

# 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 up-to-date replacement for package `inputenc`.

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\*Please report any issues at <https://github.com/ho-tex/inputenx/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 up-to-date 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`, e.g.:

```
\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`:

x-ascii.def	ascii, us-ascii, clean7bit, ascii-print, ascii-printable	ASCII encoding, 8bit characters disabled
x-atarist.def	atarist, atari	AtariST encoding
x-cp437.def	cp437, cp437de	Code page 437
x-cp850.def	cp850	Code page 850
x-cp852.def	cp852	Code page 852
x-cp855.def	cp855	Code page 855
x-cp858.def	cp858	Code page 858
x-cp865.def	cp865	Code page 865
x-cp866.def	cp866	Code page 866
x-cp1250.def	cp1250	Code page 1250

x-cp1251.def	cp1251	Code page 1251
x-cp1252.def	cp1252, ansinew	Code page 1252
x-cp1255.def	cp1255	Code page 1255
x-cp1257.def	cp1257	Code page 1257
x-dec-mcs.def	dec-mcs, decmulti	DEC Multinational
x-koi8-r.def	koi8-r	KOI8-R (RFC1489)
x-iso-8859-1.def	iso-8859-1, latin1	ISO-8859-1
x-iso-8859-2.def	iso-8859-2, latin2	ISO-8859-2
x-iso-8859-3.def	iso-8859-3, latin3	ISO-8859-3
x-iso-8859-4.def	iso-8859-4, latin4	ISO-8859-4
x-iso-8859-5.def	iso-8859-5, iso88595	ISO-8859-5
x-iso-8859-9.def	iso-8859-9, latin5	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 {\langle encoding \rangle}
```

After package `inputenx` is loaded an encoding can be set or changed using `\InputEncoding`. Its `\langle encoding \rangle` 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 {\langle code\rangle}
\AfterInputEncoding {\langle code\rangle}
```

`\InputEncoding` supports two hooks that are called at the beginning and the end after the encoding is set. `\langle code\rangle` 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 [2019/11/29 v1.12 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   @onelvel@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   @onelvel@sanitize\IEX@temp
85   \ifx\IEX@temp\CurrentInputEncodingName
86     \edef\IEX@temp{\#2}%
87     @onelvel@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{inputenx}{%
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\ifiIEX@math
103 \DeclareOption{math}{\IEX@mathtrue}
104 \let\IEX@enclist\empty
105 \DeclareOption*{%
106   \ifx\IEX@enclist\empty
107     \let\IEX@enclist\CurrentOption
108   \else
109     \edef\IEX@enclist{\IEX@enclist,\CurrentOption}%
110   \fi
111 }
112 \ProcessOptions*

```

### 2.3.2 Load **inputenc** with encoding options

```

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

```

### 2.3.3 \InputEncoding

\IEX@BeforeHook

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

\IEX@AfterHook

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

\BeforeInputEncoding

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

\AfterInputEncoding

```
136 \newcommand*{\AfterInputEncoding}{%
137   \g@addto@macro\IEX@AfterHook
138 }
```

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

```

139 \newcommand*{\InputEncoding}[1]{%
140   \let\InputEncodingNameOld\CurrentInputEncodingName
141   \let\InputEncodingOptionOld\CurrentInputEncodingOption
142   \edef\InputEncodingNew{\#1}%
143   \IEX@BeforeHook
144   \IEX@LookupEncoding\InputEncodingNew
145   \ifx\CurrentInputEncodingOption\@empty
146   \else
147     \IEX@SaveFileCatcodes
148     \IEX@SetFileCatcodes
149     \inputencoding{\CurrentInputEncodingOption}%
150     \IEX@RestoreFileCatcodes
151   %
152   %
153   %
154   %
155   %
156   %
157   %

```

```

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 
```

## 2.4 Alias encoding file

```

175 (*alias)
176 \ProvidesFile{ix-alias.def}[2019/11/29 v1.12 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   [2019/11/29 v1.12 Input encoding ascii (inputenx)]%
240 \csname @inpenc@test\endcsname
241 </ascii>
```

### 2.5.2 Encoding verbatim

```
242 /*verbatim*/
243 \ProvidesFile{x-verbatim.def}%
244   [2019/11/29 v1.12 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 [2019/11/29 v1.12 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{\textapprox}{%
292   \ensuremath{\approx}
293 }
294 \ProvideTextCommandDefault{\textasciiaacute}{%
295   \@tabacckludge{'{}}
296 }
297 \ProvideTextCommandDefault{\textasciidieresis}{%
298   \{"{}}
299 }
300 \ProvideTextCommandDefault{\textasciimacron}{%
301   \@tabacckludge={{}}
302 }
303 \ProvideTextCommandDefault{\textbeta}{%
304   \ensuremath{\beta}
305 }
306 \ProvideTextCommandDefault{\textcap}{%
307   \ensuremath{\cap}
308 }
309 \ProvideTextCommandDefault{\textcent}{%
310   \TextSymbolUnavailable{textcent}
311 }

```

```

312 \ProvideTextCommandDefault{\textcontourintegral}{%
313   \ensuremath\oint
314 }
315 \ProvideTextCommandDefault{\textdegree}{%
316   \ensuremath{^\circ}%
317 }
318 \ProvideTextCommandDefault{\textdelta}{%
319   \ensuremath\delta
320 }
321 \ProvideTextCommandDefault{\textdiv}{%
322   \TextSymbolUnavailable\textdiv
323 }
324 \ProvideTextCommandDefault{\textelement}{%
325   \ensuremath\in
326 }
327 \ProvideTextCommandDefault{\textequivalence}{%
328   \ensuremath\equiv
329 }
330 \ProvideTextCommandDefault{\textflorin}{%
331   \textit{f}%
332 }
333 \ProvideTextCommandDefault{\textgreaterequal}{%
334   \ensuremath\geq
335 }
336 \ProvideTextCommandDefault{\textinfinity}{%
337   \ensuremath\infty
338 }
339 \ProvideTextCommandDefault{\textintersection}{%
340   \ensuremath\cap
341 }
342 \ProvideTextCommandDefault{\textlessequal}{%
343   \ensuremath\leq
344 }
345 \ProvideTextCommandDefault{\textlnot}{%
346   \ensuremath\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}
401 \DeclareInputText{130}{\@tabacckludge'e}
402 \DeclareInputText{131}{\`a}
403 \DeclareInputText{132}{\"a}
404 \DeclareInputText{133}{\@tabacckludge'a}
405 \DeclareInputText{134}{\r a}
406 \DeclareInputText{135}{\c c}
407 \DeclareInputText{136}{\^e}
408 \DeclareInputText{137}{\"e}
409 \DeclareInputText{138}{\@tabacckludge'e}
410 \DeclareInputText{139}{\"i}
411 \DeclareInputText{140}{\`i}
412 \DeclareInputText{141}{\@tabacckludge'i}
413 \DeclareInputText{142}{\"A}
414 \DeclareInputText{143}{\r A}
415 \DeclareInputText{144}{\@tabacckludge'E}
416 \DeclareInputText{145}{\ae}
417 \DeclareInputText{146}{\AE}
418 \DeclareInputText{147}{\^o}
419 \DeclareInputText{148}{\"o}
420 \DeclareInputText{149}{\@tabacckludge'o}
421 \DeclareInputText{150}{\`u}
422 \DeclareInputText{151}{\@tabacckludge'u}
423 \DeclareInputText{152}{\"y}
424 \DeclareInputText{153}{\"O}
425 \DeclareInputText{154}{\"U}
426 \DeclareInputText{155}{\textcent}
427 \DeclareInputText{156}{\textsterling}

```

```

428 \DeclareInputText{157}{\textyen}
429 \DeclareInputText{158}{\ss}
430 \DeclareInputText{159}{\textflorin}
431 \DeclareInputText{160}{\texttabacckludge'a}
432 \DeclareInputText{161}{\texttabacckludge'i}
433 \DeclareInputText{162}{\texttabacckludge'o}
434 \DeclareInputText{163}{\texttabacckludge'u}
435 \DeclareInputText{164}{\textn}
436 \DeclareInputText{165}{\textN}
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}{\texta}
448 \DeclareInputText{177}{\texto}
449 \DeclareInputText{178}{\textO}
450 \DeclareInputText{179}{\texto}
451 \DeclareInputText{180}{\textoe}
452 \DeclareInputText{181}{\textOE}
453 \DeclareInputText{182}{\textabacckludge'A}
454 \DeclareInputText{183}{\textA}
455 \DeclareInputText{184}{\textO}
456 \DeclareInputText{185}{\textasciidieresis}
457 \DeclareInputText{186}{\textasciiaacute}
458 \DeclareInputText{187}{\textdagger}
459 \DeclareInputText{188}{\textparagraph}
460 \DeclareInputText{189}{\textcopyright}
461 \DeclareInputText{190}{\textregistered}
462 \DeclareInputText{191}{\texttrademark}
463 \DeclareInputText{192}{\textij}
464 \DeclareInputText{193}{\textIJ}
465 \DeclareInputText{194}{\textbalef}
466 \DeclareInputText{195}{\textbbet}
467 \DeclareInputText{196}{\textbgimel}
468 \DeclareInputText{197}{\textdalet}
469 \DeclareInputText{198}{\textbhe}
470 \DeclareInputText{199}{\textbvav}
471 \DeclareInputText{200}{\textbzayin}
472 \DeclareInputText{201}{\textbhet}
473 \DeclareInputText{202}{\textbtet}
474 \DeclareInputText{203}{\textbyod}
475 \DeclareInputText{204}{\textkaf}
476 \DeclareInputText{205}{\textblamed}
477 \DeclareInputText{206}{\textmem}
478 \DeclareInputText{207}{\textnun}
479 \DeclareInputText{208}{\textsamekh}
480 \DeclareInputText{209}{\textbayin}
481 \DeclareInputText{210}{\textpe}
482 \DeclareInputText{211}{\texttsadi}
483 \DeclareInputText{212}{\textqof}
484 \DeclareInputText{213}{\textresh}
485 \DeclareInputText{214}{\textshin}

```

```

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}{\textlesseqequal}
515 \DeclareInputText{246}{\textdiv}
516 \DeclareInputText{247}{\textapproxeq}
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 
```

#### 2.5.4 Encoding iso-8859-1

```

527 {*iso-8859-1}
528 \ProvidesFile{x-iso-8859-1.def}%
529   [2019/11/29 v1.12 Input encoding iso-8859-1 (inputenx)]%
530 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
531 \makeatletter
532 \ProvideTextCommandDefault{\textasciiaacute}{%
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{\text{\textlnot}}%
558 }
559 \ProvideTextCommandDefault{\textmu}{%
560   \ensuremath{\text{\textmu}}%
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}{\textasciidiereesis}
598 \DeclareInputText{169}{\textcopyright}
599 \DeclareInputText{170}{\textordfeminine}

```

```

600 \DeclareInputText{171}{\guillemotleft}
601 \DeclareInputText{172}{\textlnot}
602 \DeclareInputText{173}{\textasciideclit}
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}{\textasciiaacute}
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}{\textat{@}tabacckludge'A}
622 \DeclareInputText{193}{\textat{@}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}{\textat{@}tabacckludge'E}
630 \DeclareInputText{201}{\textat{@}tabacckludge'E}
631 \DeclareInputText{202}{\^E}
632 \DeclareInputText{203}{\"E}
633 \DeclareInputText{204}{\textat{@}tabacckludge'I}
634 \DeclareInputText{205}{\textat{@}tabacckludge'I}
635 \DeclareInputText{206}{\^I}
636 \DeclareInputText{207}{\"I}
637 \DeclareInputText{208}{\DH}
638 \DeclareInputText{209}{\^N}
639 \DeclareInputText{210}{\textat{@}tabacckludge'0}
640 \DeclareInputText{211}{\textat{@}tabacckludge'0}
641 \DeclareInputText{212}{\^O}
642 \DeclareInputText{213}{\~O}
643 \DeclareInputText{214}{\"O}
644 \DeclareInputText{215}{\texttt{times}}
645 \DeclareInputText{216}{\texttt{O}}
646 \DeclareInputText{217}{\textat{@}tabacckludge'U}
647 \DeclareInputText{218}{\textat{@}tabacckludge'U}
648 \DeclareInputText{219}{\^U}
649 \DeclareInputText{220}{\"U}
650 \DeclareInputText{221}{\textat{@}tabacckludge'Y}
651 \DeclareInputText{222}{\texttt{TH}}
652 \DeclareInputText{223}{\texttt{ss}}
653 \DeclareInputText{224}{\textat{@}tabacckludge'a}
654 \DeclareInputText{225}{\textat{@}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 [2019/11/29 v1.12 Input encoding iso-8859-2 (inputenx)]%
690 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
691 \makeatletter
692 \ProvideTextCommandDefault{\textacutedbl}{%
693   \H{}}%
694 }
695 \ProvideTextCommandDefault{\textasciacute}{%
696   \tabackludge'}{}%
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}{\kern .1em A}
721 \DeclareInputText{162}{\textasciibreve}
722 \DeclareInputText{163}{\textL}
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}{\kern .1em a}
737 \DeclareInputText{178}{\kern .1em{}}
738 \DeclareInputText{179}{\lone}
739 \DeclareInputText{180}{\textasciiaacute}
740 \DeclareInputText{181}{\v lone}
741 \DeclareInputText{182}{\@tabacckludge's}
742 \DeclareInputText{183}{\textasciicaron}
743 \DeclareInputText{184}{\c 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}{\kern .1em 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'0}
771 \DeclareInputText{212}{\^O}

```

```

772 \DeclareInputText{213}{\H 0}
773 \DeclareInputText{214}{\"0}
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   [2019/11/29 v1.12 Input encoding iso-8859-3 (inputenx)]%
820 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
821 \makeatletter
822 \ProvideTextCommandDefault{\textasciiaacute}{%
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}{\textasciitilde H}
867 \DeclareInputText{167}{\textsection}
868 \DeclareInputText{168}{\textasciidieresis}
869 \DeclareInputText{169}{\textasciitilde I}
870 \DeclareInputText{170}{\textasciitilde S}
871 \DeclareInputText{171}{\textasciitilde G}
872 \DeclareInputText{172}{\textasciitilde J}
873 \DeclareInputText{173}{\textasciitilde -}
874 \DeclareInputText{175}{\textasciitilde Z}
875 \DeclareInputText{176}{\textdegree}
876 \DeclareInputText{177}{\textmalteseh}
877 \DeclareInputText{178}{\texttwosuperior}
878 \DeclareInputText{179}{\textthreesuperior}
879 \DeclareInputText{180}{\textasciiaacute}
880 \DeclareInputText{181}{\textmu}
881 \DeclareInputText{182}{\textasciitilde h}
882 \DeclareInputText{183}{\textperiodcentered}
883 \DeclareInputText{184}{\textasciicircum}
884 \DeclareInputText{185}{\textasciitilde i}
885 \DeclareInputText{186}{\textasciitilde 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'0}
907 \DeclareInputText{211}{\@tabacckludge'0}
908 \DeclareInputText{212}{\^0}
909 \DeclareInputText{213}{\.G}
910 \DeclareInputText{214}{\"0}
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 
```

### 2.5.7 Encoding iso-8859-4

```

952 (*iso-8859-4)
953 \ProvidesFile{x-iso-8859-4.def}%
954 [2019/11/29 v1.12 Input encoding iso-8859-4 (inputenx)]%
955 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
956 \makeatletter
957 \ProvideTextCommandDefault{\textTstroke}{%
958   \TextSymbolUnavailable\textTstroke
959 }
960 \ProvideTextCommandDefault{\textasciiacute}{%
961   \@tabacckludge'{}%
962 }
963 \ProvideTextCommandDefault{\textasciicaron}{%
964   \v{}%
965 }
966 \ProvideTextCommandDefault{\textasciidieresis}{%
967   \"{}%
968 }
969 \ProvideTextCommandDefault{\textasciimacron}{%
970   \@tabacckludge={}}%
971 }
972 \ProvideTextCommandDefault{\textcurrency}{%
973   \TextSymbolUnavailable\textcurrency
974 }
975 \ProvideTextCommandDefault{\textdegree}{%
976   \ensuremath{{}^\circ}%
977 }
978 \ProvideTextCommandDefault{\textdiv}{%
979   \TextSymbolUnavailable\textdiv
980 }
981 \ProvideTextCommandDefault{\textkra}{%
982   \TextSymbolUnavailable\textkra
983 }
984 \ProvideTextCommandDefault{\texttimes}{%
985   \ensuremath{\times}
986 }
987 \ProvideTextCommandDefault{\texttstroke}{%
988   \TextSymbolUnavailable\texttstroke
989 }
990 \DeclareInputText{160}{\nobreakspace}
991 \DeclareInputText{161}{\k A}
992 \DeclareInputText{162}{\textkra}
993 \DeclareInputText{163}{\c R}
994 \DeclareInputText{164}{\textcurrency}
995 \DeclareInputText{165}{\^I}
996 \DeclareInputText{166}{\c L}
997 \DeclareInputText{167}{\textsection}
998 \DeclareInputText{168}{\textasciidieresis}
999 \DeclareInputText{169}{\v S}

```

```

1000 \DeclareInputText{170}{\@tabacckludge=E}
1001 \DeclareInputText{171}{\c G}
1002 \DeclareInputText{172}{\textTstroke}
1003 \DeclareInputText{173}{\`}
1004 \DeclareInputText{174}{\v Z}
1005 \DeclareInputText{175}{\textasciimacron}
1006 \DeclareInputText{176}{\textdegree}
1007 \DeclareInputText{177}{\k a}
1008 \DeclareInputText{178}{\k{}}
1009 \DeclareInputText{179}{\c r}
1010 \DeclareInputText{180}{\textasciacute}
1011 \DeclareInputText{181}{\^i}
1012 \DeclareInputText{182}{\c l}
1013 \DeclareInputText{183}{\textascicaron}
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 
```

## 2.5.8 Encoding iso-8859-5

```

1088 {*iso-8859-5}
1089 \ProvidesFile{x-iso-8859-5.def}%
1090   [2019/11/29 v1.12 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     \crcr
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}{\cyrly}
1167 \DeclareInputText{220}{\cyrm}
1168 \DeclareInputText{221}{\cyrn}
1169 \DeclareInputText{222}{\cyro}
1170 \DeclareInputText{223}{\cyrp}
1171 \DeclareInputText{224}{\cyrr}
```

```

1172 \DeclareInputText{225}{\cyrs}
1173 \DeclareInputText{226}{\cyrt}
1174 \DeclareInputText{227}{\cyrus}
1175 \DeclareInputText{228}{\cyrf}
1176 \DeclareInputText{229}{\cyrh}
1177 \DeclareInputText{230}{\cyrct}
1178 \DeclareInputText{231}{\cyrch}
1179 \DeclareInputText{232}{\cyrsh}
1180 \DeclareInputText{233}{\cyrshch}
1181 \DeclareInputText{234}{\cyrhrdsn}
1182 \DeclareInputText{235}{\cyrery}
1183 \DeclareInputText{236}{\cyrfts}
1184 \DeclareInputText{237}{\cyrerev}
1185 \DeclareInputText{238}{\cyyru}
1186 \DeclareInputText{239}{\cyyra}
1187 \DeclareInputText{240}{\textnumero}
1188 \DeclareInputText{241}{\cyyro}
1189 \DeclareInputText{242}{\cyyrdje}
1190 \DeclareInputText{243}{\@tabacckludge'\cyrq}
1191 \DeclareInputText{244}{\cyyrie}
1192 \DeclareInputText{245}{\cyyrdze}
1193 \DeclareInputText{246}{\cyyrii}
1194 \DeclareInputText{247}{\cyyrii}
1195 \DeclareInputText{248}{\cyyrje}
1196 \DeclareInputText{249}{\cyyrlje}
1197 \DeclareInputText{250}{\cyyrnje}
1198 \DeclareInputText{251}{\cyyrtshe}
1199 \DeclareInputText{252}{\@tabacckludge'\cyrk}
1200 \DeclareInputText{253}{\textsection}
1201 \DeclareInputText{254}{\cyyrushrt}
1202 \DeclareInputText{255}{\cyyrdzhe}
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   [2019/11/29 v1.12 Input encoding iso-8859-8 (inputenx)]%
1208 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
1209 \makeatletter
1210 \ProvideTextCommandDefault{\textasciiaacute}{%
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{{^\circ}}%
1242 }
1243 \ProvideTextCommandDefault{\textdiv}{%
1244   \TextSymbolUnavailable{textdiv}
1245 }
1246 \ProvideTextCommandDefault{\textlnot}{%
1247   \ensuremath{\backslash lnot}
1248 }
1249 \ProvideTextCommandDefault{\textmu}{%
1250   \ensuremath{\mu}
1251 }
1252 \ProvideTextCommandDefault{\textonehalf}{%
1253   \ensuremath{\frac{1}{2}}%
1254 }
1255 \ProvideTextCommandDefault{\textonequarter}{%
1256   \ensuremath{\frac{1}{4}}%
1257 }
1258 \ProvideTextCommandDefault{\textonesuperior}{%
1259   \ensuremath{{^1}}%
1260 }
1261 \ProvideTextCommandDefault{\textpm}{%
1262   \ensuremath{\pm}
1263 }
1264 \ProvideTextCommandDefault{\textthreequarters}{%
1265   \ensuremath{\frac{3}{4}}%
1266 }
1267 \ProvideTextCommandDefault{\textthreesuperior}{%
1268   \ensuremath{{^3}}%
1269 }
1270 \ProvideTextCommandDefault{\texttimes}{%
1271   \ensuremath{\times}
1272 }
1273 \ProvideTextCommandDefault{\texttwosuperior}{%
1274   \ensuremath{{^2}}%
1275 }
1276 \ProvideTextCommandDefault{\textyen}{%
1277   \TextSymbolUnavailable{textyen}
1278 }
1279 \DeclareInputText{160}{\nobreakspace}
1280 \DeclareInputText{162}{\textcent}
1281 \DeclareInputText{163}{\textsterling}
1282 \DeclareInputText{164}{\textcurrency}
1283 \DeclareInputText{165}{\textyen}
1284 \DeclareInputText{166}{\textbrokenbar}
1285 \DeclareInputText{167}{\textsection}

```

```

1286 \DeclareInputText{168}{\textasciidieresis}
1287 \DeclareInputText{169}{\textcopyright}
1288 \DeclareInputText{170}{\texttimes}
1289 \DeclareInputText{171}{\guillemotleft}
1290 \DeclareInputText{172}{\textlnot}
1291 \DeclareInputText{173}{\textendash}
1292 \DeclareInputText{174}{\textregistered}
1293 \DeclareInputText{175}{\textasciimacron}
1294 \DeclareInputText{176}{\textdegree}
1295 \DeclareInputText{177}{\textpm}
1296 \DeclareInputText{178}{\texttwouperior}
1297 \DeclareInputText{179}{\textthreuperior}
1298 \DeclareInputText{180}{\textasciacute}
1299 \DeclareInputText{181}{\textmu}
1300 \DeclareInputText{182}{\textparagraph}
1301 \DeclareInputText{183}{\textperiodcentered}
1302 \DeclareInputText{184}{\textcelsius}
1303 \DeclareInputText{185}{\textonesuperior}
1304 \DeclareInputText{186}{\textdiv}
1305 \DeclareInputText{187}{\guillemotright}
1306 \DeclareInputText{188}{\textonequarter}
1307 \DeclareInputText{189}{\textonehalf}
1308 \DeclareInputText{190}{\textthreequarters}
1309 \DeclareInputText{223}{\textdbllowline}
1310 \DeclareInputText{224}{\hebalef}
1311 \DeclareInputText{225}{\hebbet}
1312 \DeclareInputText{226}{\hebgimel}
1313 \DeclareInputText{227}{\hebdalet}
1314 \DeclareInputText{228}{\hebhe}
1315 \DeclareInputText{229}{\hebvav}
1316 \DeclareInputText{230}{\hebzayin}
1317 \DeclareInputText{231}{\hebheth}
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}{\hebmem}
1325 \DeclareInputText{239}{\hebfinalnun}
1326 \DeclareInputText{240}{\hebnun}
1327 \DeclareInputText{241}{\hebsamekh}
1328 \DeclareInputText{242}{\hebayin}
1329 \DeclareInputText{243}{\hebfinalpe}
1330 \DeclareInputText{244}{\hebpe}
1331 \DeclareInputText{245}{\hebfinaltsadi}
1332 \DeclareInputText{246}{\hebtsadi}
1333 \DeclareInputText{247}{\hebqof}
1334 \DeclareInputText{248}{\hebresh}
1335 \DeclareInputText{249}{\hebshin}
1336 \DeclareInputText{250}{\hebtav}
1337 \RestoreAtCatcode
1338 /iso-8859-8)

```

### 2.5.10 Encoding iso-8859-9

```

1339 (*iso-8859-9)
1340 \ProvidesFile{x-iso-8859-9.def}%
1341 [2019/11/29 v1.12 Input encoding iso-8859-9 (inputenx)]%

```

```

1342 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
1343 \makeatletter
1344 \ProvideTextCommandDefault{\textasciiaacute}{%
1345   \@tabacckludge'{}%
1346 }
1347 \ProvideTextCommandDefault{\textasciidieresis}{%
1348   \"{}%
1349 }
1350 \ProvideTextCommandDefault{\textasciimacron}{%
1351   \@tabacckludge={{}%
1352 }
1353 \ProvideTextCommandDefault{\textbrokenbar}{%
1354   \TextSymbolUnavailable\textbrokenbar
1355 }
1356 \ProvideTextCommandDefault{\textcent}{%
1357   \TextSymbolUnavailable\textcent
1358 }
1359 \ProvideTextCommandDefault{\textcurrency}{%
1360   \TextSymbolUnavailable\textcurrency
1361 }
1362 \ProvideTextCommandDefault{\textdegree}{%
1363   \ensuremath{{}^{\circ}}%
1364 }
1365 \ProvideTextCommandDefault{\textdiv}{%
1366   \TextSymbolUnavailable\textdiv
1367 }
1368 \ProvideTextCommandDefault{\textlnot}{%
1369   \ensuremath{\backslash 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}{\textlnot}
1414 \DeclareInputText{173}{\textminus}
1415 \DeclareInputText{174}{\textregistered}
1416 \DeclareInputText{175}{\textasciimacron}
1417 \DeclareInputText{176}{\textdegree}
1418 \DeclareInputText{177}{\textpm}
1419 \DeclareInputText{178}{\texttwosuperior}
1420 \DeclareInputText{179}{\textthreesuperior}
1421 \DeclareInputText{180}{\textasciacute}
1422 \DeclareInputText{181}{\textmu}
1423 \DeclareInputText{182}{\textparagraph}
1424 \DeclareInputText{183}{\textperiodcentered}
1425 \DeclareInputText{184}{\c{c}}
1426 \DeclareInputText{185}{\textonesuperior}
1427 \DeclareInputText{186}{\textordmasculine}
1428 \DeclareInputText{187}{\guillemotright}
1429 \DeclareInputText{188}{\textonequarter}
1430 \DeclareInputText{189}{\textonehalf}
1431 \DeclareInputText{190}{\textthreequarters}
1432 \DeclareInputText{191}{\textquestiondown}
1433 \DeclareInputText{192}{\@tabacckludge'A}
1434 \DeclareInputText{193}{\@tabacckludge'A}
1435 \DeclareInputText{194}{\^A}
1436 \DeclareInputText{195}{\~A}
1437 \DeclareInputText{196}{\"A}
1438 \DeclareInputText{197}{\r A}
1439 \DeclareInputText{198}{\AE}
1440 \DeclareInputText{199}{\c C}
1441 \DeclareInputText{200}{\@tabacckludge'E}
1442 \DeclareInputText{201}{\@tabacckludge'E}
1443 \DeclareInputText{202}{\^E}
1444 \DeclareInputText{203}{\"E}
1445 \DeclareInputText{204}{\@tabacckludge'I}
1446 \DeclareInputText{205}{\@tabacckludge'I}
1447 \DeclareInputText{206}{\^I}
1448 \DeclareInputText{207}{\"I}
1449 \DeclareInputText{208}{\u G}
1450 \DeclareInputText{209}{\^N}
1451 \DeclareInputText{210}{\@tabacckludge'0}
1452 \DeclareInputText{211}{\@tabacckludge'0}
1453 \DeclareInputText{212}{\^0}
1454 \DeclareInputText{213}{\~0}
1455 \DeclareInputText{214}{\"0}
1456 \DeclareInputText{215}{\texttimes}
1457 \DeclareInputText{216}{\0}

```

```

1458 \DeclareInputText{217}{\@tabacckludge'U}
1459 \DeclareInputText{218}{\@tabacckludge'U}
1460 \DeclareInputText{219}{\^U}
1461 \DeclareInputText{220}{\"U}
1462 \DeclareInputText{221}{.\I}
1463 \DeclareInputText{222}{c S}
1464 \DeclareInputText{223}{ss}
1465 \DeclareInputText{224}{\@tabacckludge'a}
1466 \DeclareInputText{225}{\@tabacckludge'a}
1467 \DeclareInputText{226}{\`a}
1468 \DeclareInputText{227}{\~a}
1469 \DeclareInputText{228}{\"a}
1470 \DeclareInputText{229}{r a}
1471 \DeclareInputText{230}{ae}
1472 \DeclareInputText{231}{c c}
1473 \DeclareInputText{232}{\@tabacckludge'e}
1474 \DeclareInputText{233}{\@tabacckludge'e}
1475 \DeclareInputText{234}{\^e}
1476 \DeclareInputText{235}{\"e}
1477 \DeclareInputText{236}{\@tabacckludge'i}
1478 \DeclareInputText{237}{\@tabacckludge'i}
1479 \DeclareInputText{238}{\`i}
1480 \DeclareInputText{239}{\"i}
1481 \DeclareInputText{240}{u g}
1482 \DeclareInputText{241}{\^n}
1483 \DeclareInputText{242}{\@tabacckludge'o}
1484 \DeclareInputText{243}{\@tabacckludge'o}
1485 \DeclareInputText{244}{\^o}
1486 \DeclareInputText{245}{\~o}
1487 \DeclareInputText{246}{\"o}
1488 \DeclareInputText{247}{\textdiv}
1489 \DeclareInputText{248}{\o}
1490 \DeclareInputText{249}{\@tabacckludge'u}
1491 \DeclareInputText{250}{\@tabacckludge'u}
1492 \DeclareInputText{251}{\^u}
1493 \DeclareInputText{252}{\"u}
1494 \DeclareInputText{253}{\i}
1495 \DeclareInputText{254}{c s}
1496 \DeclareInputText{255}{\"y}
1497 \RestoreAtCatcode
1498 (/iso-8859-9)

```

### 2.5.11 Encoding iso-8859-10

```

1499 (*iso-8859-10)
1500 \ProvidesFile{x-iso-8859-10.def}%
1501   [2019/11/29 v1.12 Input encoding iso-8859-10 (inputenx)]%
1502 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
1503 \makeatletter
1504 \ProvideTextCommandDefault{\textTstroke}{%
1505   \TextSymbolUnavailable\textTstroke
1506 }
1507 \ProvideTextCommandDefault{\textdegree}{%
1508   \ensuremath{{}^\circ}%
1509 }
1510 \ProvideTextCommandDefault{\texthorizontalbar}{%
1511   \mbox{---}\kern-.5em---%
1512 }
1513 \ProvideTextCommandDefault{\textkra}{%

```

```

1514   \TextSymbolUnavailable{textkra
1515 }
1516 \ProvideTextCommandDefault{\texttstroke}{%
1517   \TextSymbolUnavailable{texttstroke
1518 }
1519 \DeclareInputText{160}{\nobreakspace}
1520 \DeclareInputText{161}{\k A}
1521 \DeclareInputText{162}{\@tabacckludge=E}
1522 \DeclareInputText{163}{\c G}
1523 \DeclareInputText{164}{\@tabacckludge=I}
1524 \DeclareInputText{165}{\^I}
1525 \DeclareInputText{166}{\c K}
1526 \DeclareInputText{167}{\textsection}
1527 \DeclareInputText{168}{\c L}
1528 \DeclareInputText{169}{\DJ}
1529 \DeclareInputText{170}{\v S}
1530 \DeclareInputText{171}{\textTstroke}
1531 \DeclareInputText{172}{\v Z}
1532 \DeclareInputText{173}{\`}
1533 \DeclareInputText{174}{\@tabacckludge=U}
1534 \DeclareInputText{175}{\NG}
1535 \DeclareInputText{176}{\textdegree}
1536 \DeclareInputText{177}{\k a}
1537 \DeclareInputText{178}{\@tabacckludge=e}
1538 \DeclareInputText{179}{\c g}
1539 \DeclareInputText{180}{\@tabacckludge=\i}
1540 \DeclareInputText{181}{\^{\i}}
1541 \DeclareInputText{182}{\c k}
1542 \DeclareInputText{183}{\textperiodcentered}
1543 \DeclareInputText{184}{\c l}
1544 \DeclareInputText{185}{\dj}
1545 \DeclareInputText{186}{\v s}
1546 \DeclareInputText{187}{\texttstroke}
1547 \DeclareInputText{188}{\v z}
1548 \DeclareInputText{189}{\texthorizontalbar}
1549 \DeclareInputText{190}{\@tabacckludge=u}
1550 \DeclareInputText{191}{\ng}
1551 \DeclareInputText{192}{\@tabacckludge=A}
1552 \DeclareInputText{193}{\@tabacckludge='A}
1553 \DeclareInputText{194}{\^A}
1554 \DeclareInputText{195}{\~A}
1555 \DeclareInputText{196}{\"A}
1556 \DeclareInputText{197}{\r A}
1557 \DeclareInputText{198}{\AE}
1558 \DeclareInputText{199}{\k I}
1559 \DeclareInputText{200}{\v C}
1560 \DeclareInputText{201}{\@tabacckludge'E}
1561 \DeclareInputText{202}{\k E}
1562 \DeclareInputText{203}{\"E}
1563 \DeclareInputText{204}{\.E}
1564 \DeclareInputText{205}{\@tabacckludge'I}
1565 \DeclareInputText{206}{\^I}
1566 \DeclareInputText{207}{\^{\i}}
1567 \DeclareInputText{208}{\DH}
1568 \DeclareInputText{209}{\c N}
1569 \DeclareInputText{210}{\@tabacckludge=0}
1570 \DeclareInputText{211}{\@tabacckludge'0}
1571 \DeclareInputText{212}{\^{\o}}

```

```

1572 \DeclareInputText{213}{\^0}
1573 \DeclareInputText{214}{\^0}
1574 \DeclareInputText{215}{\^U}
1575 \DeclareInputText{216}{\0}
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   [2019/11/29 v1.12 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{{}^{\circ}}%
1633 }
1634 \ProvideTextCommandDefault{\textdiv}{%
1635   \TextSymbolUnavailable{textdiv}
1636 }
1637 \ProvideTextCommandDefault{\textlnot}{%
1638   \ensuremath{\text{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{{}^1}}%
1651 }
1652 \ProvideTextCommandDefault{\textpm}{%
1653   \ensuremath{\pm}
1654 }
1655 \ProvideTextCommandDefault{\textthreequarters}{%
1656   \ensuremath{\frac{3}{4}}%
1657 }
1658 \ProvideTextCommandDefault{\textthreesuperior}{%
1659   \ensuremath{{}^3}}%
1660 }
1661 \ProvideTextCommandDefault{\texttimes}{%
1662   \ensuremath{\times}
1663 }
1664 \ProvideTextCommandDefault{\texttwosuperior}{%
1665   \ensuremath{{}^2}}%
1666 }
1667 \DeclareInputText{160}{\nobreakspace}
1668 \DeclareInputText{161}{\textquotedblright}
1669 \DeclareInputText{162}{\textcent}
1670 \DeclareInputText{163}{\textsterling}
1671 \DeclareInputText{164}{\textcurrency}
1672 \DeclareInputText{165}{\textquotedblbase}
1673 \DeclareInputText{166}{\textbrokenbar}
1674 \DeclareInputText{167}{\textsection}
1675 \DeclareInputText{168}{\textcircledcirc}
1676 \DeclareInputText{169}{\textcopyright}
1677 \DeclareInputText{170}{\c R}
1678 \DeclareInputText{171}{\guillemotleft}
1679 \DeclareInputText{172}{\textlnot}
1680 \DeclareInputText{173}{\textasciitilde}
1681 \DeclareInputText{174}{\textregistered}
1682 \DeclareInputText{175}{\textAE}
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}{\text{o}}
1692 \DeclareInputText{185}{\textonesuperior}
1693 \DeclareInputText{186}{\textcyr{r}}
1694 \DeclareInputText{187}{\textguillemotright}
1695 \DeclareInputText{188}{\textonequarter}
1696 \DeclareInputText{189}{\textonehalf}
1697 \DeclareInputText{190}{\textthreequarters}
1698 \DeclareInputText{191}{\textae}
1699 \DeclareInputText{192}{\textk{A}}
1700 \DeclareInputText{193}{\textk{I}}
1701 \DeclareInputText{194}{\texttabackludge{A}}
1702 \DeclareInputText{195}{\texttabackludge{C}}
1703 \DeclareInputText{196}{\text{A}}
1704 \DeclareInputText{197}{\textr{A}}
1705 \DeclareInputText{198}{\textk{E}}
1706 \DeclareInputText{199}{\texttabackludge{E}}
1707 \DeclareInputText{200}{\textv{C}}
1708 \DeclareInputText{201}{\texttabackludge{E}}
1709 \DeclareInputText{202}{\texttabackludge{Z}}
1710 \DeclareInputText{203}{\text.{E}}
1711 \DeclareInputText{204}{\textc{G}}
1712 \DeclareInputText{205}{\textc{K}}
1713 \DeclareInputText{206}{\texttabackludge{I}}
1714 \DeclareInputText{207}{\textc{L}}
1715 \DeclareInputText{208}{\textv{S}}
1716 \DeclareInputText{209}{\texttabackludge{N}}
1717 \DeclareInputText{210}{\textc{N}}
1718 \DeclareInputText{211}{\texttabackludge{O}}
1719 \DeclareInputText{212}{\texttabackludge{O}}
1720 \DeclareInputText{213}{\text{\~O}}
1721 \DeclareInputText{214}{\text{"O}}
1722 \DeclareInputText{215}{\textttimes}
1723 \DeclareInputText{216}{\textk{U}}
1724 \DeclareInputText{217}{\textL}
1725 \DeclareInputText{218}{\texttabackludge{S}}
1726 \DeclareInputText{219}{\texttabackludge{U}}
1727 \DeclareInputText{220}{\text"U}
1728 \DeclareInputText{221}{\text.{Z}}
1729 \DeclareInputText{222}{\textv{Z}}
1730 \DeclareInputText{223}{\textss}
1731 \DeclareInputText{224}{\textk{a}}
1732 \DeclareInputText{225}{\textk{i}}
1733 \DeclareInputText{226}{\texttabackludge{a}}
1734 \DeclareInputText{227}{\texttabackludge{c}}
1735 \DeclareInputText{228}{\text{"a}}
1736 \DeclareInputText{229}{\textr{a}}
1737 \DeclareInputText{230}{\textk{e}}
1738 \DeclareInputText{231}{\texttabackludge{e}}
1739 \DeclareInputText{232}{\textv{c}}
1740 \DeclareInputText{233}{\texttabackludge{e}}
1741 \DeclareInputText{234}{\texttabackludge{z}}
1742 \DeclareInputText{235}{\text.{e}}
1743 \DeclareInputText{236}{\textc{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 
```

### 2.5.13 Encoding iso-8859-14

```

1765 (*iso-8859-14)
1766 \ProvidesFile{x-iso-8859-14.def}%
1767   [2019/11/29 v1.12 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'0}
1821 \DeclareInputText{211}{\@tabacckludge'0}
1822 \DeclareInputText{212}{\^0}
1823 \DeclareInputText{213}{\~0}
1824 \DeclareInputText{214}{\"0}
1825 \DeclareInputText{215}{\.T}
1826 \DeclareInputText{216}{\0}
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 
```

## 2.5.14 Encoding iso-8859-15

```

1868 (*iso-8859-15)
1869 \ProvidesFile{x-iso-8859-15.def}%
1870   [2019/11/29 v1.12 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{{\textcircumflex}{}^\circ}}
1881 }
1882 \ProvideTextCommandDefault{\textdiv}{%
1883   \TextSymbolUnavailable{textdiv}
1884 }
1885 \ProvideTextCommandDefault{\texteuro}{%
1886   \TextSymbolUnavailable{texteuro}
1887 }
1888 \ProvideTextCommandDefault{\textlnot}{%
1889   \ensuremath{\textbackslash lnot}
1890 }
1891 \ProvideTextCommandDefault{\textmu}{%
1892   \ensuremath{\textbackslash mu}
1893 }
1894 \ProvideTextCommandDefault{\textonesuperior}{%
1895   \ensuremath{{\textcircumflex}{}^1}}
1896 }
1897 \ProvideTextCommandDefault{\textpm}{%
1898   \ensuremath{\textbackslash pm}
1899 }
1900 \ProvideTextCommandDefault{\textthreesuperior}{%
1901   \ensuremath{{\textcircumflex}{}^3}}
1902 }
1903 \ProvideTextCommandDefault{\texttimes}{%
1904   \ensuremath{\textbackslash times}
1905 }
1906 \ProvideTextCommandDefault{\texttwosuperior}{%
1907   \ensuremath{{\textcircumflex}{}^2}}
1908 }
1909 \ProvideTextCommandDefault{\textyen}{%
1910   \TextSymbolUnavailable{textyen}
1911 }
1912 \DeclareInputText{160}{\nobreakspace}
1913 \DeclareInputText{161}{\textexcldown}

```

```
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}{\textminus}
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}{\textY}
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'0}
1963 \DeclareInputText{211}{\@tabacckludge'0}
1964 \DeclareInputText{212}{\^0}
1965 \DeclareInputText{213}{\~0}
1966 \DeclareInputText{214}{\^"0}
1967 \DeclareInputText{215}{\texttimes}
1968 \DeclareInputText{216}{\textO}
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 
```

### 2.5.15 Encoding iso-8859-16

```

2010 /*iso-8859-16*/
2011 \ProvidesFile{x-iso-8859-16.def}%
2012 [2019/11/29 v1.12 Input encoding iso-8859-16 (inputenx)]%
2013 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
2014 \makeatletter
2015 \ProvideTextCommandDefault{\textcommabelow}[1]{%
2016   \hmode@\bgroup
2017   \ooalign{%
2018     \null\#1\crcr
2019     \hidewidth
2020     \raise-.31ex\hbox{%
2021       \check@mathfonts
2022       \fontsize\ssf@size\z@
2023       \math@fontsfalse\selectfont,%
2024     }%
2025     \hidewidth
2026   }%
2027 }
```

```

2028 }
2029 \ProvideTextCommandDefault{\textdegree}{%
2030   \ensuremath{{}^{\circ}}%
2031 }
2032 \ProvideTextCommandDefault{\texteuro}{%
2033   \TextSymbolUnavailable\texteuro
2034 }
2035 \ProvideTextCommandDefault{\textpm}{%
2036   \ensuremath{\pm}%
2037 }
2038 \DeclareInputText{160}{\nobreakspace}
2039 \DeclareInputText{161}{\kern .1em A}
2040 \DeclareInputText{162}{\kern .1em a}
2041 \DeclareInputText{163}{\kern .1em L}
2042 \DeclareInputText{164}{\texteuro}
2043 \DeclareInputText{165}{\textquotedblbase}
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}{\textatbackludge'Z}
2051 \DeclareInputText{173}{\textminus}
2052 \DeclareInputText{174}{\textatbackludge'z}
2053 \DeclareInputText{175}{\textperiodcentered 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}{\textY}
2069 \DeclareInputText{191}{\textz}
2070 \DeclareInputText{192}{\textatbackludge'A}
2071 \DeclareInputText{193}{\textatbackludge'A}
2072 \DeclareInputText{194}{\textasciicircum A}
2073 \DeclareInputText{195}{\textu A}
2074 \DeclareInputText{196}{\text" A}
2075 \DeclareInputText{197}{\textatbackludge'C}
2076 \DeclareInputText{198}{\textAE}
2077 \DeclareInputText{199}{\textc C}
2078 \DeclareInputText{200}{\textatbackludge'E}
2079 \DeclareInputText{201}{\textatbackludge'E}
2080 \DeclareInputText{202}{\text^E}
2081 \DeclareInputText{203}{\text"E}
2082 \DeclareInputText{204}{\textatbackludge'I}
2083 \DeclareInputText{205}{\textatbackludge'I}
2084 \DeclareInputText{206}{\text^I}
2085 \DeclareInputText{207}{\text"E}

```

```

2086 \DeclareInputText{208}{\DJ}
2087 \DeclareInputText{209}{\@tabacckludge'N}
2088 \DeclareInputText{210}{\@tabacckludge'0}
2089 \DeclareInputText{211}{\@tabacckludge'0}
2090 \DeclareInputText{212}{\^0}
2091 \DeclareInputText{213}{\H 0}
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 
```

### 2.5.16 Encoding cp437

```

2136 {*cp437}
2137 \ProvidesFile{x-cp437.def}%
2138 [2019/11/29 v1.12 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{\textapprox}{%
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{\textgreateq}{%
2187 \ensuremath\geq
2188 }
2189 \ProvideTextCommandDefault{\textinfinity}{%
2190 \ensuremath\infty
2191 }
2192 \ProvideTextCommandDefault{\textintersection}{%
2193 \ensuremath\cap
2194 }
2195 \ProvideTextCommandDefault{\textlesseq}{%
2196 \ensuremath\leq
2197 }
2198 \ProvideTextCommandDefault{\textlnot}{%
2199 \ensuremath\lnot

```

```

2200 }
2201 \ProvideTextCommandDefault{\textmu}{%
2202   \ensuremath{\mu}
2203 }
2204 \ProvideTextCommandDefault{\textnsuperior}{%
2205   \ensuremath{{}^n}}
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}}
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}{\textSFxlvii}
2333 \DeclareInputText{209}{\textSFxlviii}
2334 \DeclareInputText{210}{\textSFxlviiii}
2335 \DeclareInputText{211}{\textSFlix}
2336 \DeclareInputText{212}{\textSF1}
2337 \DeclareInputText{213}{\textSFli}
2338 \DeclareInputText{214}{\textSFlii}
2339 \DeclareInputText{215}{\textSFliii}
2340 \DeclareInputText{216}{\textSFliv}
2341 \DeclareInputText{217}{\textSFiv}
2342 \DeclareInputText{218}{\textSFi}
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}{\textss}
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}{\textgreatequal}
2367 \DeclareInputText{243}{\textlesseqequal}
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 
```

### 2.5.17 Encoding cp850

```

2380 (*cp850)
2381 \ProvidesFile{x-cp850.def}%
2382   [2019/11/29 v1.12 Input encoding cp850 (inputenx)]%
2383 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
2384 \makeatletter
2385 \ProvideTextCommandDefault{\textasciiaacute}{%
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{\backslash\not}%
2429 }

```

```

2430 \ProvideTextCommandDefault{\textmu}{%
2431   \ensuremath{\mu}
2432 }
2433 \ProvideTextCommandDefault{\textonehalf}{%
2434   \ensuremath{\frac{1}{2}}%
2435 }
2436 \ProvideTextCommandDefault{\textonequarter}{%
2437   \ensuremath{\frac{1}{4}}%
2438 }
2439 \ProvideTextCommandDefault{\textonesuperior}{%
2440   \ensuremath{{}^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}{\textcircled{0}}
2490 \DeclareInputText{158}{\texttimes}
2491 \DeclareInputText{159}{\textflorin}
2492 \DeclareInputText{160}{\textat{@tabacckludge}{`a}}
2493 \DeclareInputText{161}{\textat{@tabacckludge}{`\i}}
2494 \DeclareInputText{162}{\textat{@tabacckludge}{`o}}
2495 \DeclareInputText{163}{\textat{@tabacckludge}{`u}}
2496 \DeclareInputText{164}{\textasciitilde{n}}
2497 \DeclareInputText{165}{\textasciitilde{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}{\textguillemotleft}
2507 \DeclareInputText{175}{\textguillemotright}
2508 \DeclareInputText{176}{\textltshade}
2509 \DeclareInputText{177}{\textshade}
2510 \DeclareInputText{178}{\textdkshade}
2511 \DeclareInputText{179}{\textSFxi}
2512 \DeclareInputText{180}{\textSFix}
2513 \DeclareInputText{181}{\textat{@tabacckludge}{`A}}
2514 \DeclareInputText{182}{\textasciitilde{A}}
2515 \DeclareInputText{183}{\textat{@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}{\textSFiiii}
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}{\textasciitilde{a}}
2531 \DeclareInputText{199}{\textasciitilde{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}{\textdh}
2541 \DeclareInputText{209}{\textDH}
2542 \DeclareInputText{210}{\textasciitilde{E}}
2543 \DeclareInputText{211}{\text{"E"}}
2544 \DeclareInputText{212}{\textat{@tabacckludge}{`E}}
2545 \DeclareInputText{213}{\text{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'0}
2557 \DeclareInputText{225}{\ss}
2558 \DeclareInputText{226}{\^0}
2559 \DeclareInputText{227}{\@tabacckludge'0}
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}{\textasciiaacute}
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 
```

### 2.5.18 Encoding cp852

```

2590 (*cp852)
2591 \ProvidesFile{x-cp852.def}%
2592   [2019/11/29 v1.12 Input encoding cp852 (inputenx)]%
2593 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
2594 \makeatletter
2595 \ProvideTextCommandDefault{\textacutedbl}{%
2596   \H{}%
2597 }%
2598 \ProvideTextCommandDefault{\textasciiaacute}{%
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 \Owidth .3em \Oheight .4em \Odepth -.1em \relax
2612 }
2613 \ProvideTextCommandDefault{\textcurrency}{%
2614 \TextSymbolUnavailable\textcurrency
2615 }
2616 \ProvideTextCommandDefault{\textdegree}{%
2617 \ensuremath{{}^{\circ}}%
2618 }
2619 \ProvideTextCommandDefault{\textdiv}{%
2620 \TextSymbolUnavailable\textdiv
2621 }
2622 \ProvideTextCommandDefault{\textlnot}{%
2623 \ensuremath{\backslash lnot}
2624 }
2625 \ProvideTextCommandDefault{\texttimes}{%
2626 \ensuremath{\times}
2627 }
2628 \DeclareInputText{128}{\c C}
2629 \DeclareInputText{129}{\u{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}{\textSFxlii}
2706 \DeclareInputText{206}{\textSFxliv}
2707 \DeclareInputText{207}{\textcurrency}
2708 \DeclareInputText{208}{\dj}
2709 \DeclareInputText{209}{\DJ}
2710 \DeclareInputText{210}{\v D}
2711 \DeclareInputText{211}{\"E}
2712 \DeclareInputText{212}{\v d}
2713 \DeclareInputText{213}{\v N}
2714 \DeclareInputText{214}{\@tabacckludge'I}
2715 \DeclareInputText{215}{\^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'0}
2725 \DeclareInputText{225}{\ss}
2726 \DeclareInputText{226}{\^0}
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}{\textasciiaacute}
2740 \DeclareInputText{240}{\`-}
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}{\.{.}}
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   [2019/11/29 v1.12 Input encoding cp855 (inputenx)]%
2761 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
2762 \makeatletter
2763 \ProvideTextCommandDefault{\textblacksquare}{%
2764   \vrule \width .3em \height .4em \depth -.1em\relax
2765 }
2766 \ProvideTextCommandDefault{\textcurrency}{%
2767   \TextSymbolUnavailable\textcurrency
2768 }
2769 \ProvideTextCommandDefault{\textnumero}{%
2770   N%
2771   \bgroup
2772     \check@mathfonts
2773     \fontsize\sf@size\z@

```

```

2774 \math@fontsfalse
2775 \selectfont
2776 \oalign{%
2777   \raise0.5ex\hbox{o}%
2778   \crcr
2779   \hline
2780 }%
2781 \egroup
2782 }
2783 \DeclareInputText{128}{\cyrdje}
2784 \DeclareInputText{129}{\CYRDJE}
2785 \DeclareInputText{130}{\@tabackludge\cyrg}
2786 \DeclareInputText{131}{\@tabackludge\CYRG}
2787 \DeclareInputText{132}{\cyryo}
2788 \DeclareInputText{133}{\CYRYO}
2789 \DeclareInputText{134}{\cyrrie}
2790 \DeclareInputText{135}{\CYRIE}
2791 \DeclareInputText{136}{\cyrdze}
2792 \DeclareInputText{137}{\CYRDZE}
2793 \DeclareInputText{138}{\cyrrii}
2794 \DeclareInputText{139}{\CYRII}
2795 \DeclareInputText{140}{\cyryi}
2796 \DeclareInputText{141}{\CYRYI}
2797 \DeclareInputText{142}{\cyrje}
2798 \DeclareInputText{143}{\CYRJE}
2799 \DeclareInputText{144}{\cyrlye}
2800 \DeclareInputText{145}{\CYRLJE}
2801 \DeclareInputText{146}{\cyrnje}
2802 \DeclareInputText{147}{\CYRNJE}
2803 \DeclareInputText{148}{\cyrtshe}
2804 \DeclareInputText{149}{\CYRTSHE}
2805 \DeclareInputText{150}{\@tabackludge\cyrk}
2806 \DeclareInputText{151}{\@tabackludge\CYRK}
2807 \DeclareInputText{152}{\cyrushrt}
2808 \DeclareInputText{153}{\CYRUSHRT}
2809 \DeclareInputText{154}{\cyrdzhe}
2810 \DeclareInputText{155}{\CYRDZHE}
2811 \DeclareInputText{156}{\cyyru}
2812 \DeclareInputText{157}{\CYRYU}
2813 \DeclareInputText{158}{\cyrhrdsn}
2814 \DeclareInputText{159}{\CYRHRSN}
2815 \DeclareInputText{160}{\cyrly}
2816 \DeclareInputText{161}{\CYRA}
2817 \DeclareInputText{162}{\cyrby}
2818 \DeclareInputText{163}{\CYRB}
2819 \DeclareInputText{164}{\cyrcc}
2820 \DeclareInputText{165}{\CYRC}
2821 \DeclareInputText{166}{\cyrdr}
2822 \DeclareInputText{167}{\CYRD}
2823 \DeclareInputText{168}{\cyrre}
2824 \DeclareInputText{169}{\CYRE}
2825 \DeclareInputText{170}{\cyrff}
2826 \DeclareInputText{171}{\CYRF}
2827 \DeclareInputText{172}{\cyrgr}
2828 \DeclareInputText{173}{\CYRG}
2829 \DeclareInputText{174}{\guillemotleft}
2830 \DeclareInputText{175}{\guillemotright}
2831 \DeclareInputText{176}{\textltshade}

```

```
2832 \DeclareInputText{177}{\textshade}
2833 \DeclareInputText{178}{\textdkshade}
2834 \DeclareInputText{179}{\textSfxi}
2835 \DeclareInputText{180}{\textSFix}
2836 \DeclareInputText{181}{\cyrh}
2837 \DeclareInputText{182}{\CYRH}
2838 \DeclareInputText{183}{\cyr{i}}
2839 \DeclareInputText{184}{\CYRI}
2840 \DeclareInputText{185}{\textSFxxiii}
2841 \DeclareInputText{186}{\textSFxxiv}
2842 \DeclareInputText{187}{\textSFxxv}
2843 \DeclareInputText{188}{\textSFxxvi}
2844 \DeclareInputText{189}{\cyrishrt}
2845 \DeclareInputText{190}{\CYRISHRT}
2846 \DeclareInputText{191}{\textSFiii}
2847 \DeclareInputText{192}{\textSFii}
2848 \DeclareInputText{193}{\textSFvii}
2849 \DeclareInputText{194}{\textSFvi}
2850 \DeclareInputText{195}{\textSFviii}
2851 \DeclareInputText{196}{\textSFx}
2852 \DeclareInputText{197}{\textSFv}
2853 \DeclareInputText{198}{\cyrk}
2854 \DeclareInputText{199}{\CYRK}
2855 \DeclareInputText{200}{\textSFxxxviii}
2856 \DeclareInputText{201}{\textSFxxxix}
2857 \DeclareInputText{202}{\textSFxl}
2858 \DeclareInputText{203}{\textSFxli}
2859 \DeclareInputText{204}{\textSFxlili}
2860 \DeclareInputText{205}{\textSFxlili}
2861 \DeclareInputText{206}{\textSFxliv}
2862 \DeclareInputText{207}{\textcurrency}
2863 \DeclareInputText{208}{\cyr{l}}
2864 \DeclareInputText{209}{\CYRL}
2865 \DeclareInputText{210}{\cyr{m}}
2866 \DeclareInputText{211}{\CYRM}
2867 \DeclareInputText{212}{\cyr{n}}
2868 \DeclareInputText{213}{\CYRN}
2869 \DeclareInputText{214}{\cyro}
2870 \DeclareInputText{215}{\CYRO}
2871 \DeclareInputText{216}{\cyrp}
2872 \DeclareInputText{217}{\textSFiv}
2873 \DeclareInputText{218}{\textSfi}
2874 \DeclareInputText{219}{\textblock}
2875 \DeclareInputText{220}{\textdnblock}
2876 \DeclareInputText{221}{\CYRP}
2877 \DeclareInputText{222}{\cyr{ya}}
2878 \DeclareInputText{223}{\textupblock}
2879 \DeclareInputText{224}{\CYRYA}
2880 \DeclareInputText{225}{\cyr{r}}
2881 \DeclareInputText{226}{\CYRR}
2882 \DeclareInputText{227}{\crys}
2883 \DeclareInputText{228}{\CYRS}
2884 \DeclareInputText{229}{\cyrt}
2885 \DeclareInputText{230}{\CYRT}
2886 \DeclareInputText{231}{\cyr{u}}
2887 \DeclareInputText{232}{\CYRU}
2888 \DeclareInputText{233}{\cyrzh}
2889 \DeclareInputText{234}{\CYRZH}
```

```

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

### 2.5.20 Encoding cp858

```

2913 (*cp858)
2914 \ProvidesFile{x-cp858.def}%
2915   [2019/11/29 v1.12 Input encoding cp858 (inputenx)]%
2916 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
2917 \makeatletter
2918 \ProvideTextCommandDefault{\textasciiaacute}{%
2919   \@tabacckludge'{}%
2920 }
2921 \ProvideTextCommandDefault{\textasciidieresis}{%
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{\backslash 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{\overset{1}{}}%
2977 }
2978 \ProvideTextCommandDefault{\textpm}{%
2979   \ensuremath{\pm}%
2980 }
2981 \ProvideTextCommandDefault{\textthreequarters}{%
2982   \ensuremath{\frac{3}{4}}%
2983 }
2984 \ProvideTextCommandDefault{\textthreesuperior}{%
2985   \ensuremath{\overset{3}{}}%
2986 }
2987 \ProvideTextCommandDefault{\texttimes}{%
2988   \ensuremath{\times}%
2989 }
2990 \ProvideTextCommandDefault{\texttwosuperior}{%
2991   \ensuremath{\overset{2}{}}%
2992 }
2993 \ProvideTextCommandDefault{\textyen}{%
2994   \TextSymbolUnavailable{textyen}
2995 }
2996 \DeclareInputText{128}{\c C}
2997 \DeclareInputText{129}{\u}
2998 \DeclareInputText{130}{\@tabacckludge'e}
2999 \DeclareInputText{131}{\^a}
3000 \DeclareInputText{132}{\"a}
3001 \DeclareInputText{133}{\@tabacckludge'a}
3002 \DeclareInputText{134}{\r a}
3003 \DeclareInputText{135}{\c c}

```

```

3004 \DeclareInputText{136}{\^e}
3005 \DeclareInputText{137}{\`e}
3006 \DeclareInputText{138}{\@tabacckludge'e}
3007 \DeclareInputText{139}{\"i}
3008 \DeclareInputText{140}{`\^i}
3009 \DeclareInputText{141}{\@tabacckludge'i}
3010 \DeclareInputText{142}{\"A}
3011 \DeclareInputText{143}{\r A}
3012 \DeclareInputText{144}{\@tabacckludge'E}
3013 \DeclareInputText{145}{\ae}
3014 \DeclareInputText{146}{\AE}
3015 \DeclareInputText{147}{\^o}
3016 \DeclareInputText{148}{\"o}
3017 \DeclareInputText{149}{\@tabacckludge'o}
3018 \DeclareInputText{150}{\^u}
3019 \DeclareInputText{151}{\@tabacckludge'u}
3020 \DeclareInputText{152}{\"y}
3021 \DeclareInputText{153}{\"O}
3022 \DeclareInputText{154}{\"U}
3023 \DeclareInputText{155}{\o}
3024 \DeclareInputText{156}{\textsterling}
3025 \DeclareInputText{157}{\O}
3026 \DeclareInputText{158}{\texttimes}
3027 \DeclareInputText{159}{\textflorin}
3028 \DeclareInputText{160}{\@tabacckludge'a}
3029 \DeclareInputText{161}{\@tabacckludge'i}
3030 \DeclareInputText{162}{\@tabacckludge'o}
3031 \DeclareInputText{163}{\@tabacckludge'u}
3032 \DeclareInputText{164}{\^n}
3033 \DeclareInputText{165}{\^N}
3034 \DeclareInputText{166}{\textordfeminine}
3035 \DeclareInputText{167}{\textordmasculine}
3036 \DeclareInputText{168}{\textquestiondown}
3037 \DeclareInputText{169}{\textregistered}
3038 \DeclareInputText{170}{\textlnot}
3039 \DeclareInputText{171}{\textonehalf}
3040 \DeclareInputText{172}{\textonequarter}
3041 \DeclareInputText{173}{\textexclamdown}
3042 \DeclareInputText{174}{\guillemotleft}
3043 \DeclareInputText{175}{\guillemotright}
3044 \DeclareInputText{176}{\textltshade}
3045 \DeclareInputText{177}{\textshade}
3046 \DeclareInputText{178}{\textdkshade}
3047 \DeclareInputText{179}{\textSFxi}
3048 \DeclareInputText{180}{\textSFix}
3049 \DeclareInputText{181}{\@tabacckludge'A}
3050 \DeclareInputText{182}{\^A}
3051 \DeclareInputText{183}{\@tabacckludge'A}
3052 \DeclareInputText{184}{\textcopyright}
3053 \DeclareInputText{185}{\textSFxxiii}
3054 \DeclareInputText{186}{\textSFxxiv}
3055 \DeclareInputText{187}{\textSFxxv}
3056 \DeclareInputText{188}{\textSFxxvi}
3057 \DeclareInputText{189}{\textcent}
3058 \DeclareInputText{190}{\textyen}
3059 \DeclareInputText{191}{\textSFiii}
3060 \DeclareInputText{192}{\textSFii}
3061 \DeclareInputText{193}{\textSFvii}

```

```

3062 \DeclareInputText{194}{\textSFvi}
3063 \DeclareInputText{195}{\textSFviii}
3064 \DeclareInputText{196}{\textSFx}
3065 \DeclareInputText{197}{\textSFv}
3066 \DeclareInputText{198}{\text{`a}}
3067 \DeclareInputText{199}{\text{`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}{\text{dh}}
3077 \DeclareInputText{209}{\text{DH}}
3078 \DeclareInputText{210}{\text{`E}}
3079 \DeclareInputText{211}{\text{``E}}
3080 \DeclareInputText{212}{\text{@tabacckludge}`E}
3081 \DeclareInputText{213}{\text{euro}}
3082 \DeclareInputText{214}{\text{@tabacckludge}'I}
3083 \DeclareInputText{215}{\text{`I}}
3084 \DeclareInputText{216}{\text{``I}}
3085 \DeclareInputText{217}{\text{SFiv}}
3086 \DeclareInputText{218}{\text{SFi}}
3087 \DeclareInputText{219}{\text{textblock}}
3088 \DeclareInputText{220}{\text{textdnblock}}
3089 \DeclareInputText{221}{\text{textbrokenbar}}
3090 \DeclareInputText{222}{\text{@tabacckludge}'I}
3091 \DeclareInputText{223}{\text{textupblock}}
3092 \DeclareInputText{224}{\text{@tabacckludge}'O}
3093 \DeclareInputText{225}{\text{ss}}
3094 \DeclareInputText{226}{\text{`O}}
3095 \DeclareInputText{227}{\text{@tabacckludge}'O}
3096 \DeclareInputText{228}{\text{`o}}
3097 \DeclareInputText{229}{\text{`O}}
3098 \DeclareInputText{230}{\text{textmu}}
3099 \DeclareInputText{231}{\text{th}}
3100 \DeclareInputText{232}{\text{TH}}
3101 \DeclareInputText{233}{\text{@tabacckludge}'U}
3102 \DeclareInputText{234}{\text{`U}}
3103 \DeclareInputText{235}{\text{@tabacckludge}'U}
3104 \DeclareInputText{236}{\text{@tabacckludge}'y}
3105 \DeclareInputText{237}{\text{@tabacckludge}'Y}
3106 \DeclareInputText{238}{\text{textasciimacron}}
3107 \DeclareInputText{239}{\text{textasciiaacute}}
3108 \DeclareInputText{240}{\text{`-}}
3109 \DeclareInputText{241}{\text{textpm}}
3110 \DeclareInputText{242}{\text{textdbllowline}}
3111 \DeclareInputText{243}{\text{textthreequarters}}
3112 \DeclareInputText{244}{\text{textparagraph}}
3113 \DeclareInputText{245}{\text{textsection}}
3114 \DeclareInputText{246}{\text{textdiv}}
3115 \DeclareInputText{247}{\text{c` } }
3116 \DeclareInputText{248}{\text{textdegree}}
3117 \DeclareInputText{249}{\text{textasciidieresis}}
3118 \DeclareInputText{250}{\text{textperiodcentered}}
3119 \DeclareInputText{251}{\text{textonesuperior}}

```

```

3120 \DeclareInputText{252}{\textthreesuperior}
3121 \DeclareInputText{253}{\texttwosuperior}
3122 \DeclareInputText{254}{\textblacksquare}
3123 \DeclareInputText{255}{\nobreakspace}
3124 \RestoreAtCatcode
3125 
```

## 2.5.21 Encoding cp865

```

3126 (*cp865)
3127 \ProvidesFile{x-cp865.def}%
3128 [2019/11/29 v1.12 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{\textapprox}{%
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{\textgreatequal}{%
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\lnot
3190 }
3191 \ProvideTextCommandDefault{\textmu}{%
3192   \ensuremath\mu
3193 }
3194 \ProvideTextCommandDefault{\textnsuperior}{%
3195   \ensuremath{^n}%
3196 }
3197 \ProvideTextCommandDefault{\textonehalf}{%
3198   \ensuremath{\frac{1}{2}}%
3199 }
3200 \ProvideTextCommandDefault{\textonequarter}{%
3201   \ensuremath{\frac{1}{4}}%
3202 }
3203 \ProvideTextCommandDefault{\textpeseta}{%
3204   Pt%
3205 }
3206 \ProvideTextCommandDefault{\textphi}{%
3207   \ensuremath\phi
3208 }
3209 \ProvideTextCommandDefault{\textpi}{%
3210   \ensuremath\pi
3211 }
3212 \ProvideTextCommandDefault{\textpm}{%
3213   \ensuremath\pm
3214 }
3215 \ProvideTextCommandDefault{\textrevlogicalnot}{%
3216   \begingroup
3217     \@ifundefined{reflectbox}{%
3218       \TextSymbolUnavailable\textrevlogicalnot
3219     }{%
3220       \def\@revlogicalnot##1##2{%
3221         \reflectbox{$##1##2$}%
3222       }%
3223       \ensuremath{\mathpalette\@revlogicalnot\lnot}%
3224     }%
3225   \endgroup
3226 }
3227 \ProvideTextCommandDefault{\textsigma}{%
3228   \ensuremath\sigma
3229 }
3230 \ProvideTextCommandDefault{\textsurd}{%
3231   \ensuremath\surd
3232 }
3233 \ProvideTextCommandDefault{\texttau}{%

```

```

3234 \ensuremath\tau
3235 }
3236 \ProvideTextCommandDefault{\texttwosuperior}{%
3237 \ensuremath{^2}%
3238 }
3239 \DeclareInputText{128}{\c C}
3240 \DeclareInputText{129}{\u}
3241 \DeclareInputText{130}{\@tabacckludge'e}
3242 \DeclareInputText{131}{\`a}
3243 \DeclareInputText{132}{\"a}
3244 \DeclareInputText{133}{\@tabacckludge'a}
3245 \DeclareInputText{134}{\r a}
3246 \DeclareInputText{135}{\c c}
3247 \DeclareInputText{136}{\^e}
3248 \DeclareInputText{137}{\"e}
3249 \DeclareInputText{138}{\@tabacckludge'e}
3250 \DeclareInputText{139}{\"i}
3251 \DeclareInputText{140}{\`i}
3252 \DeclareInputText{141}{\@tabacckludge'i}
3253 \DeclareInputText{142}{\"A}
3254 \DeclareInputText{143}{\r A}
3255 \DeclareInputText{144}{\@tabacckludge'E}
3256 \DeclareInputText{145}{\ae}
3257 \DeclareInputText{146}{\AE}
3258 \DeclareInputText{147}{\^o}
3259 \DeclareInputText{148}{\"o}
3260 \DeclareInputText{149}{\@tabacckludge'o}
3261 \DeclareInputText{150}{\`u}
3262 \DeclareInputText{151}{\@tabacckludge'u}
3263 \DeclareInputText{152}{\y}
3264 \DeclareInputText{153}{\O}
3265 \DeclareInputText{154}{\U}
3266 \DeclareInputText{155}{\o}
3267 \DeclareInputText{156}{\textsterling}
3268 \DeclareInputText{157}{\O}
3269 \DeclareInputText{158}{\textpeseta}
3270 \DeclareInputText{159}{\textflorin}
3271 \DeclareInputText{160}{\@tabacckludge'a}
3272 \DeclareInputText{161}{\@tabacckludge'i}
3273 \DeclareInputText{162}{\@tabacckludge'o}
3274 \DeclareInputText{163}{\@tabacckludge'u}
3275 \DeclareInputText{164}{\`n}
3276 \DeclareInputText{165}{\`N}
3277 \DeclareInputText{166}{\textordfeminine}
3278 \DeclareInputText{167}{\textordmasculine}
3279 \DeclareInputText{168}{\textquestiondown}
3280 \DeclareInputText{169}{\textrevlogicalnot}
3281 \DeclareInputText{170}{\textlnot}
3282 \DeclareInputText{171}{\textonehalf}
3283 \DeclareInputText{172}{\textonequarter}
3284 \DeclareInputText{173}{\textexclamdown}
3285 \DeclareInputText{174}{\guillemotleft}
3286 \DeclareInputText{175}{\textcurrency}
3287 \DeclareInputText{176}{\textltshade}
3288 \DeclareInputText{177}{\textshade}
3289 \DeclareInputText{178}{\textdkshade}
3290 \DeclareInputText{179}{\textSFxi}
3291 \DeclareInputText{180}{\textSFix}

```

```

3292 \DeclareInputText{181}{\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}{\textSFxlviii}
3322 \DeclareInputText{211}{\textSFxl ix}
3323 \DeclareInputText{212}{\textSF1}
3324 \DeclareInputText{213}{\textSFli}
3325 \DeclareInputText{214}{\textSFlii}
3326 \DeclareInputText{215}{\textSFliii}
3327 \DeclareInputText{216}{\textSFliv}
3328 \DeclareInputText{217}{\textSFiv}
3329 \DeclareInputText{218}{\textSFi}
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}{\textgreaterequal}
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}{\texttildelow}
3361 \DeclareInputText{252}{\textnsuperior}
3362 \DeclareInputText{253}{\texttwosuperior}
3363 \DeclareInputText{254}{\textblacksquare}
3364 \DeclareInputText{255}{\nobreakspace}
3365 \RestoreAtCatcode
3366 
```

## 2.5.22 Encoding cp866

```

3367 (*cp866)
3368 \ProvidesFile{x-cp866.def}%
3369   [2019/11/29 v1.12 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{{^\circ}}%
3380 }
3381 \ProvideTextCommandDefault{\textnumero}{%
3382   N%
3383 \bgroup
3384   \check@mathfonts
3385   \fontsize\sf@size\z@
3386   \math@fontsfalsetrue
3387   \selectfont
3388   \oalign{%
3389     \raise0.5ex\hbox{o}%
3390     \crcr
3391     \hline
3392   }%
3393 \egroup
3394 }
3395 \ProvideTextCommandDefault{\texttildelow}{%
3396   \ensuremath{\sqrt{\mathstrut s}}%
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}{\textSFxl ix}
3482 \DeclareInputText{212}{\textSF1}
3483 \DeclareInputText{213}{\textSFli}
3484 \DeclareInputText{214}{\textSFlii}
3485 \DeclareInputText{215}{\textSFliii}
3486 \DeclareInputText{216}{\textSFliv}
3487 \DeclareInputText{217}{\textSFiv}
3488 \DeclareInputText{218}{\textSFi}
3489 \DeclareInputText{219}{\textblock}
3490 \DeclareInputText{220}{\textdnblock}
3491 \DeclareInputText{221}{\textlfblock}
3492 \DeclareInputText{222}{\textrtblock}
3493 \DeclareInputText{223}{\textupblock}
3494 \DeclareInputText{224}{\cyr}
3495 \DeclareInputText{225}{\crys}
3496 \DeclareInputText{226}{\cyrt}
3497 \DeclareInputText{227}{\cyrus}
3498 \DeclareInputText{228}{\cyrfs}
3499 \DeclareInputText{229}{\cyrh}
3500 \DeclareInputText{230}{\cyrcc}
3501 \DeclareInputText{231}{\cyrch}
3502 \DeclareInputText{232}{\cyrsh}
3503 \DeclareInputText{233}{\cyrshch}
3504 \DeclareInputText{234}{\cyrhrdsn}
3505 \DeclareInputText{235}{\cyrery}
3506 \DeclareInputText{236}{\crysftsn}
3507 \DeclareInputText{237}{\cyrerev}
3508 \DeclareInputText{238}{\cyrus}
3509 \DeclareInputText{239}{\crysya}
3510 \DeclareInputText{240}{\CYRYO}
3511 \DeclareInputText{241}{\crysyo}
3512 \DeclareInputText{242}{\CYRIE}
3513 \DeclareInputText{243}{\crysie}
3514 \DeclareInputText{244}{\CYRYI}
3515 \DeclareInputText{245}{\crysyi}
3516 \DeclareInputText{246}{\CYRUSHRT}
3517 \DeclareInputText{247}{\crysushrt}
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 
```

### 2.5.23 Encoding cp1250

```

3528 (*cp1250)
3529 \ProvidesFile{x-cp1250.def}%
3530 [2019/11/29 v1.12 Input encoding cp1250 (inputenx)]%
3531 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
3532 \makeatletter
3533 \ProvideTextCommandDefault{\textacutedbl}{%
3534 \H{}%
3535 }
3536 \ProvideTextCommandDefault{\textasciiacute}{%
3537 \tabackludge'%
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{{}^{\circ}}%
3556 }
3557 \ProvideTextCommandDefault{\textdiv}{%
3558 \TextSymbolUnavailable\textdiv
3559 }
3560 \ProvideTextCommandDefault{\texteuro}{%
3561 \TextSymbolUnavailable\texteuro
3562 }
3563 \ProvideTextCommandDefault{\textlnot}{%
3564 \ensuremath{\backslash 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}{\textquotelleft}
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}{\textminus}
3616 \DeclareInputText{174}{\textregistered}
3617 \DeclareInputText{175}{\textperiodcentered}
3618 \DeclareInputText{176}{\textdegree}
3619 \DeclareInputText{177}{\textpm}
3620 \DeclareInputText{178}{\k{}}
3621 \DeclareInputText{179}{\textonequarter}
3622 \DeclareInputText{180}{\textasciiaacute}
3623 \DeclareInputText{181}{\textmu}
3624 \DeclareInputText{182}{\textparagraph}
3625 \DeclareInputText{183}{\textperiodcentered}
3626 \DeclareInputText{184}{\c{\textnormal{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{1}}
3633 \DeclareInputText{191}{\textnormal{.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'0}
3654 \DeclareInputText{212}{\^0}
3655 \DeclareInputText{213}{\H 0}
3656 \DeclareInputText{214}{\^0}
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'1}
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 
```

### 2.5.24 Encoding cp1251

```

3700 (*cp1251)
3701 \ProvidesFile{x-cp1251.def}%
3702 [2019/11/29 v1.12 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{{^\circ}}%
3713 }
3714 \ProvideTextCommandDefault{\texteuro}{%
3715   \TextSymbolUnavailable\texteuro
3716 }
3717 \ProvideTextCommandDefault{\textlnot}{%
3718   \ensuremath{\lnot}
3719 }
3720 \ProvideTextCommandDefault{\textmu}{%
3721   \ensuremath{\mu}
3722 }
3723 \ProvideTextCommandDefault{\textnumero}{%
3724   \%
3725   \bgroup
3726     \check@mathfonts
3727     \fontsize\sf@size\z@
3728     \math@fontsfalse
3729     \selectfont
3730     \oalign{%
3731       \raise0.5ex\hbox{o}%
3732       \crcr
3733       \hline
3734     }%
3735   \egroup
3736 }
3737 \ProvideTextCommandDefault{\textpm}{%
3738   \ensuremath{\pm}
3739 }
3740 \DeclareInputText{128}{\CYRDJE}
3741 \DeclareInputText{129}{\@tabacckludge'CYRG}
3742 \DeclareInputText{130}{\quotelinglbase}
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}{\textquotelleft}
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}{\cyrlyje}
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}{\textlnot}
3785 \DeclareInputText{174}{\textregistered}
3786 \DeclareInputText{175}{\CYRYI}
3787 \DeclareInputText{176}{\textdegree}
3788 \DeclareInputText{177}{\textpm}
3789 \DeclareInputText{178}{\CYRII}
3790 \DeclareInputText{179}{\cyrlyi}
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}{\cyrrie}
3798 \DeclareInputText{187}{\guillemotright}
3799 \DeclareInputText{188}{\cyrje}
3800 \DeclareInputText{189}{\CYRDZE}
3801 \DeclareInputText{190}{\cyrdze}
3802 \DeclareInputText{191}{\cyrlyi}
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}{\cyrI}
3847 \DeclareInputText{236}{\cyrM}
3848 \DeclareInputText{237}{\cyrN}
3849 \DeclareInputText{238}{\cyro}
3850 \DeclareInputText{239}{\cyrp}
3851 \DeclareInputText{240}{\cyrr}
3852 \DeclareInputText{241}{\crys}
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}{\cyrrery}
3863 \DeclareInputText{252}{\crysftsn}
3864 \DeclareInputText{253}{\cyrerev}
3865 \DeclareInputText{254}{\cyyru}
```

```

3866 \DeclareInputText{255}{\cyrya}
3867 \RestoreAtCatcode
3868 
```

**2.5.25 Encoding cp1252**

```

3869 {*cp1252}
3870 \ProvidesFile{x-cp1252.def}%
3871   [2019/11/29 v1.12 Input encoding cp1252 (inputenx)]%
3872 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
3873 \makeatletter
3874 \ProvideTextCommandDefault{\textasciiaacute}{%
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{\backslash 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{\overset{1}{}}%
3918 }
3919 \ProvideTextCommandDefault{\textpm}{%
3920   \ensuremath{\pm}%
3921 }

```

```

3922 \ProvideTextCommandDefault{\textthreequarters}{%
3923   \ensuremath{\frac{3}{4}}%
3924 }
3925 \ProvideTextCommandDefault{\textthreesuperior}{%
3926   \ensuremath{\overset{3}{\text{t}}\!}%
3927 }
3928 \ProvideTextCommandDefault{\texttimes}{%
3929   \ensuremath{\text{t}\!\! \times}%
3930 }
3931 \ProvideTextCommandDefault{\texttwosuperior}{%
3932   \ensuremath{\overset{2}{\text{t}}\!}%
3933 }
3934 \ProvideTextCommandDefault{\textyen}{%
3935   \TextSymbolUnavailable\textyen%
3936 }
3937 \DeclareInputText{128}{\texteuro}
3938 \DeclareInputText{130}{\quotelinglbase}
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}{\textquotelleft}
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}{\textminus}
3978 \DeclareInputText{174}{\textregistered}
3979 \DeclareInputText{175}{\textasciimacron}

```

```
3980 \DeclareInputText{176}{\textdegree}
3981 \DeclareInputText{177}{\textpm}
3982 \DeclareInputText{178}{\texttwouperior}
3983 \DeclareInputText{179}{\textthreesuperior}
3984 \DeclareInputText{180}{\textasciiaacute}
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}{\atabackludge'A}
3997 \DeclareInputText{193}{\atabackludge'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}{\atabackludge'E}
4005 \DeclareInputText{201}{\atabackludge'E}
4006 \DeclareInputText{202}{\^E}
4007 \DeclareInputText{203}{\~E}
4008 \DeclareInputText{204}{\atabackludge'I}
4009 \DeclareInputText{205}{\atabackludge'I}
4010 \DeclareInputText{206}{\^I}
4011 \DeclareInputText{207}{\"I}
4012 \DeclareInputText{208}{\DH}
4013 \DeclareInputText{209}{\^N}
4014 \DeclareInputText{210}{\atabackludge'0}
4015 \DeclareInputText{211}{\atabackludge'0}
4016 \DeclareInputText{212}{\^0}
4017 \DeclareInputText{213}{\~0}
4018 \DeclareInputText{214}{\"0}
4019 \DeclareInputText{215}{\texttimes}
4020 \DeclareInputText{216}{\0}
4021 \DeclareInputText{217}{\atabackludge'U}
4022 \DeclareInputText{218}{\atabackludge'U}
4023 \DeclareInputText{219}{\^U}
4024 \DeclareInputText{220}{\"U}
4025 \DeclareInputText{221}{\atabackludge'Y}
4026 \DeclareInputText{222}{\TH}
4027 \DeclareInputText{223}{\ss}
4028 \DeclareInputText{224}{\atabackludge'a}
4029 \DeclareInputText{225}{\atabackludge'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}{\atabackludge'e}
4037 \DeclareInputText{233}{\atabackludge'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 
```

### 2.5.26 Encoding cp1255

```

4062 (*cp1255)
4063 \ProvidesFile{x-cp1255.def}%
4064   [2019/11/29 v1.12 Input encoding cp1255 (inputenx)]%
4065 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
4066 \makeatletter
4067 \ProvideTextCommandDefault{\textasciiaacute}{%
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}{\textquotingleft}
4129 \DeclareInputText{131}{\textflorin}
4130 \DeclareInputText{132}{\textquotedblleft}
4131 \DeclareInputText{133}{\textellipsis}
4132 \DeclareInputText{134}{\textdagger}
4133 \DeclareInputText{135}{\textdaggerdbl}
4134 \DeclareInputText{136}{\textasciicircum}
4135 \DeclareInputText{137}{\textperthousand}
4136 \DeclareInputText{139}{\textguillemotleft}
4137 \DeclareInputText{145}{\textquotingleft}
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}{\textguillemotright}
4147 \DeclareInputText{160}{\textnobreakspace}
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}{\textminus}
4160 \DeclareInputText{174}{\textregistered}
4161 \DeclareInputText{175}{\textasciimacron}
4162 \DeclareInputText{176}{\textdegree}
4163 \DeclareInputText{177}{\textpm}
4164 \DeclareInputText{178}{\texttwouperior}
4165 \DeclareInputText{179}{\textthreeuperior}
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}{\hebalef}
4179 \DeclareInputText{225}{\hebbet}
4180 \DeclareInputText{226}{\hebgimel}
4181 \DeclareInputText{227}{\hebdaleth}
4182 \DeclareInputText{228}{\hebbe}
4183 \DeclareInputText{229}{\hebvav}
4184 \DeclareInputText{230}{\hebzayin}
4185 \DeclareInputText{231}{\hebheth}
4186 \DeclareInputText{232}{\hebtet}
4187 \DeclareInputText{233}{\hebyod}
4188 \DeclareInputText{234}{\hebfinalkaf}
4189 \DeclareInputText{235}{\hebkaf}
4190 \DeclareInputText{236}{\heblamed}
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 

```

### 2.5.27 Encoding cp1257

4207 <\*cp1257>

```

4208 \ProvidesFile{x-cp1257.def}%
4209   [2019/11/29 v1.12 Input encoding cp1257 (inputenx)]%
4210 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
4211 \makeatletter
4212 \ProvideTextCommandDefault{\textasciiaacute}{%
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{\mathbf{lnot}}
4244 }
4245 \ProvideTextCommandDefault{\textmu}{%
4246   \ensuremath{\mathbf{\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{\mathbf{\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{^{\text{2}}}
4271 }
4272 \DeclareInputText{128}{\texteuro}
4273 \DeclareInputText{130}{\textquotingleft}
4274 \DeclareInputText{132}{\textquotedblleft}
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{c}}
4283 \DeclareInputText{145}{\textquotingleft}
4284 \DeclareInputText{146}{\textquoteright}
4285 \DeclareInputText{147}{\textquotedblleft}
4286 \DeclareInputText{148}{\textquotedblright}
4287 \DeclareInputText{149}{\textbullet}
4288 \DeclareInputText{150}{\textendash}
4289 \DeclareInputText{151}{\textemdash}
4290 \DeclareInputText{153}{\texttrademark}
4291 \DeclareInputText{155}{\guilsinglright}
4292 \DeclareInputText{157}{\textasciimacron}
4293 \DeclareInputText{158}{\k{}}
4294 \DeclareInputText{160}{\nobreakspace}
4295 \DeclareInputText{162}{\textcent}
4296 \DeclareInputText{163}{\textsterling}
4297 \DeclareInputText{164}{\textcurrency}
4298 \DeclareInputText{166}{\textbrokenbar}
4299 \DeclareInputText{167}{\textsection}
4300 \DeclareInputText{168}{\textcircledcirc}
4301 \DeclareInputText{169}{\textcopyright}
4302 \DeclareInputText{170}{\c{R}}
4303 \DeclareInputText{171}{\guillemotleft}
4304 \DeclareInputText{172}{\textlnot}
4305 \DeclareInputText{173}{\textminus}
4306 \DeclareInputText{174}{\textregistered}
4307 \DeclareInputText{175}{\textAE}
4308 \DeclareInputText{176}{\textdegree}
4309 \DeclareInputText{177}{\textpm}
4310 \DeclareInputText{178}{\texttwosuperior}
4311 \DeclareInputText{179}{\textthreesuperior}
4312 \DeclareInputText{180}{\textasciiacute}
4313 \DeclareInputText{181}{\textmu}
4314 \DeclareInputText{182}{\textparagraph}
4315 \DeclareInputText{183}{\textperiodcentered}
4316 \DeclareInputText{184}{\textcircledcirc}
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}{\textae}

```

```

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'0}
4344 \DeclareInputText{212}{\@tabacckludge=0}
4345 \DeclareInputText{213}{\~0}
4346 \DeclareInputText{214}{\"0}
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 
```

## 2.5.28 Encoding dec-mcs

```

4390 {*dec-mcs}
4391 \ProvidesFile{x-dec-mcs.def}%
4392 [2019/11/29 v1.12 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{{^\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{{^1}}%
4415 }
4416 \ProvideTextCommandDefault{\textpm}{%
4417   \ensuremath{\pm}
4418 }
4419 \ProvideTextCommandDefault{\textthreesuperior}{%
4420   \ensuremath{{^3}}%
4421 }
4422 \ProvideTextCommandDefault{\texttwosuperior}{%
4423   \ensuremath{{^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'0}
4468 \DeclareInputText{211}{\@tabacckludge'0}
4469 \DeclareInputText{212}{\^0}
4470 \DeclareInputText{213}{\`0}
4471 \DeclareInputText{214}{\"0}
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 
```

### 2.5.29 Encoding koi8-r

```

4511 (*koi8-r)
4512 \ProvidesFile{x-koi8-r.def}%
4513   [2019/11/29 v1.12 Input encoding koi8-r (inputenx)]%
4514 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
4515 \makeatletter
4516 \ProvideTextCommandDefault{\textapproxeq}{%
4517   \ensuremath\approx
4518 }
4519 \ProvideTextCommandDefault{\textbacksquare}{%
4520   \vrule \@width .3em \@height .4em \@depth -.1em\relax
4521 }
4522 \ProvideTextCommandDefault{\textdegree}{%
4523   \ensuremath{\^circ}}
4524 }
4525 \ProvideTextCommandDefault{\textdiv}{%
4526   \TextSymbolUnavailable\textdiv
4527 }
4528 \ProvideTextCommandDefault{\textgreateq}{%
4529   \ensuremath\geq
4530 }
4531 \ProvideTextCommandDefault{\textlesseq}{%
4532   \ensuremath\leq
4533 }
4534 \ProvideTextCommandDefault{\textsurd}{%
4535   \ensuremath\surd
4536 }
4537 \ProvideTextCommandDefault{\texttwosuperior}{%
4538   \ensuremath{\^2}}
4539 }
4540 \DeclareInputText{128}{\textSFx}
4541 \DeclareInputText{129}{\textSFxi}
4542 \DeclareInputText{130}{\textSFi}
4543 \DeclareInputText{131}{\textSFii}
4544 \DeclareInputText{132}{\textSFiii}
4545 \DeclareInputText{133}{\textSFiv}
4546 \DeclareInputText{134}{\textSFviii}
4547 \DeclareInputText{135}{\textSFix}
4548 \DeclareInputText{136}{\textSFvi}
4549 \DeclareInputText{137}{\textSFvii}
4550 \DeclareInputText{138}{\textSFv}
4551 \DeclareInputText{139}{\textupblock}

```

```
4552 \DeclareInputText{140}{\textdnblock}
4553 \DeclareInputText{141}{\textblock}
4554 \DeclareInputText{142}{\textlfblock}
4555 \DeclareInputText{143}{\textrtblock}
4556 \DeclareInputText{144}{\textltshade}
4557 \DeclareInputText{145}{\textshade}
4558 \DeclareInputText{146}{\textdkshade}
4559 \DeclareInputText{148}{\textblacksquare}
4560 \DeclareInputText{149}{\textbullet}
4561 \DeclareInputText{150}{\textsurd}
4562 \DeclareInputText{151}{\textapproxequal}
4563 \DeclareInputText{152}{\textlessequal}
4564 \DeclareInputText{153}{\textgreaterequal}
4565 \DeclareInputText{154}{\nobreakspace}
4566 \DeclareInputText{156}{\textdegree}
4567 \DeclareInputText{157}{\texttwosuperior}
4568 \DeclareInputText{158}{\textperiodcentered}
4569 \DeclareInputText{159}{\textdiv}
4570 \DeclareInputText{160}{\textSFxliii}
4571 \DeclareInputText{161}{\textSFxxiv}
4572 \DeclareInputText{162}{\textSFli}
4573 \DeclareInputText{163}{\cyryo}
4574 \DeclareInputText{164}{\textSFlii}
4575 \DeclareInputText{165}{\textSFxxxix}
4576 \DeclareInputText{166}{\textSFxxii}
4577 \DeclareInputText{167}{\textSFxxi}
4578 \DeclareInputText{168}{\textSFxxv}
4579 \DeclareInputText{169}{\textSFi}
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}{\textSFxlvii}
4593 \DeclareInputText{183}{\textSFxlviii}
4594 \DeclareInputText{184}{\textSFxli}
4595 \DeclareInputText{185}{\textSFxlv}
4596 \DeclareInputText{186}{\textSFxlvi}
4597 \DeclareInputText{187}{\textSFxI}
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}{\cyrcc}
4606 \DeclareInputText{196}{\cyrd}
4607 \DeclareInputText{197}{\cyre}
4608 \DeclareInputText{198}{\cyrf}
4609 \DeclareInputText{199}{\cyrg}
```

```

4610 \DeclareInputText{200}{\cyrh}
4611 \DeclareInputText{201}{\cyr{i}}
4612 \DeclareInputText{202}{\cyrishrt}
4613 \DeclareInputText{203}{\cyrk}
4614 \DeclareInputText{204}{\cyr{l}}
4615 \DeclareInputText{205}{\cyrm}
4616 \DeclareInputText{206}{\cyrn}
4617 \DeclareInputText{207}{\cyro}
4618 \DeclareInputText{208}{\cyp}
4619 \DeclareInputText{209}{\cyya}
4620 \DeclareInputText{210}{\cyyr}
4621 \DeclareInputText{211}{\cyyrs}
4622 \DeclareInputText{212}{\cyyrt}
4623 \DeclareInputText{213}{\cyyru}
4624 \DeclareInputText{214}{\cyyrzh}
4625 \DeclareInputText{215}{\cyyrv}
4626 \DeclareInputText{216}{\cyyrsftsn}
4627 \DeclareInputText{217}{\cyyry}
4628 \DeclareInputText{218}{\cyyrz}
4629 \DeclareInputText{219}{\cyyrsh}
4630 \DeclareInputText{220}{\cyyrerev}
4631 \DeclareInputText{221}{\cyyrshch}
4632 \DeclareInputText{222}{\cyyrch}
4633 \DeclareInputText{223}{\cyyrhrdsn}
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}{\CYP}
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}{\CYYRSFTSN}
4659 \DeclareInputText{249}{\CYYRY}
4660 \DeclareInputText{250}{\CYYRZ}
4661 \DeclareInputText{251}{\CYYRSH}
4662 \DeclareInputText{252}{\CYYREREV}
4663 \DeclareInputText{253}{\CYYRSHCH}
4664 \DeclareInputText{254}{\CYYRCH}
4665 \DeclareInputText{255}{\CYYRHRDSN}
4666 \RestoreAtCatcode
4667 /koi8-r

```

### 2.5.30 Encoding mac-centeuro

```
4668 /*mac-centeuro*/
4669 \ProvidesFile{x-mac-centeuro.def}%
4670 [2019/11/29 v1.12 Input encoding mac-centeuro (inputenx)]%
4671 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
4672 \makeatletter
4673 \ProvideTextCommandDefault{\textasciicaron}{%
4674   \v{}}%
4675 }
4676 \ProvideTextCommandDefault{\textasciidieresis}{%
4677   \v{}}%
4678 }
4679 \ProvideTextCommandDefault{\textdegree}{%
4680   \ensuremath{{}^{\circ}}%
4681 }
4682 \ProvideTextCommandDefault{\textdiv}{%
4683   \TextSymbolUnavailable{textdiv}
4684 }
4685 \ProvideTextCommandDefault{\textgreatequal}{%
4686   \ensuremath{\geq}%
4687 }
4688 \ProvideTextCommandDefault{\textincrement}{%
4689   \ensuremath{\Delta}%
4690 }
4691 \ProvideTextCommandDefault{\textlessequal}{%
4692   \ensuremath{\leq}%
4693 }
4694 \ProvideTextCommandDefault{\textlnot}{%
4695   \ensuremath{\neg}%
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{\sqrt}%
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}{\textlesseqn}
4763 \DeclareInputText{179}{\textgreatereq}
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'1}
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=0}
4792 \DeclareInputText{208}{\textendash}
4793 \DeclareInputText{209}{\textemdash}
4794 \DeclareInputText{210}{\textquotedblleft}
4795 \DeclareInputText{211}{\textquotedblright}
4796 \DeclareInputText{212}{\textquotel}
4797 \DeclareInputText{213}{\textquoter}
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'0}
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   [2019/11/29 v1.12 Input encoding mac-cyrillic (inputenx)]%
4845 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
4846 \makeatletter
4847 \ProvideTextCommandDefault{\textapprox}{%
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{\textgreater}{%
4863   \ensuremath\geq
4864 }
4865 \ProvideTextCommandDefault{\textincrement}{%
4866   \ensuremath\Delta
4867 }
4868 \ProvideTextCommandDefault{\textinfinity}{%
4869   \ensuremath\infty
4870 }
4871 \ProvideTextCommandDefault{\textless}{%
4872   \ensuremath\leq
4873 }
4874 \ProvideTextCommandDefault{\textlnot}{%
4875   \ensuremath\lnot
4876 }
4877 \ProvideTextCommandDefault{\textmu}{%
4878   \ensuremath\mu
4879 }
4880 \ProvideTextCommandDefault{\textnotequal}{%
4881   \ensuremath\neq
4882 }
4883 \ProvideTextCommandDefault{\textnumero}{%
4884   %
4885   \bgroup
4886     \check@mathfonts
4887     \fontsize{sf@size}{z@}
4888     \math@fontsfalse
4889     \selectfont
4890     \oalign{%
4891       \raise0.5ex\hbox{o}}%
4892     \crcr
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}{\textat{\tabackludge}{\CYRG}}
4950 \DeclareInputText{175}{\textat{\tabackludge}{\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}{\craryi}
4963 \DeclareInputText{188}{\CYRLJE}
4964 \DeclareInputText{189}{\cyrllje}
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}{\atabackludge'CYRK}
4981 \DeclareInputText{206}{\atabackludge'cyrk}
4982 \DeclareInputText{207}{\cyrdzze}
4983 \DeclareInputText{208}{\textendash}
4984 \DeclareInputText{209}{\textemdash}
4985 \DeclareInputText{210}{\textquotedblleft}
4986 \DeclareInputText{211}{\textquotedblright}
4987 \DeclareInputText{212}{\textquotelleft}
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}{\craryo}
4998 \DeclareInputText{223}{\crarya}
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}{\ciryi}
5008 \DeclareInputText{233}{\cyrishrt}
5009 \DeclareInputText{234}{\cyrk}
5010 \DeclareInputText{235}{\cyrll}
5011 \DeclareInputText{236}{\cyrm}
5012 \DeclareInputText{237}{\cyrn}
```

```

5013 \DeclareInputText{238}{\cyro}
5014 \DeclareInputText{239}{\cyp}
5015 \DeclareInputText{240}{\cyrp}
5016 \DeclareInputText{241}{\cyrp}
5017 \DeclareInputText{242}{\cyrp}
5018 \DeclareInputText{243}{\cyrp}
5019 \DeclareInputText{244}{\cyrp}
5020 \DeclareInputText{245}{\cyrp}
5021 \DeclareInputText{246}{\cyrp}
5022 \DeclareInputText{247}{\cyrp}
5023 \DeclareInputText{248}{\cyrp}
5024 \DeclareInputText{249}{\cyrp}
5025 \DeclareInputText{250}{\cyrp}
5026 \DeclareInputText{251}{\cyrp}
5027 \DeclareInputText{252}{\cyrp}
5028 \DeclareInputText{253}{\cyrp}
5029 \DeclareInputText{254}{\cyrp}
5030 \DeclareInputText{255}{\texteuro}
5031 \RestoreAtCatcode
5032 
```

### 2.5.32 Encoding mac-roman

```

5033 (*mac-roman)
5034 \ProvidesFile{x-mac-roman.def}%
5035 [2019/11/29 v1.12 Input encoding mac-roman (inputenx)]%
5036 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
5037 \makeatletter
5038 \ProvideTextCommandDefault{\textOmega}{%
5039 \ensuremath\Omega
5040 }
5041 \ProvideTextCommandDefault{\textacute}{%
5042 \H{}}%
5043 }
5044 \ProvideTextCommandDefault{\textapprox}{%
5045 \ensuremath\approx
5046 }
5047 \ProvideTextCommandDefault{\textasciiacute}{%
5048 \tabackludge'{}%
5049 }
5050 \ProvideTextCommandDefault{\textasciibreve}{%
5051 \u{}%
5052 }
5053 \ProvideTextCommandDefault{\textasciicaron}{%
5054 \v{}%
5055 }
5056 \ProvideTextCommandDefault{\textasciidieresis}{%
5057 \{"{}%
5058 }
5059 \ProvideTextCommandDefault{\textasciimacron}{%
5060 \tabackludge={}}%
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{\textgreatequal}{%
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\lnot
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}{\textasciiaacute}
5172 \DeclareInputText{172}{\textasciidieresis}
5173 \DeclareInputText{173}{\textnotequal}
5174 \DeclareInputText{174}{\textAE}
5175 \DeclareInputText{175}{\textO}
5176 \DeclareInputText{176}{\textinfinity}
5177 \DeclareInputText{177}{\textpm}
5178 \DeclareInputText{178}{\textlesseqn}
5179 \DeclareInputText{179}{\textgreatereq}
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}{\textae}
5191 \DeclareInputText{191}{\texto}
5192 \DeclareInputText{192}{\textquestiondown}
5193 \DeclareInputText{193}{\textexclamdown}
5194 \DeclareInputText{194}{\textlnot}
5195 \DeclareInputText{195}{\texttildes}
5196 \DeclareInputText{196}{\textflorin}
5197 \DeclareInputText{197}{\textapprox}
5198 \DeclareInputText{198}{\textincrement}
5199 \DeclareInputText{199}{\guillemotleft}
5200 \DeclareInputText{200}{\guillemotright}
5201 \DeclareInputText{201}{\textellipsis}
5202 \DeclareInputText{202}{\nobreakspace}
5203 \DeclareInputText{203}{\textat{@}tabacckludge'A}
5204 \DeclareInputText{204}{\textasciicircum{A}}
5205 \DeclareInputText{205}{\textasciitilde{O}}
5206 \DeclareInputText{206}{\textOE}
5207 \DeclareInputText{207}{\textoe}
5208 \DeclareInputText{208}{\textendash}
5209 \DeclareInputText{209}{\textemdash}
5210 \DeclareInputText{210}{\textquotedblleft}
5211 \DeclareInputText{211}{\textquotedblright}
5212 \DeclareInputText{212}{\textquoterightleft}
5213 \DeclareInputText{213}{\textquoterightright}
5214 \DeclareInputText{214}{\textdiv}
5215 \DeclareInputText{215}{\textlozenge}
5216 \DeclareInputText{216}{\texty}
5217 \DeclareInputText{217}{\textY}
5218 \DeclareInputText{218}{\textfractionssolidus}
5219 \DeclareInputText{219}{\texteuro}
5220 \DeclareInputText{220}{\textguilsinglleft}
5221 \DeclareInputText{221}{\textguilsinglright}
5222 \DeclareInputText{222}{\textfi}
5223 \DeclareInputText{223}{\textfl}
5224 \DeclareInputText{224}{\textdaggerdbl}
5225 \DeclareInputText{225}{\textperiodcentered}
5226 \DeclareInputText{226}{\textquotingleftbase}
5227 \DeclareInputText{227}{\textquotingbase}
5228 \DeclareInputText{228}{\textperthousand}
5229 \DeclareInputText{229}{\textasciicircum{A}}
5230 \DeclareInputText{230}{\textasciitilde{E}}
5231 \DeclareInputText{231}{\textat{@}tabacckludge'A}
5232 \DeclareInputText{232}{\textE}
5233 \DeclareInputText{233}{\textat{@}tabacckludge'E}
5234 \DeclareInputText{234}{\textat{@}tabacckludge'I}
5235 \DeclareInputText{235}{\textasciicircum{I}}
5236 \DeclareInputText{236}{\textI}
5237 \DeclareInputText{237}{\textat{@}tabacckludge'I}
5238 \DeclareInputText{238}{\textat{@}tabacckludge'0}
5239 \DeclareInputText{239}{\textasciitilde{O}}
5240 \DeclareInputText{241}{\textat{@}tabacckludge'0}
5241 \DeclareInputText{242}{\textat{@}tabacckludge'U}
5242 \DeclareInputText{243}{\textasciitilde{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   [2019/11/29 v1.12 Input encoding nextstep (inputenx)]%
5260 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
5261 \makeatletter
5262 \ProvideTextCommandDefault{\textacutedbl}{%
5263   \H{}%
5264 }
5265 \ProvideTextCommandDefault{\textasciiaacute}{%
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{\overset{1}{\cdot}}%
5315 }
5316 \ProvideTextCommandDefault{\textpm}{%
5317   \ensuremath{\pm}
5318 }
5319 \ProvideTextCommandDefault{\textthreequarters}{%
5320   \ensuremath{\frac{3}{4}}%
5321 }
5322 \ProvideTextCommandDefault{\textthreesuperior}{%
5323   \ensuremath{\overset{3}{\cdot}}%
5324 }
5325 \ProvideTextCommandDefault{\texttimes}{%
5326   \ensuremath{\times}
5327 }
5328 \ProvideTextCommandDefault{\texttwosuperior}{%
5329   \ensuremath{\overset{2}{\cdot}}%
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'0}
5353 \DeclareInputText{147}{\@tabacckludge'0}
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}{\textfi}
5381 \DeclareInputText{175}{\textfl}
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}{\textquotingleftbase}
5391 \DeclareInputText{185}{\textquotedblbase}
5392 \DeclareInputText{186}{\textquotedblbright}
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}{\textasciidieresis}
5406 \DeclareInputText{200}{\textasciidieresis}
5407 \DeclareInputText{201}{\texttwosuperior}
5408 \DeclareInputText{202}{\textr}
5409 \DeclareInputText{203}{\textc}
5410 \DeclareInputText{204}{\textthreesuperior}
5411 \DeclareInputText{205}{\textacute}
5412 \DeclareInputText{206}{\textk}
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   [2019/11/29 v1.12 Additions of inputenx for utf8enc.dfu]%
5471 \DeclareUnicodeCharacter{00AO}{\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}{\hebalef}
5607 \DeclareUnicodeCharacter{05D1}{\hebbet}
5608 \DeclareUnicodeCharacter{05D2}{\hebgimel}
5609 \DeclareUnicodeCharacter{05D3}{\hebdalet}
5610 \DeclareUnicodeCharacter{05D4}{\hebbe}
5611 \DeclareUnicodeCharacter{05D5}{\hebvav}
5612 \DeclareUnicodeCharacter{05D6}{\hebzayin}
5613 \DeclareUnicodeCharacter{05D7}{\hebhet}
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}{\hebnun}
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}{\hebreish}
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}{\textapproximate}
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}{f1}
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}{\textSFlii}
5673 \DeclareUnicodeCharacter{2553}{\textSFlii}
5674 \DeclareUnicodeCharacter{2554}{\textSFxxxix}
5675 \DeclareUnicodeCharacter{2555}{\textSFxxii}
5676 \DeclareUnicodeCharacter{2556}{\textSFxxi}
5677 \DeclareUnicodeCharacter{2557}{\textSFxxv}
5678 \DeclareUnicodeCharacter{2558}{\textSF1}
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}{\textSFlii}
5698 \DeclareUnicodeCharacter{256C}{\textSFxliv}
5699 \DeclareUnicodeCharacter{2580}{\textupblock}
5700 \DeclareUnicodeCharacter{2584}{\textdnblock}
```

```

5701 \DeclareUnicodeCharacter{2588}{\textblock}
5702 \DeclareUnicodeCharacter{258C}{\textlfblock}
5703 \DeclareUnicodeCharacter{2590}{\textrtblock}
5704 \DeclareUnicodeCharacter{2591}{\textltshade}
5705 \DeclareUnicodeCharacter{2592}{\textshade}
5706 \DeclareUnicodeCharacter{2593}{\textdkshade}
5707 
```

## 2.7 Name list

```

5708 /*name)
5709 \ProvidesFile{ix-name.def}%
5710   [2019/11/29 v1.12 Name list (inputenx)]%
List omitted here, see ix-name.def.
5711 
```

## 2.8 Mapping Slot, UC to Encodings

```

5712 /*slot)
5713 \ProvidesFile{ix-slot.def}%
5714   [2019/11/29 v1.12 SLOT and UC to Encodings (inputenx)]%
List omitted here, see ix-slot.def.
5715 
```

## 2.9 Mapping UC to LICR

```

5716 /*uc)
5717 \ProvidesFile{ix-uc.def}%
5718   [2019/11/29 v1.12 UC to LICR (inputenx)]%
5719 \edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
5720 \makeatletter
List omitted here, see ix-uc.def.
5721 \RestoreAtCatcode
5722 
```

## 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 L<sup>A</sup>T<sub>E</sub>X encodings using `\DeclareInputMath`.

```

5723 /*math)
5724 \ProvidesFile{ix-math.def}%
5725   [2019/11/29 v1.12 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{\textapproxeq}{\approx}
5731 \DeclareMathMeaning{\textbardbl}{\Vert} = \|
5732 \DeclareMathMeaning{\textbeta}{\beta}
5733 \DeclareMathMeaning{\textbullet}{\bullet}
5734 \DeclareMathMeaning{\textcap}{\cap}
5735 \DeclareMathMeaning{\textcontourintegral}{\oint}
5736 \DeclareMathMeaning{\textcopyright}{\nfss@text{\textcopyright}}
5737 \DeclareMathMeaning{\textcup}{\cup}

```

```

5738 \DeclareMathMeaning{\textdagger}{\dagger}
5739 \DeclareMathMeaning{\textdaggerdbl}{\ddagger}
5740 \DeclareMathMeaning{\textdegree}{\circ}
5741 \DeclareMathMeaning{\textdelta}{\delta}
5742 \DeclareMathMeaning{\textdollar}{\$}
5743 \DeclareMathMeaning{\textepsilon}{\varepsilon}
5744 \DeclareMathMeaning{\textequivalence}{\equiv}
5745 \DeclareMathMeaning{\textbraceleft}{\{ }
5746 \DeclareMathMeaning{\textbraceright}{\} }
5747 \DeclareMathMeaning{\textdiv}{\div}
5748 \DeclareMathMeaning{\textdownarrow}{\downarrow}
5749 \DeclareMathMeaning{\textelement}{\in}
5750 \DeclareMathMeaning{\textellipsis}{\dots}
5751 \DeclareMathMeaning{\textGamma}{\Gamma}
5752 \DeclareMathMeaning{\textgreaterorequal}{\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}{\not}
5761 \DeclareMathMeaning{\textlogicalnot}{\neg}
5762 \DeclareMathMeaning{\textlozenge}{\diamond}
5763 \DeclareMathMeaning{\textmu}{\mu}
5764 \DeclareMathMeaning{\textnotequal}{\neq}
5765 \DeclareMathMeaning{\textnsuperior}{\textsuperscript{n}}
5766 \DeclareMathMeaning{\textohm}{\Omega}
5767 \DeclareMathMeaning{\textOmega}{\Omega}
5768 \DeclareMathMeaning{\textonehalf}{\frac{1}{2}}
5769 \DeclareMathMeaning{\textonequarter}{\frac{1}{4}}
5770 \DeclareMathMeaning{\textonesuperior}{\textsuperscript{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}{\rangle}
5779 \DeclareMathMeaning{\textrevlogicalnot}{\textsf{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}{\textsuperscript{3}}
5791 \DeclareMathMeaning{\texttwosuperior}{\textsuperscript{2}}
5792 \DeclareMathMeaning{\textuparrow}{\uparrow}
5793 \RestoreAtCatcode
5794 

```

## 2.11 Documentation files

### 2.11.1 List of known LICR commands

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

```
5795 (*licrcmds)
5796 % List of known LICR commands of inputenx 2019/11/29 v1.12
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 2ekernel 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{\textquotefont}{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 
```

### 2.11.2 Commented additions for utf8enc.dfu

```

5899 /*dfudoc*/
5900 % inputenx-utf8enc.txt 2019/11/29 v1.12
5901 % Commented additions for utf8enc.dfu

```

*List omitted here, see `inputenx-utf8enc.txt`.*  
 5903 ⟨/dfudoc⟩

## 3 Installation

### 3.1 Download

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

`CTAN:macros/latex/contrib/inputenx/inputenx.dtx` The source file.

`CTAN:macros/latex/contrib/inputenx/inputenx.pdf` Documentation.

**Bundle.** All the packages of the bundle ‘inputenx’ 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/inputenx.tds.zip`

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

### 3.2 Bundle installation

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

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

### 3.3 Package installation

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

```
tex inputenx.dtx
```

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

---

<sup>1</sup>`CTAN:pkg/inputenx`

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

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

### 3.4 Refresh file name databases

If your TeX distribution (TeX Live, mikTeX, ...) relies on file name databases, you must refresh these. For example, TeX Live users run `texhash` or `mktexlsr`.

### 3.5 Some details for the interested

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

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

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

If you insist on using L<sup>A</sup>T<sub>E</sub>X for docstrip (really, docstrip does not need L<sup>A</sup>T<sub>E</sub>X), then inform the autodetect routine about your intention:

```
latex \let\install=y\input{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 pdfL<sup>A</sup>T<sub>E</sub>X:

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

## 4 References

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

### 4.1 Mappings to Unicode

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- [7] Ken Whistler, *ISO/IEC 8859-1:1998 to Unicode*, 27th July 1999. <ftp://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-1.TXT>
- [8] Ken Whistler, *ISO/IEC 8859-2:1999 to Unicode*, 27th July 1999. <ftp://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-2.TXT>
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- [10] Ken Whistler, *ISO/IEC 8859-4:1998 to Unicode*, 27th July 1999. <ftp://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-4.TXT>
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- [15] Ken Whistler, *ISO/IEC 8859-16:2001 to Unicode*, 26th July 2001. <ftp://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-16.TXT>
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- [17] Apple Computer, *Map (external version) from MAC OS Central European character set to Unicode 2.1 and later*, 4th April 2005. <ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/APPLE/CENTEURO.TXT>
- [18] Apple Computer, *Map (external version) from MAC OS Cyrillic character set to Unicode 2.1 and later*, 5th April 2005. <ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/APPLE/CYRILLIC.TXT>
- [19] Apple Computer, *Map (external version) from MAC OS Roman character set to Unicode 2.1 and later*, 5th April 2005. <ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/APPLE/ROMAN.TXT>
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- [21] Rick McGowan, *NextStep Encoding to Unicode*, 23rd September 1999. <ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/NEXT/NEXTSTEP.TXT>

## 5 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.

## [2019/11/29 v1.12]

- Documentation updates.

## 6 Index

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