

# The inputenx package

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## Abstract

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

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

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# 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 `inpmath` 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{inputenx}[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`

`\InputEncoding {⟨encoding⟩}`

After package `inputenx` 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:

`\CurrentInputEncodingName`  
`\CurrentInputEncodingOption`

`\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

`\BeforeInputEncoding {⟨code⟩}`  
`\AfterInputEncoding {⟨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`.

\InputEncodingNameOld \InputEncodingOptionOld \InputEncodingNew
---

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@enlist\@empty
105 \DeclareOption*{%
106     \ifx\IEX@enlist\@empty
107         \let\IEX@enlist\CurrentOption
108     \else
109         \edef\IEX@enlist{\IEX@enlist,\CurrentOption}%
110     \fi
111 }
112 \ProcessOptions*

```

### 2.3.2 Load inputenc with encoding options

```

113 \let\IEX@OptionList\@empty
114 \@for\CurrentOption:=\IEX@enlist\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 (inputenx)]

```

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

```

177 \InputenxAlias{ascii}{x-ascii}
178 \InputenxAlias{atarist}{x-atarist}
179 \InputenxAlias{iso-8859-1}{x-iso-8859-1}
180 \InputenxAlias{iso-8859-2}{x-iso-8859-2}
181 \InputenxAlias{iso-8859-3}{x-iso-8859-3}
182 \InputenxAlias{iso-8859-4}{x-iso-8859-4}
183 \InputenxAlias{iso-8859-5}{x-iso-8859-5}
184 \InputenxAlias{iso-8859-8}{x-iso-8859-8}
185 \InputenxAlias{iso-8859-9}{x-iso-8859-9}
186 \InputenxAlias{iso-8859-10}{x-iso-8859-10}
187 \InputenxAlias{iso-8859-13}{x-iso-8859-13}
188 \InputenxAlias{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 (inputenx)]%
240 \csname @inpenc@test\endcsname
241 \alias

```

### 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{\textasciicute}{%
295   \@tabacckludge'{}%
296 }
297 \ProvideTextCommandDefault{\textasciidieresis}{%
298   \"{}%
299 }
300 \ProvideTextCommandDefault{\textasciimacron}{%
301   \textasciicircum{}%
302 }
```

```

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{\textgreaterorequal}{%
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{\lnot}
347 }
348 \ProvideTextCommandDefault{\textmu}{%
349 \ensuremath{\mu}
350 }
351 \ProvideTextCommandDefault{\textnsuperior}{%
352 \ensuremath{{}^n}
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{{}^3}%
392 }
393 \ProvideTextCommandDefault{\texttwosuperior}{%
394   \ensuremath{{}^2}%
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}{\textU}
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}{\textasciacute}
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}{\hebalef}
466 \DeclareInputText{195}{\hebbet}
467 \DeclareInputText{196}{\hebgimel}
468 \DeclareInputText{197}{\hebdalef}
469 \DeclareInputText{198}{\hebhe}
470 \DeclareInputText{199}{\hebvav}
471 \DeclareInputText{200}{\hebzayin}
472 \DeclareInputText{201}{\hebhet}
473 \DeclareInputText{202}{\hebtet}
474 \DeclareInputText{203}{\hebyod}
475 \DeclareInputText{204}{\hebkaf}
476 \DeclareInputText{205}{\heblamed}
477 \DeclareInputText{206}{\hebmam}
478 \DeclareInputText{207}{\hebnun}
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}{\textlessequal}
515 \DeclareInputText{246}{\textdiv}
516 \DeclareInputText{247}{\textapproxequal}
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{\textasciicute}{%
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{{}^\circ}}%
552 }
553 \ProvideTextCommandDefault{\textdiv}{%
554 \TextSymbolUnavailable\textdiv
555 }
556 \ProvideTextCommandDefault{\textlnot}{%
557 \ensuremath{\nolimits}
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{{}^1}}%
570 }
571 \ProvideTextCommandDefault{\textpm}{%
572 \ensuremath{\pm}
573 }
574 \ProvideTextCommandDefault{\textthreequarters}{%
575 \ensuremath{\frac{3}{4}}}
576 }
577 \ProvideTextCommandDefault{\textthreesuperior}{%
578 \ensuremath{{}^3}}%
579 }
580 \ProvideTextCommandDefault{\texttimes}{%
581 \ensuremath{\times}
582 }
583 \ProvideTextCommandDefault{\texttwosuperior}{%
584 \ensuremath{{}^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}{\textasciicute}

```



```

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{\textasciicute}{}%
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}{\.\I}
870 \DeclareInputText{170}{\c S}
871 \DeclareInputText{171}{\u G}
872 \DeclareInputText{172}{\^J}
873 \DeclareInputText{173}{\~}
874 \DeclareInputText{175}{\.\Z}
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}{\.\z}
890 \DeclareInputText{192}{\@tabacckludge`A}
891 \DeclareInputText{193}{\@tabacckludge'A}
892 \DeclareInputText{194}{\^A}
893 \DeclareInputText{196}{\`A}
894 \DeclareInputText{197}{\.\C}
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}{\.\G}
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 (inputenx)]%
955 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
956 \makeatletter
957 \ProvideTextCommandDefault{\textTstroke}{%
958 \TextSymbolUnavailable\textTstroke
959 }
960 \ProvideTextCommandDefault{\textasciicute}{%
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{\`{}}}%
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     \oalign{%
1101       \raise0.5ex\hbox{o}%

```



```

1102 \crrr
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}{\cyr1}
1167 \DeclareInputText{220}{\cyrm}
1168 \DeclareInputText{221}{\cyrn}
1169 \DeclareInputText{222}{\cyro}
1170 \DeclareInputText{223}{\cyrp}
1171 \DeclareInputText{224}{\cyr r}
1172 \DeclareInputText{225}{\cyr s}
1173 \DeclareInputText{226}{\cyr t}
1174 \DeclareInputText{227}{\cyr u}
1175 \DeclareInputText{228}{\cyr f}
1176 \DeclareInputText{229}{\cyr h}
1177 \DeclareInputText{230}{\cyr c}
1178 \DeclareInputText{231}{\cyr ch}
1179 \DeclareInputText{232}{\cyr sh}
1180 \DeclareInputText{233}{\cyr shch}
1181 \DeclareInputText{234}{\cyr hrdn}
1182 \DeclareInputText{235}{\cyr ery}
1183 \DeclareInputText{236}{\cyr sftsn}
1184 \DeclareInputText{237}{\cyr rerev}
1185 \DeclareInputText{238}{\cyr yu}
1186 \DeclareInputText{239}{\cyr ya}
1187 \DeclareInputText{240}{\textnumero}
1188 \DeclareInputText{241}{\cyr yo}
1189 \DeclareInputText{242}{\cyr dje}
1190 \DeclareInputText{243}{\@tabacckludge'\cyr g}
1191 \DeclareInputText{244}{\cyr ie}
1192 \DeclareInputText{245}{\cyr dze}
1193 \DeclareInputText{246}{\cyr ii}
1194 \DeclareInputText{247}{\cyr yi}
1195 \DeclareInputText{248}{\cyr je}
1196 \DeclareInputText{249}{\cyr lje}
1197 \DeclareInputText{250}{\cyr nje}
1198 \DeclareInputText{251}{\cyr tshe}
1199 \DeclareInputText{252}{\@tabacckludge'\cyr k}
1200 \DeclareInputText{253}{\textsection}
1201 \DeclareInputText{254}{\cyrushrt}
1202 \DeclareInputText{255}{\cyr dzhe}
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{\textasciicute}{%
1211 \@tabacckludge'\}%
1212 }
1213 \ProvideTextCommandDefault{\textasciidieresis}{%
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{\textdbllowline}{%
1229   \begingroup
1230     \sbox0{\textunderscore}%
1231     \leavevmode
1232     \ifdim\dp0<.2ex\relax
1233       \rlap{\raisebox{- .2ex}[0pt]{\textunderscore}}%
1234     \else
1235       \rlap{\raisebox{.2ex}[0pt]{\textunderscore}}%
1236     \fi
1237     \textunderscore
1238   \endgroup
1239 }
1240 \ProvideTextCommandDefault{\textdegree}{%
1241   \ensuremath{\text{\char"00B0}}%
1242 }
1243 \ProvideTextCommandDefault{\textdiv}{%
1244   \TextSymbolUnavailable\textdiv
1245 }
1246 \ProvideTextCommandDefault{\textlnot}{%
1247   \ensuremath{\text{\char"00AC}}%
1248 }
1249 \ProvideTextCommandDefault{\textmu}{%
1250   \ensuremath{\text{\char"00B5}}%
1251 }
1252 \ProvideTextCommandDefault{\textonehalf}{%
1253   \ensuremath{\text{\frac{1}{2}}}
1254 }
1255 \ProvideTextCommandDefault{\textonequarter}{%
1256   \ensuremath{\text{\frac{1}{4}}}
1257 }
1258 \ProvideTextCommandDefault{\textonesuperior}{%
1259   \ensuremath{\text{\char"00B9}}%
1260 }
1261 \ProvideTextCommandDefault{\textpm}{%
1262   \ensuremath{\text{\char"00B1}}%
1263 }
1264 \ProvideTextCommandDefault{\textthreequarters}{%
1265   \ensuremath{\text{\frac{3}{4}}}
1266 }
1267 \ProvideTextCommandDefault{\textthreesuperior}{%
1268   \ensuremath{\text{\char"00B3}}%
1269 }
1270 \ProvideTextCommandDefault{\texttimes}{%
1271   \ensuremath{\text{\char"00D7}}%
1272 }
1273 \ProvideTextCommandDefault{\texttwosuperior}{%
1274   \ensuremath{\text{\char"00B2}}%
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}{\textnot}
1291 \DeclareInputText{173}{\textasciicircum}
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}{\textasciicircum}
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}{\hebalet}
1311 \DeclareInputText{225}{\hebbet}
1312 \DeclareInputText{226}{\hebgimel}
1313 \DeclareInputText{227}{\hebdaleth}
1314 \DeclareInputText{228}{\hebbe}
1315 \DeclareInputText{229}{\hebvav}
1316 \DeclareInputText{230}{\hebzayin}
1317 \DeclareInputText{231}{\hebbet}
1318 \DeclareInputText{232}{\hebtet}
1319 \DeclareInputText{233}{\hebyod}
1320 \DeclareInputText{234}{\hebfinalkaf}
1321 \DeclareInputText{235}{\hebkaf}
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 \end{iso-8859-8}

```

### 2.5.10 Encoding iso-8859-9

```

1339 \begin{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{\textasciicircum}{%
1345 \@tabacckludge'}%
1346 }
1347 \ProvideTextCommandDefault{\textasciieresis}{%

```

```

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{{}^{\circ}}}%
1364 }
1365 \ProvideTextCommandDefault{\textdiv}{}%
1366 \TextSymbolUnavailable\textdiv
1367 }
1368 \ProvideTextCommandDefault{\textlnot}{}%
1369 \ensuremath{\lnot}
1370 }
1371 \ProvideTextCommandDefault{\textmu}{}%
1372 \ensuremath{\mu}
1373 }
1374 \ProvideTextCommandDefault{\textonehalf}{}%
1375 \ensuremath{\frac{1}{2}}}%
1376 }
1377 \ProvideTextCommandDefault{\textonequarter}{}%
1378 \ensuremath{\frac{1}{4}}}%
1379 }
1380 \ProvideTextCommandDefault{\textonesuperior}{}%
1381 \ensuremath{{}^1}}%
1382 }
1383 \ProvideTextCommandDefault{\textpm}{}%
1384 \ensuremath{\pm}
1385 }
1386 \ProvideTextCommandDefault{\textthreequarters}{}%
1387 \ensuremath{\frac{3}{4}}}%
1388 }
1389 \ProvideTextCommandDefault{\textthreesuperior}{}%
1390 \ensuremath{{}^3}}%
1391 }
1392 \ProvideTextCommandDefault{\texttimes}{}%
1393 \ensuremath{\times}
1394 }
1395 \ProvideTextCommandDefault{\texttwosuperior}{}%
1396 \ensuremath{{}^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}{\textnot}  
1414 \DeclareInputText{173}{\textasciimacron}  
1415 \DeclareInputText{174}{\textregistered}  
1416 \DeclareInputText{175}{\textdegree}  
1417 \DeclareInputText{176}{\textpm}  
1418 \DeclareInputText{177}{\textsuperscript}  
1419 \DeclareInputText{178}{\textthreesuperior}  
1420 \DeclareInputText{179}{\textasciicute}  
1421 \DeclareInputText{180}{\textmu}  
1422 \DeclareInputText{181}{\textparagraph}  
1423 \DeclareInputText{182}{\textperiodcentered}  
1424 \DeclareInputText{183}{\c }  
1425 \DeclareInputText{184}{\textonesuperior}  
1426 \DeclareInputText{185}{\textordmasculine}  
1427 \DeclareInputText{186}{\guillemotright}  
1428 \DeclareInputText{187}{\textonequarter}  
1429 \DeclareInputText{188}{\textonehalf}  
1430 \DeclareInputText{189}{\textthreequarters}  
1431 \DeclareInputText{190}{\textquestiondown}  
1432 \DeclareInputText{191}{\@tabacckludge`A}  
1433 \DeclareInputText{192}{\@tabacckludge'A}  
1434 \DeclareInputText{193}{\^A}  
1435 \DeclareInputText{194}{\~A}  
1436 \DeclareInputText{195}{\"A}  
1437 \DeclareInputText{196}{\r A}  
1438 \DeclareInputText{197}{\AE}  
1439 \DeclareInputText{198}{\c C}  
1440 \DeclareInputText{199}{\@tabacckludge`E}  
1441 \DeclareInputText{200}{\@tabacckludge'E}  
1442 \DeclareInputText{201}{\^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}{\"U}  
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{\text{\^{\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{\text{\^circ}}}%
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{\text{\^1}}}%
1651 }
1652 \ProvideTextCommandDefault{\textpm}{%
1653 \ensuremath{\pm}
1654 }
1655 \ProvideTextCommandDefault{\textthreequarters}{%

```

```

1656 \ensuremath{\frac{34}{}}%
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{{}^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\crr
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{\text{\circ}}}%
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{\sqrt{\phantom{x}}}
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}
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}{\textSFxix}  
 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}{\textSFlxlviii}
2335 \DeclareInputText{211}{\textSFlxlix}
2336 \DeclareInputText{212}{\textSFl}
2337 \DeclareInputText{213}{\textSFl i}
2338 \DeclareInputText{214}{\textSFl ii}
2339 \DeclareInputText{215}{\textSFl iii}
2340 \DeclareInputText{216}{\textSFl iv}
2341 \DeclareInputText{217}{\textSFl v}
2342 \DeclareInputText{218}{\textSFl i}
2343 \DeclareInputText{219}{\textblock}
2344 \DeclareInputText{220}{\textdnblock}
2345 \DeclareInputText{221}{\textlfblock}
2346 \DeclareInputText{222}{\textrtblock}
2347 \DeclareInputText{223}{\textupblock}
2348 \DeclareInputText{224}{\textalpha}
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{246}{\textdiv}
2369 \DeclareInputText{247}{\textapproxequal}
2370 \DeclareInputText{248}{\textdegree}
2371 \DeclareInputText{249}{\textbullet}
2372 \DeclareInputText{250}{\textperiodcentered}
2373 \DeclareInputText{251}{\textsurd}
2374 \DeclareInputText{252}{\textnsuperior}
2375 \DeclareInputText{253}{\texttwosuperior}
2376 \DeclareInputText{254}{\textblacksquare}
2377 \DeclareInputText{255}{\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{\textasciicute}{%
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{{}^\circ}}%
2420 }
2421 \ProvideTextCommandDefault{\textdiv}{%
2422 \TextSymbolUnavailable\textdiv
2423 }
2424 \ProvideTextCommandDefault{\textflorin}{%
2425 \textit{f}}%
2426 }
2427 \ProvideTextCommandDefault{\textlnot}{%
2428 \ensuremath{\lnot}
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{{}^1}}%
2441 }
2442 \ProvideTextCommandDefault{\textpm}{%
2443 \ensuremath{\pm}
2444 }
2445 \ProvideTextCommandDefault{\textthreequarters}{%
2446 \ensuremath{\frac{3}{4}}%
2447 }
2448 \ProvideTextCommandDefault{\textthreesuperior}{%
2449 \ensuremath{{}^3}}%
2450 }
2451 \ProvideTextCommandDefault{\texttimes}{%
2452 \ensuremath{\times}
2453 }
2454 \ProvideTextCommandDefault{\texttwosuperior}{%
2455 \ensuremath{{}^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}{\textSFxi}
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}{\textdbllowline}  
 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{\textasciiacute}{%
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}{\textSFxlili}
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@fontfalse
2775 \selectfont
2776 \ooalign{%
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}{\textit{shade}}  
 2832 \DeclareInputText{177}{\text{shade}}  
 2833 \DeclareInputText{178}{\text{dkshade}}  
 2834 \DeclareInputText{179}{\text{SFxi}}  
 2835 \DeclareInputText{180}{\text{SFxi}}  
 2836 \DeclareInputText{181}{\cyrh}  
 2837 \DeclareInputText{182}{\CYRH}  
 2838 \DeclareInputText{183}{\cyri}  
 2839 \DeclareInputText{184}{\CYRI}  
 2840 \DeclareInputText{185}{\text{SFxxiii}}  
 2841 \DeclareInputText{186}{\text{SFxxiv}}  
 2842 \DeclareInputText{187}{\text{SFxxv}}  
 2843 \DeclareInputText{188}{\text{SFxxvi}}  
 2844 \DeclareInputText{189}{\cyrishrt}  
 2845 \DeclareInputText{190}{\CYRISHRT}  
 2846 \DeclareInputText{191}{\text{SFiii}}  
 2847 \DeclareInputText{192}{\text{SFii}}  
 2848 \DeclareInputText{193}{\text{SFvii}}  
 2849 \DeclareInputText{194}{\text{SFvi}}  
 2850 \DeclareInputText{195}{\text{SFviii}}  
 2851 \DeclareInputText{196}{\text{SFx}}  
 2852 \DeclareInputText{197}{\text{SFv}}  
 2853 \DeclareInputText{198}{\cyrk}  
 2854 \DeclareInputText{199}{\CYRK}  
 2855 \DeclareInputText{200}{\text{SFxxxviii}}  
 2856 \DeclareInputText{201}{\text{SFxxxix}}  
 2857 \DeclareInputText{202}{\text{SFxl}}  
 2858 \DeclareInputText{203}{\text{SFxli}}  
 2859 \DeclareInputText{204}{\text{SFxlii}}  
 2860 \DeclareInputText{205}{\text{SFxliii}}  
 2861 \DeclareInputText{206}{\text{SFxliv}}  
 2862 \DeclareInputText{207}{\text{currency}}  
 2863 \DeclareInputText{208}{\cyrk}  
 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}{\text{SFiv}}  
 2873 \DeclareInputText{218}{\text{SFi}}  
 2874 \DeclareInputText{219}{\text{block}}  
 2875 \DeclareInputText{220}{\text{dnblock}}  
 2876 \DeclareInputText{221}{\CYRP}  
 2877 \DeclareInputText{222}{\cyrya}  
 2878 \DeclareInputText{223}{\text{upblock}}  
 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}{\cyrstfn}
2893 \DeclareInputText{238}{\CYRSFTSN}
2894 \DeclareInputText{239}{\textnumero}
2895 \DeclareInputText{240}{\~}
2896 \DeclareInputText{241}{\cyrry}
2897 \DeclareInputText{242}{\CYRERY}
2898 \DeclareInputText{243}{\cyrz}
2899 \DeclareInputText{244}{\CYRZ}
2900 \DeclareInputText{245}{\cyrsh}
2901 \DeclareInputText{246}{\CYRSH}
2902 \DeclareInputText{247}{\cyrrrev}
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{{}^\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{{}^1}}%
2977 }
2978 \ProvideTextCommandDefault{\textpm}{%
2979   \ensuremath{\pm}
2980 }
2981 \ProvideTextCommandDefault{\textthreequarters}{%
2982   \ensuremath{\frac{3}{4}}%
2983 }
2984 \ProvideTextCommandDefault{\textthreesuperior}{%
2985   \ensuremath{{}^3}}%
2986 }
2987 \ProvideTextCommandDefault{\texttimes}{%
2988   \ensuremath{\times}
2989 }
2990 \ProvideTextCommandDefault{\texttwosuperior}{%
2991   \ensuremath{{}^2}}%
2992 }
2993 \ProvideTextCommandDefault{\textyen}{%
2994   \TextSymbolUnavailable\textyen
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 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}{\textdbllowline}
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{^\circ}%
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{\textgreaterorequal}{%
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{\sup}%
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{\sqrt{\phantom{x}}}}
3232 }
3233 \ProvideTextCommandDefault{\texttau}{%
3234   \ensuremath{\tau}}
3235 }
3236 \ProvideTextCommandDefault{\texttwosuperior}{%
3237   \ensuremath{{}^2}}%
3238 }
3239 \DeclareInputText{128}{\c C}
3240 \DeclareInputText{129}{\u 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}{\textSFxix}  
 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}{\textSFlxlviii}
3322 \DeclareInputText{211}{\textSFlxlix}
3323 \DeclareInputText{212}{\textSFl}
3324 \DeclareInputText{213}{\textSFl}
3325 \DeclareInputText{214}{\textSFl}
3326 \DeclareInputText{215}{\textSFl}
3327 \DeclareInputText{216}{\textSFl}
3328 \DeclareInputText{217}{\textSFl}
3329 \DeclareInputText{218}{\textSFl}
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{\text{\char"00B0}}%
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}{\textSFxl}  
 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}{\textSFxlxi}  
 3482 \DeclareInputText{212}{\textSFl}  
 3483 \DeclareInputText{213}{\textSFl i}  
 3484 \DeclareInputText{214}{\textSFl ii}  
 3485 \DeclareInputText{215}{\textSFl iii}  
 3486 \DeclareInputText{216}{\textSFl iv}  
 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}{\cyr s}  
 3496 \DeclareInputText{226}{\cyr t}  
 3497 \DeclareInputText{227}{\cyr u}  
 3498 \DeclareInputText{228}{\cyr f}  
 3499 \DeclareInputText{229}{\cyr h}  
 3500 \DeclareInputText{230}{\cyr c}  
 3501 \DeclareInputText{231}{\cyr ch}  
 3502 \DeclareInputText{232}{\cyr sh}  
 3503 \DeclareInputText{233}{\cyr shch}  
 3504 \DeclareInputText{234}{\cyrhrdsn}  
 3505 \DeclareInputText{235}{\cyrery}

```

3506 \DeclareInputText{236}{\cyrstsn}
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{\textasciicute}{%
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{\textasciicirc}}%
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{\char"00B0}}%
3713 }
3714 \ProvideTextCommandDefault{\texteuro}{%
3715   \TextSymbolUnavailable\texteuro
3716 }
3717 \ProvideTextCommandDefault{\textlnot}{%
3718   \ensuremath{\text{\char"00AC}}%
3719 }
3720 \ProvideTextCommandDefault{\textmu}{%
3721   \ensuremath{\text{\char"00B5}}%
3722 }
3723 \ProvideTextCommandDefault{\textnumero}{%
3724   \text{\char"00B6}%
3725 }
3726 \bgroup
3727 \check@mathfonts
3728 \fontsize\sf@size\z@
3729 \math@fontsfalse
3730 \selectfont
3731 \ooalign{\raise0.5ex\hbox{o}}%
3732 \crr
3733 \hline
3734 }%
3735 \egroup
3736 }
3737 \ProvideTextCommandDefault{\textpm}{%
3738   \ensuremath{\text{\char"00B2}}%
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}{\cyrii}  
 3791 \DeclareInputText{180}{\cyrgup}  
 3792 \DeclareInputText{181}{\textmu}  
 3793 \DeclareInputText{182}{\textparagraph}  
 3794 \DeclareInputText{183}{\textperiodcentered}  
 3795 \DeclareInputText{184}{\cyryo}  
 3796 \DeclareInputText{185}{\textnumero}  
 3797 \DeclareInputText{186}{\cyrie}  
 3798 \DeclareInputText{187}{\guillemotright}  
 3799 \DeclareInputText{188}{\cyrje}  
 3800 \DeclareInputText{189}{\CYRDZE}  
 3801 \DeclareInputText{190}{\cyrdze}  
 3802 \DeclareInputText{191}{\cyryi}  
 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}{\cyrm}
3848 \DeclareInputText{237}{\cyrn}
3849 \DeclareInputText{238}{\cyro}
3850 \DeclareInputText{239}{\cyrp}
3851 \DeclareInputText{240}{\cyrr}
3852 \DeclareInputText{241}{\cyrs}
3853 \DeclareInputText{242}{\cyrt}
3854 \DeclareInputText{243}{\cyru}
3855 \DeclareInputText{244}{\cyrf}
3856 \DeclareInputText{245}{\cyrh}
3857 \DeclareInputText{246}{\cyrc}
3858 \DeclareInputText{247}{\cyrch}
3859 \DeclareInputText{248}{\cyrsh}
3860 \DeclareInputText{249}{\cyrshch}
3861 \DeclareInputText{250}{\cyrhrdsn}
3862 \DeclareInputText{251}{\cyrery}
3863 \DeclareInputText{252}{\cyrsftsn}
3864 \DeclareInputText{253}{\cyrerev}
3865 \DeclareInputText{254}{\cyryu}
3866 \DeclareInputText{255}{\cyrya}
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{{}^{\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{{}^1}%
3918 }
3919 \ProvideTextCommandDefault{\textpm}{%
3920 \ensuremath{\text{pm}}
3921 }
3922 \ProvideTextCommandDefault{\textthreequarters}{%
3923 \ensuremath{\frac{3}{4}}%
3924 }
3925 \ProvideTextCommandDefault{\textthreesuperior}{%
3926 \ensuremath{{}^3}%
3927 }
3928 \ProvideTextCommandDefault{\texttimes}{%
3929 \ensuremath{\text{times}}
3930 }
3931 \ProvideTextCommandDefault{\texttwosuperior}{%
3932 \ensuremath{{}^2}%
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{\textasciicute}{%

4068 \@tabacckludge'}{}%

4069 }

4070 \ProvideTextCommandDefault{\textasciidieresis}{%

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{{}^{\circ}}{}

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{{}^1}{}

4108 }

4109 \ProvideTextCommandDefault{\textpm}{%

4110 \ensuremath{\pm}

4111 }

4112 \ProvideTextCommandDefault{\textthreequarters}{%

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

4114 }

4115 \ProvideTextCommandDefault{\textthreesuperior}{%

4116 \ensuremath{{}^3}{}

4117 }

4118 \ProvideTextCommandDefault{\texttimes}{%

4119 \ensuremath{\times}

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}{\hebalet}
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}{\hebblamed}
4191 \DeclareInputText{237}{\hebfinalmem}
4192 \DeclareInputText{238}{\hebmem}
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{\textasciicaron}{}%
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{\text{\textlnot}}%
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}{\kern}
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}{\~}
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}{\textasciicute}  
 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{\^{\scriptscriptstyle 1}}}%
4415 }
4416 \ProvideTextCommandDefault{\textpm}{\%
4417 \ensuremath{\pm}
4418 }
4419 \ProvideTextCommandDefault{\textthreesuperior}{\%
4420 \ensuremath{\text{\^{\scriptscriptstyle 3}}}%
4421 }
4422 \ProvideTextCommandDefault{\texttwosuperior}{\%
4423 \ensuremath{\text{\^{\scriptscriptstyle 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{\text{\^{\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{\text{\^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}{\textgreatequal}  
 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}{\textSFl}  
 4580 \DeclareInputText{170}{\textSFxlix}  
 4581 \DeclareInputText{171}{\textSFxxxviii}  
 4582 \DeclareInputText{172}{\textSFxxviii}  
 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}{\textSFxlvi}  
 4593 \DeclareInputText{183}{\textSFxlvi}  
 4594 \DeclareInputText{184}{\textSFxli}  
 4595 \DeclareInputText{185}{\textSFxlv}  
 4596 \DeclareInputText{186}{\textSFxlv}  
 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}{\cyrll}

```

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}{\cyrS}
4622 \DeclareInputText{212}{\cyrT}
4623 \DeclareInputText{213}{\cyrU}
4624 \DeclareInputText{214}{\cyrZH}
4625 \DeclareInputText{215}{\cyrV}
4626 \DeclareInputText{216}{\cyrSFTSN}
4627 \DeclareInputText{217}{\cyrERY}
4628 \DeclareInputText{218}{\cyrZ}
4629 \DeclareInputText{219}{\cyrSH}
4630 \DeclareInputText{220}{\cyrREV}
4631 \DeclareInputText{221}{\cyrSHCH}
4632 \DeclareInputText{222}{\cyrCH}
4633 \DeclareInputText{223}{\cyrHRDSN}
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}{\CYRREV}
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{\textasciieresis}{%
4677   "{}%
4678 }
4679 \ProvideTextCommandDefault{\textdegree}{%
4680   \ensuremath{{}^\circ}}%
4681 }
4682 \ProvideTextCommandDefault{\textdiv}{%
4683   \TextSymbolUnavailable\textdiv
4684 }
4685 \ProvideTextCommandDefault{\textgreaterorequal}{%
4686   \ensuremath{\geq}
4687 }
4688 \ProvideTextCommandDefault{\textincrement}{%
4689   \ensuremath{\Delta}
4690 }
4691 \ProvideTextCommandDefault{\textlessequal}{%
4692   \ensuremath{\leq}
4693 }
4694 \ProvideTextCommandDefault{\textlnot}{%
4695   \ensuremath{\lnot}
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}{\cyrkje}  
 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}{\cyr}
5011 \DeclareInputText{236}{\cyr}
5012 \DeclareInputText{237}{\cyrn}
5013 \DeclareInputText{238}{\cyro}
5014 \DeclareInputText{239}{\cyrp}
5015 \DeclareInputText{240}{\cyr}
5016 \DeclareInputText{241}{\cyr}
5017 \DeclareInputText{242}{\cyr}
5018 \DeclareInputText{243}{\cyr}
5019 \DeclareInputText{244}{\cyr}
5020 \DeclareInputText{245}{\cyr}
5021 \DeclareInputText{246}{\cyr}
5022 \DeclareInputText{247}{\cyr}
5023 \DeclareInputText{248}{\cyr}
5024 \DeclareInputText{249}{\cyr}
5025 \DeclareInputText{250}{\cyr}
5026 \DeclareInputText{251}{\cyr}
5027 \DeclareInputText{252}{\cyr}
5028 \DeclareInputText{253}{\cyr}
5029 \DeclareInputText{254}{\cyr}
5030 \DeclareInputText{255}{\texteuro}
5031 \RestoreAtCatcode
5032 \</mac-cyrillic>

```

### 2.5.32 Encoding mac-roman

```

5033 \<*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{\textasciicute}{%
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}{\textasciicute}  
 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{\textasciicute}{%
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{\lnot}
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{{}^1}%
5315 }
5316 \ProvideTextCommandDefault{\textpm}{%
5317 \ensuremath{\pm}
5318 }
5319 \ProvideTextCommandDefault{\textthreequarters}{%
5320 \ensuremath{\frac{3}{4}}%
5321 }
5322 \ProvideTextCommandDefault{\textthreesuperior}{%
5323 \ensuremath{{}^3}%
5324 }
5325 \ProvideTextCommandDefault{\texttimes}{%
5326 \ensuremath{\times}
5327 }
5328 \ProvideTextCommandDefault{\texttwosuperior}{%
5329 \ensuremath{{}^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}{fi}  
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 \DeclareUnicodeCharacter{03C3}{\textsigma}  
5600 \DeclareUnicodeCharacter{03C4}{\texttau}  
5601 \DeclareUnicodeCharacter{03C6}{\textphi}  
5602 \DeclareUnicodeCharacter{0403}{\@tabacckludge\CYRG}  
5603 \DeclareUnicodeCharacter{040C}{\@tabacckludge\CYRK}  
5604 \DeclareUnicodeCharacter{0453}{\@tabacckludge\cyrg}  
5605 \DeclareUnicodeCharacter{045C}{\@tabacckludge\cyrk}  
5606 \DeclareUnicodeCharacter{05D0}{\hebalet}  
5607 \DeclareUnicodeCharacter{05D1}{\hebbet}  
5608 \DeclareUnicodeCharacter{05D2}{\hebgimel}  
5609 \DeclareUnicodeCharacter{05D3}{\hebdalet}  
5610 \DeclareUnicodeCharacter{05D4}{\hebhe}  
5611 \DeclareUnicodeCharacter{05D5}{\hebvav}  
5612 \DeclareUnicodeCharacter{05D6}{\hebzayin}  
5613 \DeclareUnicodeCharacter{05D7}{\hebbet}  
5614 \DeclareUnicodeCharacter{05D8}{\hebtet}  
5615 \DeclareUnicodeCharacter{05D9}{\hebyod}  
5616 \DeclareUnicodeCharacter{05DA}{\hebfinalkaf}  
5617 \DeclareUnicodeCharacter{05DB}{\hebkaf}  
5618 \DeclareUnicodeCharacter{05DC}{\heblamed}  
5619 \DeclareUnicodeCharacter{05DD}{\hebfinalmem}  
5620 \DeclareUnicodeCharacter{05DE}{\hebmem}  
5621 \DeclareUnicodeCharacter{05DF}{\hebfinalnun}  
5622 \DeclareUnicodeCharacter{05E0}{\hebnnun}  
5623 \DeclareUnicodeCharacter{05E1}{\hebsamekh}  
5624 \DeclareUnicodeCharacter{05E2}{\hebayin}  
5625 \DeclareUnicodeCharacter{05E3}{\hebfinalpe}  
5626 \DeclareUnicodeCharacter{05E4}{\hebpe}  
5627 \DeclareUnicodeCharacter{05E5}{\hebfinaltsadi}  
5628 \DeclareUnicodeCharacter{05E6}{\hebtsadi}  
5629 \DeclareUnicodeCharacter{05E7}{\hebqof}  
5630 \DeclareUnicodeCharacter{05E8}{\hebresh}  
5631 \DeclareUnicodeCharacter{05E9}{\hebshin}  
5632 \DeclareUnicodeCharacter{05EA}{\hebtav}  
5633 \DeclareUnicodeCharacter{2015}{\texthorizontalbar}  
5634 \DeclareUnicodeCharacter{2017}{\textdbllowline}  
5635 \DeclareUnicodeCharacter{207F}{\textnsuperior}  
5636 \DeclareUnicodeCharacter{20A7}{\textpeseta}  
5637 \DeclareUnicodeCharacter{2202}{\textpartial}  
5638 \DeclareUnicodeCharacter{2206}{\textincrement}  
5639 \DeclareUnicodeCharacter{2208}{\textelement}  
5640 \DeclareUnicodeCharacter{220F}{\textproduct}  
5641 \DeclareUnicodeCharacter{2211}{\textsummation}  
5642 \DeclareUnicodeCharacter{2219}{\textbullet}  
5643 \DeclareUnicodeCharacter{221A}{\textsurd}  
5644 \DeclareUnicodeCharacter{221E}{\textinfinity}  
5645 \DeclareUnicodeCharacter{2227}{\textcap}  
5646 \DeclareUnicodeCharacter{2229}{\textintersection}  
5647 \DeclareUnicodeCharacter{222B}{\textintegral}  
5648 \DeclareUnicodeCharacter{222E}{\textcontourintegral}  
5649 \DeclareUnicodeCharacter{2248}{\textapproxequal}  
5650 \DeclareUnicodeCharacter{2260}{\textnotequal}  
5651 \DeclareUnicodeCharacter{2261}{\textequivalence}  
5652 \DeclareUnicodeCharacter{2264}{\textlessequal}  
5653 \DeclareUnicodeCharacter{2265}{\textgreaterequal}  
5654 \DeclareUnicodeCharacter{2310}{\textrevlogicalnot}  
5655 \DeclareUnicodeCharacter{25A0}{\textblacksquare}  
5656 \DeclareUnicodeCharacter{25CA}{\textlozenge}  
5657 \DeclareUnicodeCharacter{FB01}{\fi}  
5658 \DeclareUnicodeCharacter{FB02}{\fi}  
5659 \DeclareUnicodeCharacter{2500}{\textSFx}  
5660 \DeclareUnicodeCharacter{2502}{\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}{\textSFxliii}
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}{\textSFI}
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}{\textSFxlvii}
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}{\textltlshade}
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 (inputenx)]%

```

*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 (inputenx)]%

```

*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  $\text{\LaTeX}$  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}{\text{\Ver}% = \l}
5732 \DeclareMathMeaning{\textbeta}{\beta}
5733 \DeclareMathMeaning{\textbullet}{\bullet}
5734 \DeclareMathMeaning{\textcap}{\cap}
5735 \DeclareMathMeaning{\textcontourintegral}{\oint}
5736 \DeclareMathMeaning{\textcopyright}{\text{\nfss@text{\textcopyright}}}
5737 \DeclareMathMeaning{\textcup}{\cup}
5738 \DeclareMathMeaning{\textdagger}{\dagger}
5739 \DeclareMathMeaning{\textdaggerdbl}{\dagger}
5740 \DeclareMathMeaning{\textdegree}{\text{\circ}}
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}{\text{\^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}{\angle}
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 \end{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  $\text{\LaTeX}$  without extra packages.

```

5795 \begin{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{\textcompwordmark}{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 \end{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 \enddfudoc

```

## 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  $\text{\TeX}$ :

```
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>

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## 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: `\^j` → `\^\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.

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<code>\textsurd</code> . . . . .	384, 520, 2240, 2373, 3230, 3360, 3395, 3521, 4534, 4561, 4709, 4779, 4900, 4970, 5122, 5195, 5643, 5786	<code>\textvisiblespace</code> . . . . .
<code>\TextSymbolUnavailable</code> . . . . .	. . . . .	5893
. . . . .	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>\textyen</code> . . . . .
<code>\texttau</code> . . . . .	387, 502, 2243, 2355, 3233, 3342, 5600, 5787	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>\textTheta</code> . . . . .	285, 504, 2153, 2357, 3143, 3344, 5590, 5788	<code>\TH</code> . . . . .
<code>\textthreequarters</code> . . . . .	. . . . .	651, 1581, 1974, 2564, 3100, 4026, 5362, 5826
. . . . .	574, 619, 1264, 1308, 1386, 1431, 1655, 1697, 2445, 2575,	<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>			
<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,		
<b>Z</b>			
<code>\z@</code>	1097, 2022, 2773, 3385, 3727, 4887		