}{\oe}
4503 \DeclareInputText{248}{\o}
4504 \DeclareInputText{249}{\@tabacckludge`u}
4505 \DeclareInputText{250}{\@tabacckludge'u}
4506 \DeclareInputText{251}{\^u}
4507 \DeclareInputText{252}{"u}
4508 \DeclareInputText{253}{"y}
4509 \RestoreAtCatcode
4510 </dec-mcs>

```

### 2.5.29 Encoding koi8-r

```

4511 <*koi8-r>
4512 \ProvidesFile{x-koi8-r.def}%
4513 [2016/05/16 v1.11 Input encoding koi8-r (inputenx)]%
4514 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
4515 \makeatletter
4516 \ProvideTextCommandDefault{\textapproxequal}{%
4517 \ensuremath\approx
4518 }
4519 \ProvideTextCommandDefault{\textblacksquare}{%
4520 \vrule \@width .3em \@height .4em \@depth -.1em\relax
4521 }
4522 \ProvideTextCommandDefault{\textdegree}{%
4523 \ensuremath{\^{\circ}}%
4524 }
4525 \ProvideTextCommandDefault{\textdiv}{%
4526 \TextSymbolUnavailable\textdiv
4527 }
4528 \ProvideTextCommandDefault{\textgreaterequal}{%
4529 \ensuremath\geq
4530 }
4531 \ProvideTextCommandDefault{\textlessequal}{%
4532 \ensuremath\leq
4533 }
4534 \ProvideTextCommandDefault{\textsurd}{%
4535 \ensuremath\surd
4536 }
4537 \ProvideTextCommandDefault{\texttwosuperior}{%
4538 \ensuremath{\^2}%
4539 }
4540 \DeclareInputText{128}{\textSFx}
4541 \DeclareInputText{129}{\textSFxi}
4542 \DeclareInputText{130}{\textSFi}
4543 \DeclareInputText{131}{\textSFiii}
4544 \DeclareInputText{132}{\textSFii}
4545 \DeclareInputText{133}{\textSFiv}
4546 \DeclareInputText{134}{\textSFviii}
4547 \DeclareInputText{135}{\textSFix}
4548 \DeclareInputText{136}{\textSFvi}
4549 \DeclareInputText{137}{\textSFvii}
4550 \DeclareInputText{138}{\textSFv}
4551 \DeclareInputText{139}{\textupblock}
4552 \DeclareInputText{140}{\textdnblock}

```

4553 `\DeclareInputText{141}{\textblock}`  
4554 `\DeclareInputText{142}{\textlfblock}`  
4555 `\DeclareInputText{143}{\textrtblock}`  
4556 `\DeclareInputText{144}{\textltshade}`  
4557 `\DeclareInputText{145}{\textshade}`  
4558 `\DeclareInputText{146}{\textdkshade}`  
4559 `\DeclareInputText{148}{\textblacksquare}`  
4560 `\DeclareInputText{149}{\textbullet}`  
4561 `\DeclareInputText{150}{\textsurd}`  
4562 `\DeclareInputText{151}{\textapproxequal}`  
4563 `\DeclareInputText{152}{\textlessequal}`  
4564 `\DeclareInputText{153}{\textgreaterequal}`  
4565 `\DeclareInputText{154}{\nobreakspace}`  
4566 `\DeclareInputText{156}{\textdegree}`  
4567 `\DeclareInputText{157}{\texttwosuperior}`  
4568 `\DeclareInputText{158}{\textperiodcentered}`  
4569 `\DeclareInputText{159}{\textdiv}`  
4570 `\DeclareInputText{160}{\textSFxlIII}`  
4571 `\DeclareInputText{161}{\textSFxxiv}`  
4572 `\DeclareInputText{162}{\textSFli}`  
4573 `\DeclareInputText{163}{\CYRYO}`  
4574 `\DeclareInputText{164}{\textSFlii}`  
4575 `\DeclareInputText{165}{\textSFxxxix}`  
4576 `\DeclareInputText{166}{\textSFxxii}`  
4577 `\DeclareInputText{167}{\textSFxxi}`  
4578 `\DeclareInputText{168}{\textSFxxv}`  
4579 `\DeclareInputText{169}{\textSF1}`  
4580 `\DeclareInputText{170}{\textSFlix}`  
4581 `\DeclareInputText{171}{\textSFxxxviii}`  
4582 `\DeclareInputText{172}{\textSFxxxviii}`  
4583 `\DeclareInputText{173}{\textSFxxvii}`  
4584 `\DeclareInputText{174}{\textSFxxvi}`  
4585 `\DeclareInputText{175}{\textSFxxxvi}`  
4586 `\DeclareInputText{176}{\textSFxxxvii}`  
4587 `\DeclareInputText{177}{\textSFxlii}`  
4588 `\DeclareInputText{178}{\textSFxix}`  
4589 `\DeclareInputText{179}{\CYRYO}`  
4590 `\DeclareInputText{180}{\textSFxx}`  
4591 `\DeclareInputText{181}{\textSFxxiii}`  
4592 `\DeclareInputText{182}{\textSFxlvii}`  
4593 `\DeclareInputText{183}{\textSFxlviii}`  
4594 `\DeclareInputText{184}{\textSFxli}`  
4595 `\DeclareInputText{185}{\textSFxlv}`  
4596 `\DeclareInputText{186}{\textSFxlvi}`  
4597 `\DeclareInputText{187}{\textSFxl}`  
4598 `\DeclareInputText{188}{\textSFliv}`  
4599 `\DeclareInputText{189}{\textSFliii}`  
4600 `\DeclareInputText{190}{\textSFxliv}`  
4601 `\DeclareInputText{191}{\textcopyright}`  
4602 `\DeclareInputText{192}{\CYRYU}`  
4603 `\DeclareInputText{193}{\CYRA}`  
4604 `\DeclareInputText{194}{\CYRB}`  
4605 `\DeclareInputText{195}{\CYRC}`  
4606 `\DeclareInputText{196}{\CYRD}`  
4607 `\DeclareInputText{197}{\CYRE}`  
4608 `\DeclareInputText{198}{\CYRF}`  
4609 `\DeclareInputText{199}{\CYRG}`  
4610 `\DeclareInputText{200}{\CYRH}`  
4611 `\DeclareInputText{201}{\CYRI}`  
4612 `\DeclareInputText{202}{\CYRISHRT}`  
4613 `\DeclareInputText{203}{\CYRK}`  
4614 `\DeclareInputText{204}{\CYRL}`

```

4615 \DeclareInputText{205}{\cyrm}
4616 \DeclareInputText{206}{\cyrn}
4617 \DeclareInputText{207}{\cyro}
4618 \DeclareInputText{208}{\cyrp}
4619 \DeclareInputText{209}{\cyrya}
4620 \DeclareInputText{210}{\cyrr}
4621 \DeclareInputText{211}{\cyrsh}
4622 \DeclareInputText{212}{\cyrst}
4623 \DeclareInputText{213}{\cyrsh}
4624 \DeclareInputText{214}{\cyrzh}
4625 \DeclareInputText{215}{\cyrsv}
4626 \DeclareInputText{216}{\cyrshsn}
4627 \DeclareInputText{217}{\cyrsh}
4628 \DeclareInputText{218}{\cyrsh}
4629 \DeclareInputText{219}{\cyrsh}
4630 \DeclareInputText{220}{\cyrsh}
4631 \DeclareInputText{221}{\cyrshch}
4632 \DeclareInputText{222}{\cyrsh}
4633 \DeclareInputText{223}{\cyrsh}
4634 \DeclareInputText{224}{\CYRYU}
4635 \DeclareInputText{225}{\CYRA}
4636 \DeclareInputText{226}{\CYRB}
4637 \DeclareInputText{227}{\CYRC}
4638 \DeclareInputText{228}{\CYRD}
4639 \DeclareInputText{229}{\CYRE}
4640 \DeclareInputText{230}{\CYRF}
4641 \DeclareInputText{231}{\CYRG}
4642 \DeclareInputText{232}{\CYRH}
4643 \DeclareInputText{233}{\CYRI}
4644 \DeclareInputText{234}{\CYRISHRT}
4645 \DeclareInputText{235}{\CYRK}
4646 \DeclareInputText{236}{\CYRL}
4647 \DeclareInputText{237}{\CYRM}
4648 \DeclareInputText{238}{\CYRN}
4649 \DeclareInputText{239}{\CYRO}
4650 \DeclareInputText{240}{\CYRP}
4651 \DeclareInputText{241}{\CYRYA}
4652 \DeclareInputText{242}{\CYRR}
4653 \DeclareInputText{243}{\CYRS}
4654 \DeclareInputText{244}{\CYRT}
4655 \DeclareInputText{245}{\CYRU}
4656 \DeclareInputText{246}{\CYRZH}
4657 \DeclareInputText{247}{\CYRV}
4658 \DeclareInputText{248}{\CYRSFTSN}
4659 \DeclareInputText{249}{\CYRERY}
4660 \DeclareInputText{250}{\CYRZ}
4661 \DeclareInputText{251}{\CYRSH}
4662 \DeclareInputText{252}{\CYREREV}
4663 \DeclareInputText{253}{\CYRSHCH}
4664 \DeclareInputText{254}{\CYRCH}
4665 \DeclareInputText{255}{\CYRHRDSN}
4666 \RestoreAtCatcode
4667 </koi8-r>

```

### 2.5.30 Encoding mac-centeuro

```

4668 <*mac-centeuro>
4669 \ProvidesFile{x-mac-centeuro.def}%
4670 [2016/05/16 v1.11 Input encoding mac-centeuro (inputenx)]%
4671 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
4672 \makeatletter
4673 \ProvideTextCommandDefault{\textasciicaron}{%
4674   \v{}}%
4675 }

```

```

4676 \ProvideTextCommandDefault{\textasciidiereis}{%
4677  \{"}%
4678 }
4679 \ProvideTextCommandDefault{\textdegree}{%
4680  \ensuremath{\textasciicirc}}%
4681 }
4682 \ProvideTextCommandDefault{\textdiv}{%
4683  \TextSymbolUnavailable\textdiv
4684 }
4685 \ProvideTextCommandDefault{\textgreaterequal}{%
4686  \ensuremath\geq
4687 }
4688 \ProvideTextCommandDefault{\textincrement}{%
4689  \ensuremath\Delta
4690 }
4691 \ProvideTextCommandDefault{\textlessequal}{%
4692  \ensuremath\leq
4693 }
4694 \ProvideTextCommandDefault{\textlnot}{%
4695  \ensuremath\not
4696 }
4697 \ProvideTextCommandDefault{\textlozenge}{%
4698  \ensuremath\diamond
4699 }
4700 \ProvideTextCommandDefault{\textnotequal}{%
4701  \ensuremath\neq
4702 }
4703 \ProvideTextCommandDefault{\textpartial}{%
4704  \ensuremath\partial
4705 }
4706 \ProvideTextCommandDefault{\textsummation}{%
4707  \ensuremath\Sigma
4708 }
4709 \ProvideTextCommandDefault{\textsurd}{%
4710  \ensuremath\surd
4711 }
4712 \DeclareInputText{128}{\ "A}
4713 \DeclareInputText{129}{\@tabacckludge=A}
4714 \DeclareInputText{130}{\@tabacckludge=a}
4715 \DeclareInputText{131}{\@tabacckludge'E}
4716 \DeclareInputText{132}{\k A}
4717 \DeclareInputText{133}{\ "O}
4718 \DeclareInputText{134}{\ "U}
4719 \DeclareInputText{135}{\@tabacckludge'a}
4720 \DeclareInputText{136}{\k a}
4721 \DeclareInputText{137}{\v C}
4722 \DeclareInputText{138}{\ "a}
4723 \DeclareInputText{139}{\v c}
4724 \DeclareInputText{140}{\@tabacckludge'C}
4725 \DeclareInputText{141}{\@tabacckludge'c}
4726 \DeclareInputText{142}{\@tabacckludge'e}
4727 \DeclareInputText{143}{\@tabacckludge'Z}
4728 \DeclareInputText{144}{\@tabacckludge'z}
4729 \DeclareInputText{145}{\v D}
4730 \DeclareInputText{146}{\@tabacckludge'i}
4731 \DeclareInputText{147}{\v d}
4732 \DeclareInputText{148}{\@tabacckludge=E}
4733 \DeclareInputText{149}{\@tabacckludge=e}
4734 \DeclareInputText{150}{\ .E}
4735 \DeclareInputText{151}{\@tabacckludge'o}
4736 \DeclareInputText{152}{\ .e}
4737 \DeclareInputText{153}{\ ^o}

```

4738 \DeclareInputText{154}{\o}  
4739 \DeclareInputText{155}{\~o}  
4740 \DeclareInputText{156}{\@tabacckludge'u}  
4741 \DeclareInputText{157}{\v E}  
4742 \DeclareInputText{158}{\v e}  
4743 \DeclareInputText{159}{\u}  
4744 \DeclareInputText{160}{\textdagger}  
4745 \DeclareInputText{161}{\textdegree}  
4746 \DeclareInputText{162}{\k E}  
4747 \DeclareInputText{163}{\textsterling}  
4748 \DeclareInputText{164}{\textsection}  
4749 \DeclareInputText{165}{\textbullet}  
4750 \DeclareInputText{166}{\textparagraph}  
4751 \DeclareInputText{167}{\ss}  
4752 \DeclareInputText{168}{\textregistered}  
4753 \DeclareInputText{169}{\textcopyright}  
4754 \DeclareInputText{170}{\texttrademark}  
4755 \DeclareInputText{171}{\k e}  
4756 \DeclareInputText{172}{\textasciidieresis}  
4757 \DeclareInputText{173}{\textnotequal}  
4758 \DeclareInputText{174}{\c g}  
4759 \DeclareInputText{175}{\k I}  
4760 \DeclareInputText{176}{\k i}  
4761 \DeclareInputText{177}{\@tabacckludge=I}  
4762 \DeclareInputText{178}{\textlessequal}  
4763 \DeclareInputText{179}{\textgreaterequal}  
4764 \DeclareInputText{180}{\@tabacckludge=i}  
4765 \DeclareInputText{181}{\c K}  
4766 \DeclareInputText{182}{\textpartial}  
4767 \DeclareInputText{183}{\textsummation}  
4768 \DeclareInputText{184}{\l}  
4769 \DeclareInputText{185}{\c L}  
4770 \DeclareInputText{186}{\c l}  
4771 \DeclareInputText{187}{\v L}  
4772 \DeclareInputText{188}{\v l}  
4773 \DeclareInputText{189}{\@tabacckludge'L}  
4774 \DeclareInputText{190}{\@tabacckludge'l}  
4775 \DeclareInputText{191}{\c N}  
4776 \DeclareInputText{192}{\c n}  
4777 \DeclareInputText{193}{\@tabacckludge'N}  
4778 \DeclareInputText{194}{\textlnot}  
4779 \DeclareInputText{195}{\textsurd}  
4780 \DeclareInputText{196}{\@tabacckludge'n}  
4781 \DeclareInputText{197}{\v N}  
4782 \DeclareInputText{198}{\textincrement}  
4783 \DeclareInputText{199}{\guillemotleft}  
4784 \DeclareInputText{200}{\guillemotright}  
4785 \DeclareInputText{201}{\textellipsis}  
4786 \DeclareInputText{202}{\nobreakspace}  
4787 \DeclareInputText{203}{\v n}  
4788 \DeclareInputText{204}{\H O}  
4789 \DeclareInputText{205}{\~O}  
4790 \DeclareInputText{206}{\H o}  
4791 \DeclareInputText{207}{\@tabacckludge=O}  
4792 \DeclareInputText{208}{\textendash}  
4793 \DeclareInputText{209}{\textemdash}  
4794 \DeclareInputText{210}{\textquotedblleft}  
4795 \DeclareInputText{211}{\textquotedblright}  
4796 \DeclareInputText{212}{\textquoteleft}  
4797 \DeclareInputText{213}{\textquoteright}  
4798 \DeclareInputText{214}{\textdiv}  
4799 \DeclareInputText{215}{\textlozenge}

```

4800 \DeclareInputText{216}{\@tabacckludge=o}
4801 \DeclareInputText{217}{\@tabacckludge'R}
4802 \DeclareInputText{218}{\@tabacckludge'r}
4803 \DeclareInputText{219}{\v R}
4804 \DeclareInputText{220}{\guilsinglleft}
4805 \DeclareInputText{221}{\guilsinglright}
4806 \DeclareInputText{222}{\v r}
4807 \DeclareInputText{223}{\c R}
4808 \DeclareInputText{224}{\c r}
4809 \DeclareInputText{225}{\v S}
4810 \DeclareInputText{226}{\quotesinglbase}
4811 \DeclareInputText{227}{\quotedblbase}
4812 \DeclareInputText{228}{\v s}
4813 \DeclareInputText{229}{\@tabacckludge'S}
4814 \DeclareInputText{230}{\@tabacckludge's}
4815 \DeclareInputText{231}{\@tabacckludge'A}
4816 \DeclareInputText{232}{\v T}
4817 \DeclareInputText{233}{\v t}
4818 \DeclareInputText{234}{\@tabacckludge'I}
4819 \DeclareInputText{235}{\v Z}
4820 \DeclareInputText{236}{\v z}
4821 \DeclareInputText{237}{\@tabacckludge=U}
4822 \DeclareInputText{238}{\@tabacckludge'O}
4823 \DeclareInputText{239}{\^O}
4824 \DeclareInputText{240}{\@tabacckludge=u}
4825 \DeclareInputText{241}{\r U}
4826 \DeclareInputText{242}{\@tabacckludge'U}
4827 \DeclareInputText{243}{\r u}
4828 \DeclareInputText{244}{\H U}
4829 \DeclareInputText{245}{\H u}
4830 \DeclareInputText{246}{\k U}
4831 \DeclareInputText{247}{\k u}
4832 \DeclareInputText{248}{\@tabacckludge'Y}
4833 \DeclareInputText{249}{\@tabacckludge'y}
4834 \DeclareInputText{250}{\c k}
4835 \DeclareInputText{251}{\Z}
4836 \DeclareInputText{252}{\L}
4837 \DeclareInputText{253}{\z}
4838 \DeclareInputText{254}{\c G}
4839 \DeclareInputText{255}{\textasciicaron}
4840 \RestoreAtCatcode
4841 </mac-centeuro>

```

### 2.5.31 Encoding mac-cyrillic

```

4842 <*mac-cyrillic>
4843 \ProvidesFile{x-mac-cyrillic.def}%
4844 [2016/05/16 v1.11 Input encoding mac-cyrillic (inputenx)]%
4845 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
4846 \makeatletter
4847 \ProvideTextCommandDefault{\textapproxequal}{%
4848 \ensuremath{\approx}
4849 }
4850 \ProvideTextCommandDefault{\textdegree}{%
4851 \ensuremath{\^{\circ}}%
4852 }
4853 \ProvideTextCommandDefault{\textdiv}{%
4854 \TextSymbolUnavailable\textdiv
4855 }
4856 \ProvideTextCommandDefault{\texteuro}{%
4857 \TextSymbolUnavailable\texteuro
4858 }
4859 \ProvideTextCommandDefault{\textflorin}{%
4860 \textit{f}}%

```

```

4861 }
4862 \ProvideTextCommandDefault{\textgreaterequal}{%
4863 \ensuremath\geq
4864 }
4865 \ProvideTextCommandDefault{\textincrement}{%
4866 \ensuremath\Delta
4867 }
4868 \ProvideTextCommandDefault{\textinfinity}{%
4869 \ensuremath\infty
4870 }
4871 \ProvideTextCommandDefault{\textlessequal}{%
4872 \ensuremath\leq
4873 }
4874 \ProvideTextCommandDefault{\textlnot}{%
4875 \ensuremath\not
4876 }
4877 \ProvideTextCommandDefault{\textmu}{%
4878 \ensuremath\mu
4879 }
4880 \ProvideTextCommandDefault{\textnotequal}{%
4881 \ensuremath\neq
4882 }
4883 \ProvideTextCommandDefault{\textnumero}{%
4884 N%
4885 \bgroup
4886 \check@mathfonts
4887 \fontsize\sf@size\z@
4888 \math@fontsfalse
4889 \selectfont
4890 \oalign{%
4891 \raise0.5ex\hbox{o}%
4892 \crr
4893 \hline
4894 }%
4895 \egroup
4896 }
4897 \ProvideTextCommandDefault{\textpm}{%
4898 \ensuremath\pm
4899 }
4900 \ProvideTextCommandDefault{\textsurd}{%
4901 \ensuremath\surd
4902 }
4903 \DeclareInputText{128}{\CYRA}
4904 \DeclareInputText{129}{\CYRB}
4905 \DeclareInputText{130}{\CYRV}
4906 \DeclareInputText{131}{\CYRG}
4907 \DeclareInputText{132}{\CYRD}
4908 \DeclareInputText{133}{\CYRE}
4909 \DeclareInputText{134}{\CYRZH}
4910 \DeclareInputText{135}{\CYRZ}
4911 \DeclareInputText{136}{\CYRI}
4912 \DeclareInputText{137}{\CYRISHRT}
4913 \DeclareInputText{138}{\CYRK}
4914 \DeclareInputText{139}{\CYRL}
4915 \DeclareInputText{140}{\CYRM}
4916 \DeclareInputText{141}{\CYRN}
4917 \DeclareInputText{142}{\CYRO}
4918 \DeclareInputText{143}{\CYRP}
4919 \DeclareInputText{144}{\CYRR}
4920 \DeclareInputText{145}{\CYRS}
4921 \DeclareInputText{146}{\CYRT}
4922 \DeclareInputText{147}{\CYRU}

```

4923 \DeclareInputText{148}{\CYRF}  
4924 \DeclareInputText{149}{\CYRH}  
4925 \DeclareInputText{150}{\CYRC}  
4926 \DeclareInputText{151}{\CYRCH}  
4927 \DeclareInputText{152}{\CYRSH}  
4928 \DeclareInputText{153}{\CYRSHCH}  
4929 \DeclareInputText{154}{\CYRHRDSN}  
4930 \DeclareInputText{155}{\CYRERY}  
4931 \DeclareInputText{156}{\CYRSFTSN}  
4932 \DeclareInputText{157}{\CYREREV}  
4933 \DeclareInputText{158}{\CYRYU}  
4934 \DeclareInputText{159}{\CYRYA}  
4935 \DeclareInputText{160}{\textdagger}  
4936 \DeclareInputText{161}{\textdegree}  
4937 \DeclareInputText{162}{\CYRGUP}  
4938 \DeclareInputText{163}{\textsterling}  
4939 \DeclareInputText{164}{\textsection}  
4940 \DeclareInputText{165}{\textbullet}  
4941 \DeclareInputText{166}{\textparagraph}  
4942 \DeclareInputText{167}{\CYRII}  
4943 \DeclareInputText{168}{\textregistered}  
4944 \DeclareInputText{169}{\textcopyright}  
4945 \DeclareInputText{170}{\texttrademark}  
4946 \DeclareInputText{171}{\CYRDJE}  
4947 \DeclareInputText{172}{\cyrdje}  
4948 \DeclareInputText{173}{\textnotequal}  
4949 \DeclareInputText{174}{\@tabacckludge'\CYRG}  
4950 \DeclareInputText{175}{\@tabacckludge'\cyrg}  
4951 \DeclareInputText{176}{\textinfinity}  
4952 \DeclareInputText{177}{\textpm}  
4953 \DeclareInputText{178}{\textlessequal}  
4954 \DeclareInputText{179}{\textgreaterequal}  
4955 \DeclareInputText{180}{\cyrii}  
4956 \DeclareInputText{181}{\textmu}  
4957 \DeclareInputText{182}{\cyrgup}  
4958 \DeclareInputText{183}{\CYRJE}  
4959 \DeclareInputText{184}{\CYRIE}  
4960 \DeclareInputText{185}{\cyrie}  
4961 \DeclareInputText{186}{\CYRYI}  
4962 \DeclareInputText{187}{\cyryi}  
4963 \DeclareInputText{188}{\CYRLJE}  
4964 \DeclareInputText{189}{\cylje}  
4965 \DeclareInputText{190}{\CYRNJE}  
4966 \DeclareInputText{191}{\cyrnje}  
4967 \DeclareInputText{192}{\cyrje}  
4968 \DeclareInputText{193}{\CYRDZE}  
4969 \DeclareInputText{194}{\textlnot}  
4970 \DeclareInputText{195}{\textsurd}  
4971 \DeclareInputText{196}{\textflorin}  
4972 \DeclareInputText{197}{\textapproxequal}  
4973 \DeclareInputText{198}{\textincrement}  
4974 \DeclareInputText{199}{\guillemotleft}  
4975 \DeclareInputText{200}{\guillemotright}  
4976 \DeclareInputText{201}{\textellipsis}  
4977 \DeclareInputText{202}{\nobreakspace}  
4978 \DeclareInputText{203}{\CYRTSHE}  
4979 \DeclareInputText{204}{\cyrtshe}  
4980 \DeclareInputText{205}{\@tabacckludge'\CYRK}  
4981 \DeclareInputText{206}{\@tabacckludge'\cyrk}  
4982 \DeclareInputText{207}{\cyrdze}  
4983 \DeclareInputText{208}{\textendash}  
4984 \DeclareInputText{209}{\textemdash}

```

4985 \DeclareInputText{210}{\textquotedblleft}
4986 \DeclareInputText{211}{\textquotedblright}
4987 \DeclareInputText{212}{\textquoteleft}
4988 \DeclareInputText{213}{\textquoteright}
4989 \DeclareInputText{214}{\textdiv}
4990 \DeclareInputText{215}{\quotedblbase}
4991 \DeclareInputText{216}{\CYRUSHRT}
4992 \DeclareInputText{217}{\cyrushrt}
4993 \DeclareInputText{218}{\CYRDZHE}
4994 \DeclareInputText{219}{\cyrdzhe}
4995 \DeclareInputText{220}{\textnumero}
4996 \DeclareInputText{221}{\CYRYO}
4997 \DeclareInputText{222}{\cyryo}
4998 \DeclareInputText{223}{\cyrya}
4999 \DeclareInputText{224}{\cyra}
5000 \DeclareInputText{225}{\cyrb}
5001 \DeclareInputText{226}{\cyrv}
5002 \DeclareInputText{227}{\cyrg}
5003 \DeclareInputText{228}{\cyrd}
5004 \DeclareInputText{229}{\cyre}
5005 \DeclareInputText{230}{\cyrzh}
5006 \DeclareInputText{231}{\cyrz}
5007 \DeclareInputText{232}{\cyri}
5008 \DeclareInputText{233}{\cyrishrt}
5009 \DeclareInputText{234}{\cyrk}
5010 \DeclareInputText{235}{\cyrj}
5011 \DeclareInputText{236}{\cyrm}
5012 \DeclareInputText{237}{\cyrn}
5013 \DeclareInputText{238}{\cyro}
5014 \DeclareInputText{239}{\cyrp}
5015 \DeclareInputText{240}{\cyrr}
5016 \DeclareInputText{241}{\cyrs}
5017 \DeclareInputText{242}{\cyrt}
5018 \DeclareInputText{243}{\cyru}
5019 \DeclareInputText{244}{\cyrf}
5020 \DeclareInputText{245}{\cyrh}
5021 \DeclareInputText{246}{\cyrc}
5022 \DeclareInputText{247}{\cyrch}
5023 \DeclareInputText{248}{\cyrsh}
5024 \DeclareInputText{249}{\cyrshch}
5025 \DeclareInputText{250}{\cyrhrdsn}
5026 \DeclareInputText{251}{\cyrery}
5027 \DeclareInputText{252}{\cyrsftsn}
5028 \DeclareInputText{253}{\cyrerev}
5029 \DeclareInputText{254}{\cyryu}
5030 \DeclareInputText{255}{\texteuro}
5031 \RestoreAtCatcode
5032  $\langle$ /mac-cyrillic

```

### 2.5.32 Encoding mac-roman

```

5033  $\langle$ *mac-roman)
5034 \ProvidesFile{x-mac-roman.def}%
5035 [2016/05/16 v1.11 Input encoding mac-roman (inputenx)]%
5036 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
5037 \makeatletter
5038 \ProvideTextCommandDefault{\textOmega}{%
5039 \ensuremath\Omega
5040 }
5041 \ProvideTextCommandDefault{\textacutedbl}{%
5042 \H{}}%
5043 }
5044 \ProvideTextCommandDefault{\textapproxequal}{%
5045 \ensuremath\approx

```

```

5046 }
5047 \ProvideTextCommandDefault{\textasciiacute}{%
5048 \@tabacckludge'}{%
5049 }
5050 \ProvideTextCommandDefault{\textasciibreve}{%
5051 \u}{%
5052 }
5053 \ProvideTextCommandDefault{\textasciicaron}{%
5054 \v}{%
5055 }
5056 \ProvideTextCommandDefault{\textasciidieresis}{%
5057 \"}{%
5058 }
5059 \ProvideTextCommandDefault{\textasciimacron}{%
5060 \@tabacckludge={}}{%
5061 }
5062 \ProvideTextCommandDefault{\textcent}{%
5063 \TextSymbolUnavailable\textcent
5064 }
5065 \ProvideTextCommandDefault{\textdegree}{%
5066 \ensuremath{^\circ}}{%
5067 }
5068 \ProvideTextCommandDefault{\textdiv}{%
5069 \TextSymbolUnavailable\textdiv
5070 }
5071 \ProvideTextCommandDefault{\texteuro}{%
5072 \TextSymbolUnavailable\texteuro
5073 }
5074 \ProvideTextCommandDefault{\textflorin}{%
5075 \textit{f}}{%
5076 }
5077 \ProvideTextCommandDefault{\textfractionsolidus}{%
5078 /}%
5079 }
5080 \ProvideTextCommandDefault{\textgreaterequal}{%
5081 \ensuremath\geq
5082 }
5083 \ProvideTextCommandDefault{\textincrement}{%
5084 \ensuremath\Delta
5085 }
5086 \ProvideTextCommandDefault{\textinfinity}{%
5087 \ensuremath\infty
5088 }
5089 \ProvideTextCommandDefault{\textintegral}{%
5090 \ensuremath\int
5091 }
5092 \ProvideTextCommandDefault{\textlessequal}{%
5093 \ensuremath\leq
5094 }
5095 \ProvideTextCommandDefault{\textlnot}{%
5096 \ensuremath\not
5097 }
5098 \ProvideTextCommandDefault{\textlozenge}{%
5099 \ensuremath\diamond
5100 }
5101 \ProvideTextCommandDefault{\textmu}{%
5102 \ensuremath\mu
5103 }
5104 \ProvideTextCommandDefault{\textnotequal}{%
5105 \ensuremath\neq
5106 }
5107 \ProvideTextCommandDefault{\textpartial}{%

```

```

5108 \ensuremath\partial
5109 }
5110 \ProvideTextCommandDefault{\textpi}{%
5111 \ensuremath\pi
5112 }
5113 \ProvideTextCommandDefault{\textpm}{%
5114 \ensuremath\pm
5115 }
5116 \ProvideTextCommandDefault{\textproduct}{%
5117 \ensuremath\Pi
5118 }
5119 \ProvideTextCommandDefault{\textsummation}{%
5120 \ensuremath\Sigma
5121 }
5122 \ProvideTextCommandDefault{\textsurd}{%
5123 \ensuremath\surd
5124 }
5125 \ProvideTextCommandDefault{\textyen}{%
5126 \TextSymbolUnavailable\textyen
5127 }
5128 \DeclareInputText{128}{\ "A}
5129 \DeclareInputText{129}{\ r A}
5130 \DeclareInputText{130}{\ c C}
5131 \DeclareInputText{131}{\@tabacckludge'E}
5132 \DeclareInputText{132}{\~N}
5133 \DeclareInputText{133}{\ "O}
5134 \DeclareInputText{134}{\ "U}
5135 \DeclareInputText{135}{\@tabacckludge'a}
5136 \DeclareInputText{136}{\@tabacckludge`a}
5137 \DeclareInputText{137}{\^a}
5138 \DeclareInputText{138}{\ "a}
5139 \DeclareInputText{139}{\~a}
5140 \DeclareInputText{140}{\ r a}
5141 \DeclareInputText{141}{\ c c}
5142 \DeclareInputText{142}{\@tabacckludge'e}
5143 \DeclareInputText{143}{\@tabacckludge`e}
5144 \DeclareInputText{144}{\^e}
5145 \DeclareInputText{145}{\ "e}
5146 \DeclareInputText{146}{\@tabacckludge'i}
5147 \DeclareInputText{147}{\@tabacckludge`i}
5148 \DeclareInputText{148}{\^i}
5149 \DeclareInputText{149}{\ "i}
5150 \DeclareInputText{150}{\~n}
5151 \DeclareInputText{151}{\@tabacckludge'o}
5152 \DeclareInputText{152}{\@tabacckludge`o}
5153 \DeclareInputText{153}{\^o}
5154 \DeclareInputText{154}{\ "o}
5155 \DeclareInputText{155}{\~o}
5156 \DeclareInputText{156}{\@tabacckludge'u}
5157 \DeclareInputText{157}{\@tabacckludge`u}
5158 \DeclareInputText{158}{\^u}
5159 \DeclareInputText{159}{\ "u}
5160 \DeclareInputText{160}{\textdagger}
5161 \DeclareInputText{161}{\textdegree}
5162 \DeclareInputText{162}{\textcent}
5163 \DeclareInputText{163}{\textsterling}
5164 \DeclareInputText{164}{\textsection}
5165 \DeclareInputText{165}{\textbullet}
5166 \DeclareInputText{166}{\textparagraph}
5167 \DeclareInputText{167}{\ss}
5168 \DeclareInputText{168}{\textregistered}
5169 \DeclareInputText{169}{\textcopyright}

```

5170 `\DeclareInputText{170}{\texttrademark}`  
5171 `\DeclareInputText{171}{\textasciiacute}`  
5172 `\DeclareInputText{172}{\textasciidieresis}`  
5173 `\DeclareInputText{173}{\textnotequal}`  
5174 `\DeclareInputText{174}{\AE}`  
5175 `\DeclareInputText{175}{\O}`  
5176 `\DeclareInputText{176}{\textinfinity}`  
5177 `\DeclareInputText{177}{\textpm}`  
5178 `\DeclareInputText{178}{\textlessequal}`  
5179 `\DeclareInputText{179}{\textgreaterequal}`  
5180 `\DeclareInputText{180}{\textyen}`  
5181 `\DeclareInputText{181}{\textmu}`  
5182 `\DeclareInputText{182}{\textpartial}`  
5183 `\DeclareInputText{183}{\textsummation}`  
5184 `\DeclareInputText{184}{\textproduct}`  
5185 `\DeclareInputText{185}{\textpi}`  
5186 `\DeclareInputText{186}{\textintegral}`  
5187 `\DeclareInputText{187}{\textordfeminine}`  
5188 `\DeclareInputText{188}{\textordmasculine}`  
5189 `\DeclareInputText{189}{\textOmega}`  
5190 `\DeclareInputText{190}{\ae}`  
5191 `\DeclareInputText{191}{\o}`  
5192 `\DeclareInputText{192}{\textquestiondown}`  
5193 `\DeclareInputText{193}{\textexclamdown}`  
5194 `\DeclareInputText{194}{\textlnot}`  
5195 `\DeclareInputText{195}{\textsurd}`  
5196 `\DeclareInputText{196}{\textflorin}`  
5197 `\DeclareInputText{197}{\textapproxequal}`  
5198 `\DeclareInputText{198}{\textincrement}`  
5199 `\DeclareInputText{199}{\guillemotleft}`  
5200 `\DeclareInputText{200}{\guillemotright}`  
5201 `\DeclareInputText{201}{\textellipsis}`  
5202 `\DeclareInputText{202}{\nobreakspace}`  
5203 `\DeclareInputText{203}{\@tabacckludge`A}`  
5204 `\DeclareInputText{204}{\~A}`  
5205 `\DeclareInputText{205}{\~O}`  
5206 `\DeclareInputText{206}{\OE}`  
5207 `\DeclareInputText{207}{\oe}`  
5208 `\DeclareInputText{208}{\textendash}`  
5209 `\DeclareInputText{209}{\textemdash}`  
5210 `\DeclareInputText{210}{\textquotedblleft}`  
5211 `\DeclareInputText{211}{\textquotedblright}`  
5212 `\DeclareInputText{212}{\textquoteleft}`  
5213 `\DeclareInputText{213}{\textquoteright}`  
5214 `\DeclareInputText{214}{\textdiv}`  
5215 `\DeclareInputText{215}{\textlozenge}`  
5216 `\DeclareInputText{216}{\`y}`  
5217 `\DeclareInputText{217}{\`Y}`  
5218 `\DeclareInputText{218}{\textfractionsolidus}`  
5219 `\DeclareInputText{219}{\texteuro}`  
5220 `\DeclareInputText{220}{\guilsinglleft}`  
5221 `\DeclareInputText{221}{\guilsinglright}`  
5222 `\DeclareInputText{222}{\fi}`  
5223 `\DeclareInputText{223}{\fl}`  
5224 `\DeclareInputText{224}{\textdaggerdbl}`  
5225 `\DeclareInputText{225}{\textperiodcentered}`  
5226 `\DeclareInputText{226}{\quotesinglbase}`  
5227 `\DeclareInputText{227}{\quotedblbase}`  
5228 `\DeclareInputText{228}{\textperthousand}`  
5229 `\DeclareInputText{229}{\^A}`  
5230 `\DeclareInputText{230}{\^E}`  
5231 `\DeclareInputText{231}{\@tabacckludge'A}`

```

5232 \DeclareInputText{232}{\`E}
5233 \DeclareInputText{233}{\@tabacckludge`E}
5234 \DeclareInputText{234}{\@tabacckludge'I}
5235 \DeclareInputText{235}{\^I}
5236 \DeclareInputText{236}{\`I}
5237 \DeclareInputText{237}{\@tabacckludge`I}
5238 \DeclareInputText{238}{\@tabacckludge'O}
5239 \DeclareInputText{239}{\^O}
5240 \DeclareInputText{241}{\@tabacckludge`O}
5241 \DeclareInputText{242}{\@tabacckludge'U}
5242 \DeclareInputText{243}{\^U}
5243 \DeclareInputText{244}{\@tabacckludge`U}
5244 \DeclareInputText{245}{\i}
5245 \DeclareInputText{246}{\textasciicircum}
5246 \DeclareInputText{247}{\textasciitilde}
5247 \DeclareInputText{248}{\textasciimacron}
5248 \DeclareInputText{249}{\textasciibreve}
5249 \DeclareInputText{250}{\.`{}}
5250 \DeclareInputText{251}{\r{}}
5251 \DeclareInputText{252}{\c\ }
5252 \DeclareInputText{253}{\textacutedbl}
5253 \DeclareInputText{254}{\k{}}
5254 \DeclareInputText{255}{\textasciicaron}
5255 \RestoreAtCatcode
5256 </mac-roman>

```

### 2.5.33 Encoding nextstep

```

5257 <*nextstep>
5258 \ProvidesFile{x-nextstep.def}%
5259 [2016/05/16 v1.11 Input encoding nextstep (inputenx)]%
5260 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
5261 \makeatletter
5262 \ProvideTextCommandDefault{\textacutedbl}{%
5263 \H{}}%
5264 }
5265 \ProvideTextCommandDefault{\textasciacute}{%
5266 \@tabacckludge'{}%
5267 }
5268 \ProvideTextCommandDefault{\textasciibreve}{%
5269 \u{}}%
5270 }
5271 \ProvideTextCommandDefault{\textasciicaron}{%
5272 \v{}}%
5273 }
5274 \ProvideTextCommandDefault{\textasciidieresis}{%
5275 `{}%
5276 }
5277 \ProvideTextCommandDefault{\textasciigrave}{%
5278 \@tabacckludge`{}%
5279 }
5280 \ProvideTextCommandDefault{\textasciimacron}{%
5281 \@tabacckludge={}%
5282 }
5283 \ProvideTextCommandDefault{\textbrokenbar}{%
5284 \TextSymbolUnavailable\textbrokenbar
5285 }
5286 \ProvideTextCommandDefault{\textcent}{%
5287 \TextSymbolUnavailable\textcent
5288 }
5289 \ProvideTextCommandDefault{\textcurrency}{%
5290 \TextSymbolUnavailable\textcurrency
5291 }
5292 \ProvideTextCommandDefault{\textdiv}{%

```

```

5293 \TextSymbolUnavailable\textdiv
5294 }
5295 \ProvideTextCommandDefault{\textflorin}{%
5296 \textit{f}%
5297 }
5298 \ProvideTextCommandDefault{\textfractionsolidus}{%
5299 /%
5300 }
5301 \ProvideTextCommandDefault{\textlnot}{%
5302 \ensuremath\not
5303 }
5304 \ProvideTextCommandDefault{\textmu}{%
5305 \ensuremath\mu
5306 }
5307 \ProvideTextCommandDefault{\textonehalf}{%
5308 \ensuremath{\frac{1}{2}}%
5309 }
5310 \ProvideTextCommandDefault{\textonequarter}{%
5311 \ensuremath{\frac{1}{4}}%
5312 }
5313 \ProvideTextCommandDefault{\textonesuperior}{%
5314 \ensuremath{\sup{1}}%
5315 }
5316 \ProvideTextCommandDefault{\textpm}{%
5317 \ensuremath\pm
5318 }
5319 \ProvideTextCommandDefault{\textthreequarters}{%
5320 \ensuremath{\frac{3}{4}}%
5321 }
5322 \ProvideTextCommandDefault{\textthreesuperior}{%
5323 \ensuremath{\sup{3}}%
5324 }
5325 \ProvideTextCommandDefault{\texttimes}{%
5326 \ensuremath\times
5327 }
5328 \ProvideTextCommandDefault{\texttwosuperior}{%
5329 \ensuremath{\sup{2}}%
5330 }
5331 \ProvideTextCommandDefault{\textyen}{%
5332 \TextSymbolUnavailable\textyen
5333 }
5334 \DeclareInputText{128}{\nobreakspace}
5335 \DeclareInputText{129}{\@tabacckludge`A}
5336 \DeclareInputText{130}{\@tabacckludge'A}
5337 \DeclareInputText{131}{\^A}
5338 \DeclareInputText{132}{\~A}
5339 \DeclareInputText{133}{\"A}
5340 \DeclareInputText{134}{\r A}
5341 \DeclareInputText{135}{\c C}
5342 \DeclareInputText{136}{\@tabacckludge`E}
5343 \DeclareInputText{137}{\@tabacckludge'E}
5344 \DeclareInputText{138}{\^E}
5345 \DeclareInputText{139}{\"E}
5346 \DeclareInputText{140}{\@tabacckludge`I}
5347 \DeclareInputText{141}{\@tabacckludge'I}
5348 \DeclareInputText{142}{\^I}
5349 \DeclareInputText{143}{\"I}
5350 \DeclareInputText{144}{\DH}
5351 \DeclareInputText{145}{\~N}
5352 \DeclareInputText{146}{\@tabacckludge`O}
5353 \DeclareInputText{147}{\@tabacckludge'O}
5354 \DeclareInputText{148}{\^O}

```

5355 \DeclareInputText{149}{\~O}  
5356 \DeclareInputText{150}{\^O}  
5357 \DeclareInputText{151}{\@tabacckludge`U}  
5358 \DeclareInputText{152}{\@tabacckludge'U}  
5359 \DeclareInputText{153}{\^U}  
5360 \DeclareInputText{154}{\^U}  
5361 \DeclareInputText{155}{\@tabacckludge'Y}  
5362 \DeclareInputText{156}{\TH}  
5363 \DeclareInputText{157}{\textmu}  
5364 \DeclareInputText{158}{\texttimes}  
5365 \DeclareInputText{159}{\textdiv}  
5366 \DeclareInputText{160}{\textcopyright}  
5367 \DeclareInputText{161}{\textexclamdown}  
5368 \DeclareInputText{162}{\textcent}  
5369 \DeclareInputText{163}{\textsterling}  
5370 \DeclareInputText{164}{\textfractionsolidus}  
5371 \DeclareInputText{165}{\textyen}  
5372 \DeclareInputText{166}{\textflorin}  
5373 \DeclareInputText{167}{\textsection}  
5374 \DeclareInputText{168}{\textcurrency}  
5375 \DeclareInputText{169}{\textquoteright}  
5376 \DeclareInputText{170}{\textquotedblleft}  
5377 \DeclareInputText{171}{\guillemotleft}  
5378 \DeclareInputText{172}{\guilsinglleft}  
5379 \DeclareInputText{173}{\guilsinglright}  
5380 \DeclareInputText{174}{fi}  
5381 \DeclareInputText{175}{fl}  
5382 \DeclareInputText{176}{\textregistered}  
5383 \DeclareInputText{177}{\textendash}  
5384 \DeclareInputText{178}{\textdagger}  
5385 \DeclareInputText{179}{\textdaggerdbl}  
5386 \DeclareInputText{180}{\textperiodcentered}  
5387 \DeclareInputText{181}{\textbrokenbar}  
5388 \DeclareInputText{182}{\textparagraph}  
5389 \DeclareInputText{183}{\textbullet}  
5390 \DeclareInputText{184}{\quotesinglbase}  
5391 \DeclareInputText{185}{\quotedblbase}  
5392 \DeclareInputText{186}{\textquotedblright}  
5393 \DeclareInputText{187}{\guillemotright}  
5394 \DeclareInputText{188}{\textellipsis}  
5395 \DeclareInputText{189}{\textperthousand}  
5396 \DeclareInputText{190}{\textlnot}  
5397 \DeclareInputText{191}{\textquestiondown}  
5398 \DeclareInputText{192}{\textonesuperior}  
5399 \DeclareInputText{193}{\textasciigrave}  
5400 \DeclareInputText{194}{\textasciiacute}  
5401 \DeclareInputText{195}{\textasciicircum}  
5402 \DeclareInputText{196}{\textasciitilde}  
5403 \DeclareInputText{197}{\textasciimacron}  
5404 \DeclareInputText{198}{\textasciibreve}  
5405 \DeclareInputText{199}{\.\{}}  
5406 \DeclareInputText{200}{\textasciidieresis}  
5407 \DeclareInputText{201}{\texttwosuperior}  
5408 \DeclareInputText{202}{r{}}  
5409 \DeclareInputText{203}{c\ }  
5410 \DeclareInputText{204}{\textthreesuperior}  
5411 \DeclareInputText{205}{\textacutedbl}  
5412 \DeclareInputText{206}{k{}}  
5413 \DeclareInputText{207}{\textasciicaron}  
5414 \DeclareInputText{208}{\textemdash}  
5415 \DeclareInputText{209}{\textpm}  
5416 \DeclareInputText{210}{\textonequarter}

```

5417 \DeclareInputText{211}{\textonehalf}
5418 \DeclareInputText{212}{\textthreequarters}
5419 \DeclareInputText{213}{\@tabacckludge`a}
5420 \DeclareInputText{214}{\@tabacckludge'a}
5421 \DeclareInputText{215}{\^a}
5422 \DeclareInputText{216}{\~a}
5423 \DeclareInputText{217}{\`a}
5424 \DeclareInputText{218}{\r a}
5425 \DeclareInputText{219}{\c c}
5426 \DeclareInputText{220}{\@tabacckludge`e}
5427 \DeclareInputText{221}{\@tabacckludge'e}
5428 \DeclareInputText{222}{\^e}
5429 \DeclareInputText{223}{\`e}
5430 \DeclareInputText{224}{\@tabacckludge`i}
5431 \DeclareInputText{225}{\AE}
5432 \DeclareInputText{226}{\@tabacckludge'i}
5433 \DeclareInputText{227}{\textordfeminine}
5434 \DeclareInputText{228}{\^i}
5435 \DeclareInputText{229}{\`i}
5436 \DeclareInputText{230}{\dh}
5437 \DeclareInputText{231}{\~n}
5438 \DeclareInputText{232}{\L}
5439 \DeclareInputText{233}{\O}
5440 \DeclareInputText{234}{\OE}
5441 \DeclareInputText{235}{\textordmasculine}
5442 \DeclareInputText{236}{\@tabacckludge`o}
5443 \DeclareInputText{237}{\@tabacckludge'o}
5444 \DeclareInputText{238}{\^o}
5445 \DeclareInputText{239}{\~o}
5446 \DeclareInputText{240}{\`o}
5447 \DeclareInputText{241}{\ae}
5448 \DeclareInputText{242}{\@tabacckludge`u}
5449 \DeclareInputText{243}{\@tabacckludge'u}
5450 \DeclareInputText{244}{\^u}
5451 \DeclareInputText{245}{\i}
5452 \DeclareInputText{246}{\`u}
5453 \DeclareInputText{247}{\@tabacckludge'y}
5454 \DeclareInputText{248}{\l}
5455 \DeclareInputText{249}{\o}
5456 \DeclareInputText{250}{\oe}
5457 \DeclareInputText{251}{\ss}
5458 \DeclareInputText{252}{\th}
5459 \DeclareInputText{253}{\`y}
5460 \RestoreAtCatcode
5461 </nextstep>

```

### 2.5.34 Non-Unicode additions

```

5462 <*mac-roman>
5463 \ProvideTextCommandDefault{\textapplelogo}{%
5464 \TextSymbolUnavailable\textapplelogo
5465 }
5466 \DeclareInputText{240}{\textapplelogo}
5467 </mac-roman>

```

## 2.6 Additions for utf8enc.dfu

```

5468 <*dfu>
5469 \ProvidesFile{ix-utf8enc.dfu}%
5470 [2016/05/16 v1.11 Additions of inputenx for utf8enc.dfu]%
5471 \DeclareUnicodeCharacter{00A0}{\nobreakspace}
5472 \DeclareUnicodeCharacter{00AD}{\-}
5473 \DeclareUnicodeCharacter{0100}{\@tabacckludge=A}
5474 \DeclareUnicodeCharacter{0101}{\@tabacckludge=a}

```

```

5475 \DeclareUnicodeCharacter{0108}{\^C}
5476 \DeclareUnicodeCharacter{0109}{\^c}
5477 \DeclareUnicodeCharacter{010A}{\ .C}
5478 \DeclareUnicodeCharacter{010B}{\ .c}
5479 \DeclareUnicodeCharacter{0112}{\@tabacckludge=E}
5480 \DeclareUnicodeCharacter{0113}{\@tabacckludge=e}
5481 \DeclareUnicodeCharacter{0116}{\ .E}
5482 \DeclareUnicodeCharacter{0117}{\ .e}
5483 \DeclareUnicodeCharacter{011C}{\^G}
5484 \DeclareUnicodeCharacter{011D}{\^g}
5485 \DeclareUnicodeCharacter{0120}{\ .G}
5486 \DeclareUnicodeCharacter{0121}{\ .g}
5487 \DeclareUnicodeCharacter{0122}{\c G}
5488 \DeclareUnicodeCharacter{0123}{\c g}
5489 \DeclareUnicodeCharacter{0124}{\^H}
5490 \DeclareUnicodeCharacter{0125}{\^h}
5491 \DeclareUnicodeCharacter{0126}{\textmalteseH}
5492 \DeclareUnicodeCharacter{0127}{\textmalteseh}
5493 \DeclareUnicodeCharacter{0128}{\~I}
5494 \DeclareUnicodeCharacter{0129}{\~i}
5495 \DeclareUnicodeCharacter{012A}{\@tabacckludge=I}
5496 \DeclareUnicodeCharacter{012B}{\@tabacckludge=i}
5497 \DeclareUnicodeCharacter{012E}{\k I}
5498 \DeclareUnicodeCharacter{012F}{\k i}
5499 \DeclareUnicodeCharacter{0134}{\^J}
5500 \DeclareUnicodeCharacter{0135}{\^j}
5501 \DeclareUnicodeCharacter{0136}{\c K}
5502 \DeclareUnicodeCharacter{0137}{\c k}
5503 \DeclareUnicodeCharacter{0138}{\textkra}
5504 \DeclareUnicodeCharacter{013B}{\c L}
5505 \DeclareUnicodeCharacter{013C}{\c l}
5506 \DeclareUnicodeCharacter{0145}{\c N}
5507 \DeclareUnicodeCharacter{0146}{\c n}
5508 \DeclareUnicodeCharacter{014C}{\@tabacckludge=O}
5509 \DeclareUnicodeCharacter{014D}{\@tabacckludge=o}
5510 \DeclareUnicodeCharacter{0156}{\c R}
5511 \DeclareUnicodeCharacter{0157}{\c r}
5512 \DeclareUnicodeCharacter{015C}{\^S}
5513 \DeclareUnicodeCharacter{015D}{\^s}
5514 \DeclareUnicodeCharacter{0166}{\textTstroke}
5515 \DeclareUnicodeCharacter{0167}{\texttstroke}
5516 \DeclareUnicodeCharacter{0168}{\~U}
5517 \DeclareUnicodeCharacter{0169}{\~u}
5518 \DeclareUnicodeCharacter{016A}{\@tabacckludge=U}
5519 \DeclareUnicodeCharacter{016B}{\@tabacckludge=u}
5520 \DeclareUnicodeCharacter{016C}{\u U}
5521 \DeclareUnicodeCharacter{016D}{\u u}
5522 \DeclareUnicodeCharacter{0172}{\k U}
5523 \DeclareUnicodeCharacter{0173}{\k u}
5524 \DeclareUnicodeCharacter{0174}{\^W}
5525 \DeclareUnicodeCharacter{0175}{\^w}
5526 \DeclareUnicodeCharacter{0176}{\^Y}
5527 \DeclareUnicodeCharacter{0177}{\^y}
5528 \DeclareUnicodeCharacter{01CD}{\v A}
5529 \DeclareUnicodeCharacter{01CE}{\v a}
5530 \DeclareUnicodeCharacter{01CF}{\v I}
5531 \DeclareUnicodeCharacter{01D0}{\v i}
5532 \DeclareUnicodeCharacter{01D1}{\v O}
5533 \DeclareUnicodeCharacter{01D2}{\v o}
5534 \DeclareUnicodeCharacter{01D3}{\v U}
5535 \DeclareUnicodeCharacter{01D4}{\v u}
5536 \DeclareUnicodeCharacter{01E2}{\@tabacckludge=\AE}

```

5537 \DeclareUnicodeCharacter{01E3}{\@tabacckludge=\ae}  
5538 \DeclareUnicodeCharacter{01E6}{\v G}  
5539 \DeclareUnicodeCharacter{01E7}{\v g}  
5540 \DeclareUnicodeCharacter{01E8}{\v K}  
5541 \DeclareUnicodeCharacter{01E9}{\v k}  
5542 \DeclareUnicodeCharacter{01F0}{\v j}  
5543 \DeclareUnicodeCharacter{01F4}{\@tabacckludge'G}  
5544 \DeclareUnicodeCharacter{01F5}{\@tabacckludge'g}  
5545 \DeclareUnicodeCharacter{01F8}{\@tabacckludge`N}  
5546 \DeclareUnicodeCharacter{01F9}{\@tabacckludge`n}  
5547 \DeclareUnicodeCharacter{01FC}{\@tabacckludge'AE}  
5548 \DeclareUnicodeCharacter{01FD}{\@tabacckludge'ae}  
5549 \DeclareUnicodeCharacter{0226}{\ .A}  
5550 \DeclareUnicodeCharacter{0227}{\ .a}  
5551 \DeclareUnicodeCharacter{0228}{\c E}  
5552 \DeclareUnicodeCharacter{0229}{\c e}  
5553 \DeclareUnicodeCharacter{022E}{\ .O}  
5554 \DeclareUnicodeCharacter{022F}{\ .o}  
5555 \DeclareUnicodeCharacter{0232}{\@tabacckludge=Y}  
5556 \DeclareUnicodeCharacter{0232}{\@tabacckludge=y}  
5557 \DeclareUnicodeCharacter{0232}{\@tabacckludge=y}  
5558 \DeclareUnicodeCharacter{0237}{\j}  
5559 \DeclareUnicodeCharacter{1E02}{\ .B}  
5560 \DeclareUnicodeCharacter{1E03}{\ .b}  
5561 \DeclareUnicodeCharacter{1E0A}{\ .D}  
5562 \DeclareUnicodeCharacter{1E0B}{\ .d}  
5563 \DeclareUnicodeCharacter{1E1E}{\ .F}  
5564 \DeclareUnicodeCharacter{1E1F}{\ .f}  
5565 \DeclareUnicodeCharacter{1E40}{\ .M}  
5566 \DeclareUnicodeCharacter{1E41}{\ .m}  
5567 \DeclareUnicodeCharacter{1E56}{\ .P}  
5568 \DeclareUnicodeCharacter{1E57}{\ .p}  
5569 \DeclareUnicodeCharacter{1E60}{\ .S}  
5570 \DeclareUnicodeCharacter{1E61}{\ .s}  
5571 \DeclareUnicodeCharacter{1E6A}{\ .T}  
5572 \DeclareUnicodeCharacter{1E6B}{\ .t}  
5573 \DeclareUnicodeCharacter{1E80}{\@tabacckludge`W}  
5574 \DeclareUnicodeCharacter{1E81}{\@tabacckludge`w}  
5575 \DeclareUnicodeCharacter{1E82}{\@tabacckludge'W}  
5576 \DeclareUnicodeCharacter{1E83}{\@tabacckludge'w}  
5577 \DeclareUnicodeCharacter{1E84}{\ "W}  
5578 \DeclareUnicodeCharacter{1E85}{\ "w}  
5579 \DeclareUnicodeCharacter{1EF2}{\@tabacckludge`Y}  
5580 \DeclareUnicodeCharacter{1EF3}{\@tabacckludge`y}  
5581 \DeclareUnicodeCharacter{0218}{\textcommabelow S}  
5582 \DeclareUnicodeCharacter{0219}{\textcommabelow s}  
5583 \DeclareUnicodeCharacter{021A}{\textcommabelow T}  
5584 \DeclareUnicodeCharacter{021B}{\textcommabelow t}  
5585 \DeclareUnicodeCharacter{02CB}{\textasciigrave}  
5586 \DeclareUnicodeCharacter{02D9}{\ .{}}  
5587 \DeclareUnicodeCharacter{02DA}{\r{}}  
5588 \DeclareUnicodeCharacter{02DB}{\k{}}  
5589 \DeclareUnicodeCharacter{0393}{\textGamma}  
5590 \DeclareUnicodeCharacter{0398}{\textTheta}  
5591 \DeclareUnicodeCharacter{03A3}{\textSigma}  
5592 \DeclareUnicodeCharacter{03A6}{\textPhi}  
5593 \DeclareUnicodeCharacter{03A9}{\textOmega}  
5594 \DeclareUnicodeCharacter{03B1}{\textalpha}  
5595 \DeclareUnicodeCharacter{03B2}{\textbeta}  
5596 \DeclareUnicodeCharacter{03B4}{\textdelta}  
5597 \DeclareUnicodeCharacter{03B5}{\textepsilon}  
5598 \DeclareUnicodeCharacter{03C0}{\textpi}

5599  $\backslash\text{DeclareUnicodeCharacter}\{03C3\}\{\backslash\text{textsigma}\}$   
5600  $\backslash\text{DeclareUnicodeCharacter}\{03C4\}\{\backslash\text{texttau}\}$   
5601  $\backslash\text{DeclareUnicodeCharacter}\{03C6\}\{\backslash\text{textphi}\}$   
5602  $\backslash\text{DeclareUnicodeCharacter}\{0403\}\{\backslash\text{@tabacckludge}\backslash\text{CYRG}\}$   
5603  $\backslash\text{DeclareUnicodeCharacter}\{040C\}\{\backslash\text{@tabacckludge}\backslash\text{CYRK}\}$   
5604  $\backslash\text{DeclareUnicodeCharacter}\{0453\}\{\backslash\text{@tabacckludge}\backslash\text{cyrg}\}$   
5605  $\backslash\text{DeclareUnicodeCharacter}\{045C\}\{\backslash\text{@tabacckludge}\backslash\text{cyrk}\}$   
5606  $\backslash\text{DeclareUnicodeCharacter}\{05D0\}\{\backslash\text{hebalef}\}$   
5607  $\backslash\text{DeclareUnicodeCharacter}\{05D1\}\{\backslash\text{hebbet}\}$   
5608  $\backslash\text{DeclareUnicodeCharacter}\{05D2\}\{\backslash\text{hebgimel}\}$   
5609  $\backslash\text{DeclareUnicodeCharacter}\{05D3\}\{\backslash\text{hebdalet}\}$   
5610  $\backslash\text{DeclareUnicodeCharacter}\{05D4\}\{\backslash\text{hebhe}\}$   
5611  $\backslash\text{DeclareUnicodeCharacter}\{05D5\}\{\backslash\text{hebvav}\}$   
5612  $\backslash\text{DeclareUnicodeCharacter}\{05D6\}\{\backslash\text{hebzayin}\}$   
5613  $\backslash\text{DeclareUnicodeCharacter}\{05D7\}\{\backslash\text{hebbet}\}$   
5614  $\backslash\text{DeclareUnicodeCharacter}\{05D8\}\{\backslash\text{hebtet}\}$   
5615  $\backslash\text{DeclareUnicodeCharacter}\{05D9\}\{\backslash\text{hebyod}\}$   
5616  $\backslash\text{DeclareUnicodeCharacter}\{05DA\}\{\backslash\text{hebfinalkaf}\}$   
5617  $\backslash\text{DeclareUnicodeCharacter}\{05DB\}\{\backslash\text{hebkaf}\}$   
5618  $\backslash\text{DeclareUnicodeCharacter}\{05DC\}\{\backslash\text{heblamed}\}$   
5619  $\backslash\text{DeclareUnicodeCharacter}\{05DD\}\{\backslash\text{hebfinalmem}\}$   
5620  $\backslash\text{DeclareUnicodeCharacter}\{05DE\}\{\backslash\text{hebmem}\}$   
5621  $\backslash\text{DeclareUnicodeCharacter}\{05DF\}\{\backslash\text{hebfinalnun}\}$   
5622  $\backslash\text{DeclareUnicodeCharacter}\{05E0\}\{\backslash\text{hebnun}\}$   
5623  $\backslash\text{DeclareUnicodeCharacter}\{05E1\}\{\backslash\text{hebsamekh}\}$   
5624  $\backslash\text{DeclareUnicodeCharacter}\{05E2\}\{\backslash\text{hebayin}\}$   
5625  $\backslash\text{DeclareUnicodeCharacter}\{05E3\}\{\backslash\text{hebfinalpe}\}$   
5626  $\backslash\text{DeclareUnicodeCharacter}\{05E4\}\{\backslash\text{hebpe}\}$   
5627  $\backslash\text{DeclareUnicodeCharacter}\{05E5\}\{\backslash\text{hebfinaltsadi}\}$   
5628  $\backslash\text{DeclareUnicodeCharacter}\{05E6\}\{\backslash\text{hebtsadi}\}$   
5629  $\backslash\text{DeclareUnicodeCharacter}\{05E7\}\{\backslash\text{he bqof}\}$   
5630  $\backslash\text{DeclareUnicodeCharacter}\{05E8\}\{\backslash\text{hebresh}\}$   
5631  $\backslash\text{DeclareUnicodeCharacter}\{05E9\}\{\backslash\text{hebshin}\}$   
5632  $\backslash\text{DeclareUnicodeCharacter}\{05EA\}\{\backslash\text{hebtav}\}$   
5633  $\backslash\text{DeclareUnicodeCharacter}\{2015\}\{\backslash\text{texthorizontalbar}\}$   
5634  $\backslash\text{DeclareUnicodeCharacter}\{2017\}\{\backslash\text{textdbllowline}\}$   
5635  $\backslash\text{DeclareUnicodeCharacter}\{207F\}\{\backslash\text{textnsuperior}\}$   
5636  $\backslash\text{DeclareUnicodeCharacter}\{20A7\}\{\backslash\text{textpeseta}\}$   
5637  $\backslash\text{DeclareUnicodeCharacter}\{2202\}\{\backslash\text{textpartial}\}$   
5638  $\backslash\text{DeclareUnicodeCharacter}\{2206\}\{\backslash\text{textincrement}\}$   
5639  $\backslash\text{DeclareUnicodeCharacter}\{2208\}\{\backslash\text{textelement}\}$   
5640  $\backslash\text{DeclareUnicodeCharacter}\{220F\}\{\backslash\text{textproduct}\}$   
5641  $\backslash\text{DeclareUnicodeCharacter}\{2211\}\{\backslash\text{textsummation}\}$   
5642  $\backslash\text{DeclareUnicodeCharacter}\{2219\}\{\backslash\text{textbullet}\}$   
5643  $\backslash\text{DeclareUnicodeCharacter}\{221A\}\{\backslash\text{textsurd}\}$   
5644  $\backslash\text{DeclareUnicodeCharacter}\{221E\}\{\backslash\text{textinfinity}\}$   
5645  $\backslash\text{DeclareUnicodeCharacter}\{2227\}\{\backslash\text{textcap}\}$   
5646  $\backslash\text{DeclareUnicodeCharacter}\{2229\}\{\backslash\text{textintersection}\}$   
5647  $\backslash\text{DeclareUnicodeCharacter}\{222B\}\{\backslash\text{textintegral}\}$   
5648  $\backslash\text{DeclareUnicodeCharacter}\{222E\}\{\backslash\text{textcontourintegral}\}$   
5649  $\backslash\text{DeclareUnicodeCharacter}\{2248\}\{\backslash\text{textaproxequal}\}$   
5650  $\backslash\text{DeclareUnicodeCharacter}\{2260\}\{\backslash\text{textnotequal}\}$   
5651  $\backslash\text{DeclareUnicodeCharacter}\{2261\}\{\backslash\text{textequivalence}\}$   
5652  $\backslash\text{DeclareUnicodeCharacter}\{2264\}\{\backslash\text{textlessequal}\}$   
5653  $\backslash\text{DeclareUnicodeCharacter}\{2265\}\{\backslash\text{textgreaterequal}\}$   
5654  $\backslash\text{DeclareUnicodeCharacter}\{2310\}\{\backslash\text{textrevlogicalnot}\}$   
5655  $\backslash\text{DeclareUnicodeCharacter}\{25A0\}\{\backslash\text{textblacksquare}\}$   
5656  $\backslash\text{DeclareUnicodeCharacter}\{25CA\}\{\backslash\text{textlozenge}\}$   
5657  $\backslash\text{DeclareUnicodeCharacter}\{FB01\}\{\backslash\text{fi}\}$   
5658  $\backslash\text{DeclareUnicodeCharacter}\{FB02\}\{\backslash\text{fl}\}$   
5659  $\backslash\text{DeclareUnicodeCharacter}\{2500\}\{\backslash\text{textSFx}\}$   
5660  $\backslash\text{DeclareUnicodeCharacter}\{2502\}\{\backslash\text{textSFxi}\}$

```

5661 \DeclareUnicodeCharacter{250C}{\textSFi}
5662 \DeclareUnicodeCharacter{2510}{\textSFiii}
5663 \DeclareUnicodeCharacter{2514}{\textSFii}
5664 \DeclareUnicodeCharacter{2518}{\textSFiv}
5665 \DeclareUnicodeCharacter{251C}{\textSFviii}
5666 \DeclareUnicodeCharacter{2524}{\textSFix}
5667 \DeclareUnicodeCharacter{252C}{\textSFvi}
5668 \DeclareUnicodeCharacter{2534}{\textSFvii}
5669 \DeclareUnicodeCharacter{253C}{\textSFv}
5670 \DeclareUnicodeCharacter{2550}{\textSFliiii}
5671 \DeclareUnicodeCharacter{2551}{\textSFxxiv}
5672 \DeclareUnicodeCharacter{2552}{\textSFli}
5673 \DeclareUnicodeCharacter{2553}{\textSFlii}
5674 \DeclareUnicodeCharacter{2554}{\textSFxxxix}
5675 \DeclareUnicodeCharacter{2555}{\textSFxxii}
5676 \DeclareUnicodeCharacter{2556}{\textSFxxi}
5677 \DeclareUnicodeCharacter{2557}{\textSFxxv}
5678 \DeclareUnicodeCharacter{2558}{\textSFl}
5679 \DeclareUnicodeCharacter{2559}{\textSFlix}
5680 \DeclareUnicodeCharacter{255A}{\textSFxxxviii}
5681 \DeclareUnicodeCharacter{255B}{\textSFxxviii}
5682 \DeclareUnicodeCharacter{255C}{\textSFxxvii}
5683 \DeclareUnicodeCharacter{255D}{\textSFxxvi}
5684 \DeclareUnicodeCharacter{255E}{\textSFxxxvi}
5685 \DeclareUnicodeCharacter{255F}{\textSFxxxvii}
5686 \DeclareUnicodeCharacter{2560}{\textSFxlii}
5687 \DeclareUnicodeCharacter{2561}{\textSFxix}
5688 \DeclareUnicodeCharacter{2562}{\textSFxx}
5689 \DeclareUnicodeCharacter{2563}{\textSFxxiii}
5690 \DeclareUnicodeCharacter{2564}{\textSFxlvi}
5691 \DeclareUnicodeCharacter{2565}{\textSFxlviii}
5692 \DeclareUnicodeCharacter{2566}{\textSFxli}
5693 \DeclareUnicodeCharacter{2567}{\textSFxlv}
5694 \DeclareUnicodeCharacter{2568}{\textSFxlvi}
5695 \DeclareUnicodeCharacter{2569}{\textSFxl}
5696 \DeclareUnicodeCharacter{256A}{\textSFliv}
5697 \DeclareUnicodeCharacter{256B}{\textSFliii}
5698 \DeclareUnicodeCharacter{256C}{\textSFxliv}
5699 \DeclareUnicodeCharacter{2580}{\textupblock}
5700 \DeclareUnicodeCharacter{2584}{\textdnblock}
5701 \DeclareUnicodeCharacter{2588}{\textblock}
5702 \DeclareUnicodeCharacter{258C}{\textlfblock}
5703 \DeclareUnicodeCharacter{2590}{\textrtblock}
5704 \DeclareUnicodeCharacter{2591}{\textltshade}
5705 \DeclareUnicodeCharacter{2592}{\textshade}
5706 \DeclareUnicodeCharacter{2593}{\textdkshade}
5707 </dfu>

```

## 2.7 Name list

```

5708 <*name>
5709 \ProvidesFile{ix-name.def}%
5710 [2016/05/16 v1.11 Name list (inputex)]%

```

*List omitted here, see ix-name.def.*

```

5711 </name>

```

## 2.8 Mapping Slot, UC to Encodings

```

5712 <*slot>
5713 \ProvidesFile{ix-slot.def}%
5714 [2016/05/16 v1.11 SLOT and UC to Encodings (inputex)]%

```

*List omitted here, see ix-slot.def.*

```

5715 </slot>

```

## 2.9 Mapping UC to LICR

```
5716 <*uc>
5717 \ProvidesFile{ix-uc.def}%
5718 [2016/05/16 v1.11 UC to LICR (inputenx)]%
5719 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
5720 \makeatletter
```

*List omitted here, see ix-uc.def.*

```
5721 \RestoreAtCatcode
5722 </uc>
```

## 2.10 Math meaning declarations

Package `inpmath` already declares math meanings for LICRs. Here are some more. One goal is to use the input characters in math that were defined in the standard  $\LaTeX$  encodings using `\DeclareInputMath`.

```
5723 <*math>
5724 \ProvidesFile{ix-math.def}%
5725 [2016/05/16 v1.11 Math list (inputenx)]%
5726 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
5727 \makeatletter
```

The next math meaning for `\ss` looks a little funny. But it is useful for input characters, where most encodings share in practice the same slot for `\ss` and `\beta`. Thus we do not need two encodings such as `cp437de.def` and `cp437.def`.

```
5728 \DeclareMathMeaning{\ss}{\beta}
5729 \DeclareMathMeaning{\textalpha}{\alpha}
5730 \DeclareMathMeaning{\textapproxequal}{\approx}
5731 \DeclareMathMeaning{\textbardbl}{\Vert}% = \lvert
5732 \DeclareMathMeaning{\textbeta}{\beta}
5733 \DeclareMathMeaning{\textbullet}{\bullet}
5734 \DeclareMathMeaning{\textcap}{\cap}
5735 \DeclareMathMeaning{\textcontourintegral}{\oint}
5736 \DeclareMathMeaning{\textcopyright}{\fss@text{\textcopyright}}
5737 \DeclareMathMeaning{\textcup}{\cup}
5738 \DeclareMathMeaning{\textdagger}{\dagger}
5739 \DeclareMathMeaning{\textdaggerdbl}{\ddagger}
5740 \DeclareMathMeaning{\textdegree}{\textcircled{}}
5741 \DeclareMathMeaning{\textdelta}{\delta}
5742 \DeclareMathMeaning{\textdollar}{\mathdollar}
5743 \DeclareMathMeaning{\textepsilon}{\varepsilon}
5744 \DeclareMathMeaning{\textequivalence}{\equiv}
5745 \DeclareMathMeaning{\textbraceleft}{\lbrace}
5746 \DeclareMathMeaning{\textbraceright}{\rbrace}
5747 \DeclareMathMeaning{\textdiv}{\div}
5748 \DeclareMathMeaning{\textdownarrow}{\downarrow}
5749 \DeclareMathMeaning{\textelement}{\in}
5750 \DeclareMathMeaning{\textellipsis}{\mathellipsis}
5751 \DeclareMathMeaning{\textGamma}{\Gamma}
5752 \DeclareMathMeaning{\textgreaterequal}{\geq}
5753 \DeclareMathMeaning{\textincrement}{\Delta}
5754 \DeclareMathMeaning{\textinfinity}{\infty}
5755 \DeclareMathMeaning{\textintegral}{\int}
5756 \DeclareMathMeaning{\textintersection}{\cap}
5757 \DeclareMathMeaning{\textlangle}{\langle}
5758 \DeclareMathMeaning{\textleftarrow}{\leftarrow}
5759 \DeclareMathMeaning{\textlessequal}{\leq}
5760 \DeclareMathMeaning{\textlnot}{\lnot}
5761 \DeclareMathMeaning{\textlogicalnot}{\lnot}
5762 \DeclareMathMeaning{\textlozenge}{\diamond}
5763 \DeclareMathMeaning{\textmu}{\mu}
5764 \DeclareMathMeaning{\textnotequal}{\neq}
5765 \DeclareMathMeaning{\textnsuperior}{\textsuperscript{~n}}
```

```

5766 \DeclareMathMeaning{\textohm}{\Omega}
5767 \DeclareMathMeaning{\textOmega}{\Omega}
5768 \DeclareMathMeaning{\textonehalf}{\frac{1}{2}}
5769 \DeclareMathMeaning{\textonequarter}{\frac{1}{4}}
5770 \DeclareMathMeaning{\textonesuperior}{^1}
5771 \DeclareMathMeaning{\textopenbullet}{\circ}
5772 \DeclareMathMeaning{\textparagraph}{\mathparagraph}
5773 \DeclareMathMeaning{\textpartial}{\partial}
5774 \DeclareMathMeaning{\textPhi}{\Phi}
5775 \DeclareMathMeaning{\textphi}{\phi}
5776 \DeclareMathMeaning{\textpi}{\pi}
5777 \DeclareMathMeaning{\textproduct}{\prod}
5778 \DeclareMathMeaning{\texttriangle}{\triangle}
5779 \DeclareMathMeaning{\textrevlogicalnot}{\text{\nfss@text{\textrevlogicalnot}}}
5780 \DeclareMathMeaning{\textrightarrow}{\rightarrow}
5781 \DeclareMathMeaning{\textsection}{\mathsection}
5782 \DeclareMathMeaning{\textSigma}{\Sigma}
5783 \DeclareMathMeaning{\textsigma}{\sigma}
5784 \DeclareMathMeaning{\textsterling}{\mathsterling}
5785 \DeclareMathMeaning{\textsummation}{\sum}
5786 \DeclareMathMeaning{\textsurd}{\surd}
5787 \DeclareMathMeaning{\texttau}{\tau}
5788 \DeclareMathMeaning{\textTheta}{\Theta}
5789 \DeclareMathMeaning{\textthreequarters}{\frac{3}{4}}
5790 \DeclareMathMeaning{\textthreesuperior}{^3}
5791 \DeclareMathMeaning{\texttwosuperior}{^2}
5792 \DeclareMathMeaning{\textuparrow}{\uparrow}

5793 \RestoreAtCatcode
5794 </math>

```

## 2.11 Documentation files

### 2.11.1 List of known LICR commands

This is the list of commands for use in LICR that are already defined by standard L<sup>A</sup>T<sub>E</sub>X without extra packages.

```

5795 <*licrcmds>
5796 % List of known LICR commands of inputenx 2016/05/16 v1.11
5797 %
5798 % Format: \LICRcmd{<command>}{<type>}
5799 % Types:
5800 % Accent: <command> was defined by \DeclareTextAccentDefault
5801 % Command: <command> was defined by \DeclareTextCommandDefault
5802 % Symbol: <command> was defined by \DeclareTextSymbolDefault
5803 % Internal: for \@tabacckludge
5804 % Extra: additional commands
5805 %
5806 % Entries derived from the 2kernel part
5807 % of ltoutenc.dtx 2005/11/08 v1.99h.
5808 %
5809 \LICRcmd{\ }{Extra}
5810 \LICRcmd{"}{Composite}
5811 \LICRcmd{'}{Composite}
5812 \LICRcmd{\-}{Extra}
5813 \LICRcmd{\.}{Composite}
5814 \LICRcmd{\=}{Accent}
5815 \LICRcmd{\@tabacckludge}{Internal}
5816 \LICRcmd{\AE}{Symbol}
5817 \LICRcmd{\DH}{Symbol}
5818 \LICRcmd{\DJ}{Symbol}
5819 \LICRcmd{\H}{Composite}
5820 \LICRcmd{\IJ}{Symbol}

```

5821 \LICRcmd{\L}{Symbol}  
5822 \LICRcmd{\NG}{Symbol}  
5823 \LICRcmd{\O}{Symbol}  
5824 \LICRcmd{\OE}{Symbol}  
5825 \LICRcmd{\SS}{Symbol}  
5826 \LICRcmd{\TH}{Symbol}  
5827 \LICRcmd{\`}{Composite}  
5828 \LICRcmd{\`}{Composite}  
5829 \LICRcmd{\ae}{Symbol}  
5830 \LICRcmd{\b}{Command}  
5831 \LICRcmd{\c}{Composite}  
5832 \LICRcmd{\d}{Command}  
5833 \LICRcmd{\dh}{Symbol}  
5834 \LICRcmd{\dj}{Symbol}  
5835 \LICRcmd{\guillemotleft}{Symbol}  
5836 \LICRcmd{\guillemotright}{Symbol}  
5837 \LICRcmd{\guilsinglleft}{Symbol}  
5838 \LICRcmd{\guilsinglright}{Symbol}  
5839 \LICRcmd{\i}{Symbol}  
5840 \LICRcmd{\ij}{Symbol}  
5841 \LICRcmd{\j}{Symbol}  
5842 \LICRcmd{\k}{CompositeCommand}  
5843 \LICRcmd{\l}{Symbol}  
5844 \LICRcmd{\ng}{Symbol}  
5845 \LICRcmd{\nobreakspace}{Extra}  
5846 \LICRcmd{\o}{Symbol}  
5847 \LICRcmd{\oe}{Symbol}  
5848 \LICRcmd{\quotedblbase}{Symbol}  
5849 \LICRcmd{\quotesinglbase}{Symbol}  
5850 \LICRcmd{\r}{Composite}  
5851 \LICRcmd{\ss}{Symbol}  
5852 \LICRcmd{\t}{Accent}  
5853 \LICRcmd{\textasciicircum}{Symbol}  
5854 \LICRcmd{\textasciitilde}{Symbol}  
5855 \LICRcmd{\textasteriskcentered}{Symbol}  
5856 \LICRcmd{\textbackslash}{Symbol}  
5857 \LICRcmd{\textbar}{Symbol}  
5858 \LICRcmd{\textbardbl}{Symbol}  
5859 \LICRcmd{\textbigcircle}{Symbol}  
5860 \LICRcmd{\textbraceleft}{Symbol}  
5861 \LICRcmd{\textbraceright}{Symbol}  
5862 \LICRcmd{\textbullet}{Symbol}  
5863 \LICRcmd{\textcircled}{Command}  
5864 \LICRcmd{\textcopyright}{Symbol}  
5865 \LICRcmd{\textcopyright}{CommandDefault}  
5866 \LICRcmd{\textdagger}{Symbol}  
5867 \LICRcmd{\textdaggerdbl}{Symbol}  
5868 \LICRcmd{\textdollar}{Symbol}  
5869 \LICRcmd{\textellipsis}{CommandDefault}  
5870 \LICRcmd{\textemdash}{Symbol}  
5871 \LICRcmd{\textendash}{Symbol}  
5872 \LICRcmd{\textexclamdown}{Symbol}  
5873 \LICRcmd{\textgreater}{Symbol}  
5874 \LICRcmd{\textless}{Symbol}  
5875 \LICRcmd{\textogonekcentered}{Command}  
5876 \LICRcmd{\textordfeminine}{CommandDefault}  
5877 \LICRcmd{\textordmasculine}{CommandDefault}  
5878 \LICRcmd{\textparagraph}{Symbol}  
5879 \LICRcmd{\textperiodcentered}{Symbol}  
5880 \LICRcmd{\textpertenthousand}{Command}  
5881 \LICRcmd{\textperthousand}{Command}  
5882 \LICRcmd{\textquestiondown}{Symbol}

```

5883 \LICRcmd{\textquotedbl}{Symbol}
5884 \LICRcmd{\textquotedblleft}{Symbol}
5885 \LICRcmd{\textquotedblright}{Symbol}
5886 \LICRcmd{\textquoteleft}{Symbol}
5887 \LICRcmd{\textquoteright}{Symbol}
5888 \LICRcmd{\textregistered}{CommandDefault}
5889 \LICRcmd{\textsection}{Symbol}
5890 \LICRcmd{\textsterling}{Symbol}
5891 \LICRcmd{\texttrademark}{CommandDefault}
5892 \LICRcmd{\textunderscore}{Symbol}
5893 \LICRcmd{\textvisiblespace}{Symbol}
5894 \LICRcmd{\th}{Symbol}
5895 \LICRcmd{\u}{Composite}
5896 \LICRcmd{\v}{Composite}
5897 \LICRcmd{\~}{Composite}
5898 </licrcmds>

```

### 2.11.2 Commented additions for utf8enc.dfu

```

5899 <*dfudoc>
5900 % inputenx-utf8enc.txt 2016/05/16 v1.11
5901 % Commented additions for utf8enc.dfu
5902

```

*List omitted here, see inputenx-utf8enc.txt.*

```
5903 </dfudoc>
```

## 3 Installation

### 3.1 Download

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

[CTAN:macros/latex/contrib/oberdiek/inputenx.dtx](#) The source file.

[CTAN:macros/latex/contrib/oberdiek/inputenx.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.

### 3.2 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/
```

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

### 3.3 Package installation

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

```
tex inputenx.dtx
```

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

<code>inputenx.sty</code>	<code>→ tex/latex/oberdiek/inputenx.sty</code>
<code>ix-alias.def</code>	<code>→ tex/latex/oberdiek/ix-alias.def</code>
<code>ix-math.def</code>	<code>→ tex/latex/oberdiek/ix-math.def</code>
<code>ix-name.def</code>	<code>→ tex/latex/oberdiek/ix-name.def</code>
<code>ix-slot.def</code>	<code>→ tex/latex/oberdiek/ix-slot.def</code>
<code>ix-uc.def</code>	<code>→ tex/latex/oberdiek/ix-uc.def</code>
<code>ix-utf8enc.dfu</code>	<code>→ tex/latex/oberdiek/ix-utf8enc.dfu</code>
<code>x-ascii.def</code>	<code>→ tex/latex/oberdiek/x-ascii.def</code>
<code>x-verbatim.def</code>	<code>→ tex/latex/oberdiek/x-verbatim.def</code>
<code>x-atarist.def</code>	<code>→ tex/latex/oberdiek/x-atarist.def</code>
<code>x-iso-8859-1.def</code>	<code>→ tex/latex/oberdiek/x-iso-8859-1.def</code>
<code>x-iso-8859-2.def</code>	<code>→ tex/latex/oberdiek/x-iso-8859-2.def</code>
<code>x-iso-8859-3.def</code>	<code>→ tex/latex/oberdiek/x-iso-8859-3.def</code>
<code>x-iso-8859-4.def</code>	<code>→ tex/latex/oberdiek/x-iso-8859-4.def</code>
<code>x-iso-8859-5.def</code>	<code>→ tex/latex/oberdiek/x-iso-8859-5.def</code>
<code>x-iso-8859-8.def</code>	<code>→ tex/latex/oberdiek/x-iso-8859-8.def</code>
<code>x-iso-8859-9.def</code>	<code>→ tex/latex/oberdiek/x-iso-8859-9.def</code>
<code>x-iso-8859-10.def</code>	<code>→ tex/latex/oberdiek/x-iso-8859-10.def</code>
<code>x-iso-8859-13.def</code>	<code>→ tex/latex/oberdiek/x-iso-8859-13.def</code>
<code>x-iso-8859-14.def</code>	<code>→ tex/latex/oberdiek/x-iso-8859-14.def</code>
<code>x-iso-8859-15.def</code>	<code>→ tex/latex/oberdiek/x-iso-8859-15.def</code>
<code>x-iso-8859-16.def</code>	<code>→ tex/latex/oberdiek/x-iso-8859-16.def</code>
<code>x-cp437.def</code>	<code>→ tex/latex/oberdiek/x-cp437.def</code>
<code>x-cp850.def</code>	<code>→ tex/latex/oberdiek/x-cp850.def</code>
<code>x-cp852.def</code>	<code>→ tex/latex/oberdiek/x-cp852.def</code>
<code>x-cp855.def</code>	<code>→ tex/latex/oberdiek/x-cp855.def</code>
<code>x-cp858.def</code>	<code>→ tex/latex/oberdiek/x-cp858.def</code>
<code>x-cp865.def</code>	<code>→ tex/latex/oberdiek/x-cp865.def</code>
<code>x-cp866.def</code>	<code>→ tex/latex/oberdiek/x-cp866.def</code>
<code>x-cp1250.def</code>	<code>→ tex/latex/oberdiek/x-cp1250.def</code>
<code>x-cp1251.def</code>	<code>→ tex/latex/oberdiek/x-cp1251.def</code>
<code>x-cp1252.def</code>	<code>→ tex/latex/oberdiek/x-cp1252.def</code>
<code>x-cp1255.def</code>	<code>→ tex/latex/oberdiek/x-cp1255.def</code>
<code>x-cp1257.def</code>	<code>→ tex/latex/oberdiek/x-cp1257.def</code>
<code>x-dec-mcs.def</code>	<code>→ tex/latex/oberdiek/x-dec-mcs.def</code>
<code>x-koi8-r.def</code>	<code>→ tex/latex/oberdiek/x-koi8-r.def</code>
<code>x-mac-centeuro.def</code>	<code>→ tex/latex/oberdiek/x-mac-centeuro.def</code>
<code>x-mac-cyrillic.def</code>	<code>→ tex/latex/oberdiek/x-mac-cyrillic.def</code>
<code>x-mac-roman.def</code>	<code>→ tex/latex/oberdiek/x-mac-roman.def</code>
<code>x-nextstep.def</code>	<code>→ tex/latex/oberdiek/x-nextstep.def</code>
<code>inputenx.pdf</code>	<code>→ doc/latex/oberdiek/inputenx.pdf</code>
<code>inputenx-licrcmds.txt</code>	<code>→ doc/latex/oberdiek/inputenx-licrcmds.txt</code>
<code>inputenx-utf8enc.txt</code>	<code>→ doc/latex/oberdiek/inputenx-utf8enc.txt</code>
<code>inputenx.dtx</code>	<code>→ source/latex/oberdiek/inputenx.dtx</code>

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.

### 3.4 Refresh file name databases

If your  $\text{T}_{\text{E}}\text{X}$  distribution (te $\text{T}_{\text{E}}\text{X}$ , mik $\text{T}_{\text{E}}\text{X}$ , ...) relies on file name databases, you must refresh these. For example, te $\text{T}_{\text{E}}\text{X}$  users run `texhash` or `mktextlsr`.

### 3.5 Some details for the interested

**Unpacking with  $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$ .** The `.dtx` chooses its action depending on the format:

**plain  $\text{T}_{\text{E}}\text{X}$ :** Run `docstrip` and extract the files.

**$\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$ :** Generate the documentation.

If you insist on using  $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$  for `docstrip` (really, `docstrip` does not need  $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$ ), then inform the autodetect routine about your intention:

```
latex \let\install=y\input{inputenx.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 pdf $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$ :

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

## 4 Catalogue

The following XML file can be used as source for the  [\$\text{T}\_{\text{E}}\text{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 `inputenx.xml`.

```
5904 <*catalogue>
5905 <?xml version='1.0' encoding='us-ascii'?>
5906 <!DOCTYPE entry SYSTEM 'catalogue.dtd'>
5907 <entry datestamp='$Date$' modifier='$Author$' id='inputenx'>
5908 <name>inputenx</name>
5909 <caption>Enhanced input encoding handling.</caption>
5910 <authorref id='auth:oberdiek'/>
5911 <copyright owner='Heiko Oberdiek' year='2006-2011'/>
5912 <license type='lppl1.3'/>
5913 <version number='1.11'/>
5914 <description>
5915 This package deals with input encodings. The first stage
5916 provides input encodings using
5917 standard mappings and covers nearly all slots. Thus it
5918 serves as more uptodate replacement for package
5919 <xref refid='inputenc'>inputenc</xref>.
5920 <p/>
5921 The package is part of the <xref refid='oberdiek'>oberdiek</xref> bundle.
5922 </description>
5923 <documentation details='Package documentation'
5924 href='ctan:/macros/latex/contrib/oberdiek/inputenx.pdf'/>
5925 <ctan file='true' path='/macros/latex/contrib/oberdiek/inputenx.dtx'/>
```

```

5926 <miktex location='oberdiek'/'>
5927 <texlive location='oberdiek'/'>
5928 <install path='/macros/latex/contrib/oberdiek/oberdiek.tds.zip'/'>
5929 </entry>
5930 </catalogue>

```

## 5 References

- [1] Frank Mittelbach, Michel Goossens, *The L<sup>A</sup>T<sub>E</sub>X Companion*, second edition, April 2004.
- [2] Alan Jeffrey, Frank Mittelbach, *inputenc.sty*, 2006/05/05 v1.1b. [CTAN:macros/latex/base/inputenc.dtx](http://ctan.org/macros/latex/base/inputenc.dtx)
- [3] Heiko Oberdiek, *The selinput package*, 2007/06/16 v1.1. [CTAN:macros/latex/contrib/oberdiek/selinput.pdf](http://ctan.org/macros/latex/contrib/oberdiek/selinput.pdf)
- [4] Heiko Oberdiek, *The pmbboxdraw package*, 2006/05/03 v1.0. [CTAN:macros/latex/contrib/oberdiek/pmbboxdraw.pdf](http://ctan.org/macros/latex/contrib/oberdiek/pmbboxdraw.pdf)
- [5] Wikipedia, *Dash*. <http://en.wikipedia.org/wiki/Dash>

### 5.1 Mappings to Unicode

- [6] Philippe Verdy, Bruno Haible, *AtariST to Unicode*, 22th April 2005. [ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/MISC/ATARIST.TXT](http://ftp.unicode.org/Public/MAPPINGS/VENDORS/MISC/ATARIST.TXT)
- [7] Ken Whistler, *ISO/IEC 8859-1:1998 to Unicode*, 27th July 1999. [ftp://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-1.TXT](http://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-1.TXT)
- [8] Ken Whistler, *ISO/IEC 8859-2:1999 to Unicode*, 27th July 1999. [ftp://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-2.TXT](http://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-2.TXT)
- [9] Ken Whistler, *ISO/IEC 8859-3:1999 to Unicode*, 27th July 1999. [ftp://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-3.TXT](http://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-3.TXT)
- [10] Ken Whistler, *ISO/IEC 8859-4:1998 to Unicode*, 27th July 1999. [ftp://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-4.TXT](http://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-4.TXT)
- [11] Ken Whistler, *ISO/IEC 8859-5:1998 to Unicode*, 27th July 1999. [ftp://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-5.TXT](http://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-5.TXT)
- [12] Ken Whistler, *ISO/IEC 8859-8:1999 to Unicode*, 3rd January 2000. [ftp://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-8.TXT](http://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-8.TXT)
- [13] Ken Whistler, *ISO/IEC 8859-9:1999 to Unicode*, 27th July 1999. [ftp://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-9.TXT](http://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-9.TXT)
- [14] Ken Whistler, *ISO/IEC 8859-15:1999 to Unicode*, 27th July 1999. [ftp://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-15.TXT](http://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-15.TXT)
- [15] Ken Whistler, *ISO/IEC 8859-16:2001 to Unicode*, 26th July 2001. [ftp://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-16.TXT](http://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-16.TXT)
- [16] Helmut Richter, *KOI8-R (RFC1486) to Unicode*, 18th August 1999. [ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/MISC/KOI8-R.TXT](http://ftp.unicode.org/Public/MAPPINGS/VENDORS/MISC/KOI8-R.TXT)
- [17] Apple Computer, *Map (external version) from MAC OS Central European character set to Unicode 2.1 and later*, 4th April 2005. [ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/APPLE/CENTEURO.TXT](http://ftp.unicode.org/Public/MAPPINGS/VENDORS/APPLE/CENTEURO.TXT)

- [18] Apple Computer, *Map (external version) from MAC OS Cyrillic character set to Unicode 2.1 and later*, 5th April 2005. <ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/APPLE/CYRILLIC.TXT>
- [19] Apple Computer, *Map (external version) from MAC OS Roman character set to Unicode 2.1 and later*, 5th April 2005. <ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/APPLE/ROMAN.TXT>
- [20] Apple Computer, *Map (external version) from MAC OS Urainian character set to Unicode 2.1 and later*, 5th April 2005. <ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/APPLE/UKRAINE.TXT>
- [21] Rick McGowan, *NextStep Encoding to Unicode*, 23rd September 1999. <ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/NEXT/NEXTSTEP.TXT>

## 6 History

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

- First version.

### [2007/04/11 v1.1]

- Some Cyrillic encodings added: cp855, cp866, cp1251, koi8-r, mac-cyrillic
- x-mac-ce renamed to x-mac-centeuro.

### [2007/06/16 v1.2]

- Documentation update.

### [2007/08/16 v1.3]

- Fix for U+0135:  $\backslash^j \rightarrow \backslash^j$  (Behnam Tabatabai).

### [2009/08/13 v1.4]

- Encodings for Atari (atarist) and ISO 8859-8 added.
- Support for horizontal bar (U+2015) and double low line (U+2017) added.

### [2009/12/15 v1.5]

- Aliases clean7bit, ascii-print, ascii-printable added for x-ascii.

### [2010/01/11 v1.6]

- `\BeforeInputEncoding` and `\AfterInputEncoding` added.
- Documentation added.

### [2011/02/08 v1.7]

- Encoding x-verbatim added.
- `\InputEncoding` saves and restores some catcodes for reading the `.def` files.

[2011/04/10 v1.8]

- Fix for Unicode character U+0123 (g with cedilla) (Thanks Zvi Gilboa).
- Some accented characters from set “Latin Extended-B” added to if-utf8enc.dfu.

[2011/04/26 v1.9]

- Added encoding: cp1255 (Hebrew, letters only).

[2011/05/27 v1.10]

- Documentation fixed (missing `\end{verbatim}` added).

[2016/05/16 v1.11]

- Documentation updates.

## 7 Index

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

<b>Symbols</b>		
<code>\"</code> .....	298, 400, 403, 408, 410, 413, 419, 423, 424, 425, 536, 625, 632, 636, 643, 649, 657, 664, 668, 675, 681, 684, 705, 755, 762, 773, 779, 787, 794, 805, 811, 829, 893, 900, 904, 910, 916, 923, 930, 934, 940, 946, 967, 1026, 1033, 1044, 1050, 1058, 1065, 1076, 1082, 1214, 1348, 1437, 1444, 1448, 1455, 1461, 1469, 1476, 1480, 1487, 1493, 1496, 1555, 1562, 1566, 1573, 1579, 1587, 1594, 1598, 1605, 1611, 1703, 1721, 1727, 1735, 1753, 1759, 1785, 1799, 1800, 1806, 1813, 1817, 1824, 1830, 1838, 1845, 1849, 1856, 1862, 1865, 1942, 1948, 1955, 1959, 1966, 1972, 1980, 1987, 1991, 1998, 2004, 2007, 2068, 2074, 2081, 2085, 2092, 2098, 2106, 2113, 2117, 2124, 2130, 2133, 2253, 2256, 2261, 2263, 2266, 2272, 2276, 2277, 2278, 2389, 2461, 2464, 2469, 2471, 2474, 2480, 2484, 2485, 2486, 2543, 2548, 2608, 2629, 2632, 2637, 2642, 2648, 2653, 2654, 2711, 2922, 2997, 3000, 3005, 3007, 3010, 3016, 3020, 3021, 3022, 3079, 3084, 3240, 3243, 3248, 3250, 3253, 3259, 3263, 3264, 3265, 3546, 3638, 3645, 3656, 3662, 3670, 3677, 3688, 3694, 3878, 3963,	4000, 4007, 4011, 4018, 4024, 4032, 4039, 4043, 4050, 4056, 4059, 4071, 4219, 4328, 4346, 4352, 4360, 4378, 4384, 4454, 4461, 4465, 4471, 4477, 4478, 4484, 4491, 4495, 4501, 4507, 4508, 4677, 4712, 4717, 4718, 4722, 4738, 4743, 5057, 5128, 5133, 5134, 5138, 5145, 5149, 5154, 5159, 5216, 5217, 5232, 5236, 5275, 5339, 5345, 5349, 5356, 5360, 5423, 5429, 5435, 5446, 5452, 5459, 5577, 5578, 5810
<code>\#</code> .....	11, 23	
<code>\%</code> .....	15, 27	
<code>\'</code> .....	5811	
<code>\-</code> .....	602, 732, 873, 1003, 1120, 1291, 1414, 1532, 1680, 1783, 1925, 2051, 2572, 2740, 2895, 3108, 3615, 3784, 3977, 4159, 4305, 5472, 5812	
<code>\.</code> ..	734, 750, 814, 869, 874, 889, 894, 909, 924, 939, 949, 1034, 1066, 1085, 1462, 1563, 1595, 1710, 1728, 1742, 1760, 1771, 1772, 1774, 1775, 1776, 1781, 1786, 1787, 1788, 1789, 1790, 1791, 1793, 1795, 1797, 1801, 1825, 1857, 2053, 2069, 2689, 2690, 2750, 3617, 3633, 3697, 4335, 4353, 4367, 4385, 4387, 4734, 4736, 4835, 4837, 5249, 5405, 5477, 5478, 5481, 5482, 5485, 5486, 5549, 5550, 5553, 5554, 5559, 5560, 5561, 5562, 5563, 5564, 5565, 5566, 5567, 5568,	

	5569, 5570, 5571, 5572, 5586, 5813	2002, 2005, 2050, 2052, 2070,
\<	29	2071, 2075, 2078, 2079, 2082,
\=	5814	2083, 2087, 2088, 2089, 2093,
\@	13, 25	2095, 2096, 2102, 2103, 2107,
\@M	73, 79	2110, 2111, 2114, 2115, 2119,
\@depth	2163, 2395,	2120, 2121, 2125, 2127, 2128,
	2611, 2764, 2928, 3153, 3373, 4520	2254, 2257, 2262, 2265, 2268,
\@ehc	62	2273, 2275, 2284, 2285, 2286,
\@empty	35, 45, 64,	2287, 2386, 2392, 2462, 2465,
	65, 66, 104, 106, 113, 116, 119, 145	2470, 2473, 2476, 2481, 2483,
\@for	114, 128	2492, 2493, 2494, 2495, 2513,
\@height	2163, 2395,	2515, 2544, 2546, 2554, 2556,
	2611, 2764, 2928, 3153, 3373, 4520	2559, 2565, 2567, 2568, 2569,
\@ifundefined	36, 371, 2227, 3217	2599, 2630, 2634, 2641, 2643,
\@ne	259	2644, 2645, 2646, 2651, 2652,
\@notprerr	151	2660, 2661, 2662, 2663, 2671,
\@onelevel@sanitize	34, 84, 87	2681, 2714, 2724, 2727, 2728,
\@revlogicalnot		2732, 2733, 2734, 2736, 2737,
	374, 377, 2230, 2233, 3220, 3223	2785, 2786, 2805, 2806, 2919,
\@tabacckludge	295,	2925, 2998, 3001, 3006, 3009,
	301, 401, 404, 409, 412, 415,	3012, 3017, 3019, 3028, 3029,
	420, 422, 431, 432, 433, 434,	3030, 3031, 3049, 3051, 3080,
	453, 533, 539, 621, 622, 629,	3082, 3090, 3092, 3095, 3101,
	630, 633, 634, 639, 640, 646,	3103, 3104, 3105, 3241, 3244,
	647, 650, 653, 654, 661, 662,	3249, 3252, 3255, 3260, 3262,
	665, 666, 671, 672, 678, 679,	3271, 3272, 3273, 3274, 3537,
	682, 696, 725, 731, 741, 747,	3584, 3587, 3598, 3601, 3634,
	751, 752, 756, 757, 760, 764,	3635, 3639, 3640, 3643, 3647,
	768, 770, 777, 780, 783, 784,	3651, 3653, 3660, 3663, 3666,
	788, 789, 792, 796, 800, 802,	3667, 3671, 3672, 3675, 3679,
	809, 812, 823, 890, 891, 897,	3683, 3685, 3692, 3695, 3741,
	898, 901, 902, 906, 907, 913,	3743, 3753, 3768, 3875, 3881,
	914, 920, 921, 927, 928, 931,	3996, 3997, 4004, 4005, 4008,
	932, 936, 937, 943, 944, 961,	4009, 4014, 4015, 4021, 4022,
	970, 1000, 1016, 1022, 1023,	4025, 4028, 4029, 4036, 4037,
	1031, 1035, 1037, 1040, 1048,	4040, 4041, 4046, 4047, 4053,
	1052, 1054, 1055, 1063, 1067,	4054, 4057, 4068, 4074, 4213,
	1069, 1072, 1080, 1084, 1110,	4222, 4326, 4327, 4331, 4333,
	1119, 1190, 1199, 1211, 1217,	4334, 4338, 4341, 4343, 4344,
	1345, 1351, 1433, 1434, 1441,	4350, 4351, 4358, 4359, 4363,
	1442, 1445, 1446, 1451, 1452,	4365, 4366, 4370, 4373, 4375,
	1458, 1459, 1465, 1466, 1473,	4376, 4382, 4383, 4450, 4451,
	1474, 1477, 1478, 1483, 1484,	4458, 4459, 4462, 4463, 4467,
	1490, 1491, 1521, 1523, 1533,	4468, 4474, 4475, 4480, 4481,
	1537, 1539, 1549, 1551, 1552,	4488, 4489, 4492, 4493, 4497,
	1560, 1564, 1569, 1570, 1577,	4498, 4504, 4505, 4713, 4714,
	1580, 1583, 1584, 1592, 1596,	4715, 4719, 4724, 4725, 4726,
	1601, 1602, 1609, 1612, 1701,	4727, 4728, 4730, 4732, 4733,
	1702, 1706, 1708, 1709, 1713,	4735, 4740, 4761, 4764, 4773,
	1716, 1718, 1719, 1725, 1726,	4774, 4777, 4780, 4791, 4800,
	1733, 1734, 1738, 1740, 1741,	4801, 4802, 4813, 4814, 4815,
	1745, 1748, 1750, 1751, 1757,	4818, 4821, 4822, 4824, 4826,
	1758, 1778, 1780, 1782, 1794,	4832, 4833, 4949, 4950, 4980,
	1796, 1798, 1802, 1803, 1810,	4981, 5048, 5060, 5131, 5135,
	1811, 1814, 1815, 1820, 1821,	5136, 5142, 5143, 5146, 5147,
	1827, 1828, 1831, 1834, 1835,	5151, 5152, 5156, 5157, 5203,
	1842, 1843, 1846, 1847, 1852,	5231, 5233, 5234, 5237, 5238,
	1853, 1859, 1860, 1863, 1874,	5240, 5241, 5243, 5266, 5278,
	1944, 1945, 1952, 1953, 1956,	5281, 5335, 5336, 5342, 5343,
	1957, 1962, 1963, 1969, 1970,	5346, 5347, 5352, 5353, 5357,
	1973, 1976, 1977, 1984, 1985,	5358, 5361, 5419, 5420, 5426,
	1988, 1989, 1994, 1995, 2001,	5427, 5430, 5432, 5442, 5443,

5448, 5449, 5453, 5473, 5474,	1805, 1819, 1823, 1837, 1851,
5479, 5480, 5495, 5496, 5508,	1855, 1947, 1961, 1965, 1979,
5509, 5518, 5519, 5536, 5537,	1993, 1997, 2288, 2289, 2496,
5543, 5544, 5545, 5546, 5547,	2497, 2530, 2531, 2560, 2561,
5548, 5555, 5556, 5557, 5573,	3032, 3033, 3066, 3067, 3096,
5574, 5575, 5576, 5579, 5580,	3097, 3275, 3276, 3999, 4013,
5602, 5603, 5604, 5605, 5803, 5815	4017, 4031, 4045, 4049, 4345,
\@tempcnta 249, 251, 252, 254, 258, 259	4377, 4453, 4466, 4470, 4483,
\@width . . . . . 2163, 2395,	4496, 4500, 4739, 4789, 5132,
2611, 2764, 2928, 3153, 3373, 4520	5139, 5150, 5155, 5204, 5205,
\\ . . . . . 8, 20	5338, 5351, 5355, 5422, 5437,
\{ . . . . . 9, 21	5445, 5493, 5494, 5516, 5517, 5897
\} . . . . . 10, 22	
\^ . . . . . 12, 24, 402, 407,	\_ . . . . . 613, 743, 883, 1014, 1302,
411, 418, 421, 623, 631, 635,	1425, 2579, 2747, 3115, 3626,
641, 648, 655, 663, 667, 673,	3988, 4170, 4282, 5251, 5409, 5809
680, 753, 765, 771, 785, 797,	
803, 866, 872, 881, 887, 892,	<b>A</b>
895, 899, 903, 908, 912, 915,	\active . . . . . 14, 252
918, 922, 925, 929, 933, 938,	\advance . . . . . 73, 79, 259
942, 945, 948, 1024, 1036, 1042,	\AE . . . . . 417, 627, 1028, 1439, 1557,
1049, 1056, 1068, 1074, 1081,	1682, 1808, 1950, 2076, 2270,
1435, 1443, 1447, 1453, 1460,	2478, 3014, 3257, 4002, 4307,
1467, 1475, 1479, 1485, 1492,	4456, 5174, 5431, 5536, 5547, 5816
1553, 1565, 1571, 1578, 1585,	\ae . . . . . 416, 659, 1060, 1471, 1589,
1597, 1603, 1610, 1804, 1812,	1698, 1840, 1982, 2108, 2269,
1816, 1818, 1822, 1829, 1832,	2477, 3013, 3256, 4034, 4323,
1836, 1844, 1848, 1850, 1854,	4486, 5190, 5447, 5537, 5548, 5829
1861, 1864, 1946, 1954, 1958,	\AfterInputEncoding . . . . . <u>136</u>
1964, 1971, 1978, 1986, 1990,	\alpha . . . . . 289, 2157, 3147, 5729
1996, 2003, 2072, 2080, 2084,	\approx 292, 2160, 3150, 4517, 4848, 5045
2090, 2097, 2104, 2112, 2116,	\aprox . . . . . 5730
2122, 2129, 2255, 2260, 2264,	
2271, 2274, 2463, 2468, 2472,	<b>B</b>
2479, 2482, 2514, 2542, 2547,	\b . . . . . 5830
2558, 2566, 2631, 2640, 2647,	\BeforeInputEncoding . . . . . <u>5</u> , <u>133</u>
2682, 2715, 2726, 2999, 3004,	\beta . . . . . 304, 5728, 5732
3008, 3015, 3018, 3050, 3078,	\bullet . . . . . 5733
3083, 3094, 3102, 3242, 3247,	
3251, 3258, 3261, 3636, 3648,	<b>C</b>
3654, 3668, 3680, 3686, 3998,	\c . . . . . 399, 406, 613, 628,
4006, 4010, 4016, 4023, 4030,	660, 729, 743, 745, 758, 781,
4038, 4042, 4048, 4055, 4452,	790, 813, 870, 883, 885, 896,
4460, 4464, 4469, 4476, 4482,	926, 993, 996, 1001, 1009, 1012,
4490, 4494, 4499, 4506, 4737,	1014, 1017, 1039, 1041, 1071,
4823, 5137, 5144, 5148, 5153,	1073, 1302, 1425, 1440, 1463,
5158, 5229, 5230, 5235, 5239,	1472, 1495, 1522, 1525, 1527,
5242, 5337, 5344, 5348, 5354,	1538, 1541, 1543, 1568, 1600,
5359, 5421, 5428, 5434, 5444,	1677, 1693, 1711, 1712, 1714,
5450, 5475, 5476, 5483, 5484,	1717, 1743, 1744, 1746, 1749,
5489, 5490, 5499, 5500, 5512,	1809, 1841, 1951, 1983, 2077,
5513, 5524, 5525, 5526, 5527, 5827	2109, 2252, 2259, 2460, 2467,
\^ . . . . . 16, 28, 5828	2579, 2628, 2635, 2673, 2684,
\\ . . . . . 5731	2721, 2738, 2747, 2996, 3003,
\~ . . . . . 14, 26, 254,	3115, 3239, 3246, 3612, 3626,
435, 436, 447, 448, 454, 455,	3628, 3641, 3664, 3673, 3696,
624, 638, 642, 656, 670, 674,	3988, 4003, 4035, 4170, 4282,
905, 935, 995, 1011, 1025, 1043,	4302, 4318, 4336, 4337, 4339,
1051, 1057, 1075, 1083, 1436,	4342, 4368, 4369, 4371, 4374,
1450, 1454, 1468, 1482, 1486,	4457, 4487, 4758, 4765, 4769,
1524, 1540, 1554, 1572, 1574,	4770, 4775, 4776, 4807, 4808,
1586, 1604, 1606, 1720, 1752,	4834, 4838, 5130, 5141, 5251,

5341, 5409, 5425, 5487, 5488,  
5501, 5502, 5504, 5505, 5506,  
5507, 5510, 5511, 5551, 5552, 5831  
\cap . . . 307, 340, 2193, 3183, 5734, 5756  
\catcode 8, 9, 10, 11, 12, 13, 14, 15,  
16, 20, 21, 22, 23, 24, 25, 26,  
27, 28, 29, 246, 251, 252, 271,  
530, 690, 820, 955, 1091, 1208,  
1342, 1502, 1620, 1768, 1871,  
2013, 2139, 2383, 2593, 2761,  
2916, 3129, 3370, 3531, 3703,  
3872, 4065, 4210, 4393, 4514,  
4671, 4845, 5036, 5260, 5719, 5726  
\check@mathfonts . . . . .  
1096, 2021, 2772, 3384, 3726, 4886  
\circ . . . . . 316, 551,  
711, 835, 976, 1241, 1363, 1508,  
1632, 1880, 2030, 2169, 2419,  
2617, 2952, 3159, 3379, 3555,  
3712, 3893, 4083, 4234, 4402,  
4523, 4680, 4851, 5066, 5740, 5771  
\crrc 1102, 2018, 2778, 3390, 3732, 4892  
\csname . . . . . 38, 43, 64, 90, 240, 245  
\cup . . . . . 5737  
\CurrentInputEncodingName . . . 5,  
5, 33, 34, 36, 38, 39, 43, 47, 54,  
59, 64, 65, 85, 90, 95, 140, 156, 159  
\CurrentInputEncodingOption . . . .  
. . . . . 6, 35, 42, 45, 52, 55, 61,  
66, 116, 123, 141, 145, 149, 154, 156  
\CurrentOption . . . . . 107, 109, 114, 115  
\CYRA 1123, 2816, 3398, 3803, 4635, 4903  
\cyra 1155, 2815, 3430, 3835, 4603, 4999  
\CYRB 1124, 2818, 3399, 3804, 4636, 4904  
\cyrb 1156, 2817, 3431, 3836, 4604, 5000  
\CYRC 1145, 2820, 3420, 3825, 4637, 4925  
\cyrc 1177, 2819, 3500, 3857, 4605, 5021  
\CYRCH . . . . .  
1146, 2907, 3421, 3826, 4664, 4926  
\cyrch 1178, 2906, 3501, 3858, 4632, 5022  
\CYRD 1127, 2822, 3402, 3807, 4638, 4907  
\cyrd 1159, 2821, 3434, 3839, 4606, 5003  
\CYRDJE . . . . . 1109, 2784, 3740, 4946  
\cyrdje . . . . . 1189, 2783, 3756, 4947  
\CYRDZE . . . . . 1112, 2792, 3800, 4968  
\cyrdze . . . . . 1192, 2791, 3801, 4982  
\CYRDZHE . . . . . 1122, 2810, 3755, 4993  
\cyrdzhe . . . . . 1202, 2809, 3770, 4994  
\CYRE 1128, 2824, 3403, 3808, 4639, 4908  
\cyre 1160, 2823, 3435, 3840, 4607, 5004  
\CYREREV . . . . .  
1152, 2903, 3427, 3832, 4662, 4932  
\cyrerev . . . . .  
1184, 2902, 3507, 3864, 4630, 5028  
\CYRERY . . . . .  
1150, 2897, 3425, 3830, 4659, 4930  
\cyrery 1182, 2896, 3505, 3862, 4627, 5026  
\CYRF 1143, 2826, 3418, 3823, 4640, 4923  
\cyrf 1175, 2825, 3498, 3855, 4608, 5019  
\CYRG 1110, 1126, 2786, 2828, 3401,  
3741, 3806, 4641, 4906, 4949, 5602  
\cyrg . . . 1158, 1190, 2785, 2827, 3433,  
3743, 3838, 4609, 4950, 5002, 5604  
\CYRGUP . . . . . 3776, 4937  
\cyrgup . . . . . 3791, 4957  
\CYRH 1144, 2837, 3419, 3824, 4642, 4924  
\cyrh 1176, 2836, 3499, 3856, 4610, 5020  
\CYRHRDSN . . . . .  
1149, 2814, 3424, 3829, 4665, 4929  
\cyrhrdsn . . . . .  
1181, 2813, 3504, 3861, 4633, 5025  
\CYRI 1131, 2839, 3406, 3811, 4643, 4911  
\cyri 1163, 2838, 3438, 3843, 4611, 5007  
\CYRIE . . . 1111, 2790, 3512, 3781, 4959  
\cyrie . . . 1191, 2789, 3513, 3797, 4960  
\CYRII . . . . . 1113, 2794, 3789, 4942  
\cyrii . . . . . 1193, 2793, 3790, 4955  
\CYRISHRT . . . . .  
1132, 2845, 3407, 3812, 4644, 4912  
\cyrishrt . . . . .  
1164, 2844, 3439, 3844, 4612, 5008  
\CYRJE . . . . . 1115, 2798, 3774, 4958  
\cyrje . . . . . 1195, 2797, 3799, 4967  
\CYRK 1119, 1133, 2806, 2854, 3408,  
3753, 3813, 4645, 4913, 4980, 5603  
\cyrk . . . 1165, 1199, 2805, 2853, 3440,  
3768, 3845, 4613, 4981, 5009, 5605  
\CYRL 1134, 2864, 3409, 3814, 4646, 4914  
\cyrl 1166, 2863, 3441, 3846, 4614, 5010  
\CYRLJE . . . . . 1116, 2800, 3750, 4963  
\cyrlje . . . . . 1196, 2799, 3765, 4964  
\CYRM . . . . .  
1135, 2866, 3410, 3815, 4647, 4915  
\cyrm 1167, 2865, 3442, 3847, 4615, 5011  
\CYRN 1136, 2868, 3411, 3816, 4648, 4916  
\cyrn 1168, 2867, 3443, 3848, 4616, 5012  
\CYRNJE . . . . . 1117, 2802, 3752, 4965  
\cyrnje . . . . . 1197, 2801, 3767, 4966  
\CYRO 1137, 2870, 3412, 3817, 4649, 4917  
\cyro 1169, 2869, 3444, 3849, 4617, 5013  
\CYRP 1138, 2876, 3413, 3818, 4650, 4918  
\cyrp 1170, 2871, 3445, 3850, 4618, 5014  
\CYRR 1139, 2881, 3414, 3819, 4652, 4919  
\cyrr 1171, 2880, 3494, 3851, 4620, 5015  
\CYRS 1140, 2883, 3415, 3820, 4653, 4920  
\cyrs 1172, 2882, 3495, 3852, 4621, 5016  
\CYRSFTSN . . . . .  
1151, 2893, 3426, 3831, 4658, 4931  
\cyrsftsn . . . . .  
1183, 2892, 3506, 3863, 4626, 5027  
\CYRSH . . . . .  
1147, 2901, 3422, 3827, 4661, 4927  
\cyrsh 1179, 2900, 3502, 3859, 4629, 5023  
\CYRSHCH . . . . .  
1148, 2905, 3423, 3828, 4663, 4928  
\cyrshch . . . . .  
1180, 2904, 3503, 3860, 4631, 5024  
\CYRT 1141, 2885, 3416, 3821, 4654, 4921  
\cyrt 1173, 2884, 3496, 3853, 4622, 5017  
\CYRTSHE . . . . . 1118, 2804, 3754, 4978  
\cyrtshe . . . . . 1198, 2803, 3769, 4979  
\CYRU 1142, 2887, 3417, 3822, 4655, 4922  
\cyru 1174, 2886, 3497, 3854, 4623, 5018

<code>\CYRUSHRT</code> .....	683, 684, 719, 720, 721, 722,
..... 1121, 2808, 3516, 3772, 4991	723, 724, 725, 726, 727, 728,
<code>\cyrushrt</code> ..	729, 730, 731, 732, 733, 734,
<code>\CYRV</code> 1125, 2891, 3400, 3805, 4657, 4905	735, 736, 737, 738, 739, 740,
<code>\cyrv</code> 1157, 2890, 3432, 3837, 4625, 5001	741, 742, 743, 744, 745, 746,
<code>\CYRYA</code> .....	747, 748, 749, 750, 751, 752,
..... 1154, 2879, 3429, 3834, 4651, 4934	753, 754, 755, 756, 757, 758,
<code>\cyrYA</code> 1186, 2877, 3509, 3866, 4619, 4998	759, 760, 761, 762, 763, 764,
<code>\CYRYI</code> ... 1114, 2796, 3514, 3786, 4961	765, 766, 767, 768, 769, 770,
<code>\cyrYI</code> ... 1194, 2795, 3515, 3802, 4962	771, 772, 773, 774, 775, 776,
<code>\CYRYO</code> .....	777, 778, 779, 780, 781, 782,
..... 1108, 2788, 3510, 3779, 4589, 4996	783, 784, 785, 786, 787, 788,
<code>\cyrYO</code> 1188, 2787, 3511, 3795, 4573, 4997	789, 790, 791, 792, 793, 794,
<code>\CYRYU</code> .....	795, 796, 797, 798, 799, 800,
..... 1153, 2812, 3428, 3833, 4634, 4933	801, 802, 803, 804, 805, 806,
<code>\cyrYU</code> 1185, 2811, 3508, 3865, 4602, 5029	807, 808, 809, 810, 811, 812,
<code>\CYRZ</code> 1130, 2899, 3405, 3810, 4660, 4910	813, 814, 861, 862, 863, 864,
<code>\cyrz</code> 1162, 2898, 3437, 3842, 4628, 5006	865, 866, 867, 868, 869, 870,
<code>\CYRZH</code> .....	871, 872, 873, 874, 875, 876,
..... 1129, 2889, 3404, 3809, 4656, 4909	877, 878, 879, 880, 881, 882,
<code>\cyrzh</code> 1161, 2888, 3436, 3841, 4624, 5005	883, 884, 885, 886, 887, 888,
	889, 890, 891, 892, 893, 894,
	895, 896, 897, 898, 899, 900,
	901, 902, 903, 904, 905, 906,
	907, 908, 909, 910, 911, 912,
	913, 914, 915, 916, 917, 918,
	919, 920, 921, 922, 923, 924,
	925, 926, 927, 928, 929, 930,
	931, 932, 933, 934, 935, 936,
	937, 938, 939, 940, 941, 942,
	943, 944, 945, 946, 947, 948,
	949, 990, 991, 992, 993, 994,
	995, 996, 997, 998, 999, 1000,
	1001, 1002, 1003, 1004, 1005,
	1006, 1007, 1008, 1009, 1010,
	1011, 1012, 1013, 1014, 1015,
	1016, 1017, 1018, 1019, 1020,
	1021, 1022, 1023, 1024, 1025,
	1026, 1027, 1028, 1029, 1030,
	1031, 1032, 1033, 1034, 1035,
	1036, 1037, 1038, 1039, 1040,
	1041, 1042, 1043, 1044, 1045,
	1046, 1047, 1048, 1049, 1050,
	1051, 1052, 1053, 1054, 1055,
	1056, 1057, 1058, 1059, 1060,
	1061, 1062, 1063, 1064, 1065,
	1066, 1067, 1068, 1069, 1070,
	1071, 1072, 1073, 1074, 1075,
	1076, 1077, 1078, 1079, 1080,
	1081, 1082, 1083, 1084, 1085,
	1107, 1108, 1109, 1110, 1111,
	1112, 1113, 1114, 1115, 1116,
	1117, 1118, 1119, 1120, 1121,
	1122, 1123, 1124, 1125, 1126,
	1127, 1128, 1129, 1130, 1131,
	1132, 1133, 1134, 1135, 1136,
	1137, 1138, 1139, 1140, 1141,
	1142, 1143, 1144, 1145, 1146,
	1147, 1148, 1149, 1150, 1151,
	1152, 1153, 1154, 1155, 1156,
	1157, 1158, 1159, 1160, 1161,
	1162, 1163, 1164, 1165, 1166,
<b>D</b>	
<code>\d</code> .....	5832
<code>\dagger</code> .....	5738
<code>\ddagger</code> .....	5739
<code>\DeclareInputText</code> 399, 400, 401, 402,	
403, 404, 405, 406, 407, 408,	
409, 410, 411, 412, 413, 414,	
415, 416, 417, 418, 419, 420,	
421, 422, 423, 424, 425, 426,	
427, 428, 429, 430, 431, 432,	
433, 434, 435, 436, 437, 438,	
439, 440, 441, 442, 443, 444,	
445, 446, 447, 448, 449, 450,	
451, 452, 453, 454, 455, 456,	
457, 458, 459, 460, 461, 462,	
463, 464, 465, 466, 467, 468,	
469, 470, 471, 472, 473, 474,	
475, 476, 477, 478, 479, 480,	
481, 482, 483, 484, 485, 486,	
487, 488, 489, 490, 491, 492,	
493, 494, 495, 496, 497, 498,	
499, 500, 501, 502, 503, 504,	
505, 506, 507, 508, 509, 510,	
511, 512, 513, 514, 515, 516,	
517, 518, 519, 520, 521, 522,	
523, 524, 589, 590, 591, 592,	
593, 594, 595, 596, 597, 598,	
599, 600, 601, 602, 603, 604,	
605, 606, 607, 608, 609, 610,	
611, 612, 613, 614, 615, 616,	
617, 618, 619, 620, 621, 622,	
623, 624, 625, 626, 627, 628,	
629, 630, 631, 632, 633, 634,	
635, 636, 637, 638, 639, 640,	
641, 642, 643, 644, 645, 646,	
647, 648, 649, 650, 651, 652,	
653, 654, 655, 656, 657, 658,	
659, 660, 661, 662, 663, 664,	
665, 666, 667, 668, 669, 670,	
671, 672, 673, 674, 675, 676,	
677, 678, 679, 680, 681, 682,	

1167, 1168, 1169, 1170, 1171,  
1172, 1173, 1174, 1175, 1176,  
1177, 1178, 1179, 1180, 1181,  
1182, 1183, 1184, 1185, 1186,  
1187, 1188, 1189, 1190, 1191,  
1192, 1193, 1194, 1195, 1196,  
1197, 1198, 1199, 1200, 1201,  
1202, 1279, 1280, 1281, 1282,  
1283, 1284, 1285, 1286, 1287,  
1288, 1289, 1290, 1291, 1292,  
1293, 1294, 1295, 1296, 1297,  
1298, 1299, 1300, 1301, 1302,  
1303, 1304, 1305, 1306, 1307,  
1308, 1309, 1310, 1311, 1312,  
1313, 1314, 1315, 1316, 1317,  
1318, 1319, 1320, 1321, 1322,  
1323, 1324, 1325, 1326, 1327,  
1328, 1329, 1330, 1331, 1332,  
1333, 1334, 1335, 1336, 1401,  
1402, 1403, 1404, 1405, 1406,  
1407, 1408, 1409, 1410, 1411,  
1412, 1413, 1414, 1415, 1416,  
1417, 1418, 1419, 1420, 1421,  
1422, 1423, 1424, 1425, 1426,  
1427, 1428, 1429, 1430, 1431,  
1432, 1433, 1434, 1435, 1436,  
1437, 1438, 1439, 1440, 1441,  
1442, 1443, 1444, 1445, 1446,  
1447, 1448, 1449, 1450, 1451,  
1452, 1453, 1454, 1455, 1456,  
1457, 1458, 1459, 1460, 1461,  
1462, 1463, 1464, 1465, 1466,  
1467, 1468, 1469, 1470, 1471,  
1472, 1473, 1474, 1475, 1476,  
1477, 1478, 1479, 1480, 1481,  
1482, 1483, 1484, 1485, 1486,  
1487, 1488, 1489, 1490, 1491,  
1492, 1493, 1494, 1495, 1496,  
1519, 1520, 1521, 1522, 1523,  
1524, 1525, 1526, 1527, 1528,  
1529, 1530, 1531, 1532, 1533,  
1534, 1535, 1536, 1537, 1538,  
1539, 1540, 1541, 1542, 1543,  
1544, 1545, 1546, 1547, 1548,  
1549, 1550, 1551, 1552, 1553,  
1554, 1555, 1556, 1557, 1558,  
1559, 1560, 1561, 1562, 1563,  
1564, 1565, 1566, 1567, 1568,  
1569, 1570, 1571, 1572, 1573,  
1574, 1575, 1576, 1577, 1578,  
1579, 1580, 1581, 1582, 1583,  
1584, 1585, 1586, 1587, 1588,  
1589, 1590, 1591, 1592, 1593,  
1594, 1595, 1596, 1597, 1598,  
1599, 1600, 1601, 1602, 1603,  
1604, 1605, 1606, 1607, 1608,  
1609, 1610, 1611, 1612, 1613,  
1614, 1667, 1668, 1669, 1670,  
1671, 1672, 1673, 1674, 1675,  
1676, 1677, 1678, 1679, 1680,  
1681, 1682, 1683, 1684, 1685,  
1686, 1687, 1688, 1689, 1690,  
1691, 1692, 1693, 1694, 1695,  
1696, 1697, 1698, 1699, 1700,  
1701, 1702, 1703, 1704, 1705,  
1706, 1707, 1708, 1709, 1710,  
1711, 1712, 1713, 1714, 1715,  
1716, 1717, 1718, 1719, 1720,  
1721, 1722, 1723, 1724, 1725,  
1726, 1727, 1728, 1729, 1730,  
1731, 1732, 1733, 1734, 1735,  
1736, 1737, 1738, 1739, 1740,  
1741, 1742, 1743, 1744, 1745,  
1746, 1747, 1748, 1749, 1750,  
1751, 1752, 1753, 1754, 1755,  
1756, 1757, 1758, 1759, 1760,  
1761, 1762, 1770, 1771, 1772,  
1773, 1774, 1775, 1776, 1777,  
1778, 1779, 1780, 1781, 1782,  
1783, 1784, 1785, 1786, 1787,  
1788, 1789, 1790, 1791, 1792,  
1793, 1794, 1795, 1796, 1797,  
1798, 1799, 1800, 1801, 1802,  
1803, 1804, 1805, 1806, 1807,  
1808, 1809, 1810, 1811, 1812,  
1813, 1814, 1815, 1816, 1817,  
1818, 1819, 1820, 1821, 1822,  
1823, 1824, 1825, 1826, 1827,  
1828, 1829, 1830, 1831, 1832,  
1833, 1834, 1835, 1836, 1837,  
1838, 1839, 1840, 1841, 1842,  
1843, 1844, 1845, 1846, 1847,  
1848, 1849, 1850, 1851, 1852,  
1853, 1854, 1855, 1856, 1857,  
1858, 1859, 1860, 1861, 1862,  
1863, 1864, 1865, 1912, 1913,  
1914, 1915, 1916, 1917, 1918,  
1919, 1920, 1921, 1922, 1923,  
1924, 1925, 1926, 1927, 1928,  
1929, 1930, 1931, 1932, 1933,  
1934, 1935, 1936, 1937, 1938,  
1939, 1940, 1941, 1942, 1943,  
1944, 1945, 1946, 1947, 1948,  
1949, 1950, 1951, 1952, 1953,  
1954, 1955, 1956, 1957, 1958,  
1959, 1960, 1961, 1962, 1963,  
1964, 1965, 1966, 1967, 1968,  
1969, 1970, 1971, 1972, 1973,  
1974, 1975, 1976, 1977, 1978,  
1979, 1980, 1981, 1982, 1983,  
1984, 1985, 1986, 1987, 1988,  
1989, 1990, 1991, 1992, 1993,  
1994, 1995, 1996, 1997, 1998,  
1999, 2000, 2001, 2002, 2003,  
2004, 2005, 2006, 2007, 2038,  
2039, 2040, 2041, 2042, 2043,  
2044, 2045, 2046, 2047, 2048,  
2049, 2050, 2051, 2052, 2053,  
2054, 2055, 2056, 2057, 2058,  
2059, 2060, 2061, 2062, 2063,  
2064, 2065, 2066, 2067, 2068,  
2069, 2070, 2071, 2072, 2073,  
2074, 2075, 2076, 2077, 2078,  
2079, 2080, 2081, 2082, 2083,

2084, 2085, 2086, 2087, 2088,  
2089, 2090, 2091, 2092, 2093,  
2094, 2095, 2096, 2097, 2098,  
2099, 2100, 2101, 2102, 2103,  
2104, 2105, 2106, 2107, 2108,  
2109, 2110, 2111, 2112, 2113,  
2114, 2115, 2116, 2117, 2118,  
2119, 2120, 2121, 2122, 2123,  
2124, 2125, 2126, 2127, 2128,  
2129, 2130, 2131, 2132, 2133,  
2252, 2253, 2254, 2255, 2256,  
2257, 2258, 2259, 2260, 2261,  
2262, 2263, 2264, 2265, 2266,  
2267, 2268, 2269, 2270, 2271,  
2272, 2273, 2274, 2275, 2276,  
2277, 2278, 2279, 2280, 2281,  
2282, 2283, 2284, 2285, 2286,  
2287, 2288, 2289, 2290, 2291,  
2292, 2293, 2294, 2295, 2296,  
2297, 2298, 2299, 2300, 2301,  
2302, 2303, 2304, 2305, 2306,  
2307, 2308, 2309, 2310, 2311,  
2312, 2313, 2314, 2315, 2316,  
2317, 2318, 2319, 2320, 2321,  
2322, 2323, 2324, 2325, 2326,  
2327, 2328, 2329, 2330, 2331,  
2332, 2333, 2334, 2335, 2336,  
2337, 2338, 2339, 2340, 2341,  
2342, 2343, 2344, 2345, 2346,  
2347, 2348, 2349, 2350, 2351,  
2352, 2353, 2354, 2355, 2356,  
2357, 2358, 2359, 2360, 2361,  
2362, 2363, 2364, 2365, 2366,  
2367, 2368, 2369, 2370, 2371,  
2372, 2373, 2374, 2375, 2376,  
2377, 2460, 2461, 2462, 2463,  
2464, 2465, 2466, 2467, 2468,  
2469, 2470, 2471, 2472, 2473,  
2474, 2475, 2476, 2477, 2478,  
2479, 2480, 2481, 2482, 2483,  
2484, 2485, 2486, 2487, 2488,  
2489, 2490, 2491, 2492, 2493,  
2494, 2495, 2496, 2497, 2498,  
2499, 2500, 2501, 2502, 2503,  
2504, 2505, 2506, 2507, 2508,  
2509, 2510, 2511, 2512, 2513,  
2514, 2515, 2516, 2517, 2518,  
2519, 2520, 2521, 2522, 2523,  
2524, 2525, 2526, 2527, 2528,  
2529, 2530, 2531, 2532, 2533,  
2534, 2535, 2536, 2537, 2538,  
2539, 2540, 2541, 2542, 2543,  
2544, 2545, 2546, 2547, 2548,  
2549, 2550, 2551, 2552, 2553,  
2554, 2555, 2556, 2557, 2558,  
2559, 2560, 2561, 2562, 2563,  
2564, 2565, 2566, 2567, 2568,  
2569, 2570, 2571, 2572, 2573,  
2574, 2575, 2576, 2577, 2578,  
2579, 2580, 2581, 2582, 2583,  
2584, 2585, 2586, 2587, 2628,  
2629, 2630, 2631, 2632, 2633,  
2634, 2635, 2636, 2637, 2638,  
2639, 2640, 2641, 2642, 2643,  
2644, 2645, 2646, 2647, 2648,  
2649, 2650, 2651, 2652, 2653,  
2654, 2655, 2656, 2657, 2658,  
2659, 2660, 2661, 2662, 2663,  
2664, 2665, 2666, 2667, 2668,  
2669, 2670, 2671, 2672, 2673,  
2674, 2675, 2676, 2677, 2678,  
2679, 2680, 2681, 2682, 2683,  
2684, 2685, 2686, 2687, 2688,  
2689, 2690, 2691, 2692, 2693,  
2694, 2695, 2696, 2697, 2698,  
2699, 2700, 2701, 2702, 2703,  
2704, 2705, 2706, 2707, 2708,  
2709, 2710, 2711, 2712, 2713,  
2714, 2715, 2716, 2717, 2718,  
2719, 2720, 2721, 2722, 2723,  
2724, 2725, 2726, 2727, 2728,  
2729, 2730, 2731, 2732, 2733,  
2734, 2735, 2736, 2737, 2738,  
2739, 2740, 2741, 2742, 2743,  
2744, 2745, 2746, 2747, 2748,  
2749, 2750, 2751, 2752, 2753,  
2754, 2755, 2783, 2784, 2785,  
2786, 2787, 2788, 2789, 2790,  
2791, 2792, 2793, 2794, 2795,  
2796, 2797, 2798, 2799, 2800,  
2801, 2802, 2803, 2804, 2805,  
2806, 2807, 2808, 2809, 2810,  
2811, 2812, 2813, 2814, 2815,  
2816, 2817, 2818, 2819, 2820,  
2821, 2822, 2823, 2824, 2825,  
2826, 2827, 2828, 2829, 2830,  
2831, 2832, 2833, 2834, 2835,  
2836, 2837, 2838, 2839, 2840,  
2841, 2842, 2843, 2844, 2845,  
2846, 2847, 2848, 2849, 2850,  
2851, 2852, 2853, 2854, 2855,  
2856, 2857, 2858, 2859, 2860,  
2861, 2862, 2863, 2864, 2865,  
2866, 2867, 2868, 2869, 2870,  
2871, 2872, 2873, 2874, 2875,  
2876, 2877, 2878, 2879, 2880,  
2881, 2882, 2883, 2884, 2885,  
2886, 2887, 2888, 2889, 2890,  
2891, 2892, 2893, 2894, 2895,  
2896, 2897, 2898, 2899, 2900,  
2901, 2902, 2903, 2904, 2905,  
2906, 2907, 2908, 2909, 2910,  
2996, 2997, 2998, 2999, 3000,  
3001, 3002, 3003, 3004, 3005,  
3006, 3007, 3008, 3009, 3010,  
3011, 3012, 3013, 3014, 3015,  
3016, 3017, 3018, 3019, 3020,  
3021, 3022, 3023, 3024, 3025,  
3026, 3027, 3028, 3029, 3030,  
3031, 3032, 3033, 3034, 3035,  
3036, 3037, 3038, 3039, 3040,  
3041, 3042, 3043, 3044, 3045,  
3046, 3047, 3048, 3049, 3050,  
3051, 3052, 3053, 3054, 3055,

3056, 3057, 3058, 3059, 3060,  
3061, 3062, 3063, 3064, 3065,  
3066, 3067, 3068, 3069, 3070,  
3071, 3072, 3073, 3074, 3075,  
3076, 3077, 3078, 3079, 3080,  
3081, 3082, 3083, 3084, 3085,  
3086, 3087, 3088, 3089, 3090,  
3091, 3092, 3093, 3094, 3095,  
3096, 3097, 3098, 3099, 3100,  
3101, 3102, 3103, 3104, 3105,  
3106, 3107, 3108, 3109, 3110,  
3111, 3112, 3113, 3114, 3115,  
3116, 3117, 3118, 3119, 3120,  
3121, 3122, 3123, 3239, 3240,  
3241, 3242, 3243, 3244, 3245,  
3246, 3247, 3248, 3249, 3250,  
3251, 3252, 3253, 3254, 3255,  
3256, 3257, 3258, 3259, 3260,  
3261, 3262, 3263, 3264, 3265,  
3266, 3267, 3268, 3269, 3270,  
3271, 3272, 3273, 3274, 3275,  
3276, 3277, 3278, 3279, 3280,  
3281, 3282, 3283, 3284, 3285,  
3286, 3287, 3288, 3289, 3290,  
3291, 3292, 3293, 3294, 3295,  
3296, 3297, 3298, 3299, 3300,  
3301, 3302, 3303, 3304, 3305,  
3306, 3307, 3308, 3309, 3310,  
3311, 3312, 3313, 3314, 3315,  
3316, 3317, 3318, 3319, 3320,  
3321, 3322, 3323, 3324, 3325,  
3326, 3327, 3328, 3329, 3330,  
3331, 3332, 3333, 3334, 3335,  
3336, 3337, 3338, 3339, 3340,  
3341, 3342, 3343, 3344, 3345,  
3346, 3347, 3348, 3349, 3350,  
3351, 3352, 3353, 3354, 3355,  
3356, 3357, 3358, 3359, 3360,  
3361, 3362, 3363, 3364, 3398,  
3399, 3400, 3401, 3402, 3403,  
3404, 3405, 3406, 3407, 3408,  
3409, 3410, 3411, 3412, 3413,  
3414, 3415, 3416, 3417, 3418,  
3419, 3420, 3421, 3422, 3423,  
3424, 3425, 3426, 3427, 3428,  
3429, 3430, 3431, 3432, 3433,  
3434, 3435, 3436, 3437, 3438,  
3439, 3440, 3441, 3442, 3443,  
3444, 3445, 3446, 3447, 3448,  
3449, 3450, 3451, 3452, 3453,  
3454, 3455, 3456, 3457, 3458,  
3459, 3460, 3461, 3462, 3463,  
3464, 3465, 3466, 3467, 3468,  
3469, 3470, 3471, 3472, 3473,  
3474, 3475, 3476, 3477, 3478,  
3479, 3480, 3481, 3482, 3483,  
3484, 3485, 3486, 3487, 3488,  
3489, 3490, 3491, 3492, 3493,  
3494, 3495, 3496, 3497, 3498,  
3499, 3500, 3501, 3502, 3503,  
3504, 3505, 3506, 3507, 3508,  
3509, 3510, 3511, 3512, 3513,  
3514, 3515, 3516, 3517, 3518,  
3519, 3520, 3521, 3522, 3523,  
3524, 3525, 3575, 3576, 3577,  
3578, 3579, 3580, 3581, 3582,  
3583, 3584, 3585, 3586, 3587,  
3588, 3589, 3590, 3591, 3592,  
3593, 3594, 3595, 3596, 3597,  
3598, 3599, 3600, 3601, 3602,  
3603, 3604, 3605, 3606, 3607,  
3608, 3609, 3610, 3611, 3612,  
3613, 3614, 3615, 3616, 3617,  
3618, 3619, 3620, 3621, 3622,  
3623, 3624, 3625, 3626, 3627,  
3628, 3629, 3630, 3631, 3632,  
3633, 3634, 3635, 3636, 3637,  
3638, 3639, 3640, 3641, 3642,  
3643, 3644, 3645, 3646, 3647,  
3648, 3649, 3650, 3651, 3652,  
3653, 3654, 3655, 3656, 3657,  
3658, 3659, 3660, 3661, 3662,  
3663, 3664, 3665, 3666, 3667,  
3668, 3669, 3670, 3671, 3672,  
3673, 3674, 3675, 3676, 3677,  
3678, 3679, 3680, 3681, 3682,  
3683, 3684, 3685, 3686, 3687,  
3688, 3689, 3690, 3691, 3692,  
3693, 3694, 3695, 3696, 3697,  
3740, 3741, 3742, 3743, 3744,  
3745, 3746, 3747, 3748, 3749,  
3750, 3751, 3752, 3753, 3754,  
3755, 3756, 3757, 3758, 3759,  
3760, 3761, 3762, 3763, 3764,  
3765, 3766, 3767, 3768, 3769,  
3770, 3771, 3772, 3773, 3774,  
3775, 3776, 3777, 3778, 3779,  
3780, 3781, 3782, 3783, 3784,  
3785, 3786, 3787, 3788, 3789,  
3790, 3791, 3792, 3793, 3794,  
3795, 3796, 3797, 3798, 3799,  
3800, 3801, 3802, 3803, 3804,  
3805, 3806, 3807, 3808, 3809,  
3810, 3811, 3812, 3813, 3814,  
3815, 3816, 3817, 3818, 3819,  
3820, 3821, 3822, 3823, 3824,  
3825, 3826, 3827, 3828, 3829,  
3830, 3831, 3832, 3833, 3834,  
3835, 3836, 3837, 3838, 3839,  
3840, 3841, 3842, 3843, 3844,  
3845, 3846, 3847, 3848, 3849,  
3850, 3851, 3852, 3853, 3854,  
3855, 3856, 3857, 3858, 3859,  
3860, 3861, 3862, 3863, 3864,  
3865, 3866, 3937, 3938, 3939,  
3940, 3941, 3942, 3943, 3944,  
3945, 3946, 3947, 3948, 3949,  
3950, 3951, 3952, 3953, 3954,  
3955, 3956, 3957, 3958, 3959,  
3960, 3961, 3962, 3963, 3964,  
3965, 3966, 3967, 3968, 3969,  
3970, 3971, 3972, 3973, 3974,  
3975, 3976, 3977, 3978, 3979,  
3980, 3981, 3982, 3983, 3984,

3985, 3986, 3987, 3988, 3989,  
3990, 3991, 3992, 3993, 3994,  
3995, 3996, 3997, 3998, 3999,  
4000, 4001, 4002, 4003, 4004,  
4005, 4006, 4007, 4008, 4009,  
4010, 4011, 4012, 4013, 4014,  
4015, 4016, 4017, 4018, 4019,  
4020, 4021, 4022, 4023, 4024,  
4025, 4026, 4027, 4028, 4029,  
4030, 4031, 4032, 4033, 4034,  
4035, 4036, 4037, 4038, 4039,  
4040, 4041, 4042, 4043, 4044,  
4045, 4046, 4047, 4048, 4049,  
4050, 4051, 4052, 4053, 4054,  
4055, 4056, 4057, 4058, 4059,  
4127, 4128, 4129, 4130, 4131,  
4132, 4133, 4134, 4135, 4136,  
4137, 4138, 4139, 4140, 4141,  
4142, 4143, 4144, 4145, 4146,  
4147, 4148, 4149, 4150, 4151,  
4152, 4153, 4154, 4155, 4156,  
4157, 4158, 4159, 4160, 4161,  
4162, 4163, 4164, 4165, 4166,  
4167, 4168, 4169, 4170, 4171,  
4172, 4173, 4174, 4175, 4176,  
4177, 4178, 4179, 4180, 4181,  
4182, 4183, 4184, 4185, 4186,  
4187, 4188, 4189, 4190, 4191,  
4192, 4193, 4194, 4195, 4196,  
4197, 4198, 4199, 4200, 4201,  
4202, 4203, 4204, 4272, 4273,  
4274, 4275, 4276, 4277, 4278,  
4279, 4280, 4281, 4282, 4283,  
4284, 4285, 4286, 4287, 4288,  
4289, 4290, 4291, 4292, 4293,  
4294, 4295, 4296, 4297, 4298,  
4299, 4300, 4301, 4302, 4303,  
4304, 4305, 4306, 4307, 4308,  
4309, 4310, 4311, 4312, 4313,  
4314, 4315, 4316, 4317, 4318,  
4319, 4320, 4321, 4322, 4323,  
4324, 4325, 4326, 4327, 4328,  
4329, 4330, 4331, 4332, 4333,  
4334, 4335, 4336, 4337, 4338,  
4339, 4340, 4341, 4342, 4343,  
4344, 4345, 4346, 4347, 4348,  
4349, 4350, 4351, 4352, 4353,  
4354, 4355, 4356, 4357, 4358,  
4359, 4360, 4361, 4362, 4363,  
4364, 4365, 4366, 4367, 4368,  
4369, 4370, 4371, 4372, 4373,  
4374, 4375, 4376, 4377, 4378,  
4379, 4380, 4381, 4382, 4383,  
4384, 4385, 4386, 4387, 4428,  
4429, 4430, 4431, 4432, 4433,  
4434, 4435, 4436, 4437, 4438,  
4439, 4440, 4441, 4442, 4443,  
4444, 4445, 4446, 4447, 4448,  
4449, 4450, 4451, 4452, 4453,  
4454, 4455, 4456, 4457, 4458,  
4459, 4460, 4461, 4462, 4463,  
4464, 4465, 4466, 4467, 4468,  
4469, 4470, 4471, 4472, 4473,  
4474, 4475, 4476, 4477, 4478,  
4479, 4480, 4481, 4482, 4483,  
4484, 4485, 4486, 4487, 4488,  
4489, 4490, 4491, 4492, 4493,  
4494, 4495, 4496, 4497, 4498,  
4499, 4500, 4501, 4502, 4503,  
4504, 4505, 4506, 4507, 4508,  
4540, 4541, 4542, 4543, 4544,  
4545, 4546, 4547, 4548, 4549,  
4550, 4551, 4552, 4553, 4554,  
4555, 4556, 4557, 4558, 4559,  
4560, 4561, 4562, 4563, 4564,  
4565, 4566, 4567, 4568, 4569,  
4570, 4571, 4572, 4573, 4574,  
4575, 4576, 4577, 4578, 4579,  
4580, 4581, 4582, 4583, 4584,  
4585, 4586, 4587, 4588, 4589,  
4590, 4591, 4592, 4593, 4594,  
4595, 4596, 4597, 4598, 4599,  
4600, 4601, 4602, 4603, 4604,  
4605, 4606, 4607, 4608, 4609,  
4610, 4611, 4612, 4613, 4614,  
4615, 4616, 4617, 4618, 4619,  
4620, 4621, 4622, 4623, 4624,  
4625, 4626, 4627, 4628, 4629,  
4630, 4631, 4632, 4633, 4634,  
4635, 4636, 4637, 4638, 4639,  
4640, 4641, 4642, 4643, 4644,  
4645, 4646, 4647, 4648, 4649,  
4650, 4651, 4652, 4653, 4654,  
4655, 4656, 4657, 4658, 4659,  
4660, 4661, 4662, 4663, 4664,  
4665, 4712, 4713, 4714, 4715,  
4716, 4717, 4718, 4719, 4720,  
4721, 4722, 4723, 4724, 4725,  
4726, 4727, 4728, 4729, 4730,  
4731, 4732, 4733, 4734, 4735,  
4736, 4737, 4738, 4739, 4740,  
4741, 4742, 4743, 4744, 4745,  
4746, 4747, 4748, 4749, 4750,  
4751, 4752, 4753, 4754, 4755,  
4756, 4757, 4758, 4759, 4760,  
4761, 4762, 4763, 4764, 4765,  
4766, 4767, 4768, 4769, 4770,  
4771, 4772, 4773, 4774, 4775,  
4776, 4777, 4778, 4779, 4780,  
4781, 4782, 4783, 4784, 4785,  
4786, 4787, 4788, 4789, 4790,  
4791, 4792, 4793, 4794, 4795,  
4796, 4797, 4798, 4799, 4800,  
4801, 4802, 4803, 4804, 4805,  
4806, 4807, 4808, 4809, 4810,  
4811, 4812, 4813, 4814, 4815,  
4816, 4817, 4818, 4819, 4820,  
4821, 4822, 4823, 4824, 4825,  
4826, 4827, 4828, 4829, 4830,  
4831, 4832, 4833, 4834, 4835,  
4836, 4837, 4838, 4839, 4903,  
4904, 4905, 4906, 4907, 4908,  
4909, 4910, 4911, 4912, 4913,  
4914, 4915, 4916, 4917, 4918,

4919, 4920, 4921, 4922, 4923,  
4924, 4925, 4926, 4927, 4928,  
4929, 4930, 4931, 4932, 4933,  
4934, 4935, 4936, 4937, 4938,  
4939, 4940, 4941, 4942, 4943,  
4944, 4945, 4946, 4947, 4948,  
4949, 4950, 4951, 4952, 4953,  
4954, 4955, 4956, 4957, 4958,  
4959, 4960, 4961, 4962, 4963,  
4964, 4965, 4966, 4967, 4968,  
4969, 4970, 4971, 4972, 4973,  
4974, 4975, 4976, 4977, 4978,  
4979, 4980, 4981, 4982, 4983,  
4984, 4985, 4986, 4987, 4988,  
4989, 4990, 4991, 4992, 4993,  
4994, 4995, 4996, 4997, 4998,  
4999, 5000, 5001, 5002, 5003,  
5004, 5005, 5006, 5007, 5008,  
5009, 5010, 5011, 5012, 5013,  
5014, 5015, 5016, 5017, 5018,  
5019, 5020, 5021, 5022, 5023,  
5024, 5025, 5026, 5027, 5028,  
5029, 5030, 5128, 5129, 5130,  
5131, 5132, 5133, 5134, 5135,  
5136, 5137, 5138, 5139, 5140,  
5141, 5142, 5143, 5144, 5145,  
5146, 5147, 5148, 5149, 5150,  
5151, 5152, 5153, 5154, 5155,  
5156, 5157, 5158, 5159, 5160,  
5161, 5162, 5163, 5164, 5165,  
5166, 5167, 5168, 5169, 5170,  
5171, 5172, 5173, 5174, 5175,  
5176, 5177, 5178, 5179, 5180,  
5181, 5182, 5183, 5184, 5185,  
5186, 5187, 5188, 5189, 5190,  
5191, 5192, 5193, 5194, 5195,  
5196, 5197, 5198, 5199, 5200,  
5201, 5202, 5203, 5204, 5205,  
5206, 5207, 5208, 5209, 5210,  
5211, 5212, 5213, 5214, 5215,  
5216, 5217, 5218, 5219, 5220,  
5221, 5222, 5223, 5224, 5225,  
5226, 5227, 5228, 5229, 5230,  
5231, 5232, 5233, 5234, 5235,  
5236, 5237, 5238, 5239, 5240,  
5241, 5242, 5243, 5244, 5245,  
5246, 5247, 5248, 5249, 5250,  
5251, 5252, 5253, 5254, 5334,  
5335, 5336, 5337, 5338, 5339,  
5340, 5341, 5342, 5343, 5344,  
5345, 5346, 5347, 5348, 5349,  
5350, 5351, 5352, 5353, 5354,  
5355, 5356, 5357, 5358, 5359,  
5360, 5361, 5362, 5363, 5364,  
5365, 5366, 5367, 5368, 5369,  
5370, 5371, 5372, 5373, 5374,  
5375, 5376, 5377, 5378, 5379,  
5380, 5381, 5382, 5383, 5384,  
5385, 5386, 5387, 5388, 5389,  
5390, 5391, 5392, 5393, 5394,  
5395, 5396, 5397, 5398, 5399,  
5400, 5401, 5402, 5403, 5404,  
5405, 5406, 5407, 5408, 5409,  
5410, 5411, 5412, 5413, 5414,  
5415, 5416, 5417, 5418, 5419,  
5420, 5421, 5422, 5423, 5424,  
5425, 5426, 5427, 5428, 5429,  
5430, 5431, 5432, 5433, 5434,  
5435, 5436, 5437, 5438, 5439,  
5440, 5441, 5442, 5443, 5444,  
5445, 5446, 5447, 5448, 5449,  
5450, 5451, 5452, 5453, 5454,  
5455, 5456, 5457, 5458, 5459, 5466  
\DeclareMathMeaning . . . . .  
. . . . . 5728, 5729, 5730, 5731,  
5732, 5733, 5734, 5735, 5736,  
5737, 5738, 5739, 5740, 5741,  
5742, 5743, 5744, 5745, 5746,  
5747, 5748, 5749, 5750, 5751,  
5752, 5753, 5754, 5755, 5756,  
5757, 5758, 5759, 5760, 5761,  
5762, 5763, 5764, 5765, 5766,  
5767, 5768, 5769, 5770, 5771,  
5772, 5773, 5774, 5775, 5776,  
5777, 5778, 5779, 5780, 5781,  
5782, 5783, 5784, 5785, 5786,  
5787, 5788, 5789, 5790, 5791, 5792  
\DeclareOption . . . . . 103, 105  
\DeclareTextAccentDefault . . . . . 5800  
\DeclareTextCommandDefault . . . . . 5801  
\DeclareTextSymbolDefault . . . . . 5802  
\DeclareUnicodeCharacter . . . . .  
. 5471, 5472, 5473, 5474, 5475,  
5476, 5477, 5478, 5479, 5480,  
5481, 5482, 5483, 5484, 5485,  
5486, 5487, 5488, 5489, 5490,  
5491, 5492, 5493, 5494, 5495,  
5496, 5497, 5498, 5499, 5500,  
5501, 5502, 5503, 5504, 5505,  
5506, 5507, 5508, 5509, 5510,  
5511, 5512, 5513, 5514, 5515,  
5516, 5517, 5518, 5519, 5520,  
5521, 5522, 5523, 5524, 5525,  
5526, 5527, 5528, 5529, 5530,  
5531, 5532, 5533, 5534, 5535,  
5536, 5537, 5538, 5539, 5540,  
5541, 5542, 5543, 5544, 5545,  
5546, 5547, 5548, 5549, 5550,  
5551, 5552, 5553, 5554, 5555,  
5556, 5557, 5558, 5559, 5560,  
5561, 5562, 5563, 5564, 5565,  
5566, 5567, 5568, 5569, 5570,  
5571, 5572, 5573, 5574, 5575,  
5576, 5577, 5578, 5579, 5580,  
5581, 5582, 5583, 5584, 5585,  
5586, 5587, 5588, 5589, 5590,  
5591, 5592, 5593, 5594, 5595,  
5596, 5597, 5598, 5599, 5600,  
5601, 5602, 5603, 5604, 5605,  
5606, 5607, 5608, 5609, 5610,  
5611, 5612, 5613, 5614, 5615,  
5616, 5617, 5618, 5619, 5620,  
5621, 5622, 5623, 5624, 5625,  
5626, 5627, 5628, 5629, 5630,

5631, 5632, 5633, 5634, 5635,	2976, 2979, 2982, 2985, 2988,
5636, 5637, 5638, 5639, 5640,	2991, 3132, 3135, 3138, 3141,
5641, 5642, 5643, 5644, 5645,	3144, 3147, 3150, 3159, 3162,
5646, 5647, 5648, 5649, 5650,	3168, 3171, 3177, 3180, 3183,
5651, 5652, 5653, 5654, 5655,	3186, 3189, 3192, 3195, 3198,
5656, 5657, 5658, 5659, 5660,	3201, 3207, 3210, 3213, 3223,
5661, 5662, 5663, 5664, 5665,	3228, 3231, 3234, 3237, 3379,
5666, 5667, 5668, 5669, 5670,	3396, 3555, 3564, 3567, 3570,
5671, 5672, 5673, 5674, 5675,	3573, 3712, 3718, 3721, 3738,
5676, 5677, 5678, 5679, 5680,	3893, 3905, 3908, 3911, 3914,
5681, 5682, 5683, 5684, 5685,	3917, 3920, 3923, 3926, 3929,
5686, 5687, 5688, 5689, 5690,	3932, 4083, 4095, 4098, 4101,
5691, 5692, 5693, 5694, 5695,	4104, 4107, 4110, 4113, 4116,
5696, 5697, 5698, 5699, 5700,	4119, 4122, 4234, 4243, 4246,
5701, 5702, 5703, 5704, 5705, 5706	4249, 4252, 4255, 4258, 4261,
$\Delta$ . . . . . 4689, 4866, 5084, 5753	4264, 4267, 4270, 4402, 4405,
$\delta$ . . . . . 319, 2172, 3162, 5741	4408, 4411, 4414, 4417, 4420,
$\Delta H$ . . . . . 637, 1567,	4423, 4517, 4523, 4529, 4532,
1960, 2541, 3077, 4012, 5350, 5817	4535, 4538, 4680, 4686, 4689,
$\delta h$ . . . . . 669, 1599,	4692, 4695, 4698, 4701, 4704,
1992, 2540, 3076, 4044, 5436, 5833	4707, 4710, 4848, 4851, 4863,
$\diamond$ . . . . . 4698, 5099, 5762	4866, 4869, 4872, 4875, 4878,
$\div$ . . . . . 5747	4881, 4898, 4901, 5039, 5045,
$\DJ$ . . . . . 767,	5066, 5081, 5084, 5087, 5090,
1038, 1528, 2086, 2709, 3650, 5818	5093, 5096, 5099, 5102, 5105,
$\dj$ . . . . . 799,	5108, 5111, 5114, 5117, 5120,
1070, 1544, 2118, 2708, 3682, 5834	5123, 5302, 5305, 5308, 5311,
$\do$ . . . . . 114, 128	5314, 5317, 5320, 5323, 5326, 5329
$\downarrow$ . . . . . 5748	$\equiv$ . . . . . 328, 2181, 3171, 5744
$\dp$ . . . . . 1232, 2410, 2943	
	<b>F</b>
<b>E</b>	$\text{\fontsize}$ . . . . .
$\endcsname$ . . . . . 38, 43, 64, 90, 240, 245	1097, 2022, 2773, 3385, 3727, 4887
$\endinput$ . . . . . 91	$\frac$ . . . . . 355, 358, 563, 566, 575, 850,
$\endlinechar$ . . . . . 73, 79	1253, 1256, 1265, 1375, 1378,
$\ensurermath$ . . . . .	1387, 1644, 1647, 1656, 2208,
. 274, 277, 280, 283, 286, 289,	2211, 2434, 2437, 2446, 2970,
292, 304, 307, 313, 316, 319,	2973, 2982, 3198, 3201, 3911,
325, 328, 334, 337, 340, 343,	3914, 3923, 4101, 4104, 4113,
346, 349, 352, 355, 358, 361,	4249, 4252, 4261, 4408, 4411,
364, 367, 377, 382, 385, 388,	5308, 5311, 5320, 5768, 5769, 5789
391, 394, 551, 557, 560, 563,	
566, 569, 572, 575, 578, 581,	<b>G</b>
584, 711, 717, 835, 847, 850,	$\g@addto@macro$ . . . . . 134, 137
853, 856, 859, 976, 985, 1241,	$\Gamma$ . . . . . 274, 2142, 3132, 5751
1247, 1250, 1253, 1256, 1259,	$\geq$ . . . . . 334, 2187,
1262, 1265, 1268, 1271, 1274,	3177, 4529, 4686, 4863, 5081, 5752
1363, 1369, 1372, 1375, 1378,	$\guillemotleft$ . . . . . 445, 600, 1289,
1381, 1384, 1387, 1390, 1393,	1412, 1678, 1923, 2049, 2298,
1396, 1508, 1632, 1638, 1641,	2506, 2674, 2829, 3042, 3285,
1644, 1647, 1650, 1653, 1656,	3613, 3782, 3975, 4157, 4303,
1659, 1662, 1665, 1880, 1889,	4436, 4783, 4974, 5199, 5377, 5835
1892, 1895, 1898, 1901, 1904,	$\guillemotright$ . . . . . 446, 616,
1907, 2030, 2036, 2142, 2145,	1305, 1428, 1694, 1939, 2065,
2148, 2151, 2154, 2157, 2160,	2299, 2507, 2675, 2830, 3043,
2169, 2172, 2178, 2181, 2187,	3629, 3798, 3991, 4173, 4319,
2190, 2193, 2196, 2199, 2202,	4446, 4784, 4975, 5200, 5393, 5836
2205, 2208, 2211, 2217, 2220,	$\guilsinglleft$ . . . . . 3583, 3751, 3947,
2223, 2233, 2238, 2241, 2244,	4136, 4279, 4804, 5220, 5378, 5837
2247, 2419, 2428, 2431, 2434,	$\guilsinglright$ . . . . . 3597, 3766, 3960,
2437, 2440, 2443, 2446, 2449,	4146, 4291, 4805, 5221, 5379, 5838
2452, 2455, 2617, 2623, 2626,	
2952, 2964, 2967, 2970, 2973,	<b>H</b>
	$H$ . . . . . 693, 772, 778, 804, 810,

2091, 2094, 2123, 2126, 2596, 2638, 2639, 2735, 2751, 3534, 3655, 3661, 3687, 3693, 4788, 4790, 4828, 4829, 5042, 5263, 5819	\IEX@SaveFileCatcodes . . . . . 18, 147
\hbox 1101, 2020, 2777, 3389, 3731, 4891	\IEX@SetFileCatcodes . . . . . 7, 72, 148
\hebalef . . . . . 465, 1310, 4178, 5606	\IEX@temp 83, 84, 85, 86, 87, 88, 90, 94
\hebayin . . . . . 480, 1328, 4196, 5624	\ifdim . . . . . 1232, 2410, 2943
\hebbet . . . . . 466, 1311, 4179, 5607	\ifFileExists . . . . . 52, 74, 88, 168
\hebdalet . . . . . 468, 1313, 4181, 5609	\ifIEX@math . . . . . 102, 166
\hebfinalkaf . . . . . 488, 1320, 4188, 5616	\ifnum . . . . . 258
\hebfinalmem . . . . . 489, 1323, 4191, 5619	\ifx . 45, 85, 106, 116, 119, 145, 151, 156
\hebfinalnun . . . . . 487, 1325, 4193, 5621	\IJ . . . . . 464, 5820
\hebfinalpe . . . . . 490, 1329, 4197, 5625	\ij . . . . . 463, 5840
\hebfinaltsadi . . . . . 491, 1331, 4199, 5627	\in . . . . . 325, 5749
\hebgimel . . . . . 467, 1312, 4180, 5608	\infty . 337, 2190, 3180, 4869, 5087, 5754
\hebhe . . . . . 469, 1314, 4182, 5610	\input . . . . . 75, 77, 169, 171
\hebbet . . . . . 472, 1317, 4185, 5613	\InputEncoding . . . . . 5, 139
\hebkaf . . . . . 475, 1321, 4189, 5617	\inputencoding . . . . . 129, 149
\heblamed . . . . . 476, 1322, 4190, 5618	\InputEncodingNameOld . . . . . 6, 140
\hebmemb . . . . . 477, 1324, 4192, 5620	\InputEncodingNew . . . . . 142, 144
\hebnun . . . . . 478, 1326, 4194, 5622	\InputEncodingOptionOld . . . . . 141
\hebpe . . . . . 481, 1330, 4198, 5626	\InputenxAlias 82, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235
\hebpqf . . . . . 483, 1333, 4201, 5629	\int . . . . . 5090, 5755
\hebresh . . . . . 484, 1334, 4202, 5630	\IPX@VerbatimLoop . . . . . . . . . . 248, 262, 263, 264, 265
\hebsamekh . . . . . 479, 1327, 4195, 5623	<b>J</b>
\hebshin . . . . . 485, 1335, 4203, 5631	\j . . . . . 887, 5500, 5542, 5558, 5841
\hebtav . . . . . 486, 1336, 4204, 5632	<b>K</b>
\hebtet . . . . . 473, 1318, 4186, 5614	\k . . . . . 720, 736, 737, 761, 793, 991, 1007, 1008, 1029, 1032, 1047, 1061, 1064, 1079, 1520, 1536, 1558, 1561, 1576, 1590, 1593, 1608, 1699, 1700, 1705, 1723, 1731, 1732, 1737, 1755, 2039, 2040, 2099, 2131, 2664, 2665, 2668, 2669, 2742, 3607, 3620, 3627, 3644, 3676, 4293, 4324, 4325, 4330, 4348, 4356, 4357, 4362, 4380, 4716, 4720, 4746, 4755, 4759, 4760, 4830, 4831, 5253, 5412, 5497, 5498, 5522, 5523, 5588, 5842
\hechtsadi . . . . . 482, 1332, 4200, 5628	\kern . . . . . 1511
\hebvav . . . . . 470, 1315, 4183, 5611	<b>L</b>
\hebyod . . . . . 474, 1319, 4187, 5615	\L . . . . . 722, 1724, 2041, 2657, 3605, 4349, 4836, 5438, 5821
\hebzayin . . . . . 471, 1316, 4184, 5612	\l . . . . . 738, 1756, 2057, 2636, 3621, 4381, 4768, 5454, 5843
\hidewidth . . . . . 2019, 2025	\langle . . . . . 5757
\hline . . . . 1103, 2779, 3391, 3733, 4893	\lbracket . . . . . 5745
\hmode@bgroup . . . . . 2016	\leavevmode . . . . . 1231, 2409, 2942
<b>I</b>	\leftarrow . . . . . 5758
\i . . . . . 410, 411, 412, 432, 665, 666, 667, 668, 796, 797, 884, 931, 932, 933, 934, 1011, 1067, 1068, 1069, 1477, 1478, 1479, 1480, 1494, 1539, 1540, 1596, 1597, 1598, 1745, 1846, 1847, 1848, 1849, 1988, 1989, 1990, 1991, 2114, 2115, 2116, 2117, 2263, 2264, 2265, 2285, 2471, 2472, 2473, 2493, 2545, 2640, 2661, 3007, 3008, 3009, 3029, 3250, 3251, 3252, 3272, 3679, 3680, 4040, 4041, 4042, 4043, 4370, 4492, 4493, 4494, 4495, 4730, 4764, 5146, 5147, 5148, 5149, 5244, 5430, 5432, 5434, 5435, 5451, 5494, 5496, 5531, 5839	\leq . . . . . 343, 2196, 3186, 4532, 4692, 4872, 5093, 5759
\IEX@AfterHook . . . . . 132, 137, 164	
\IEX@BeforeHook . . . . . 131, 134, 143	
\IEX@DoLookup . . . . . 40, 70	
\IEX@enclist . . . . . 104, 106, 107, 109, 114	
\IEX@LookupEncoding . . . . . 32, 115, 144	
\IEX@mathtrue . . . . . 103	
\IEX@Option . . . . . 128, 129	
\IEX@OptionList 113, 118, 119, 121, 128	
\IEX@RestoreFileCatcodes . . . . 18, 150	

<code>\LICRcmd</code> . . . . .	5798, 5809, 5810, 5811, 5812, 5813, 5814, 5815, 5816, 5817, 5818, 5819, 5820, 5821, 5822, 5823, 5824, 5825, 5826, 5827, 5828, 5829, 5830, 5831, 5832, 5833, 5834, 5835, 5836, 5837, 5838, 5839, 5840, 5841, 5842, 5843, 5844, 5845, 5846, 5847, 5848, 5849, 5850, 5851, 5852, 5853, 5854, 5855, 5856, 5857, 5858, 5859, 5860, 5861, 5862, 5863, 5864, 5865, 5866, 5867, 5868, 5869, 5870, 5871, 5872, 5873, 5874, 5875, 5876, 5877, 5878, 5879, 5880, 5881, 5882, 5883, 5884, 5885, 5886, 5887, 5888, 5889, 5890, 5891, 5892, 5893, 5894, 5895, 5896, 5897	<code>\null</code> . . . . .	2018
<b>O</b>			
<code>\O</code> . . . . .	449, 645, 1046, 1457, 1575, 1675, 1826, 1968, 2489, 3025, 3268, 4020, 4300, 4473, 5175, 5439, 5823	<code>\o</code> . . . . .	450, 677, 1078, 1489, 1607, 1691, 1858, 2000, 2487, 3023, 3266, 4052, 4316, 4503, 5191, 5455, 5846
<code>\OE</code> . . . . .	452, 1940, 2066, 3948, 4472, 5206, 5440, 5824	<code>\oe</code> . . . . .	451, 1941, 2067, 3961, 4502, 5207, 5456, 5847
<code>\oint</code> . . . . .	313, 5735	<code>\Omega</code> . . . . .	277, 2145, 3135, 5039, 5766, 5767
<code>\oalign</code> . . . . .	1100, 2017, 2776, 3388, 3730, 4890		
<b>P</b>			
<code>\PackageError</code> . . . . .	58	<code>\PackageInfo</code> . . . . .	53
<code>\PackageWarning</code> . . . . .	46, 93	<code>\partial</code> . . . . .	4704, 5108, 5773
<code>\PassOptionsToPackage</code> . . . . .	151, 153, 158	<code>\Phi</code> . . . . .	280, 2148, 3138, 5774
<code>\Phi</code> . . . . .	280, 2148, 3138, 5774	<code>\phi</code> . . . . .	361, 2217, 3207, 5775
<code>\pi</code> . . . . .	364, 2220, 3210, 5111, 5776	<code>\Pi</code> . . . . .	5117
<code>\pm</code> . . . . .	367, 572, 1262, 1384, 1653, 1898, 2036, 2223, 2443, 2979, 3213, 3570, 3738, 3920, 4110, 4258, 4417, 4898, 5114, 5317	<code>\ProcessOptions</code> . . . . .	112
<code>\prod</code> . . . . .	5777	<code>\providecommand</code> . . . . .	5, 6
<code>\ProvidesFile</code> . . . . .	176, 238, 243, 269, 528, 688, 818, 953, 1089, 1206, 1340, 1500, 1618, 1766, 1869, 2011, 2137, 2381, 2591, 2759, 2914, 3127, 3368, 3529, 3701, 3870, 4063, 4208, 4391, 4512, 4669, 4843, 5034, 5258, 5469, 5709, 5713, 5717, 5724	<code>\ProvidesPackage</code> . . . . .	3
<code>\ProvidesTextCommandDefault</code> . . . . .	273, 276, 279, 282, 285, 288, 291, 294, 297, 300, 303, 306, 309, 312, 315, 318, 321, 324, 327, 330, 333, 336, 339, 342, 345, 348, 351, 354, 357, 360, 363, 366, 369, 381, 384, 387, 390, 393, 396, 532, 535, 538, 541, 544, 547, 550, 553, 556, 559, 562, 565, 568, 571, 574, 577, 580, 583, 586, 692, 695, 698, 701, 704, 707, 710, 713, 716, 822, 825, 828, 831, 834, 837, 840, 843, 846, 849, 852, 855, 858, 957, 960, 963, 966, 969, 972, 975, 978, 981, 984, 987, 1093, 1210, 1213, 1216, 1219, 1222, 1225, 1228, 1240, 1243, 1246, 1249,		
<b>M</b>			
<code>\makeatletter</code> . . . . .	247, 272, 531, 691, 821, 956, 1092, 1209, 1343, 1503, 1621, 1769, 1872, 2014, 2140, 2384, 2594, 2762, 2917, 3130, 3371, 3532, 3704, 3873, 4066, 4211, 4394, 4515, 4672, 4846, 5037, 5261, 5720, 5727		
<code>\math@fontsfalse</code> . . . . .	1098, 2023, 2774, 3386, 3728, 4888		
<code>\mathdollar</code> . . . . .	5742		
<code>\mathellipsis</code> . . . . .	5750		
<code>\mathpalette</code> . . . . .	377, 2233, 3223		
<code>\mathparagraph</code> . . . . .	5772		
<code>\mathsection</code> . . . . .	5781		
<code>\mathsterling</code> . . . . .	5784		
<code>\mbox</code> . . . . .	1511		
<code>\MessageBreak</code> . . . . .	48, 54, 55, 59, 60, 94, 96		
<code>\mu</code> . . . . .	349, 560, 847, 1250, 1372, 1641, 1892, 2202, 2431, 2967, 3192, 3567, 3721, 3908, 4098, 4246, 4405, 4878, 5102, 5305, 5763		
<b>N</b>			
<code>\NeedsTeXFormat</code> . . . . .	2		
<code>\neq</code> . . . . .	4701, 4881, 5105, 5764		
<code>\newcommand</code> . . . . .	133, 136, 139		
<code>\newif</code> . . . . .	102		
<code>\nfss@text</code> . . . . .	5736, 5779		
<code>\NG</code> . . . . .	1019, 1534, 5822		
<code>\ng</code> . . . . .	1021, 1550, 5844		
<code>\nobreakspace</code> . . . . .	589, 719, 861, 990, 1107, 1279, 1401, 1519, 1667, 1770, 1912, 2038, 2377, 2587, 2755, 2910, 3123, 3364, 3525, 3602, 3771, 3964, 4147, 4294, 4565, 4786, 4977, 5202, 5334, 5471, 5845		

1252, 1255, 1258, 1261, 1264,  
1267, 1270, 1273, 1276, 1344,  
1347, 1350, 1353, 1356, 1359,  
1362, 1365, 1368, 1371, 1374,  
1377, 1380, 1383, 1386, 1389,  
1392, 1395, 1398, 1504, 1507,  
1510, 1513, 1516, 1622, 1625,  
1628, 1631, 1634, 1637, 1640,  
1643, 1646, 1649, 1652, 1655,  
1658, 1661, 1664, 1873, 1876,  
1879, 1882, 1885, 1888, 1891,  
1894, 1897, 1900, 1903, 1906,  
1909, 2015, 2029, 2032, 2035,  
2141, 2144, 2147, 2150, 2153,  
2156, 2159, 2162, 2165, 2168,  
2171, 2174, 2177, 2180, 2183,  
2186, 2189, 2192, 2195, 2198,  
2201, 2204, 2207, 2210, 2213,  
2216, 2219, 2222, 2225, 2237,  
2240, 2243, 2246, 2249, 2385,  
2388, 2391, 2394, 2397, 2400,  
2403, 2406, 2418, 2421, 2424,  
2427, 2430, 2433, 2436, 2439,  
2442, 2445, 2448, 2451, 2454,  
2457, 2595, 2598, 2601, 2604,  
2607, 2610, 2613, 2616, 2619,  
2622, 2625, 2763, 2766, 2769,  
2918, 2921, 2924, 2927, 2930,  
2933, 2936, 2939, 2951, 2954,  
2957, 2960, 2963, 2966, 2969,  
2972, 2975, 2978, 2981, 2984,  
2987, 2990, 2993, 3131, 3134,  
3137, 3140, 3143, 3146, 3149,  
3152, 3155, 3158, 3161, 3164,  
3167, 3170, 3173, 3176, 3179,  
3182, 3185, 3188, 3191, 3194,  
3197, 3200, 3203, 3206, 3209,  
3212, 3215, 3227, 3230, 3233,  
3236, 3372, 3375, 3378, 3381,  
3395, 3533, 3536, 3539, 3542,  
3545, 3548, 3551, 3554, 3557,  
3560, 3563, 3566, 3569, 3572,  
3705, 3708, 3711, 3714, 3717,  
3720, 3723, 3737, 3874, 3877,  
3880, 3883, 3886, 3889, 3892,  
3895, 3898, 3901, 3904, 3907,  
3910, 3913, 3916, 3919, 3922,  
3925, 3928, 3931, 3934, 4067,  
4070, 4073, 4076, 4079, 4082,  
4085, 4088, 4091, 4094, 4097,  
4100, 4103, 4106, 4109, 4112,  
4115, 4118, 4121, 4124, 4212,  
4215, 4218, 4221, 4224, 4227,  
4230, 4233, 4236, 4239, 4242,  
4245, 4248, 4251, 4254, 4257,  
4260, 4263, 4266, 4269, 4395,  
4398, 4401, 4404, 4407, 4410,  
4413, 4416, 4419, 4422, 4425,  
4516, 4519, 4522, 4525, 4528,  
4531, 4534, 4537, 4673, 4676,  
4679, 4682, 4685, 4688, 4691,  
4694, 4697, 4700, 4703, 4706,  
4709, 4847, 4850, 4853, 4856,  
4859, 4862, 4865, 4868, 4871,  
4874, 4877, 4880, 4883, 4897,  
4900, 5038, 5041, 5044, 5047,  
5050, 5053, 5056, 5059, 5062,  
5065, 5068, 5071, 5074, 5077,  
5080, 5083, 5086, 5089, 5092,  
5095, 5098, 5101, 5104, 5107,  
5110, 5113, 5116, 5119, 5122,  
5125, 5262, 5265, 5268, 5271,  
5274, 5277, 5280, 5283, 5286,  
5289, 5292, 5295, 5298, 5301,  
5304, 5307, 5310, 5313, 5316,  
5319, 5322, 5325, 5328, 5331, 5463

**Q**

`\quotedblbase` . . . . . 1672,  
2043, 3577, 3744, 3940, 4130,  
4274, 4811, 4990, 5227, 5391, 5848

`\quotesinglbase` . . . . . 3576, 3742, 3938,  
4128, 4273, 4810, 5226, 5390, 5849

**R**

`\r` . . . . . 405, 414, 626, 658, 776,  
808, 1027, 1059, 1438, 1470,  
1556, 1588, 1704, 1736, 1807,  
1839, 1949, 1981, 2258, 2267,  
2466, 2475, 2633, 2722, 3002,  
3011, 3245, 3254, 3659, 3691,  
4001, 4033, 4329, 4361, 4455,  
4485, 4825, 4827, 5129, 5140,  
5250, 5340, 5408, 5424, 5587, 5850

`\raise` 1101, 2020, 2777, 3389, 3731, 4891

`\raisebox` . . . . .  
1233, 1235, 2411, 2413, 2944, 2946

`\rangle` . . . . . 5778

`\rbrace` . . . . . 5746

`\reflectbox` . . . . . 375, 2231, 3221

`\repeat` . . . . . 260

`\RequirePackage` . . . . . 127, 167

`\RestoreAtCatcode` . . . . .  
. 246, 266, 271, 525, 530, 685,  
690, 815, 820, 950, 955, 1086,  
1091, 1203, 1208, 1337, 1342,  
1497, 1502, 1615, 1620, 1763,  
1768, 1866, 1871, 2008, 2013,  
2134, 2139, 2378, 2383, 2588,  
2593, 2756, 2761, 2911, 2916,  
3124, 3129, 3365, 3370, 3526,  
3531, 3698, 3703, 3867, 3872,  
4060, 4065, 4205, 4210, 4388,  
4393, 4509, 4514, 4666, 4671,  
4840, 4845, 5031, 5036, 5255,  
5260, 5460, 5719, 5721, 5726, 5793

`\rightarrow` . . . . . 5780

`\rlap` 1233, 1235, 2411, 2413, 2944, 2946

**S**

`\sbox` . . . . . 1230, 2408, 2941

`\selectfont` . . . . .  
1099, 2023, 2775, 3387, 3729, 4889

`\sf@size` . . . . . 1097, 2773, 3385, 3727, 4887

`\Sigma` 283, 2151, 3141, 4707, 5120, 5782

<code>\sigma</code>	382, 2238, 3228, 5783	2763, 2909, 2927, 3122, 3152,
<code>\SS</code>	5825	3363, 3372, 3524, 4519, 4559, 5655
<code>\ss</code>	429, 652, 782, 919, 1053, 1464, 1582, 1730, 1833, 1975, 2101, 2349, 2557, 2725, 3093, 3336, 3665, 4027, 4355, 4479, 4751, 5167, 5457, 5728, 5851	<code>\textblock</code> 2343, 2551, 2719, 2874, 3087, 3330, 3489, 4553, 5701
<code>\ssf@size</code>	2022	<code>\textbraceleft</code> 5745, 5860
<code>\sum</code>	5785	<code>\textbraceright</code> 5746, 5861
<code>\surd</code>	385, 2241, 3231, 3396, 4535, 4710, 4901, 5123, 5786	<code>\textbrokenbar</code> 541, 542, 595, 1219, 1220, 1284, 1353, 1354, 1407, 1622, 1623, 1673, 2397, 2398, 2553, 2930, 2931, 3089, 3548, 3549, 3608, 3705, 3706, 3777, 3883, 3884, 3970, 4076, 4077, 4152, 4224, 4225, 4298, 5283, 5284, 5387
<b>T</b>		
<code>\t</code>	5852	<code>\textbullet</code> 518, 2371, 3358, 3519, 3592, 3761, 3954, 4141, 4287, 4560, 4749, 4940, 5165, 5389, 5642, 5733, 5862
<code>\tau</code>	388, 2244, 3234, 5787	<code>\textcap</code> 306, 493, 5645, 5734
<code>\textacutedbl</code>	692, 748, 2595, 2741, 3533, 3631, 5041, 5252, 5262, 5411	<code>\textcent</code> 309, 310, 426, 544, 545, 591, 1222, 1223, 1280, 1356, 1357, 1403, 1625, 1626, 1669, 1876, 1877, 1914, 2165, 2166, 2279, 2400, 2401, 2521, 2933, 2934, 3057, 3886, 3887, 3966, 4079, 4080, 4149, 4227, 4228, 4295, 4395, 4396, 4429, 5062, 5063, 5162, 5286, 5287, 5368
<code>\textalpha</code>	288, 495, 2156, 2348, 3146, 3335, 5594, 5729	<code>\textcircled</code> 5863
<code>\textapplelogo</code>	5463, 5464, 5466	<code>\textcommabelow</code> 2015, 2048, 2064, 2100, 2132, 5581, 5582, 5583, 5584
<code>\textapproxequal</code>	291, 516, 2159, 2369, 3149, 3356, 4516, 4562, 4847, 4972, 5044, 5197, 5649, 5730	<code>\textcompwordmark</code> 5864
<code>\textasciicute</code>	294, 457, 532, 609, 695, 739, 822, 879, 960, 1010, 1210, 1298, 1344, 1421, 2385, 2571, 2598, 2739, 2918, 3107, 3536, 3622, 3874, 3984, 4067, 4166, 4212, 4312, 5047, 5171, 5265, 5400	<code>\textcontourintegral</code> 312, 507, 5648, 5735
<code>\textasciibreve</code>	698, 721, 825, 863, 2601, 2744, 3539, 3604, 5050, 5248, 5268, 5404	<code>\textcopyright</code> 460, 598, 1287, 1410, 1676, 1779, 1921, 2047, 2516, 3052, 3611, 3780, 3973, 4155, 4301, 4434, 4601, 4753, 4944, 5169, 5366, 5736, 5865
<code>\textasciicaron</code>	701, 742, 963, 1013, 2604, 2743, 3542, 3603, 4215, 4281, 4673, 4839, 5053, 5254, 5271, 5413	<code>\textcup</code> 5737
<code>\textasciicircum</code>	3944, 4134, 5245, 5401, 5853	<code>\textcurrency</code> 547, 548, 593, 707, 708, 723, 831, 832, 865, 972, 973, 994, 1225, 1226, 1282, 1359, 1360, 1405, 1628, 1629, 1671, 2403, 2404, 2539, 2613, 2614, 2707, 2766, 2767, 2862, 2936, 2937, 3075, 3155, 3156, 3286, 3375, 3376, 3523, 3551, 3552, 3606, 3708, 3709, 3775, 3889, 3890, 3968, 4230, 4231, 4297, 4398, 4399, 4433, 5289, 5290, 5374
<code>\textasciidieresis</code>	297, 456, 535, 597, 704, 727, 828, 868, 966, 998, 1213, 1286, 1347, 1409, 2388, 2581, 2607, 2749, 2921, 3117, 3545, 3610, 3877, 3972, 4070, 4154, 4218, 4280, 4676, 4756, 5056, 5172, 5274, 5406	<code>\textdagger</code> 458, 3579, 3746, 3942, 4132, 4276, 4744, 4935, 5160, 5384, 5738, 5866
<code>\textasciigrave</code>	5277, 5399, 5585	<code>\textdaggerdbl</code> 3580, 3747, 3943, 4133, 4277, 5224, 5385, 5739, 5867
<code>\textasciimacron</code>	300, 524, 538, 604, 969, 1005, 1216, 1293, 1350, 1416, 1873, 1927, 2391, 2570, 2924, 3106, 3880, 3979, 4073, 4161, 4221, 4292, 5059, 5247, 5280, 5403	<code>\textdbllowline</code> 1228, 1309, 2406, 2574, 2939, 3110, 5634
<code>\textasciitilde</code>	3957, 4144, 5246, 5402, 5854	<code>\textdegree</code> 315, 517, 550, 605, 710, 735, 834, 875, 975, 1006, 1240, 1294, 1362, 1417, 1507, 1535, 1631, 1683, 1879, 1928, 2029, 2054, 2168, 2370,
<code>\textasteriskcentered</code>	5855	
<code>\textbackslash</code>	5856	
<code>\textbar</code>	5857	
<code>\textbardbl</code>	5731, 5858	
<code>\textbeta</code>	303, 496, 5595, 5732	
<code>\textbigcircle</code>	5859	
<code>\textblacksquare</code>	2162, 2376, 2394, 2586, 2610, 2754,	

	2418, 2580, 2616, 2748, 2951, 3116, 3158, 3357, 3378, 3518, 3554, 3618, 3711, 3787, 3892, 3980, 4082, 4162, 4233, 4308, 4401, 4437, 4522, 4566, 4679, 4745, 4850, 4936, 5065, 5161, 5740	
<code>\textdelta</code>	318, 506, 2171, 2359, 3161, 3346, 5596, 5741	<code>\texthorizontalbar</code> . . . 1510, 1548, 5633
<code>\textdiv</code>	321, 322, 515, 553, 554, 676, 713, 714, 806, 837, 838, 941, 978, 979, 1077, 1243, 1244, 1304, 1365, 1366, 1488, 1634, 1635, 1754, 1882, 1883, 1999, 2174, 2175, 2368, 2421, 2422, 2578, 2619, 2620, 2746, 2954, 2955, 3114, 3164, 3165, 3355, 3557, 3558, 3689, 3895, 3896, 4051, 4085, 4086, 4172, 4236, 4237, 4379, 4525, 4526, 4569, 4682, 4683, 4798, 4853, 4854, 4989, 5068, 5069, 5214, 5292, 5293, 5365, 5747	<code>\textincrement</code> . . . . . 4688, 4782, 4865, 4973, 5083, 5198, 5638, 5753
<code>\textdkshade</code>	2302, 2510, 2678, 2833, 3046, 3289, 3448, 4558, 5706	<code>\textinfinity</code> . . . . . 336, 494, 2189, 2360, 3179, 3347, 4868, 4951, 5086, 5176, 5644, 5754
<code>\textdmblock</code>	2344, 2552, 2720, 2875, 3088, 3331, 3490, 4552, 5700	<code>\textintegral</code> . . . 5089, 5186, 5647, 5755
<code>\textdollar</code>	5742, 5868	<code>\textintersection</code> . . . . . 339, 510, 2192, 2363, 3182, 3350, 5646, 5756
<code>\textdownarrow</code>	5748	<code>\textit</code> . . . . . 331, 2184, 2425, 2961, 3174, 3902, 4092, 4860, 5075, 5296
<code>\textelement</code>	324, 509, 5639, 5749	<code>\textkra</code> . . . . . 981, 982, 992, 1513, 1514, 1614, 5503
<code>\textellipsis</code>	3578, 3745, 3941, 4131, 4275, 4785, 4976, 5201, 5394, 5750, 5869	<code>\textlangle</code> . . . . . 5757
<code>\textemdash</code>	3594, 3763, 3956, 4143, 4289, 4793, 4984, 5209, 5414, 5870	<code>\textleftarrow</code> . . . . . 5758
<code>\textendash</code>	3593, 3762, 3955, 4142, 4288, 4792, 4983, 5208, 5383, 5871	<code>\textless</code> . . . . . 5874
<code>\textepsilon</code>	2177, 2362, 3167, 3349, 5597, 5743	<code>\textlessequal</code> . . . . . . . . 342, 514, 2195, 2367, 3185, 3354, 4531, 4563, 4691, 4762, 4871, 4953, 5092, 5178, 5652, 5759
<code>\textequivalence</code>	327, 511, 2180, 2364, 3170, 3351, 5651, 5744	<code>\textlfblock</code> 2345, 3332, 3491, 4554, 5702
<code>\texteuro</code>	1885, 1886, 1916, 2032, 2033, 2042, 2957, 2958, 3081, 3560, 3561, 3575, 3714, 3715, 3748, 3898, 3899, 3937, 4088, 4089, 4127, 4239, 4240, 4272, 4856, 4857, 5030, 5071, 5072, 5219	<code>\textlnot</code> . . 345, 441, 556, 601, 1246, 1290, 1368, 1413, 1637, 1679, 1888, 1924, 2198, 2294, 2427, 2502, 2622, 2670, 2963, 3038, 3188, 3281, 3563, 3614, 3717, 3783, 3904, 3976, 4094, 4158, 4242, 4304, 4694, 4778, 4874, 4969, 5095, 5194, 5301, 5396, 5760
<code>\textexclamdown</code>	444, 590, 1402, 1913, 2297, 2505, 3041, 3284, 3965, 4148, 4428, 5193, 5367, 5872	<code>\textlogicalnot</code> . . . . . 5761
<code>\textflorin</code>	330, 430, 2183, 2283, 2424, 2491, 2960, 3027, 3173, 3270, 3901, 3939, 4091, 4129, 4859, 4971, 5074, 5196, 5295, 5372	<code>\textlozenge</code> . . . . . 4697, 4799, 5098, 5215, 5656, 5762
<code>\textfractionsolidus</code>	5077, 5218, 5298, 5370	<code>\textltshade</code> . . . . . 2300, 2508, 2676, 2831, 3044, 3287, 3446, 4556, 5704
<code>\textGamma</code>	273, 497, 2141, 2350, 3131, 3337, 5589, 5751	<code>\textmalteseH</code> . . . . . 840, 841, 862, 5491
<code>\textgreater</code>	5873	<code>\textmalteseh</code> . . . . . 843, 844, 876, 5492
<code>\textgreaterorequal</code>	333, 513, 2186, 2366, 3176, 3353, 4528, 4564, 4685, 4763, 4862, 4954, 5080, 5179, 5653, 5752	<code>\textmu</code> . . . . . 348, 501, 559, 610, 846, 880, 1249, 1299, 1371, 1422, 1640, 1688, 1891, 1933, 2201, 2354, 2430, 2562, 2966, 3098, 3191, 3341, 3566, 3623, 3720, 3792, 3907, 3985, 4097, 4167, 4245, 4313, 4404, 4441, 4877, 4956, 5101, 5181, 5304, 5363, 5763

1646, 1695, 2210, 2296, 2436,  
 2504, 2972, 3040, 3200, 3283,  
 3913, 3992, 4103, 4174, 4251,  
 4320, 4410, 4447, 5310, 5416, 5769  
 $\backslash$ textonesuperior 568, 614, 1258, 1303,  
 1380, 1426, 1649, 1692, 1894,  
 1937, 2439, 2583, 2975, 3119,  
 3916, 3989, 4106, 4171, 4254,  
 4317, 4413, 4444, 5313, 5398, 5770  
 $\backslash$ textopenbullet ..... 5771  
 $\backslash$ textordfeminine ..... 437, 599,  
 1411, 1922, 2290, 2498, 3034,  
 3277, 3974, 4435, 5187, 5433, 5876  
 $\backslash$ textordmasculine ..... 438, 615,  
 1427, 1938, 2291, 2499, 3035,  
 3278, 3990, 4445, 5188, 5441, 5877  
 $\backslash$ textparagraph ..... 459,  
 611, 1300, 1423, 1689, 1792,  
 1934, 2060, 2576, 3112, 3624,  
 3793, 3986, 4168, 4314, 4442,  
 4750, 4941, 5166, 5388, 5772, 5878  
 $\backslash$ textpartial .....  
 4703, 4766, 5107, 5182, 5637, 5773  
 $\backslash$ textperiodcentered .. 519, 612, 882,  
 1301, 1424, 1542, 1690, 1935,  
 2061, 2372, 2582, 3118, 3359,  
 3520, 3625, 3794, 3987, 4169,  
 4315, 4443, 4568, 5225, 5386, 5879  
 $\backslash$ textpertenthousand ..... 5880  
 $\backslash$ textperthousand ..... 3581, 3749,  
 3945, 4135, 4278, 5228, 5395, 5881  
 $\backslash$ textpseta 2213, 2282, 3203, 3269, 5636  
 $\backslash$ textPhi ..... 279, 503,  
 2147, 2356, 3137, 3343, 5592, 5774  
 $\backslash$ textphi ..... 360, 508,  
 2216, 2361, 3206, 3348, 5601, 5775  
 $\backslash$ textpi ..... 363, 498, 2219, 2351,  
 3209, 3338, 5110, 5185, 5598, 5776  
 $\backslash$ textpm ..... 366, 512, 571, 606,  
 1261, 1295, 1383, 1418, 1652,  
 1684, 1897, 1929, 2035, 2055,  
 2222, 2365, 2442, 2573, 2978,  
 3109, 3212, 3352, 3569, 3619,  
 3737, 3788, 3919, 3981, 4109,  
 4163, 4257, 4309, 4416, 4438,  
 4897, 4952, 5113, 5177, 5316, 5415  
 $\backslash$ textproduct ... 5116, 5184, 5640, 5777  
 $\backslash$ textquestiondown .. 439, 620, 1432,  
 1943, 2292, 2500, 3036, 3279,  
 3995, 4177, 4449, 5192, 5397, 5882  
 $\backslash$ textquotedbl ..... 5883  
 $\backslash$ textquotedblleft .....  
 . 1687, 3590, 3759, 3952, 4139,  
 4285, 4794, 4985, 5210, 5376, 5884  
 $\backslash$ textquotedblright ..... 1668,  
 2059, 3591, 3760, 3953, 4140,  
 4286, 4795, 4986, 5211, 5392, 5885  
 $\backslash$ textquoteleft ... 3588, 3757, 3950,  
 4137, 4283, 4796, 4987, 5212, 5886  
 $\backslash$ textquoteright .....  
 . 1762, 3589, 3758, 3951, 4138,  
 4284, 4797, 4988, 5213, 5375, 5887  
 $\backslash$ texttriangle ..... 5778  
 $\backslash$ textregistered ..... 461, 603, 1292,  
 1415, 1681, 1784, 1926, 2501,  
 3037, 3616, 3785, 3978, 4160,  
 4306, 4752, 4943, 5168, 5382, 5888  
 $\backslash$ textrevlogicalnot .....  
 ... 369, 372, 440, 2225, 2228,  
 2293, 3215, 3218, 3280, 5654, 5779  
 $\backslash$ textrightarrow ..... 5780  
 $\backslash$ texttrtblock 2346, 3333, 3492, 4555, 5703  
 $\backslash$ textsection ..... 492, 596,  
 726, 867, 997, 1200, 1285, 1408,  
 1526, 1674, 1777, 1919, 2045,  
 2577, 2745, 2908, 3113, 3609,  
 3778, 3971, 4153, 4299, 4432,  
 4748, 4939, 5164, 5373, 5781, 5889  
 $\backslash$ textSFi ..... 2342, 2550, 2718,  
 2873, 3086, 3329, 3488, 4542, 5661  
 $\backslash$ textSFii ..... 2316, 2524, 2692,  
 2847, 3060, 3303, 3462, 4544, 5663  
 $\backslash$ textSFiii ..... 2315, 2523, 2691,  
 2846, 3059, 3302, 3461, 4543, 5662  
 $\backslash$ textSFiv ..... 2341, 2549, 2717,  
 2872, 3085, 3328, 3487, 4545, 5664  
 $\backslash$ textSFix ..... 2304, 2512, 2680,  
 2835, 3048, 3291, 3450, 4547, 5666  
 $\backslash$ textSFl .. 2336, 3323, 3482, 4579, 5678  
 $\backslash$ textSFli .. 2337, 3324, 3483, 4572, 5672  
 $\backslash$ textSFlii . 2338, 3325, 3484, 4574, 5673  
 $\backslash$ textSFliii . 2339, 3326, 3485, 4599, 5697  
 $\backslash$ textSFliv . 2340, 3327, 3486, 4598, 5696  
 $\backslash$ textSFv ..... 2321, 2529, 2697,  
 2852, 3065, 3308, 3467, 4550, 5669  
 $\backslash$ textSFvi ..... 2318, 2526, 2694,  
 2849, 3062, 3305, 3464, 4548, 5667  
 $\backslash$ textSFvii ..... 2317, 2525, 2693,  
 2848, 3061, 3304, 3463, 4549, 5668  
 $\backslash$ textSFviii ..... 2319, 2527, 2695,  
 2850, 3063, 3306, 3465, 4546, 5665  
 $\backslash$ textSFx ..... 2320, 2528, 2696,  
 2851, 3064, 3307, 3466, 4540, 5659  
 $\backslash$ textSFxi ..... 2303, 2511, 2679,  
 2834, 3047, 3290, 3449, 4541, 5660  
 $\backslash$ textSFxix . 2305, 3292, 3451, 4588, 5687  
 $\backslash$ textSFxl ..... 2326, 2534, 2702,  
 2857, 3070, 3313, 3472, 4597, 5695  
 $\backslash$ textSFxli ..... 2327, 2535, 2703,  
 2858, 3071, 3314, 3473, 4594, 5692  
 $\backslash$ textSFxlii ..... 2328, 2536, 2704,  
 2859, 3072, 3315, 3474, 4587, 5686  
 $\backslash$ textSFxliii ..... 2329, 2537, 2705,  
 2860, 3073, 3316, 3475, 4570, 5670  
 $\backslash$ textSFxliv ..... 2330, 2538, 2706,  
 2861, 3074, 3317, 3476, 4600, 5698  
 $\backslash$ textSFxlix 2335, 3322, 3481, 4580, 5679  
 $\backslash$ textSFxlv . 2331, 3318, 3477, 4595, 5693  
 $\backslash$ textSFxlvi 2332, 3319, 3478, 4596, 5694  
 $\backslash$ textSFxlvi 2333, 3320, 3479, 4592, 5690  
 $\backslash$ textSFxlviii 2334, 3321, 3480, 4593, 5691  
 $\backslash$ textSFxx . 2306, 3293, 3452, 4590, 5688  
 $\backslash$ textSFxxi . 2307, 3294, 3453, 4577, 5676  
 $\backslash$ textSFxxii 2308, 3295, 3454, 4576, 5675

<code>\textSFxxiii</code> . . . . .	2309, 2517, 2685, 2840, 3053, 3296, 3455, 4591, 5689	2981, 3111, 3922, 3994, 4112, 4176, 4260, 4322, 5319, 5418, 5789
<code>\textSFxxiv</code> . . . . .	2310, 2518, 2686, 2841, 3054, 3297, 3456, 4571, 5671	<code>\textthreesuperior</code> . . . . .
<code>\textSFxxv</code> . . . . .	2311, 2519, 2687, 2842, 3055, 3298, 3457, 4578, 5677	390, 523, 577, 608, 852, 878, 1267, 1297, 1389, 1420, 1658, 1686, 1900, 1931, 2448, 2584, 2984, 3120, 3925, 3983, 4115, 4165, 4263, 4311, 4419, 4440, 5322, 5410, 5790
<code>\textSFxxvi</code> . . . . .	2312, 2520, 2688, 2843, 3056, 3299, 3458, 4584, 5683	<code>\texttimes</code> . . . . .
<code>\textSFxxvii</code>	2313, 3300, 3459, 4583, 5682	. 580, 644, 716, 774, 855, 911, 984, 1045, 1270, 1288, 1392, 1456, 1661, 1722, 1903, 1967, 2451, 2490, 2625, 2658, 2987, 3026, 3572, 3657, 3928, 4019, 4118, 4156, 4266, 4347, 5325, 5364
<code>\textSFxxviii</code>	2314, 3301, 3460, 4582, 5681	<code>\texttrademark</code> 462, 3595, 3764, 3958, 4145, 4290, 4754, 4945, 5170, 5891
<code>\textSFxxxix</code> . . . . .	2325, 2533, 2701, 2856, 3069, 3312, 3471, 4575, 5674	<code>\textTstroke</code> . . . . .
<code>\textSFxxxvi</code>	2322, 3309, 3468, 4585, 5684	957, 958, 1002, 1504, 1505, 1530, 5514
<code>\textSFxxxvii</code> . . . . .	. . . . . 2323, 3310, 3469, 4586, 5685	<code>\texttstroke</code> . . . . .
<code>\textSFxxxviii</code> . . . . .	2324, 2532, 2700, 2855, 3068, 3311, 3470, 4581, 5680	987, 988, 1018, 1516, 1517, 1546, 5515
<code>\textshade</code> . . . . .	2301, 2509, 2677, 2832, 3045, 3288, 3447, 4557, 5705	<code>\texttwosuperior</code> . . . . .
<code>\textSigma</code> . . . . .	282, 499, 2150, 2352, 3140, 3339, 5591, 5782	393, 522, 583, 607, 858, 877, 1273, 1296, 1395, 1419, 1664, 1685, 1906, 1930, 2246, 2375, 2454, 2585, 2990, 3121, 3236, 3362, 3931, 3982, 4121, 4164, 4269, 4310, 4422, 4439, 4537, 4567, 5328, 5407, 5791
<code>\textsigma</code> . . . . .	381, 500, 2237, 2353, 3227, 3340, 5599, 5783	<code>\textunderscore</code> . . . . .
<code>\textsterling</code> . . . . .	. . . . . 427, 592, 864, 1281, 1404, 1670, 1773, 1915, 2280, 2488, 3024, 3267, 3967, 4150, 4296, 4430, 4747, 4938, 5163, 5369, 5784, 5890	1230, 1233, 1235, 1237, 2408, 2411, 2413, 2415, 2941, 2944, 2946, 2948, 5892
<code>\textsummation</code> . . . . .	. . . . . 4706, 4767, 5119, 5183, 5641, 5785	<code>\textuparrow</code> . . . . .
<code>\textsurd</code> . . . . .	384, 520, 2240, 2373, 3230, 3360, 3395, 3521, 4534, 4561, 4709, 4779, 4900, 4970, 5122, 5195, 5643, 5786	5792
<code>\TextSymbolUnavailable</code> . . . . .	. . . . . 310, 322, 372, 397, 542, 545, 548, 554, 587, 708, 714, 832, 838, 841, 844, 958, 973, 979, 982, 988, 1220, 1223, 1226, 1244, 1277, 1354, 1357, 1360, 1366, 1399, 1505, 1514, 1517, 1623, 1626, 1629, 1635, 1877, 1883, 1886, 1910, 2033, 2166, 2175, 2228, 2250, 2398, 2401, 2404, 2422, 2458, 2614, 2620, 2767, 2931, 2934, 2937, 2955, 2958, 2994, 3156, 3165, 3218, 3376, 3549, 3552, 3558, 3561, 3706, 3709, 3715, 3884, 3887, 3890, 3896, 3899, 3935, 4077, 4080, 4086, 4089, 4125, 4225, 4228, 4231, 4237, 4240, 4396, 4399, 4426, 4526, 4683, 4854, 4857, 5063, 5069, 5072, 5126, 5284, 5287, 5290, 5293, 5332, 5464	<code>\textupblock</code> . . . . .
<code>\texttau</code> . . . . .	387, 502, 2243, 2355, 3233, 3342, 5600, 5787	2347, 2555, 2723, 2878, 3091, 3334, 3493, 4551, 5699
<code>\textTheta</code> . . . . .	285, 504, 2153, 2357, 3143, 3344, 5590, 5788	<code>\textvisiblespace</code> . . . . .
<code>\textthreequarters</code> . . . . .	. . . . . 574, 619, 1264, 1308, 1386, 1431, 1655, 1697, 2445, 2575,	5893
		<code>\textyen</code> . . . . .
		396, 397, 428, 586, 587, 594, 1276, 1277, 1283, 1398, 1399, 1406, 1909, 1910, 1917, 2249, 2250, 2281, 2457, 2458, 2522, 2993, 2994, 3058, 3934, 3935, 3969, 4124, 4125, 4151, 4425, 4426, 4431, 5125, 5126, 5180, 5331, 5332, 5371
		<code>\TH</code> . . . . .
		651, 1581, 1974, 2564, 3100, 4026, 5362, 5826
		<code>\th</code> . . . . .
		683, 1613, 2006, 2563, 3099, 4058, 5458, 5894
		<code>\the</code> . . . . .
		20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 246, 271, 530, 690, 820, 955, 1091, 1208, 1342, 1502, 1620, 1768, 1871, 2013, 2139, 2383, 2593, 2761, 2916, 3129, 3370, 3531, 3703, 3872, 4065, 4210, 4393, 4514, 4671, 4845, 5036, 5260, 5719, 5726
		<code>\Theta</code> . . . . .
		286, 2154, 3144, 5788
		<code>\times</code> . . . . .
		581, 717, 856, 985, 1271, 1393, 1662, 1904, 2452, 2626, 2988, 3573, 3929, 4119, 4267, 5326
		<b>U</b>
		<code>\u</code> 699, 754, 786, 826, 871, 886, 917, 947, 1449, 1481, 2073, 2105,

	2602, 2698, 2699, 3540, 3637, 3669, 5051, 5269, 5520, 5521, 5895		2753, 3543, 3582, 3585, 3586, 3596, 3599, 3600, 3630, 3632, 3642, 3646, 3649, 3652, 3658, 3674, 3678, 3681, 3684, 3690, 3946, 3949, 3959, 3962, 4216, 4332, 4340, 4354, 4364, 4372, 4386, 4674, 4721, 4723, 4729, 4731, 4741, 4742, 4771, 4772, 4781, 4787, 4803, 4806, 4809, 4812, 4816, 4817, 4819, 4820, 5054, 5272, 5528, 5529, 5530, 5531, 5532, 5533, 5534, 5535, 5538, 5539, 5540, 5541, 5542, 5896
<code>\uccode</code>	254	<code>\varepsilon</code>	2178, 3168, 5743
<code>\uparrow</code>	5792	<code>\Vert</code>	5731
<code>\uppercase</code>	255	<code>\vrule</code>	2163, 2395, 2611, 2764, 2928, 3153, 3373, 4520
<b>V</b>		<b>Z</b>	
<code>\v</code>	702, 724, 728, 730, 733, 740, 744, 746, 749, 759, 763, 766, 769, 775, 791, 795, 798, 801, 807, 964, 999, 1004, 1015, 1020, 1030, 1062, 1529, 1531, 1545, 1547, 1559, 1591, 1707, 1715, 1729, 1739, 1747, 1761, 1918, 1920, 1932, 1936, 2044, 2046, 2056, 2058, 2062, 2063, 2605, 2649, 2650, 2655, 2656, 2659, 2666, 2667, 2672, 2683, 2710, 2712, 2713, 2716, 2729, 2730, 2731, 2752,	<code>\z@</code>	1097, 2022, 2773, 3385, 3727, 4887