The inputenx package

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Abstract

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

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

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1 Documentation

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

The first stage with encoding definition files is implemented. Encoding definition files are provided with the following properties in comparison to LaTeX's ones:

- More uptodate and closer to the standards. Updating LaTeX 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 LaTeX Companion" [1]. That means that the deprecated `\DeclareInputMath` is not longer used. Instead package inpmath is supported by providing declarations using `\DeclareMathMeaning`.
- Encoding names can also be given by various alias names.

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

1.1 Definition files

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

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

As option for package inputenx the prefix may be dropped:

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

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

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 (LaTeX 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 LaTeX/package inputenc is not to declare characters for math only. Instead there is a experimental package inpmath that extends package inputenc, to change the behaviour of input characters if used in math mode. File ix-math.def provides some definitions of math characters. Package option 'math' loads package inpmath and loads file ix-math.cfg. If ix-math.cfg does not exist, ix-math.def is loaded instead. (The file ix-math.cfg may contain \input{ix-math.def}.)

1.5 Setting the input encoding

1.5.1 Encoding as package option

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

1.5.2 \InputEncoding

\InputEncoding {⟨*encoding*⟩}

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

\CurrentInputEncodingName
\CurrentInputEncodingOption

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

1.5.3 Hooks

\BeforeInputEncoding {⟨*code*⟩}
\AfterInputEncoding {⟨*code*⟩}

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

\InputEncodingNameOld
\InputEncodingOptionOld
\InputEncodingNew

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

2 Implementation

2.1 Identification

```
⟨*package⟩
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{inputenx}%
  [2016/05/16 v1.11 Enhanced input encoding handling (HO)]%
```

2.2 Encoding names

2.2.1 Record current encoding names

\CurrentInputEncodingName

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

\CurrentInputEncodingOption

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

2.2.2 Catcode settings for file reading

\IEX@SetFileCatcodes

```
\def\IEX@SetFileCatcodes{%
  \catcode`\\=0 %
  \catcode`\{=1 %
  \catcode`\}=2 %
  \catcode`\#=6 %
  \catcode`\^=7 %
  \catcode`\@=11 %
  \catcode`\~=\active
  \catcode`\%=14 %
  \catcode`\`=12 %
}
```

\IEX@SaveFileCatcodes
\IEX@RestoreFileCatcodes

```
\def\IEX@SaveFileCatcodes{%
  \edef\IEX@RestoreFileCatcodes{%
    \catcode`\noexpand\\=\the\catcode`\\\relax
    \catcode`\noexpand\{=\the\catcode`\{\relax
    \catcode`\noexpand\}=\the\catcode`\}\relax
    \catcode`\noexpand\#=\the\catcode`\#\relax
    \catcode`\noexpand\^=\the\catcode`\^\relax
    \catcode`\noexpand\@=\the\catcode`\@\relax
    \catcode`\noexpand\~=\the\catcode`\~\relax
    \catcode`\noexpand\%=\the\catcode`\%\relax
    \catcode`\noexpand\`=\the\catcode`\`\relax
    \catcode`\noexpand\<=\the\catcode`\<\relax
  }%
}
```

2.2.3 Aliases for encoding names

```
\def\IEX@LookupEncoding#1{%
  \edef\CurrentInputEncodingName{#1}%
  \@onelevel@sanitize\CurrentInputEncodingName
  \let\CurrentInputEncodingOption\@empty
  \@ifundefined{IEX@enc@\CurrentInputEncodingName}{%
    \global\expandafter\let
      \csname IEX@enc@\CurrentInputEncodingName\endcsname
      \CurrentInputEncodingName
    \IEX@DoLookup
  }{}%
  \edef\CurrentInputEncodingOption{%
    \csname IEX@enc@\CurrentInputEncodingName\endcsname
  }%
  \ifx\CurrentInputEncodingOption\@empty
    \PackageWarning{inputenx}{%
      Encoding `\CurrentInputEncodingName' is not available%
      \MessageBreak
      and therefore ignored%
    }%
  \else
    \IfFileExists{\CurrentInputEncodingOption.def}{%
      \PackageInfo{inputenx}{%
        Encoding name: \CurrentInputEncodingName\MessageBreak
        Encoding file: \CurrentInputEncodingOption.def\MessageBreak
      }%
    }{%
      \PackageError{inputenx}{%
        Cannot load encoding `\CurrentInputEncodingName'.\MessageBreak
        A valid encoding alias was not found and\MessageBreak
        encoding file `\CurrentInputEncodingOption.def' does not exist%
      }\@ehc
      \global\expandafter\let
        \csname IEX@enc@\CurrentInputEncodingName\endcsname\@empty
      \let\CurrentInputEncodingName\@empty
      \let\CurrentInputEncodingOption\@empty
    }%
  \fi
}
```

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

```
\def\IEX@DoLookup{%
  \begingroup
    \IEX@SetFileCatcodes
    \advance\endlinechar\@M
    \IfFileExists{ix-alias.cfg}{%
      \input{ix-alias.cfg}%
    }{%
      \input{ix-alias.def}%
    }%
    \advance\endlinechar-\@M
  \endgroup
}
\def\InputenxAlias#1#2{%
  \edef\IEX@temp{#1}%
  \@onelevel@sanitize\IEX@temp
  \ifx\IEX@temp\CurrentInputEncodingName
    \edef\IEX@temp{#2}%
    \@onelevel@sanitize\IEX@temp
    \IfFileExists{\IEX@temp.def}{%
      \global\expandafter\let
```

```
      \csname IEX@enc@\CurrentInputEncodingName\endcsname\IEX@temp
    \expandafter\endinput
   }{%
    \PackageWarning{inputenx}{%
     Missing encoding file `\IEX@temp.def'\MessageBreak
     for encoding `\CurrentInputEncodingName', continuing%
     \MessageBreak
     with lookup search%
    }%
   }%
  \fi
}
```

2.3 Package options

2.3.1 Declare and process options

```
\newif\ifIEX@math
\DeclareOption{math}{\IEX@mathtrue}
\let\IEX@enclist\@empty
\DeclareOption*{%
  \ifx\IEX@enclist\@empty
    \let\IEX@enclist\CurrentOption
  \else
    \edef\IEX@enclist{\IEX@enclist,\CurrentOption}%
  \fi
}
\ProcessOptions*
```

2.3.2 Load inputenc with encoding options

```
\let\IEX@OptionList\@empty
\@for\CurrentOption:=\IEX@enclist\do{%
  \IEX@LookupEncoding\CurrentOption
  \ifx\CurrentInputEncodingOption\@empty
  \else
    \edef\IEX@OptionList{%
      \ifx\IEX@OptionList\@empty
      \else
        \IEX@OptionList,%
      \fi
      \CurrentInputEncodingOption
    }%
  \fi
}
\RequirePackage{inputenc}
\@for\IEX@Option:=\IEX@OptionList\do{%
  \inputencoding{\IEX@Option}%
}
```

2.3.3 \InputEncoding

\IEX@BeforeHook

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

\IEX@AfterHook

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

\BeforeInputEncoding

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

\AfterInputEncoding

```
\newcommand*{\AfterInputEncoding}{%
```

```
  \g@addto@macro\IEX@AfterHook
}
```

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

```
\newcommand*{\InputEncoding}[1]{%
  \let\InputEncodingNameOld\CurrentInputEncodingName
  \let\InputEncodingOptionOld\CurrentInputEncodingOption
  \edef\InputEncodingNew{#1}%
  \IEX@BeforeHook
  \IEX@LookupEncoding\InputEncodingNew
  \ifx\CurrentInputEncodingOption\@empty
  \else
    \IEX@SaveFileCatcodes
    \IEX@SetFileCatcodes
    \inputencoding{\CurrentInputEncodingOption}%
    \IEX@RestoreFileCatcodes
%   \ifx\PassOptionsToPackage\@notprerr
%   \else
%     \expandafter\PassOptionsToPackage\expandafter{%
%       \CurrentInputEncodingOption
%     }{inputenc}%
%     \ifx\CurrentInputEncodingName\CurrentInputEncodingOption
%     \else
%       \expandafter\PassOptionsToPackage\expandafter{%
%         \CurrentInputEncodingName
%       }{inputenc}%
%     \fi
%   \fi
  \fi
  \IEX@AfterHook
}
```

2.3.4 Option math

```
\ifIEX@math
  \RequirePackage{inpmath}%
  \IfFileExists{ix-math.cfg}{%
    \input{ix-math.cfg}%
  }{%
    \input{ix-math.def}%
  }%
\fi
```

⟨/package⟩

2.4 Alias encoding file

⟨*alias⟩

```
\ProvidesFile{ix-alias.def}[2016/05/16 v1.11 Alias list (inputenx)]
```

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

```
\InputenxAlias{ascii}{x-ascii}
\InputenxAlias{atarist}{x-atarist}
\InputenxAlias{iso-8859-1}{x-iso-8859-1}
\InputenxAlias{iso-8859-2}{x-iso-8859-2}
\InputenxAlias{iso-8859-3}{x-iso-8859-3}
\InputenxAlias{iso-8859-4}{x-iso-8859-4}
\InputenxAlias{iso-8859-5}{x-iso-8859-5}
\InputenxAlias{iso-8859-8}{x-iso-8859-8}
\InputenxAlias{iso-8859-9}{x-iso-8859-9}
\InputenxAlias{iso-8859-10}{x-iso-8859-10}
\InputenxAlias{iso-8859-13}{x-iso-8859-13}
\InputenxAlias{iso-8859-14}{x-iso-8859-14}
```

```
\InputenxAlias{iso-8859-15}{x-iso-8859-15}
\InputenxAlias{iso-8859-16}{x-iso-8859-16}
\InputenxAlias{cp437}{x-cp437}
\InputenxAlias{cp850}{x-cp850}
\InputenxAlias{cp852}{x-cp852}
\InputenxAlias{cp855}{x-cp855}
\InputenxAlias{cp858}{x-cp858}
\InputenxAlias{cp865}{x-cp865}
\InputenxAlias{cp866}{x-cp866}
\InputenxAlias{cp1250}{x-cp1250}
\InputenxAlias{cp1251}{x-cp1251}
\InputenxAlias{cp1252}{x-cp1252}
\InputenxAlias{cp1255}{x-cp1255}
\InputenxAlias{cp1257}{x-cp1257}
\InputenxAlias{dec-mcs}{x-dec-mcs}
\InputenxAlias{koi8-r}{x-koi8-r}
\InputenxAlias{mac-centeuro}{x-mac-centeuro}
\InputenxAlias{mac-cyrillic}{x-mac-cyrillic}
\InputenxAlias{mac-roman}{x-mac-roman}
\InputenxAlias{nextstep}{x-nextstep}
```

Now the real aliases start:

```
\InputenxAlias{ansinew}{x-cp1252}
\InputenxAlias{applemac}{x-mac-roman}
\InputenxAlias{ascii-print}{x-ascii}
\InputenxAlias{ascii-printable}{x-ascii}
\InputenxAlias{atari}{x-atarist}
\InputenxAlias{clean7bit}{x-ascii}
\InputenxAlias{cp437de}{x-cp437}
\InputenxAlias{decmulti}{x-dec-mcs}
\InputenxAlias{iso88595}{x-iso-8859-5}
\InputenxAlias{latin1}{x-iso-8859-1}
\InputenxAlias{latin10}{x-iso-8859-16}
\InputenxAlias{latin2}{x-iso-8859-2}
\InputenxAlias{latin3}{x-iso-8859-3}
\InputenxAlias{latin4}{x-iso-8859-4}
\InputenxAlias{latin5}{x-iso-8859-9}
\InputenxAlias{latin6}{x-iso-8859-10}
\InputenxAlias{latin7}{x-iso-8859-13}
\InputenxAlias{latin8}{x-iso-8859-14}
\InputenxAlias{latin9}{x-iso-8859-15}
\InputenxAlias{mac-ce}{x-mac-centeuro}
\InputenxAlias{mac-ukrainian}{x-mac-cyrillic}
\InputenxAlias{macce}{x-mac-centeuro}
\InputenxAlias{maccyr}{x-mac-cyrillic}
\InputenxAlias{macukr}{x-mac-cyrillic}
\InputenxAlias{next}{x-nextstep}
\InputenxAlias{us-ascii}{x-ascii}
\InputenxAlias{verbatim}{x-verbatim}
⟨/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.

```
⟨*ascii⟩
\ProvidesFile{x-ascii.def}%
  [2016/05/16 v1.11 Input encoding ascii (inputenx)]%
\csname @inpenc@test\endcsname
⟨/ascii⟩
```

2.5.2 Encoding verbatim

```
⟨*verbatim⟩
\ProvidesFile{x-verbatim.def}%
  [2016/05/16 v1.11 Input encoding verbatim (inputenx)]%
\csname @inpenc@test\endcsname
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\def\IPX@VerbatimLoop#1#2{%
  \@tempcnta#1\relax
  \loop
    \catcode\@tempcnta=12 %
%     \catcode\@tempcnta\active
%     \begingroup
%       \uccode`\~\@tempcnta
%     \uppercase{\endgroup
%       \edef~{\string~}%
%     }%
  \ifnum\@tempcnta<#2\relax
    \advance\@tempcnta\@ne
  \repeat
}
\IPX@VerbatimLoop{1}{8}
\IPX@VerbatimLoop{11}{11}
\IPX@VerbatimLoop{14}{31}
\IPX@VerbatimLoop{127}{255}
\RestoreAtCatcode
⟨/verbatim⟩
```

2.5.3 Encoding atarist

```
⟨*atarist⟩
\ProvidesFile{x-atarist.def}%
  [2016/05/16 v1.11 Input encoding atarist (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textGamma}{%
  \ensuremath\Gamma
}
\ProvideTextCommandDefault{\textOmega}{%
  \ensuremath\Omega
}
\ProvideTextCommandDefault{\textPhi}{%
  \ensuremath\Phi
}
\ProvideTextCommandDefault{\textSigma}{%
  \ensuremath\Sigma
}
\ProvideTextCommandDefault{\textTheta}{%
  \ensuremath\Theta
}
\ProvideTextCommandDefault{\textalpha}{%
  \ensuremath\alpha
}
\ProvideTextCommandDefault{\textapproxequal}{%
  \ensuremath\approx
}
\ProvideTextCommandDefault{\textasciiacute}{%
  \@tabacckludge'{}%
}
\ProvideTextCommandDefault{\textasciidieresis}{%
  \"{}%
}
\ProvideTextCommandDefault{\textasciimacron}{%
```

```
  \@tabacckludge={}%
}
\ProvideTextCommandDefault{\textbeta}{%
  \ensuremath\beta
}
\ProvideTextCommandDefault{\textcap}{%
  \ensuremath\cap
}
\ProvideTextCommandDefault{\textcent}{%
  \TextSymbolUnavailable\textcent
}
\ProvideTextCommandDefault{\textcontourintegral}{%
  \ensuremath\oint
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textdelta}{%
  \ensuremath\delta
}
\ProvideTextCommandDefault{\textdiv}{%
  \TextSymbolUnavailable\textdiv
}
\ProvideTextCommandDefault{\textelement}{%
  \ensuremath\in
}
\ProvideTextCommandDefault{\textequivalence}{%
  \ensuremath\equiv
}
\ProvideTextCommandDefault{\textflorin}{%
  \textit{f}%
}
\ProvideTextCommandDefault{\textgreaterequal}{%
  \ensuremath\geq
}
\ProvideTextCommandDefault{\textinfinity}{%
  \ensuremath\infty
}
\ProvideTextCommandDefault{\textintersection}{%
  \ensuremath\cap
}
\ProvideTextCommandDefault{\textlessequal}{%
  \ensuremath\leq
}
\ProvideTextCommandDefault{\textlnot}{%
  \ensuremath\lnot
}
\ProvideTextCommandDefault{\textmu}{%
  \ensuremath\mu
}
\ProvideTextCommandDefault{\textnsuperior}{%
  \ensuremath{{^n}}%
}
\ProvideTextCommandDefault{\textonehalf}{%
  \ensuremath{\frac12}%
}
\ProvideTextCommandDefault{\textonequarter}{%
  \ensuremath{\frac14}%
}
\ProvideTextCommandDefault{\textphi}{%
  \ensuremath\phi
}
```

```
\ProvideTextCommandDefault{\textpi}{%
  \ensuremath\pi
}
\ProvideTextCommandDefault{\textpm}{%
  \ensuremath\pm
}
\ProvideTextCommandDefault{\textrevlogicalnot}{%
  \begingroup
    \@ifundefined{reflectbox}{%
      \TextSymbolUnavailable\textrevlogicalnot
    }{%
      \def\@revlogicalnot##1##2{%
        \reflectbox{$##1##2$}%
      }%
      \ensuremath{\mathpalette\@revlogicalnot\lnot}%
    }%
  \endgroup
}
\ProvideTextCommandDefault{\textsigma}{%
  \ensuremath\sigma
}
\ProvideTextCommandDefault{\textsurd}{%
  \ensuremath\surd
}
\ProvideTextCommandDefault{\texttau}{%
  \ensuremath\tau
}
\ProvideTextCommandDefault{\textthreesuperior}{%
  \ensuremath{{^3}}%
}
\ProvideTextCommandDefault{\texttwosuperior}{%
  \ensuremath{{^2}}%
}
\ProvideTextCommandDefault{\textyen}{%
  \TextSymbolUnavailable\textyen
}
\DeclareInputText{128}{\c C}
\DeclareInputText{129}{\"u}
\DeclareInputText{130}{\@tabacckludge'e}
\DeclareInputText{131}{\^a}
\DeclareInputText{132}{\"a}
\DeclareInputText{133}{\@tabacckludge`a}
\DeclareInputText{134}{\r a}
\DeclareInputText{135}{\c c}
\DeclareInputText{136}{\^e}
\DeclareInputText{137}{\"e}
\DeclareInputText{138}{\@tabacckludge`e}
\DeclareInputText{139}{\"\i}
\DeclareInputText{140}{\^\i}
\DeclareInputText{141}{\@tabacckludge`\i}
\DeclareInputText{142}{\"A}
\DeclareInputText{143}{\r A}
\DeclareInputText{144}{\@tabacckludge'E}
\DeclareInputText{145}{\ae}
\DeclareInputText{146}{\AE}
\DeclareInputText{147}{\^o}
\DeclareInputText{148}{\"o}
\DeclareInputText{149}{\@tabacckludge`o}
\DeclareInputText{150}{\^u}
\DeclareInputText{151}{\@tabacckludge`u}
\DeclareInputText{152}{\"y}
\DeclareInputText{153}{\"O}
```

```
\DeclareInputText{154}{\"U}
\DeclareInputText{155}{\textcent}
\DeclareInputText{156}{\textsterling}
\DeclareInputText{157}{\textyen}
\DeclareInputText{158}{\ss}
\DeclareInputText{159}{\textflorin}
\DeclareInputText{160}{\@tabacckludge'a}
\DeclareInputText{161}{\@tabacckludge'\i}
\DeclareInputText{162}{\@tabacckludge'o}
\DeclareInputText{163}{\@tabacckludge'u}
\DeclareInputText{164}{\~n}
\DeclareInputText{165}{\~N}
\DeclareInputText{166}{\textordfeminine}
\DeclareInputText{167}{\textordmasculine}
\DeclareInputText{168}{\textquestiondown}
\DeclareInputText{169}{\textrevlogicalnot}
\DeclareInputText{170}{\textlnot}
\DeclareInputText{171}{\textonehalf}
\DeclareInputText{172}{\textonequarter}
\DeclareInputText{173}{\textexclamdown}
\DeclareInputText{174}{\guillemotleft}
\DeclareInputText{175}{\guillemotright}
\DeclareInputText{176}{\~a}
\DeclareInputText{177}{\~o}
\DeclareInputText{178}{\O}
\DeclareInputText{179}{\o}
\DeclareInputText{180}{\oe}
\DeclareInputText{181}{\OE}
\DeclareInputText{182}{\@tabacckludge`A}
\DeclareInputText{183}{\~A}
\DeclareInputText{184}{\~O}
\DeclareInputText{185}{\textasciidieresis}
\DeclareInputText{186}{\textasciiacute}
\DeclareInputText{187}{\textdagger}
\DeclareInputText{188}{\textparagraph}
\DeclareInputText{189}{\textcopyright}
\DeclareInputText{190}{\textregistered}
\DeclareInputText{191}{\texttrademark}
\DeclareInputText{192}{\ij}
\DeclareInputText{193}{\IJ}
\DeclareInputText{194}{\hebalef}
\DeclareInputText{195}{\hebbet}
\DeclareInputText{196}{\hebgimel}
\DeclareInputText{197}{\hebdalet}
\DeclareInputText{198}{\hebhe}
\DeclareInputText{199}{\hebvav}
\DeclareInputText{200}{\hebzayin}
\DeclareInputText{201}{\hebhet}
\DeclareInputText{202}{\hebtet}
\DeclareInputText{203}{\hebyod}
\DeclareInputText{204}{\hebkaf}
\DeclareInputText{205}{\heblamed}
\DeclareInputText{206}{\hebmem}
\DeclareInputText{207}{\hebnun}
\DeclareInputText{208}{\hebsamekh}
\DeclareInputText{209}{\hebayin}
\DeclareInputText{210}{\hebpe}
\DeclareInputText{211}{\hebtsadi}
\DeclareInputText{212}{\hebqof}
\DeclareInputText{213}{\hebresh}
\DeclareInputText{214}{\hebshin}
\DeclareInputText{215}{\hebtav}
```

```
\DeclareInputText{216}{\hebfinalnun}
\DeclareInputText{217}{\hebfinalkaf}
\DeclareInputText{218}{\hebfinalmem}
\DeclareInputText{219}{\hebfinalpe}
\DeclareInputText{220}{\hebfinaltsadi}
\DeclareInputText{221}{\textsection}
\DeclareInputText{222}{\textcap}
\DeclareInputText{223}{\textinfinity}
\DeclareInputText{224}{\textalpha}
\DeclareInputText{225}{\textbeta}
\DeclareInputText{226}{\textGamma}
\DeclareInputText{227}{\textpi}
\DeclareInputText{228}{\textSigma}
\DeclareInputText{229}{\textsigma}
\DeclareInputText{230}{\textmu}
\DeclareInputText{231}{\texttau}
\DeclareInputText{232}{\textPhi}
\DeclareInputText{233}{\textTheta}
\DeclareInputText{234}{\textOmega}
\DeclareInputText{235}{\textdelta}
\DeclareInputText{236}{\textcontourintegral}
\DeclareInputText{237}{\textphi}
\DeclareInputText{238}{\textelement}
\DeclareInputText{239}{\textintersection}
\DeclareInputText{240}{\textequivalence}
\DeclareInputText{241}{\textpm}
\DeclareInputText{242}{\textgreaterequal}
\DeclareInputText{243}{\textlessequal}
\DeclareInputText{246}{\textdiv}
\DeclareInputText{247}{\textapproxequal}
\DeclareInputText{248}{\textdegree}
\DeclareInputText{249}{\textbullet}
\DeclareInputText{250}{\textperiodcentered}
\DeclareInputText{251}{\textsurd}
\DeclareInputText{252}{\textnsuperior}
\DeclareInputText{253}{\texttwosuperior}
\DeclareInputText{254}{\textthreesuperior}
\DeclareInputText{255}{\textasciimacron}
\RestoreAtCatcode
⟨/atarist⟩
```

2.5.4 Encoding iso-8859-1

```
⟨*iso-8859-1⟩
\ProvidesFile{x-iso-8859-1.def}%
  [2016/05/16 v1.11 Input encoding iso-8859-1 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textasciiacute}{%
  \@tabacckludge'{}%
}
\ProvideTextCommandDefault{\textasciidieresis}{%
  \"{}%
}
\ProvideTextCommandDefault{\textasciimacron}{%
  \@tabacckludge={}%
}
\ProvideTextCommandDefault{\textbrokenbar}{%
  \TextSymbolUnavailable\textbrokenbar
}
\ProvideTextCommandDefault{\textcent}{%
  \TextSymbolUnavailable\textcent
}
\ProvideTextCommandDefault{\textcurrency}{%
```

```
  \TextSymbolUnavailable\textcurrency
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textdiv}{%
  \TextSymbolUnavailable\textdiv
}
\ProvideTextCommandDefault{\textlnot}{%
  \ensuremath\lnot
}
\ProvideTextCommandDefault{\textmu}{%
  \ensuremath\mu
}
\ProvideTextCommandDefault{\textonehalf}{%
  \ensuremath{\frac12}%
}
\ProvideTextCommandDefault{\textonequarter}{%
  \ensuremath{\frac14}%
}
\ProvideTextCommandDefault{\textonesuperior}{%
  \ensuremath{{^1}}%
}
\ProvideTextCommandDefault{\textpm}{%
  \ensuremath\pm
}
\ProvideTextCommandDefault{\textthreequarters}{%
  \ensuremath{\frac34}%
}
\ProvideTextCommandDefault{\textthreesuperior}{%
  \ensuremath{{^3}}%
}
\ProvideTextCommandDefault{\texttimes}{%
  \ensuremath\times
}
\ProvideTextCommandDefault{\texttwosuperior}{%
  \ensuremath{{^2}}%
}
\ProvideTextCommandDefault{\textyen}{%
  \TextSymbolUnavailable\textyen
}
\DeclareInputText{160}{\nobreakspace}
\DeclareInputText{161}{\textexclamdown}
\DeclareInputText{162}{\textcent}
\DeclareInputText{163}{\textsterling}
\DeclareInputText{164}{\textcurrency}
\DeclareInputText{165}{\textyen}
\DeclareInputText{166}{\textbrokenbar}
\DeclareInputText{167}{\textsection}
\DeclareInputText{168}{\textasciidieresis}
\DeclareInputText{169}{\textcopyright}
\DeclareInputText{170}{\textordfeminine}
\DeclareInputText{171}{\guillemotleft}
\DeclareInputText{172}{\textlnot}
\DeclareInputText{173}{\-}
\DeclareInputText{174}{\textregistered}
\DeclareInputText{175}{\textasciimacron}
\DeclareInputText{176}{\textdegree}
\DeclareInputText{177}{\textpm}
\DeclareInputText{178}{\texttwosuperior}
\DeclareInputText{179}{\textthreesuperior}
\DeclareInputText{180}{\textasciiacute}
```

```
\DeclareInputText{181}{\textmu}
\DeclareInputText{182}{\textparagraph}
\DeclareInputText{183}{\textperiodcentered}
\DeclareInputText{184}{\c\ }
\DeclareInputText{185}{\textonesuperior}
\DeclareInputText{186}{\textordmasculine}
\DeclareInputText{187}{\guillemotright}
\DeclareInputText{188}{\textonequarter}
\DeclareInputText{189}{\textonehalf}
\DeclareInputText{190}{\textthreequarters}
\DeclareInputText{191}{\textquestiondown}
\DeclareInputText{192}{\@tabacckludge`A}
\DeclareInputText{193}{\@tabacckludge'A}
\DeclareInputText{194}{\^A}
\DeclareInputText{195}{\~A}
\DeclareInputText{196}{\"A}
\DeclareInputText{197}{\r A}
\DeclareInputText{198}{\AE}
\DeclareInputText{199}{\c C}
\DeclareInputText{200}{\@tabacckludge`E}
\DeclareInputText{201}{\@tabacckludge'E}
\DeclareInputText{202}{\^E}
\DeclareInputText{203}{\"E}
\DeclareInputText{204}{\@tabacckludge`I}
\DeclareInputText{205}{\@tabacckludge'I}
\DeclareInputText{206}{\^I}
\DeclareInputText{207}{\"I}
\DeclareInputText{208}{\DH}
\DeclareInputText{209}{\~N}
\DeclareInputText{210}{\@tabacckludge`O}
\DeclareInputText{211}{\@tabacckludge'O}
\DeclareInputText{212}{\^O}
\DeclareInputText{213}{\~O}
\DeclareInputText{214}{\"O}
\DeclareInputText{215}{\texttimes}
\DeclareInputText{216}{\O}
\DeclareInputText{217}{\@tabacckludge`U}
\DeclareInputText{218}{\@tabacckludge'U}
\DeclareInputText{219}{\^U}
\DeclareInputText{220}{\"U}
\DeclareInputText{221}{\@tabacckludge'Y}
\DeclareInputText{222}{\TH}
\DeclareInputText{223}{\ss}
\DeclareInputText{224}{\@tabacckludge`a}
\DeclareInputText{225}{\@tabacckludge'a}
\DeclareInputText{226}{\^a}
\DeclareInputText{227}{\~a}
\DeclareInputText{228}{\"a}
\DeclareInputText{229}{\r a}
\DeclareInputText{230}{\ae}
\DeclareInputText{231}{\c c}
\DeclareInputText{232}{\@tabacckludge`e}
\DeclareInputText{233}{\@tabacckludge'e}
\DeclareInputText{234}{\^e}
\DeclareInputText{235}{\"e}
\DeclareInputText{236}{\@tabacckludge`\i}
\DeclareInputText{237}{\@tabacckludge'\i}
\DeclareInputText{238}{\^\i}
\DeclareInputText{239}{\"\i}
\DeclareInputText{240}{\dh}
\DeclareInputText{241}{\~n}
\DeclareInputText{242}{\@tabacckludge`o}
```

```
\DeclareInputText{243}{\@tabacckludge'o}
\DeclareInputText{244}{\^o}
\DeclareInputText{245}{\~o}
\DeclareInputText{246}{\"o}
\DeclareInputText{247}{\textdiv}
\DeclareInputText{248}{\o}
\DeclareInputText{249}{\@tabacckludge`u}
\DeclareInputText{250}{\@tabacckludge'u}
\DeclareInputText{251}{\^u}
\DeclareInputText{252}{\"u}
\DeclareInputText{253}{\@tabacckludge'y}
\DeclareInputText{254}{\th}
\DeclareInputText{255}{\"y}
\RestoreAtCatcode
⟨/iso-8859-1⟩
```

2.5.5 Encoding iso-8859-2

```
⟨*iso-8859-2⟩
\ProvidesFile{x-iso-8859-2.def}%
  [2016/05/16 v1.11 Input encoding iso-8859-2 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textacutedbl}{%
  \H{}%
}
\ProvideTextCommandDefault{\textasciiacute}{%
  \@tabacckludge'{}%
}
\ProvideTextCommandDefault{\textasciibreve}{%
  \u{}%
}
\ProvideTextCommandDefault{\textasciicaron}{%
  \v{}%
}
\ProvideTextCommandDefault{\textasciidieresis}{%
  \"{}%
}
\ProvideTextCommandDefault{\textcurrency}{%
  \TextSymbolUnavailable\textcurrency
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textdiv}{%
  \TextSymbolUnavailable\textdiv
}
\ProvideTextCommandDefault{\texttimes}{%
  \ensuremath\times
}
\DeclareInputText{160}{\nobreakspace}
\DeclareInputText{161}{\k A}
\DeclareInputText{162}{\textasciibreve}
\DeclareInputText{163}{\L}
\DeclareInputText{164}{\textcurrency}
\DeclareInputText{165}{\v L}
\DeclareInputText{166}{\@tabacckludge'S}
\DeclareInputText{167}{\textsection}
\DeclareInputText{168}{\textasciidieresis}
\DeclareInputText{169}{\v S}
\DeclareInputText{170}{\c S}
\DeclareInputText{171}{\v T}
\DeclareInputText{172}{\@tabacckludge'Z}
\DeclareInputText{173}{\-}
```

```
\DeclareInputText{174}{\v Z}
\DeclareInputText{175}{\.Z}
\DeclareInputText{176}{\textdegree}
\DeclareInputText{177}{\k a}
\DeclareInputText{178}{\k{}}
\DeclareInputText{179}{\l}
\DeclareInputText{180}{\textasciiacute}
\DeclareInputText{181}{\v l}
\DeclareInputText{182}{\@tabacckludge's}
\DeclareInputText{183}{\textasciicaron}
\DeclareInputText{184}{\c\ }
\DeclareInputText{185}{\v s}
\DeclareInputText{186}{\c s}
\DeclareInputText{187}{\v t}
\DeclareInputText{188}{\@tabacckludge'z}
\DeclareInputText{189}{\textacutedbl}
\DeclareInputText{190}{\v z}
\DeclareInputText{191}{\.z}
\DeclareInputText{192}{\@tabacckludge'R}
\DeclareInputText{193}{\@tabacckludge'A}
\DeclareInputText{194}{\^A}
\DeclareInputText{195}{\u A}
\DeclareInputText{196}{\"A}
\DeclareInputText{197}{\@tabacckludge'L}
\DeclareInputText{198}{\@tabacckludge'C}
\DeclareInputText{199}{\c C}
\DeclareInputText{200}{\v C}
\DeclareInputText{201}{\@tabacckludge'E}
\DeclareInputText{202}{\k E}
\DeclareInputText{203}{\"E}
\DeclareInputText{204}{\v E}
\DeclareInputText{205}{\@tabacckludge'I}
\DeclareInputText{206}{\^I}
\DeclareInputText{207}{\v D}
\DeclareInputText{208}{\DJ}
\DeclareInputText{209}{\@tabacckludge'N}
\DeclareInputText{210}{\v N}
\DeclareInputText{211}{\@tabacckludge'O}
\DeclareInputText{212}{\^O}
\DeclareInputText{213}{\H O}
\DeclareInputText{214}{\"O}
\DeclareInputText{215}{\texttimes}
\DeclareInputText{216}{\v R}
\DeclareInputText{217}{\r U}
\DeclareInputText{218}{\@tabacckludge'U}
\DeclareInputText{219}{\H U}
\DeclareInputText{220}{\"U}
\DeclareInputText{221}{\@tabacckludge'Y}
\DeclareInputText{222}{\c T}
\DeclareInputText{223}{\ss}
\DeclareInputText{224}{\@tabacckludge'r}
\DeclareInputText{225}{\@tabacckludge'a}
\DeclareInputText{226}{\^a}
\DeclareInputText{227}{\u a}
\DeclareInputText{228}{\"a}
\DeclareInputText{229}{\@tabacckludge'l}
\DeclareInputText{230}{\@tabacckludge'c}
\DeclareInputText{231}{\c c}
\DeclareInputText{232}{\v c}
\DeclareInputText{233}{\@tabacckludge'e}
\DeclareInputText{234}{\k e}
\DeclareInputText{235}{\"e}
```

```
\DeclareInputText{236}{\v e}
\DeclareInputText{237}{\@tabacckludge'\i}
\DeclareInputText{238}{\^\i}
\DeclareInputText{239}{\v d}
\DeclareInputText{240}{\dj}
\DeclareInputText{241}{\@tabacckludge'n}
\DeclareInputText{242}{\v n}
\DeclareInputText{243}{\@tabacckludge'o}
\DeclareInputText{244}{\^o}
\DeclareInputText{245}{\H o}
\DeclareInputText{246}{\"o}
\DeclareInputText{247}{\textdiv}
\DeclareInputText{248}{\v r}
\DeclareInputText{249}{\r u}
\DeclareInputText{250}{\@tabacckludge'u}
\DeclareInputText{251}{\H u}
\DeclareInputText{252}{\"u}
\DeclareInputText{253}{\@tabacckludge'y}
\DeclareInputText{254}{\c t}
\DeclareInputText{255}{\.{}}
\RestoreAtCatcode
⟨/iso-8859-2⟩
```

2.5.6 Encoding iso-8859-3

```
⟨*iso-8859-3⟩
\ProvidesFile{x-iso-8859-3.def}%
  [2016/05/16 v1.11 Input encoding iso-8859-3 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textasciiacute}{%
  \@tabacckludge'{}%
}
\ProvideTextCommandDefault{\textasciibreve}{%
  \u{}%
}
\ProvideTextCommandDefault{\textasciidieresis}{%
  \"{}%
}
\ProvideTextCommandDefault{\textcurrency}{%
  \TextSymbolUnavailable\textcurrency
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textdiv}{%
  \TextSymbolUnavailable\textdiv
}
\ProvideTextCommandDefault{\textmalteseH}{%
  \TextSymbolUnavailable\textmalteseH
}
\ProvideTextCommandDefault{\textmalteseh}{%
  \TextSymbolUnavailable\textmalteseh
}
\ProvideTextCommandDefault{\textmu}{%
  \ensuremath\mu
}
\ProvideTextCommandDefault{\textonehalf}{%
  \ensuremath{\frac12}%
}
\ProvideTextCommandDefault{\textthreesuperior}{%
  \ensuremath{{^3}}%
}
\ProvideTextCommandDefault{\texttimes}{%
```

```
  \ensuremath\times
}
\ProvideTextCommandDefault{\texttwosuperior}{%
  \ensuremath{{^2}}%
}
\DeclareInputText{160}{\nobreakspace}
\DeclareInputText{161}{\textmalteseH}
\DeclareInputText{162}{\textasciibreve}
\DeclareInputText{163}{\textsterling}
\DeclareInputText{164}{\textcurrency}
\DeclareInputText{166}{\^H}
\DeclareInputText{167}{\textsection}
\DeclareInputText{168}{\textasciidieresis}
\DeclareInputText{169}{\.I}
\DeclareInputText{170}{\c S}
\DeclareInputText{171}{\u G}
\DeclareInputText{172}{\^J}
\DeclareInputText{173}{\-}
\DeclareInputText{175}{\.Z}
\DeclareInputText{176}{\textdegree}
\DeclareInputText{177}{\textmalteseh}
\DeclareInputText{178}{\texttwosuperior}
\DeclareInputText{179}{\textthreesuperior}
\DeclareInputText{180}{\textasciiacute}
\DeclareInputText{181}{\textmu}
\DeclareInputText{182}{\^h}
\DeclareInputText{183}{\textperiodcentered}
\DeclareInputText{184}{\c\ }
\DeclareInputText{185}{\i}
\DeclareInputText{186}{\c s}
\DeclareInputText{187}{\u g}
\DeclareInputText{188}{\^\j}
\DeclareInputText{189}{\textonehalf}
\DeclareInputText{191}{\.z}
\DeclareInputText{192}{\@tabacckludge`A}
\DeclareInputText{193}{\@tabacckludge'A}
\DeclareInputText{194}{\^A}
\DeclareInputText{196}{\"A}
\DeclareInputText{197}{\.C}
\DeclareInputText{198}{\^C}
\DeclareInputText{199}{\c C}
\DeclareInputText{200}{\@tabacckludge`E}
\DeclareInputText{201}{\@tabacckludge'E}
\DeclareInputText{202}{\^E}
\DeclareInputText{203}{\"E}
\DeclareInputText{204}{\@tabacckludge`I}
\DeclareInputText{205}{\@tabacckludge'I}
\DeclareInputText{206}{\^I}
\DeclareInputText{207}{\"I}
\DeclareInputText{209}{\~N}
\DeclareInputText{210}{\@tabacckludge`O}
\DeclareInputText{211}{\@tabacckludge'O}
\DeclareInputText{212}{\^O}
\DeclareInputText{213}{\.G}
\DeclareInputText{214}{\"O}
\DeclareInputText{215}{\texttimes}
\DeclareInputText{216}{\^G}
\DeclareInputText{217}{\@tabacckludge`U}
\DeclareInputText{218}{\@tabacckludge'U}
\DeclareInputText{219}{\^U}
\DeclareInputText{220}{\"U}
\DeclareInputText{221}{\u U}
```

```
\DeclareInputText{222}{\^S}
\DeclareInputText{223}{\ss}
\DeclareInputText{224}{\@tabacckludge`a}
\DeclareInputText{225}{\@tabacckludge'a}
\DeclareInputText{226}{\^a}
\DeclareInputText{228}{\"a}
\DeclareInputText{229}{\.c}
\DeclareInputText{230}{\^c}
\DeclareInputText{231}{\c c}
\DeclareInputText{232}{\@tabacckludge`e}
\DeclareInputText{233}{\@tabacckludge'e}
\DeclareInputText{234}{\^e}
\DeclareInputText{235}{\"e}
\DeclareInputText{236}{\@tabacckludge`\i}
\DeclareInputText{237}{\@tabacckludge'\i}
\DeclareInputText{238}{\^\i}
\DeclareInputText{239}{\"\i}
\DeclareInputText{241}{\~n}
\DeclareInputText{242}{\@tabacckludge`o}
\DeclareInputText{243}{\@tabacckludge'o}
\DeclareInputText{244}{\^o}
\DeclareInputText{245}{\.g}
\DeclareInputText{246}{\"o}
\DeclareInputText{247}{\textdiv}
\DeclareInputText{248}{\^g}
\DeclareInputText{249}{\@tabacckludge`u}
\DeclareInputText{250}{\@tabacckludge'u}
\DeclareInputText{251}{\^u}
\DeclareInputText{252}{\"u}
\DeclareInputText{253}{\u u}
\DeclareInputText{254}{\^s}
\DeclareInputText{255}{\.{}}
\RestoreAtCatcode
⟨/iso-8859-3⟩
```

2.5.7 Encoding iso-8859-4

```
⟨*iso-8859-4⟩
\ProvidesFile{x-iso-8859-4.def}%
  [2016/05/16 v1.11 Input encoding iso-8859-4 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textTstroke}{%
  \TextSymbolUnavailable\textTstroke
}
\ProvideTextCommandDefault{\textasciiacute}{%
  \@tabacckludge'{}%
}
\ProvideTextCommandDefault{\textasciicaron}{%
  \v{}%
}
\ProvideTextCommandDefault{\textasciidieresis}{%
  \"{}%
}
\ProvideTextCommandDefault{\textasciimacron}{%
  \@tabacckludge={}%
}
\ProvideTextCommandDefault{\textcurrency}{%
  \TextSymbolUnavailable\textcurrency
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textdiv}{%
```

```
  \TextSymbolUnavailable\textdiv
}
\ProvideTextCommandDefault{\textkra}{%
  \TextSymbolUnavailable\textkra
}
\ProvideTextCommandDefault{\texttimes}{%
  \ensuremath\times
}
\ProvideTextCommandDefault{\texttstroke}{%
  \TextSymbolUnavailable\texttstroke
}
\DeclareInputText{160}{\nobreakspace}
\DeclareInputText{161}{\k A}
\DeclareInputText{162}{\textkra}
\DeclareInputText{163}{\c R}
\DeclareInputText{164}{\textcurrency}
\DeclareInputText{165}{\~I}
\DeclareInputText{166}{\c L}
\DeclareInputText{167}{\textsection}
\DeclareInputText{168}{\textasciidieresis}
\DeclareInputText{169}{\v S}
\DeclareInputText{170}{\@tabacckludge=E}
\DeclareInputText{171}{\c G}
\DeclareInputText{172}{\textTstroke}
\DeclareInputText{173}{\-}
\DeclareInputText{174}{\v Z}
\DeclareInputText{175}{\textasciimacron}
\DeclareInputText{176}{\textdegree}
\DeclareInputText{177}{\k a}
\DeclareInputText{178}{\k{}}
\DeclareInputText{179}{\c r}
\DeclareInputText{180}{\textasciiacute}
\DeclareInputText{181}{\~\i}
\DeclareInputText{182}{\c l}
\DeclareInputText{183}{\textasciicaron}
\DeclareInputText{184}{\c\ }
\DeclareInputText{185}{\v s}
\DeclareInputText{186}{\@tabacckludge=e}
\DeclareInputText{187}{\c g}
\DeclareInputText{188}{\texttstroke}
\DeclareInputText{189}{\NG}
\DeclareInputText{190}{\v z}
\DeclareInputText{191}{\ng}
\DeclareInputText{192}{\@tabacckludge=A}
\DeclareInputText{193}{\@tabacckludge'A}
\DeclareInputText{194}{\^A}
\DeclareInputText{195}{\~A}
\DeclareInputText{196}{\"A}
\DeclareInputText{197}{\r A}
\DeclareInputText{198}{\AE}
\DeclareInputText{199}{\k I}
\DeclareInputText{200}{\v C}
\DeclareInputText{201}{\@tabacckludge'E}
\DeclareInputText{202}{\k E}
\DeclareInputText{203}{\"E}
\DeclareInputText{204}{\.E}
\DeclareInputText{205}{\@tabacckludge'I}
\DeclareInputText{206}{\^I}
\DeclareInputText{207}{\@tabacckludge=I}
\DeclareInputText{208}{\DJ}
\DeclareInputText{209}{\c N}
\DeclareInputText{210}{\@tabacckludge=O}
```

```
\DeclareInputText{211}{\c K}
\DeclareInputText{212}{\^O}
\DeclareInputText{213}{\~O}
\DeclareInputText{214}{\"O}
\DeclareInputText{215}{\texttimes}
\DeclareInputText{216}{\O}
\DeclareInputText{217}{\k U}
\DeclareInputText{218}{\@tabacckludge'U}
\DeclareInputText{219}{\^U}
\DeclareInputText{220}{\"U}
\DeclareInputText{221}{\~U}
\DeclareInputText{222}{\@tabacckludge=U}
\DeclareInputText{223}{\ss}
\DeclareInputText{224}{\@tabacckludge=a}
\DeclareInputText{225}{\@tabacckludge'a}
\DeclareInputText{226}{\^a}
\DeclareInputText{227}{\~a}
\DeclareInputText{228}{\"a}
\DeclareInputText{229}{\r a}
\DeclareInputText{230}{\ae}
\DeclareInputText{231}{\k i}
\DeclareInputText{232}{\v c}
\DeclareInputText{233}{\@tabacckludge'e}
\DeclareInputText{234}{\k e}
\DeclareInputText{235}{\"e}
\DeclareInputText{236}{\.e}
\DeclareInputText{237}{\@tabacckludge'\i}
\DeclareInputText{238}{\^\i}
\DeclareInputText{239}{\@tabacckludge=\i}
\DeclareInputText{240}{\dj}
\DeclareInputText{241}{\c n}
\DeclareInputText{242}{\@tabacckludge=o}
\DeclareInputText{243}{\c k}
\DeclareInputText{244}{\^o}
\DeclareInputText{245}{\~o}
\DeclareInputText{246}{\"o}
\DeclareInputText{247}{\textdiv}
\DeclareInputText{248}{\o}
\DeclareInputText{249}{\k u}
\DeclareInputText{250}{\@tabacckludge'u}
\DeclareInputText{251}{\^u}
\DeclareInputText{252}{\"u}
\DeclareInputText{253}{\~u}
\DeclareInputText{254}{\@tabacckludge=u}
\DeclareInputText{255}{\.{}}
\RestoreAtCatcode
⟨/iso-8859-4⟩
```

2.5.8 Encoding iso-8859-5

```
⟨*iso-8859-5⟩
\ProvidesFile{x-iso-8859-5.def}%
  [2016/05/16 v1.11 Input encoding iso-8859-5 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textnumero}{%
  N%
  \bgroup
    \check@mathfonts
    \fontsize\sf@size\z@
    \math@fontsfalse
    \selectfont
    \ooalign{%
      \raise0.5ex\hbox{o}%
```

```
      \crcr
      \hline
    }%
  \egroup
}
\DeclareInputText{160}{\nobreakspace}
\DeclareInputText{161}{\CYRYO}
\DeclareInputText{162}{\CYRDJE}
\DeclareInputText{163}{\@tabacckludge'\CYRG}
\DeclareInputText{164}{\CYRIE}
\DeclareInputText{165}{\CYRDZE}
\DeclareInputText{166}{\CYRII}
\DeclareInputText{167}{\CYRYI}
\DeclareInputText{168}{\CYRJE}
\DeclareInputText{169}{\CYRLJE}
\DeclareInputText{170}{\CYRNJE}
\DeclareInputText{171}{\CYRTSHE}
\DeclareInputText{172}{\@tabacckludge'\CYRK}
\DeclareInputText{173}{\-}
\DeclareInputText{174}{\CYRUSHRT}
\DeclareInputText{175}{\CYRDZHE}
\DeclareInputText{176}{\CYRA}
\DeclareInputText{177}{\CYRB}
\DeclareInputText{178}{\CYRV}
\DeclareInputText{179}{\CYRG}
\DeclareInputText{180}{\CYRD}
\DeclareInputText{181}{\CYRE}
\DeclareInputText{182}{\CYRZH}
\DeclareInputText{183}{\CYRZ}
\DeclareInputText{184}{\CYRI}
\DeclareInputText{185}{\CYRISHRT}
\DeclareInputText{186}{\CYRK}
\DeclareInputText{187}{\CYRL}
\DeclareInputText{188}{\CYRM}
\DeclareInputText{189}{\CYRN}
\DeclareInputText{190}{\CYRO}
\DeclareInputText{191}{\CYRP}
\DeclareInputText{192}{\CYRR}
\DeclareInputText{193}{\CYRS}
\DeclareInputText{194}{\CYRT}
\DeclareInputText{195}{\CYRU}
\DeclareInputText{196}{\CYRF}
\DeclareInputText{197}{\CYRH}
\DeclareInputText{198}{\CYRC}
\DeclareInputText{199}{\CYRCH}
\DeclareInputText{200}{\CYRSH}
\DeclareInputText{201}{\CYRSHCH}
\DeclareInputText{202}{\CYRHRDSN}
\DeclareInputText{203}{\CYRERY}
\DeclareInputText{204}{\CYRSFTSN}
\DeclareInputText{205}{\CYREREV}
\DeclareInputText{206}{\CYRYU}
\DeclareInputText{207}{\CYRYA}
\DeclareInputText{208}{\cyra}
\DeclareInputText{209}{\cyrb}
\DeclareInputText{210}{\cyrv}
\DeclareInputText{211}{\cyrg}
\DeclareInputText{212}{\cyrd}
\DeclareInputText{213}{\cyre}
\DeclareInputText{214}{\cyrzh}
\DeclareInputText{215}{\cyrz}
\DeclareInputText{216}{\cyri}
```

```
\DeclareInputText{217}{\cyrishrt}
\DeclareInputText{218}{\cyrk}
\DeclareInputText{219}{\cyrl}
\DeclareInputText{220}{\cyrm}
\DeclareInputText{221}{\cyrn}
\DeclareInputText{222}{\cyro}
\DeclareInputText{223}{\cyrp}
\DeclareInputText{224}{\cyrr}
\DeclareInputText{225}{\cyrs}
\DeclareInputText{226}{\cyrt}
\DeclareInputText{227}{\cyru}
\DeclareInputText{228}{\cyrf}
\DeclareInputText{229}{\cyrh}
\DeclareInputText{230}{\cyrc}
\DeclareInputText{231}{\cyrch}
\DeclareInputText{232}{\cyrsh}
\DeclareInputText{233}{\cyrshch}
\DeclareInputText{234}{\cyrhrdsn}
\DeclareInputText{235}{\cyrery}
\DeclareInputText{236}{\cyrsftsn}
\DeclareInputText{237}{\cyrerev}
\DeclareInputText{238}{\cyryu}
\DeclareInputText{239}{\cyrya}
\DeclareInputText{240}{\textnumero}
\DeclareInputText{241}{\cyryo}
\DeclareInputText{242}{\cyrdje}
\DeclareInputText{243}{\@tabacckludge'\cyrg}
\DeclareInputText{244}{\cyrie}
\DeclareInputText{245}{\cyrdze}
\DeclareInputText{246}{\cyrii}
\DeclareInputText{247}{\cyryi}
\DeclareInputText{248}{\cyrje}
\DeclareInputText{249}{\cyrlje}
\DeclareInputText{250}{\cyrnje}
\DeclareInputText{251}{\cyrtshe}
\DeclareInputText{252}{\@tabacckludge'\cyrk}
\DeclareInputText{253}{\textsection}
\DeclareInputText{254}{\cyrushrt}
\DeclareInputText{255}{\cyrdzhe}
\RestoreAtCatcode
⟨/iso-8859-5⟩
```

2.5.9 Encoding iso-8859-8

```
⟨*iso-8859-8⟩
\ProvidesFile{x-iso-8859-8.def}%
  [2016/05/16 v1.11 Input encoding iso-8859-8 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textasciiacute}{%
  \@tabacckludge'{}%
}
\ProvideTextCommandDefault{\textasciidieresis}{%
  \"{}%
}
\ProvideTextCommandDefault{\textasciimacron}{%
  \@tabacckludge={}%
}
\ProvideTextCommandDefault{\textbrokenbar}{%
  \TextSymbolUnavailable\textbrokenbar
}
\ProvideTextCommandDefault{\textcent}{%
  \TextSymbolUnavailable\textcent
}
```

```
\ProvideTextCommandDefault{\textcurrency}{%
  \TextSymbolUnavailable\textcurrency
}
\ProvideTextCommandDefault{\textdbllowline}{%
  \begingroup
    \sbox0{\textunderscore}%
    \leavevmode
    \ifdim\dp0<.2ex\relax
      \rlap{\raisebox{-.2ex}[0pt]{\textunderscore}}%
    \else
      \rlap{\raisebox{.2ex}[0pt]{\textunderscore}}%
    \fi
    \textunderscore
  \endgroup
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textdiv}{%
  \TextSymbolUnavailable\textdiv
}
\ProvideTextCommandDefault{\textlnot}{%
  \ensuremath\lnot
}
\ProvideTextCommandDefault{\textmu}{%
  \ensuremath\mu
}
\ProvideTextCommandDefault{\textonehalf}{%
  \ensuremath{\frac12}%
}
\ProvideTextCommandDefault{\textonequarter}{%
  \ensuremath{\frac14}%
}
\ProvideTextCommandDefault{\textonesuperior}{%
  \ensuremath{{^1}}%
}
\ProvideTextCommandDefault{\textpm}{%
  \ensuremath\pm
}
\ProvideTextCommandDefault{\textthreequarters}{%
  \ensuremath{\frac34}%
}
\ProvideTextCommandDefault{\textthreesuperior}{%
  \ensuremath{{^3}}%
}
\ProvideTextCommandDefault{\texttimes}{%
  \ensuremath\times
}
\ProvideTextCommandDefault{\texttwosuperior}{%
  \ensuremath{{^2}}%
}
\ProvideTextCommandDefault{\textyen}{%
  \TextSymbolUnavailable\textyen
}
\DeclareInputText{160}{\nobreakspace}
\DeclareInputText{162}{\textcent}
\DeclareInputText{163}{\textsterling}
\DeclareInputText{164}{\textcurrency}
\DeclareInputText{165}{\textyen}
\DeclareInputText{166}{\textbrokenbar}
\DeclareInputText{167}{\textsection}
\DeclareInputText{168}{\textasciidieresis}
```

```
\DeclareInputText{169}{\textcopyright}
\DeclareInputText{170}{\texttimes}
\DeclareInputText{171}{\guillemotleft}
\DeclareInputText{172}{\textlnot}
\DeclareInputText{173}{\-}
\DeclareInputText{174}{\textregistered}
\DeclareInputText{175}{\textasciimacron}
\DeclareInputText{176}{\textdegree}
\DeclareInputText{177}{\textpm}
\DeclareInputText{178}{\texttwosuperior}
\DeclareInputText{179}{\textthreesuperior}
\DeclareInputText{180}{\textasciiacute}
\DeclareInputText{181}{\textmu}
\DeclareInputText{182}{\textparagraph}
\DeclareInputText{183}{\textperiodcentered}
\DeclareInputText{184}{\c\ }
\DeclareInputText{185}{\textonesuperior}
\DeclareInputText{186}{\textdiv}
\DeclareInputText{187}{\guillemotright}
\DeclareInputText{188}{\textonequarter}
\DeclareInputText{189}{\textonehalf}
\DeclareInputText{190}{\textthreequarters}
\DeclareInputText{223}{\textdbllowline}
\DeclareInputText{224}{\hebalef}
\DeclareInputText{225}{\hebbet}
\DeclareInputText{226}{\hebgimel}
\DeclareInputText{227}{\hebdalet}
\DeclareInputText{228}{\hebhe}
\DeclareInputText{229}{\hebvav}
\DeclareInputText{230}{\hebzayin}
\DeclareInputText{231}{\hebhet}
\DeclareInputText{232}{\hebtet}
\DeclareInputText{233}{\hebyod}
\DeclareInputText{234}{\hebfinalkaf}
\DeclareInputText{235}{\hebkaf}
\DeclareInputText{236}{\heblamed}
\DeclareInputText{237}{\hebfinalmem}
\DeclareInputText{238}{\hebmem}
\DeclareInputText{239}{\hebfinalnun}
\DeclareInputText{240}{\hebnun}
\DeclareInputText{241}{\hebsamekh}
\DeclareInputText{242}{\hebayin}
\DeclareInputText{243}{\hebfinalpe}
\DeclareInputText{244}{\hebpe}
\DeclareInputText{245}{\hebfinaltsadi}
\DeclareInputText{246}{\hebtsadi}
\DeclareInputText{247}{\hebqof}
\DeclareInputText{248}{\hebresh}
\DeclareInputText{249}{\hebshin}
\DeclareInputText{250}{\hebtav}
\RestoreAtCatcode
⟨/iso-8859-8⟩
```

2.5.10 Encoding iso-8859-9

```
⟨*iso-8859-9⟩
\ProvidesFile{x-iso-8859-9.def}%
  [2016/05/16 v1.11 Input encoding iso-8859-9 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textasciiacute}{%
  \@tabaccludge'{}%
}
\ProvideTextCommandDefault{\textasciidieresis}{%
```

```
  \"{}%
}
\ProvideTextCommandDefault{\textasciimacron}{%
  \@tabacckludge={}%
}
\ProvideTextCommandDefault{\textbrokenbar}{%
  \TextSymbolUnavailable\textbrokenbar
}
\ProvideTextCommandDefault{\textcent}{%
  \TextSymbolUnavailable\textcent
}
\ProvideTextCommandDefault{\textcurrency}{%
  \TextSymbolUnavailable\textcurrency
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textdiv}{%
  \TextSymbolUnavailable\textdiv
}
\ProvideTextCommandDefault{\textlnot}{%
  \ensuremath\lnot
}
\ProvideTextCommandDefault{\textmu}{%
  \ensuremath\mu
}
\ProvideTextCommandDefault{\textonehalf}{%
  \ensuremath{\frac12}%
}
\ProvideTextCommandDefault{\textonequarter}{%
  \ensuremath{\frac14}%
}
\ProvideTextCommandDefault{\textonesuperior}{%
  \ensuremath{{^1}}%
}
\ProvideTextCommandDefault{\textpm}{%
  \ensuremath\pm
}
\ProvideTextCommandDefault{\textthreequarters}{%
  \ensuremath{\frac34}%
}
\ProvideTextCommandDefault{\textthreesuperior}{%
  \ensuremath{{^3}}%
}
\ProvideTextCommandDefault{\texttimes}{%
  \ensuremath\times
}
\ProvideTextCommandDefault{\texttwosuperior}{%
  \ensuremath{{^2}}%
}
\ProvideTextCommandDefault{\textyen}{%
  \TextSymbolUnavailable\textyen
}
\DeclareInputText{160}{\nobreakspace}
\DeclareInputText{161}{\textexclamdown}
\DeclareInputText{162}{\textcent}
\DeclareInputText{163}{\textsterling}
\DeclareInputText{164}{\textcurrency}
\DeclareInputText{165}{\textyen}
\DeclareInputText{166}{\textbrokenbar}
\DeclareInputText{167}{\textsection}
\DeclareInputText{168}{\textasciidieresis}
```

```
\DeclareInputText{169}{\textcopyright}
\DeclareInputText{170}{\textordfeminine}
\DeclareInputText{171}{\guillemotleft}
\DeclareInputText{172}{\textlnot}
\DeclareInputText{173}{\-}
\DeclareInputText{174}{\textregistered}
\DeclareInputText{175}{\textasciimacron}
\DeclareInputText{176}{\textdegree}
\DeclareInputText{177}{\textpm}
\DeclareInputText{178}{\texttwosuperior}
\DeclareInputText{179}{\textthreesuperior}
\DeclareInputText{180}{\textasciiacute}
\DeclareInputText{181}{\textmu}
\DeclareInputText{182}{\textparagraph}
\DeclareInputText{183}{\textperiodcentered}
\DeclareInputText{184}{\c\ }
\DeclareInputText{185}{\textonesuperior}
\DeclareInputText{186}{\textordmasculine}
\DeclareInputText{187}{\guillemotright}
\DeclareInputText{188}{\textonequarter}
\DeclareInputText{189}{\textonehalf}
\DeclareInputText{190}{\textthreequarters}
\DeclareInputText{191}{\textquestiondown}
\DeclareInputText{192}{\@tabacckludge`A}
\DeclareInputText{193}{\@tabacckludge'A}
\DeclareInputText{194}{\^A}
\DeclareInputText{195}{\~A}
\DeclareInputText{196}{\"A}
\DeclareInputText{197}{\r A}
\DeclareInputText{198}{\AE}
\DeclareInputText{199}{\c C}
\DeclareInputText{200}{\@tabacckludge`E}
\DeclareInputText{201}{\@tabacckludge'E}
\DeclareInputText{202}{\^E}
\DeclareInputText{203}{\"E}
\DeclareInputText{204}{\@tabacckludge`I}
\DeclareInputText{205}{\@tabacckludge'I}
\DeclareInputText{206}{\^I}
\DeclareInputText{207}{\"I}
\DeclareInputText{208}{\u G}
\DeclareInputText{209}{\~N}
\DeclareInputText{210}{\@tabacckludge`O}
\DeclareInputText{211}{\@tabacckludge'O}
\DeclareInputText{212}{\^O}
\DeclareInputText{213}{\~O}
\DeclareInputText{214}{\"O}
\DeclareInputText{215}{\texttimes}
\DeclareInputText{216}{\O}
\DeclareInputText{217}{\@tabacckludge`U}
\DeclareInputText{218}{\@tabacckludge'U}
\DeclareInputText{219}{\^U}
\DeclareInputText{220}{\"U}
\DeclareInputText{221}{\.I}
\DeclareInputText{222}{\c S}
\DeclareInputText{223}{\ss}
\DeclareInputText{224}{\@tabacckludge`a}
\DeclareInputText{225}{\@tabacckludge'a}
\DeclareInputText{226}{\^a}
\DeclareInputText{227}{\~a}
\DeclareInputText{228}{\"a}
\DeclareInputText{229}{\r a}
\DeclareInputText{230}{\ae}
```

```
\DeclareInputText{231}{\c c}
\DeclareInputText{232}{\@tabaccludge`e}
\DeclareInputText{233}{\@tabaccludge'e}
\DeclareInputText{234}{\^e}
\DeclareInputText{235}{\"e}
\DeclareInputText{236}{\@tabaccludge`\i}
\DeclareInputText{237}{\@tabaccludge'\i}
\DeclareInputText{238}{\^\i}
\DeclareInputText{239}{\"\i}
\DeclareInputText{240}{\u g}
\DeclareInputText{241}{\~n}
\DeclareInputText{242}{\@tabaccludge`o}
\DeclareInputText{243}{\@tabaccludge'o}
\DeclareInputText{244}{\^o}
\DeclareInputText{245}{\~o}
\DeclareInputText{246}{\"o}
\DeclareInputText{247}{\textdiv}
\DeclareInputText{248}{\o}
\DeclareInputText{249}{\@tabaccludge`u}
\DeclareInputText{250}{\@tabaccludge'u}
\DeclareInputText{251}{\^u}
\DeclareInputText{252}{\"u}
\DeclareInputText{253}{\i}
\DeclareInputText{254}{\c s}
\DeclareInputText{255}{\"y}
\RestoreAtCatcode
⟨/iso-8859-9⟩
```

2.5.11 Encoding iso-8859-10

```
⟨*iso-8859-10⟩
\ProvidesFile{x-iso-8859-10.def}%
  [2016/05/16 v1.11 Input encoding iso-8859-10 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textTstroke}{%
  \TextSymbolUnavailable\textTstroke
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\texthorizontalbar}{%
  \mbox{---}\kern-.5em---%
}
\ProvideTextCommandDefault{\textkra}{%
  \TextSymbolUnavailable\textkra
}
\ProvideTextCommandDefault{\texttstroke}{%
  \TextSymbolUnavailable\texttstroke
}
\DeclareInputText{160}{\nobreakspace}
\DeclareInputText{161}{\k A}
\DeclareInputText{162}{\@tabaccludge=E}
\DeclareInputText{163}{\c G}
\DeclareInputText{164}{\@tabaccludge=I}
\DeclareInputText{165}{\~I}
\DeclareInputText{166}{\c K}
\DeclareInputText{167}{\textsection}
\DeclareInputText{168}{\c L}
\DeclareInputText{169}{\DJ}
\DeclareInputText{170}{\v S}
\DeclareInputText{171}{\textTstroke}
\DeclareInputText{172}{\v Z}
\DeclareInputText{173}{\-}
```

```
\DeclareInputText{174}{\@tabacckludge=U}
\DeclareInputText{175}{\NG}
\DeclareInputText{176}{\textdegree}
\DeclareInputText{177}{\k a}
\DeclareInputText{178}{\@tabacckludge=e}
\DeclareInputText{179}{\c g}
\DeclareInputText{180}{\@tabacckludge=\i}
\DeclareInputText{181}{\~\i}
\DeclareInputText{182}{\c k}
\DeclareInputText{183}{\textperiodcentered}
\DeclareInputText{184}{\c l}
\DeclareInputText{185}{\dj}
\DeclareInputText{186}{\v s}
\DeclareInputText{187}{\texttstroke}
\DeclareInputText{188}{\v z}
\DeclareInputText{189}{\texthorizontalbar}
\DeclareInputText{190}{\@tabacckludge=u}
\DeclareInputText{191}{\ng}
\DeclareInputText{192}{\@tabacckludge=A}
\DeclareInputText{193}{\@tabacckludge'A}
\DeclareInputText{194}{\^A}
\DeclareInputText{195}{\~A}
\DeclareInputText{196}{\"A}
\DeclareInputText{197}{\r A}
\DeclareInputText{198}{\AE}
\DeclareInputText{199}{\k I}
\DeclareInputText{200}{\v C}
\DeclareInputText{201}{\@tabacckludge'E}
\DeclareInputText{202}{\k E}
\DeclareInputText{203}{\"E}
\DeclareInputText{204}{\.E}
\DeclareInputText{205}{\@tabacckludge'I}
\DeclareInputText{206}{\^I}
\DeclareInputText{207}{\"I}
\DeclareInputText{208}{\DH}
\DeclareInputText{209}{\c N}
\DeclareInputText{210}{\@tabacckludge=O}
\DeclareInputText{211}{\@tabacckludge'O}
\DeclareInputText{212}{\^O}
\DeclareInputText{213}{\~O}
\DeclareInputText{214}{\"O}
\DeclareInputText{215}{\~U}
\DeclareInputText{216}{\O}
\DeclareInputText{217}{\k U}
\DeclareInputText{218}{\@tabacckludge'U}
\DeclareInputText{219}{\^U}
\DeclareInputText{220}{\"U}
\DeclareInputText{221}{\@tabacckludge'Y}
\DeclareInputText{222}{\TH}
\DeclareInputText{223}{\ss}
\DeclareInputText{224}{\@tabacckludge=a}
\DeclareInputText{225}{\@tabacckludge'a}
\DeclareInputText{226}{\^a}
\DeclareInputText{227}{\~a}
\DeclareInputText{228}{\"a}
\DeclareInputText{229}{\r a}
\DeclareInputText{230}{\ae}
\DeclareInputText{231}{\k i}
\DeclareInputText{232}{\v c}
\DeclareInputText{233}{\@tabacckludge'e}
\DeclareInputText{234}{\k e}
\DeclareInputText{235}{\"e}
```

```
\DeclareInputText{236}{\.e}
\DeclareInputText{237}{\@tabacckludge'\i}
\DeclareInputText{238}{\^\i}
\DeclareInputText{239}{\"\i}
\DeclareInputText{240}{\dh}
\DeclareInputText{241}{\c n}
\DeclareInputText{242}{\@tabacckludge=o}
\DeclareInputText{243}{\@tabacckludge'o}
\DeclareInputText{244}{\^o}
\DeclareInputText{245}{\~o}
\DeclareInputText{246}{\"o}
\DeclareInputText{247}{\~u}
\DeclareInputText{248}{\o}
\DeclareInputText{249}{\k u}
\DeclareInputText{250}{\@tabacckludge'u}
\DeclareInputText{251}{\^u}
\DeclareInputText{252}{\"u}
\DeclareInputText{253}{\@tabacckludge'y}
\DeclareInputText{254}{\th}
\DeclareInputText{255}{\textkra}
\RestoreAtCatcode
⟨/iso-8859-10⟩
```

2.5.12 Encoding iso-8859-13

```
⟨*iso-8859-13⟩
\ProvidesFile{x-iso-8859-13.def}%
  [2016/05/16 v1.11 Input encoding iso-8859-13 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textbrokenbar}{%
  \TextSymbolUnavailable\textbrokenbar
}
\ProvideTextCommandDefault{\textcent}{%
  \TextSymbolUnavailable\textcent
}
\ProvideTextCommandDefault{\textcurrency}{%
  \TextSymbolUnavailable\textcurrency
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textdiv}{%
  \TextSymbolUnavailable\textdiv
}
\ProvideTextCommandDefault{\textlnot}{%
  \ensuremath\lnot
}
\ProvideTextCommandDefault{\textmu}{%
  \ensuremath\mu
}
\ProvideTextCommandDefault{\textonehalf}{%
  \ensuremath{\frac12}%
}
\ProvideTextCommandDefault{\textonequarter}{%
  \ensuremath{\frac14}%
}
\ProvideTextCommandDefault{\textonesuperior}{%
  \ensuremath{{^1}}%
}
\ProvideTextCommandDefault{\textpm}{%
  \ensuremath\pm
}
\ProvideTextCommandDefault{\textthreequarters}{%
```

```
  \ensuremath{\frac34}%
}
\ProvideTextCommandDefault{\textthreesuperior}{%
  \ensuremath{{^3}}%
}
\ProvideTextCommandDefault{\texttimes}{%
  \ensuremath\times
}
\ProvideTextCommandDefault{\texttwosuperior}{%
  \ensuremath{{^2}}%
}
\DeclareInputText{160}{\nobreakspace}
\DeclareInputText{161}{\textquotedblright}
\DeclareInputText{162}{\textcent}
\DeclareInputText{163}{\textsterling}
\DeclareInputText{164}{\textcurrency}
\DeclareInputText{165}{\quotedblbase}
\DeclareInputText{166}{\textbrokenbar}
\DeclareInputText{167}{\textsection}
\DeclareInputText{168}{\O}
\DeclareInputText{169}{\textcopyright}
\DeclareInputText{170}{\c R}
\DeclareInputText{171}{\guillemotleft}
\DeclareInputText{172}{\textlnot}
\DeclareInputText{173}{\-}
\DeclareInputText{174}{\textregistered}
\DeclareInputText{175}{\AE}
\DeclareInputText{176}{\textdegree}
\DeclareInputText{177}{\textpm}
\DeclareInputText{178}{\texttwosuperior}
\DeclareInputText{179}{\textthreesuperior}
\DeclareInputText{180}{\textquotedblleft}
\DeclareInputText{181}{\textmu}
\DeclareInputText{182}{\textparagraph}
\DeclareInputText{183}{\textperiodcentered}
\DeclareInputText{184}{\o}
\DeclareInputText{185}{\textonesuperior}
\DeclareInputText{186}{\c r}
\DeclareInputText{187}{\guillemotright}
\DeclareInputText{188}{\textonequarter}
\DeclareInputText{189}{\textonehalf}
\DeclareInputText{190}{\textthreequarters}
\DeclareInputText{191}{\ae}
\DeclareInputText{192}{\k A}
\DeclareInputText{193}{\k I}
\DeclareInputText{194}{\@tabacckludge=A}
\DeclareInputText{195}{\@tabacckludge'C}
\DeclareInputText{196}{\"A}
\DeclareInputText{197}{\r A}
\DeclareInputText{198}{\k E}
\DeclareInputText{199}{\@tabacckludge=E}
\DeclareInputText{200}{\v C}
\DeclareInputText{201}{\@tabacckludge'E}
\DeclareInputText{202}{\@tabacckludge'Z}
\DeclareInputText{203}{\.E}
\DeclareInputText{204}{\c G}
\DeclareInputText{205}{\c K}
\DeclareInputText{206}{\@tabacckludge=I}
\DeclareInputText{207}{\c L}
\DeclareInputText{208}{\v S}
\DeclareInputText{209}{\@tabacckludge'N}
\DeclareInputText{210}{\c N}
```

```
\DeclareInputText{211}{\@tabacckludge'O}
\DeclareInputText{212}{\@tabacckludge=O}
\DeclareInputText{213}{\~O}
\DeclareInputText{214}{\"O}
\DeclareInputText{215}{\texttimes}
\DeclareInputText{216}{\k U}
\DeclareInputText{217}{\L}
\DeclareInputText{218}{\@tabacckludge'S}
\DeclareInputText{219}{\@tabacckludge=U}
\DeclareInputText{220}{\"U}
\DeclareInputText{221}{\.Z}
\DeclareInputText{222}{\v Z}
\DeclareInputText{223}{\ss}
\DeclareInputText{224}{\k a}
\DeclareInputText{225}{\k i}
\DeclareInputText{226}{\@tabacckludge=a}
\DeclareInputText{227}{\@tabacckludge'c}
\DeclareInputText{228}{\"a}
\DeclareInputText{229}{\r a}
\DeclareInputText{230}{\k e}
\DeclareInputText{231}{\@tabacckludge=e}
\DeclareInputText{232}{\v c}
\DeclareInputText{233}{\@tabacckludge'e}
\DeclareInputText{234}{\@tabacckludge'z}
\DeclareInputText{235}{\.e}
\DeclareInputText{236}{\c g}
\DeclareInputText{237}{\c k}
\DeclareInputText{238}{\@tabacckludge=\i}
\DeclareInputText{239}{\c l}
\DeclareInputText{240}{\v s}
\DeclareInputText{241}{\@tabacckludge'n}
\DeclareInputText{242}{\c n}
\DeclareInputText{243}{\@tabacckludge'o}
\DeclareInputText{244}{\@tabacckludge=o}
\DeclareInputText{245}{\~o}
\DeclareInputText{246}{\"o}
\DeclareInputText{247}{\textdiv}
\DeclareInputText{248}{\k u}
\DeclareInputText{249}{\l}
\DeclareInputText{250}{\@tabacckludge's}
\DeclareInputText{251}{\@tabacckludge=u}
\DeclareInputText{252}{\"u}
\DeclareInputText{253}{\.z}
\DeclareInputText{254}{\v z}
\DeclareInputText{255}{\textquoteright}
\RestoreAtCatcode
⟨/iso-8859-13⟩
```

2.5.13 Encoding iso-8859-14

```
⟨*iso-8859-14⟩
\ProvidesFile{x-iso-8859-14.def}%
  [2016/05/16 v1.11 Input encoding iso-8859-14 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\DeclareInputText{160}{\nobreakspace}
\DeclareInputText{161}{\.B}
\DeclareInputText{162}{\.b}
\DeclareInputText{163}{\textsterling}
\DeclareInputText{164}{\.C}
\DeclareInputText{165}{\.c}
\DeclareInputText{166}{\.D}
\DeclareInputText{167}{\textsection}
\DeclareInputText{168}{\@tabacckludge`W}
```

```
\DeclareInputText{169}{\textcopyright}
\DeclareInputText{170}{\@tabacckludge'W}
\DeclareInputText{171}{\.d}
\DeclareInputText{172}{\@tabacckludge`Y}
\DeclareInputText{173}{\-}
\DeclareInputText{174}{\textregistered}
\DeclareInputText{175}{\"Y}
\DeclareInputText{176}{\.F}
\DeclareInputText{177}{\.f}
\DeclareInputText{178}{\.G}
\DeclareInputText{179}{\.g}
\DeclareInputText{180}{\.M}
\DeclareInputText{181}{\.m}
\DeclareInputText{182}{\textparagraph}
\DeclareInputText{183}{\.P}
\DeclareInputText{184}{\@tabacckludge`w}
\DeclareInputText{185}{\.p}
\DeclareInputText{186}{\@tabacckludge'w}
\DeclareInputText{187}{\.S}
\DeclareInputText{188}{\@tabacckludge`y}
\DeclareInputText{189}{\"W}
\DeclareInputText{190}{\"w}
\DeclareInputText{191}{\.s}
\DeclareInputText{192}{\@tabacckludge`A}
\DeclareInputText{193}{\@tabacckludge'A}
\DeclareInputText{194}{\^A}
\DeclareInputText{195}{\~A}
\DeclareInputText{196}{\"A}
\DeclareInputText{197}{\r A}
\DeclareInputText{198}{\AE}
\DeclareInputText{199}{\c C}
\DeclareInputText{200}{\@tabacckludge`E}
\DeclareInputText{201}{\@tabacckludge'E}
\DeclareInputText{202}{\^E}
\DeclareInputText{203}{\"E}
\DeclareInputText{204}{\@tabacckludge`I}
\DeclareInputText{205}{\@tabacckludge'I}
\DeclareInputText{206}{\^I}
\DeclareInputText{207}{\"I}
\DeclareInputText{208}{\^W}
\DeclareInputText{209}{\~N}
\DeclareInputText{210}{\@tabacckludge`O}
\DeclareInputText{211}{\@tabacckludge'O}
\DeclareInputText{212}{\^O}
\DeclareInputText{213}{\~O}
\DeclareInputText{214}{\"O}
\DeclareInputText{215}{\.T}
\DeclareInputText{216}{\O}
\DeclareInputText{217}{\@tabacckludge`U}
\DeclareInputText{218}{\@tabacckludge'U}
\DeclareInputText{219}{\^U}
\DeclareInputText{220}{\"U}
\DeclareInputText{221}{\@tabacckludge'Y}
\DeclareInputText{222}{\^Y}
\DeclareInputText{223}{\ss}
\DeclareInputText{224}{\@tabacckludge`a}
\DeclareInputText{225}{\@tabacckludge'a}
\DeclareInputText{226}{\^a}
\DeclareInputText{227}{\~a}
\DeclareInputText{228}{\"a}
\DeclareInputText{229}{\r a}
\DeclareInputText{230}{\ae}
```

```
\DeclareInputText{231}{\c c}
\DeclareInputText{232}{\@tabacckludge`e}
\DeclareInputText{233}{\@tabacckludge'e}
\DeclareInputText{234}{\^e}
\DeclareInputText{235}{\"e}
\DeclareInputText{236}{\@tabacckludge`\i}
\DeclareInputText{237}{\@tabacckludge'\i}
\DeclareInputText{238}{\^\i}
\DeclareInputText{239}{\"\i}
\DeclareInputText{240}{\^w}
\DeclareInputText{241}{\~n}
\DeclareInputText{242}{\@tabacckludge`o}
\DeclareInputText{243}{\@tabacckludge'o}
\DeclareInputText{244}{\^o}
\DeclareInputText{245}{\~o}
\DeclareInputText{246}{\"o}
\DeclareInputText{247}{\.t}
\DeclareInputText{248}{\o}
\DeclareInputText{249}{\@tabacckludge`u}
\DeclareInputText{250}{\@tabacckludge'u}
\DeclareInputText{251}{\^u}
\DeclareInputText{252}{\"u}
\DeclareInputText{253}{\@tabacckludge'y}
\DeclareInputText{254}{\^y}
\DeclareInputText{255}{\"y}
\RestoreAtCatcode
⟨/iso-8859-14⟩
```

2.5.14 Encoding iso-8859-15

```
⟨*iso-8859-15⟩
\ProvidesFile{x-iso-8859-15.def}%
  [2016/05/16 v1.11 Input encoding iso-8859-15 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textasciimacron}{%
  \@tabacckludge={}%
}
\ProvideTextCommandDefault{\textcent}{%
  \TextSymbolUnavailable\textcent
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textdiv}{%
  \TextSymbolUnavailable\textdiv
}
\ProvideTextCommandDefault{\texteuro}{%
  \TextSymbolUnavailable\texteuro
}
\ProvideTextCommandDefault{\textlnot}{%
  \ensuremath\lnot
}
\ProvideTextCommandDefault{\textmu}{%
  \ensuremath\mu
}
\ProvideTextCommandDefault{\textonesuperior}{%
  \ensuremath{{^1}}%
}
\ProvideTextCommandDefault{\textpm}{%
  \ensuremath\pm
}
\ProvideTextCommandDefault{\textthreesuperior}{%
  \ensuremath{{^3}}%
```

```
}
\ProvideTextCommandDefault{\texttimes}{%
  \ensuremath\times
}
\ProvideTextCommandDefault{\texttwosuperior}{%
  \ensuremath{{^2}}%
}
\ProvideTextCommandDefault{\textyen}{%
  \TextSymbolUnavailable\textyen
}
\DeclareInputText{160}{\nobreakspace}
\DeclareInputText{161}{\textexclamdown}
\DeclareInputText{162}{\textcent}
\DeclareInputText{163}{\textsterling}
\DeclareInputText{164}{\texteuro}
\DeclareInputText{165}{\textyen}
\DeclareInputText{166}{\v S}
\DeclareInputText{167}{\textsection}
\DeclareInputText{168}{\v s}
\DeclareInputText{169}{\textcopyright}
\DeclareInputText{170}{\textordfeminine}
\DeclareInputText{171}{\guillemotleft}
\DeclareInputText{172}{\textlnot}
\DeclareInputText{173}{\-}
\DeclareInputText{174}{\textregistered}
\DeclareInputText{175}{\textasciimacron}
\DeclareInputText{176}{\textdegree}
\DeclareInputText{177}{\textpm}
\DeclareInputText{178}{\texttwosuperior}
\DeclareInputText{179}{\textthreesuperior}
\DeclareInputText{180}{\v Z}
\DeclareInputText{181}{\textmu}
\DeclareInputText{182}{\textparagraph}
\DeclareInputText{183}{\textperiodcentered}
\DeclareInputText{184}{\v z}
\DeclareInputText{185}{\textonesuperior}
\DeclareInputText{186}{\textordmasculine}
\DeclareInputText{187}{\guillemotright}
\DeclareInputText{188}{\OE}
\DeclareInputText{189}{\oe}
\DeclareInputText{190}{\"Y}
\DeclareInputText{191}{\textquestiondown}
\DeclareInputText{192}{\@tabacckludge`A}
\DeclareInputText{193}{\@tabacckludge'A}
\DeclareInputText{194}{\^A}
\DeclareInputText{195}{\~A}
\DeclareInputText{196}{\"A}
\DeclareInputText{197}{\r A}
\DeclareInputText{198}{\AE}
\DeclareInputText{199}{\c C}
\DeclareInputText{200}{\@tabacckludge`E}
\DeclareInputText{201}{\@tabacckludge'E}
\DeclareInputText{202}{\^E}
\DeclareInputText{203}{\"E}
\DeclareInputText{204}{\@tabacckludge`I}
\DeclareInputText{205}{\@tabacckludge'I}
\DeclareInputText{206}{\^I}
\DeclareInputText{207}{\"I}
\DeclareInputText{208}{\DH}
\DeclareInputText{209}{\~N}
\DeclareInputText{210}{\@tabacckludge`O}
\DeclareInputText{211}{\@tabacckludge'O}
```

```
\DeclareInputText{212}{\^O}
\DeclareInputText{213}{\~O}
\DeclareInputText{214}{\"O}
\DeclareInputText{215}{\texttimes}
\DeclareInputText{216}{\O}
\DeclareInputText{217}{\@tabacckludge`U}
\DeclareInputText{218}{\@tabacckludge'U}
\DeclareInputText{219}{\^U}
\DeclareInputText{220}{\"U}
\DeclareInputText{221}{\@tabacckludge'Y}
\DeclareInputText{222}{\TH}
\DeclareInputText{223}{\ss}
\DeclareInputText{224}{\@tabacckludge`a}
\DeclareInputText{225}{\@tabacckludge'a}
\DeclareInputText{226}{\^a}
\DeclareInputText{227}{\~a}
\DeclareInputText{228}{\"a}
\DeclareInputText{229}{\r a}
\DeclareInputText{230}{\ae}
\DeclareInputText{231}{\c c}
\DeclareInputText{232}{\@tabacckludge`e}
\DeclareInputText{233}{\@tabacckludge'e}
\DeclareInputText{234}{\^e}
\DeclareInputText{235}{\"e}
\DeclareInputText{236}{\@tabacckludge`\i}
\DeclareInputText{237}{\@tabacckludge'\i}
\DeclareInputText{238}{\^\i}
\DeclareInputText{239}{\"\i}
\DeclareInputText{240}{\dh}
\DeclareInputText{241}{\~n}
\DeclareInputText{242}{\@tabacckludge`o}
\DeclareInputText{243}{\@tabacckludge'o}
\DeclareInputText{244}{\^o}
\DeclareInputText{245}{\~o}
\DeclareInputText{246}{\"o}
\DeclareInputText{247}{\textdiv}
\DeclareInputText{248}{\o}
\DeclareInputText{249}{\@tabacckludge`u}
\DeclareInputText{250}{\@tabacckludge'u}
\DeclareInputText{251}{\^u}
\DeclareInputText{252}{\"u}
\DeclareInputText{253}{\@tabacckludge'y}
\DeclareInputText{254}{\th}
\DeclareInputText{255}{\"y}
\RestoreAtCatcode
⟨/iso-8859-15⟩
```

2.5.15 Encoding iso-8859-16

```
⟨*iso-8859-16⟩
\ProvidesFile{x-iso-8859-16.def}%
  [2016/05/16 v1.11 Input encoding iso-8859-16 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textcommabelow}[1]{%
  \hmode@bgroup
    \ooalign{%
      \null#1\crcr
      \hidewidth
      \raise-.31ex\hbox{%
        \check@mathfonts
        \fontsize\ssf@size\z@
        \math@fontsfalse\selectfont,%
      }%
```

```
      \hidewidth
    }%
  \egroup
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\texteuro}{%
  \TextSymbolUnavailable\texteuro
}
\ProvideTextCommandDefault{\textpm}{%
  \ensuremath\pm
}
\DeclareInputText{160}{\nobreakspace}
\DeclareInputText{161}{\k A}
\DeclareInputText{162}{\k a}
\DeclareInputText{163}{\L}
\DeclareInputText{164}{\texteuro}
\DeclareInputText{165}{\quotedblbase}
\DeclareInputText{166}{\v S}
\DeclareInputText{167}{\textsection}
\DeclareInputText{168}{\v s}
\DeclareInputText{169}{\textcopyright}
\DeclareInputText{170}{\textcommabelow S}
\DeclareInputText{171}{\guillemotleft}
\DeclareInputText{172}{\@tabacckludge'Z}
\DeclareInputText{173}{\-}
\DeclareInputText{174}{\@tabacckludge'z}
\DeclareInputText{175}{\.Z}
\DeclareInputText{176}{\textdegree}
\DeclareInputText{177}{\textpm}
\DeclareInputText{178}{\v C}
\DeclareInputText{179}{\l}
\DeclareInputText{180}{\v Z}
\DeclareInputText{181}{\textquotedblright}
\DeclareInputText{182}{\textparagraph}
\DeclareInputText{183}{\textperiodcentered}
\DeclareInputText{184}{\v z}
\DeclareInputText{185}{\v c}
\DeclareInputText{186}{\textcommabelow s}
\DeclareInputText{187}{\guillemotright}
\DeclareInputText{188}{\OE}
\DeclareInputText{189}{\oe}
\DeclareInputText{190}{\"Y}
\DeclareInputText{191}{\.z}
\DeclareInputText{192}{\@tabacckludge`A}
\DeclareInputText{193}{\@tabacckludge'A}
\DeclareInputText{194}{\^A}
\DeclareInputText{195}{\u A}
\DeclareInputText{196}{\"A}
\DeclareInputText{197}{\@tabacckludge'C}
\DeclareInputText{198}{\AE}
\DeclareInputText{199}{\c C}
\DeclareInputText{200}{\@tabacckludge`E}
\DeclareInputText{201}{\@tabacckludge'E}
\DeclareInputText{202}{\^E}
\DeclareInputText{203}{\"E}
\DeclareInputText{204}{\@tabacckludge`I}
\DeclareInputText{205}{\@tabacckludge'I}
\DeclareInputText{206}{\^I}
\DeclareInputText{207}{\"I}
\DeclareInputText{208}{\DJ}
```

```
\DeclareInputText{209}{\@tabacckludge'N}
\DeclareInputText{210}{\@tabacckludge`O}
\DeclareInputText{211}{\@tabacckludge'O}
\DeclareInputText{212}{\^O}
\DeclareInputText{213}{\H O}
\DeclareInputText{214}{\"O}
\DeclareInputText{215}{\@tabacckludge'S}
\DeclareInputText{216}{\H U}
\DeclareInputText{217}{\@tabacckludge`U}
\DeclareInputText{218}{\@tabacckludge'U}
\DeclareInputText{219}{\^U}
\DeclareInputText{220}{\"U}
\DeclareInputText{221}{\k E}
\DeclareInputText{222}{\textcommabelow T}
\DeclareInputText{223}{\ss}
\DeclareInputText{224}{\@tabacckludge`a}
\DeclareInputText{225}{\@tabacckludge'a}
\DeclareInputText{226}{\^a}
\DeclareInputText{227}{\u a}
\DeclareInputText{228}{\"a}
\DeclareInputText{229}{\@tabacckludge'c}
\DeclareInputText{230}{\ae}
\DeclareInputText{231}{\c c}
\DeclareInputText{232}{\@tabacckludge`e}
\DeclareInputText{233}{\@tabacckludge'e}
\DeclareInputText{234}{\^e}
\DeclareInputText{235}{\"e}
\DeclareInputText{236}{\@tabacckludge`\i}
\DeclareInputText{237}{\@tabacckludge'\i}
\DeclareInputText{238}{\^\i}
\DeclareInputText{239}{\"\i}
\DeclareInputText{240}{\dj}
\DeclareInputText{241}{\@tabacckludge'n}
\DeclareInputText{242}{\@tabacckludge`o}
\DeclareInputText{243}{\@tabacckludge'o}
\DeclareInputText{244}{\^o}
\DeclareInputText{245}{\H o}
\DeclareInputText{246}{\"o}
\DeclareInputText{247}{\@tabacckludge's}
\DeclareInputText{248}{\H u}
\DeclareInputText{249}{\@tabacckludge`u}
\DeclareInputText{250}{\@tabacckludge'u}
\DeclareInputText{251}{\^u}
\DeclareInputText{252}{\"u}
\DeclareInputText{253}{\k e}
\DeclareInputText{254}{\textcommabelow t}
\DeclareInputText{255}{\"y}
\RestoreAtCatcode
⟨/iso-8859-16⟩
```

2.5.16 Encoding cp437

```
⟨*cp437⟩
\ProvidesFile{x-cp437.def}%
  [2016/05/16 v1.11 Input encoding cp437 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textGamma}{%
  \ensuremath\Gamma
}
\ProvideTextCommandDefault{\textOmega}{%
  \ensuremath\Omega
}
\ProvideTextCommandDefault{\textPhi}{%
```

```
  \ensuremath\Phi
}
\ProvideTextCommandDefault{\textSigma}{%
  \ensuremath\Sigma
}
\ProvideTextCommandDefault{\textTheta}{%
  \ensuremath\Theta
}
\ProvideTextCommandDefault{\textalpha}{%
  \ensuremath\alpha
}
\ProvideTextCommandDefault{\textapproxequal}{%
  \ensuremath\approx
}
\ProvideTextCommandDefault{\textblacksquare}{%
  \vrule \@width .3em \@height .4em \@depth -.1em\relax
}
\ProvideTextCommandDefault{\textcent}{%
  \TextSymbolUnavailable\textcent
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textdelta}{%
  \ensuremath\delta
}
\ProvideTextCommandDefault{\textdiv}{%
  \TextSymbolUnavailable\textdiv
}
\ProvideTextCommandDefault{\textepsilon}{%
  \ensuremath\varepsilon
}
\ProvideTextCommandDefault{\textequivalence}{%
  \ensuremath\equiv
}
\ProvideTextCommandDefault{\textflorin}{%
  \textit{f}%
}
\ProvideTextCommandDefault{\textgreaterequal}{%
  \ensuremath\geq
}
\ProvideTextCommandDefault{\textinfinity}{%
  \ensuremath\infty
}
\ProvideTextCommandDefault{\textintersection}{%
  \ensuremath\cap
}
\ProvideTextCommandDefault{\textlessequal}{%
  \ensuremath\leq
}
\ProvideTextCommandDefault{\textlnot}{%
  \ensuremath\lnot
}
\ProvideTextCommandDefault{\textmu}{%
  \ensuremath\mu
}
\ProvideTextCommandDefault{\textnsuperior}{%
  \ensuremath{{^n}}%
}
\ProvideTextCommandDefault{\textonehalf}{%
  \ensuremath{\frac12}%
}
```

```
\ProvideTextCommandDefault{\textonequarter}{%
  \ensuremath{\frac14}%
}
\ProvideTextCommandDefault{\textpeseta}{%
  Pt%
}
\ProvideTextCommandDefault{\textphi}{%
  \ensuremath\phi
}
\ProvideTextCommandDefault{\textpi}{%
  \ensuremath\pi
}
\ProvideTextCommandDefault{\textpm}{%
  \ensuremath\pm
}
\ProvideTextCommandDefault{\textrevlogicalnot}{%
  \begingroup
    \@ifundefined{reflectbox}{%
      \TextSymbolUnavailable\textrevlogicalnot
    }{%
      \def\@revlogicalnot##1##2{%
        \reflectbox{$##1##2$}%
      }%
      \ensuremath{\mathpalette\@revlogicalnot\lnot}%
    }%
  \endgroup
}
\ProvideTextCommandDefault{\textsigma}{%
  \ensuremath\sigma
}
\ProvideTextCommandDefault{\textsurd}{%
  \ensuremath\surd
}
\ProvideTextCommandDefault{\texttau}{%
  \ensuremath\tau
}
\ProvideTextCommandDefault{\texttwosuperior}{%
  \ensuremath{{^2}}%
}
\ProvideTextCommandDefault{\textyen}{%
  \TextSymbolUnavailable\textyen
}
\DeclareInputText{128}{\c C}
\DeclareInputText{129}{\"u}
\DeclareInputText{130}{\@tabaccludge'e}
\DeclareInputText{131}{\^a}
\DeclareInputText{132}{\"a}
\DeclareInputText{133}{\@tabaccludge`a}
\DeclareInputText{134}{\r a}
\DeclareInputText{135}{\c c}
\DeclareInputText{136}{\^e}
\DeclareInputText{137}{\"e}
\DeclareInputText{138}{\@tabaccludge`e}
\DeclareInputText{139}{\"\i}
\DeclareInputText{140}{\^\i}
\DeclareInputText{141}{\@tabaccludge`\i}
\DeclareInputText{142}{\"A}
\DeclareInputText{143}{\r A}
\DeclareInputText{144}{\@tabaccludge'E}
\DeclareInputText{145}{\ae}
\DeclareInputText{146}{\AE}
\DeclareInputText{147}{\^o}
```

```
\DeclareInputText{148}{\"o}
\DeclareInputText{149}{\@tabacckludge`o}
\DeclareInputText{150}{\^u}
\DeclareInputText{151}{\@tabacckludge`u}
\DeclareInputText{152}{\"y}
\DeclareInputText{153}{\"O}
\DeclareInputText{154}{\"U}
\DeclareInputText{155}{\textcent}
\DeclareInputText{156}{\textsterling}
\DeclareInputText{157}{\textyen}
\DeclareInputText{158}{\textpeseta}
\DeclareInputText{159}{\textflorin}
\DeclareInputText{160}{\@tabacckludge'a}
\DeclareInputText{161}{\@tabacckludge'\i}
\DeclareInputText{162}{\@tabacckludge'o}
\DeclareInputText{163}{\@tabacckludge'u}
\DeclareInputText{164}{\~n}
\DeclareInputText{165}{\~N}
\DeclareInputText{166}{\textordfeminine}
\DeclareInputText{167}{\textordmasculine}
\DeclareInputText{168}{\textquestiondown}
\DeclareInputText{169}{\textrevlogicalnot}
\DeclareInputText{170}{\textlnot}
\DeclareInputText{171}{\textonehalf}
\DeclareInputText{172}{\textonequarter}
\DeclareInputText{173}{\textexclamdown}
\DeclareInputText{174}{\guillemotleft}
\DeclareInputText{175}{\guillemotright}
\DeclareInputText{176}{\textltshade}
\DeclareInputText{177}{\textshade}
\DeclareInputText{178}{\textdkshade}
\DeclareInputText{179}{\textSFxi}
\DeclareInputText{180}{\textSFix}
\DeclareInputText{181}{\textSFxix}
\DeclareInputText{182}{\textSFxx}
\DeclareInputText{183}{\textSFxxi}
\DeclareInputText{184}{\textSFxxii}
\DeclareInputText{185}{\textSFxxiii}
\DeclareInputText{186}{\textSFxxiv}
\DeclareInputText{187}{\textSFxxv}
\DeclareInputText{188}{\textSFxxvi}
\DeclareInputText{189}{\textSFxxvii}
\DeclareInputText{190}{\textSFxxviii}
\DeclareInputText{191}{\textSFiii}
\DeclareInputText{192}{\textSFii}
\DeclareInputText{193}{\textSFvii}
\DeclareInputText{194}{\textSFvi}
\DeclareInputText{195}{\textSFviii}
\DeclareInputText{196}{\textSFx}
\DeclareInputText{197}{\textSFv}
\DeclareInputText{198}{\textSFxxxvi}
\DeclareInputText{199}{\textSFxxxvii}
\DeclareInputText{200}{\textSFxxxviii}
\DeclareInputText{201}{\textSFxxxix}
\DeclareInputText{202}{\textSFxl}
\DeclareInputText{203}{\textSFxli}
\DeclareInputText{204}{\textSFxlii}
\DeclareInputText{205}{\textSFxliii}
\DeclareInputText{206}{\textSFxliv}
\DeclareInputText{207}{\textSFxlv}
\DeclareInputText{208}{\textSFxlvi}
\DeclareInputText{209}{\textSFxlvii}
```

```
\DeclareInputText{210}{\textSFxlviii}
\DeclareInputText{211}{\textSFxlix}
\DeclareInputText{212}{\textSFl}
\DeclareInputText{213}{\textSFli}
\DeclareInputText{214}{\textSFlii}
\DeclareInputText{215}{\textSFliii}
\DeclareInputText{216}{\textSFliv}
\DeclareInputText{217}{\textSFiv}
\DeclareInputText{218}{\textSFi}
\DeclareInputText{219}{\textblock}
\DeclareInputText{220}{\textdnblock}
\DeclareInputText{221}{\textlfblock}
\DeclareInputText{222}{\textrtblock}
\DeclareInputText{223}{\textupblock}
\DeclareInputText{224}{\textalpha}
\DeclareInputText{225}{\ss}
\DeclareInputText{226}{\textGamma}
\DeclareInputText{227}{\textpi}
\DeclareInputText{228}{\textSigma}
\DeclareInputText{229}{\textsigma}
\DeclareInputText{230}{\textmu}
\DeclareInputText{231}{\texttau}
\DeclareInputText{232}{\textPhi}
\DeclareInputText{233}{\textTheta}
\DeclareInputText{234}{\textOmega}
\DeclareInputText{235}{\textdelta}
\DeclareInputText{236}{\textinfinity}
\DeclareInputText{237}{\textphi}
\DeclareInputText{238}{\textepsilon}
\DeclareInputText{239}{\textintersection}
\DeclareInputText{240}{\textequivalence}
\DeclareInputText{241}{\textpm}
\DeclareInputText{242}{\textgreaterequal}
\DeclareInputText{243}{\textlessequal}
\DeclareInputText{246}{\textdiv}
\DeclareInputText{247}{\textapproxequal}
\DeclareInputText{248}{\textdegree}
\DeclareInputText{249}{\textbullet}
\DeclareInputText{250}{\textperiodcentered}
\DeclareInputText{251}{\textsurd}
\DeclareInputText{252}{\textnsuperior}
\DeclareInputText{253}{\texttwosuperior}
\DeclareInputText{254}{\textblacksquare}
\DeclareInputText{255}{\nobreakspace}
\RestoreAtCatcode
⟨/cp437⟩
```

2.5.17 Encoding cp850

```
⟨*cp850⟩
\ProvidesFile{x-cp850.def}%
  [2016/05/16 v1.11 Input encoding cp850 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textasciiacute}{%
  \@tabacckludge'{}%
}
\ProvideTextCommandDefault{\textasciidieresis}{%
  \"{}%
}
\ProvideTextCommandDefault{\textasciimacron}{%
  \@tabacckludge={}%
}
\ProvideTextCommandDefault{\textblacksquare}{%
```

```
  \vrule \@width .3em \@height .4em \@depth -.1em\relax
}
\ProvideTextCommandDefault{\textbrokenbar}{%
  \TextSymbolUnavailable\textbrokenbar
}
\ProvideTextCommandDefault{\textcent}{%
  \TextSymbolUnavailable\textcent
}
\ProvideTextCommandDefault{\textcurrency}{%
  \TextSymbolUnavailable\textcurrency
}
\ProvideTextCommandDefault{\textdbllowline}{%
  \begingroup
    \sbox0{\textunderscore}%
    \leavevmode
    \ifdim\dp0<.2ex\relax
      \rlap{\raisebox{-.2ex}[0pt]{\textunderscore}}%
    \else
      \rlap{\raisebox{.2ex}[0pt]{\textunderscore}}%
    \fi
    \textunderscore
  \endgroup
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textdiv}{%
  \TextSymbolUnavailable\textdiv
}
\ProvideTextCommandDefault{\textflorin}{%
  \textit{f}%
}
\ProvideTextCommandDefault{\textlnot}{%
  \ensuremath\lnot
}
\ProvideTextCommandDefault{\textmu}{%
  \ensuremath\mu
}
\ProvideTextCommandDefault{\textonehalf}{%
  \ensuremath{\frac12}%
}
\ProvideTextCommandDefault{\textonequarter}{%
  \ensuremath{\frac14}%
}
\ProvideTextCommandDefault{\textonesuperior}{%
  \ensuremath{{^1}}%
}
\ProvideTextCommandDefault{\textpm}{%
  \ensuremath\pm
}
\ProvideTextCommandDefault{\textthreequarters}{%
  \ensuremath{\frac34}%
}
\ProvideTextCommandDefault{\textthreesuperior}{%
  \ensuremath{{^3}}%
}
\ProvideTextCommandDefault{\texttimes}{%
  \ensuremath\times
}
\ProvideTextCommandDefault{\texttwosuperior}{%
  \ensuremath{{^2}}%
}
```

```
\ProvideTextCommandDefault{\textyen}{%
  \TextSymbolUnavailable\textyen
}
\DeclareInputText{128}{\c C}
\DeclareInputText{129}{\"u}
\DeclareInputText{130}{\@tabacckludge'e}
\DeclareInputText{131}{\^a}
\DeclareInputText{132}{\"a}
\DeclareInputText{133}{\@tabacckludge`a}
\DeclareInputText{134}{\r a}
\DeclareInputText{135}{\c c}
\DeclareInputText{136}{\^e}
\DeclareInputText{137}{\"e}
\DeclareInputText{138}{\@tabacckludge`e}
\DeclareInputText{139}{\"\i}
\DeclareInputText{140}{\^\i}
\DeclareInputText{141}{\@tabacckludge`\i}
\DeclareInputText{142}{\"A}
\DeclareInputText{143}{\r A}
\DeclareInputText{144}{\@tabacckludge'E}
\DeclareInputText{145}{\ae}
\DeclareInputText{146}{\AE}
\DeclareInputText{147}{\^o}
\DeclareInputText{148}{\"o}
\DeclareInputText{149}{\@tabacckludge`o}
\DeclareInputText{150}{\^u}
\DeclareInputText{151}{\@tabacckludge`u}
\DeclareInputText{152}{\"y}
\DeclareInputText{153}{\"O}
\DeclareInputText{154}{\"U}
\DeclareInputText{155}{\o}
\DeclareInputText{156}{\textsterling}
\DeclareInputText{157}{\O}
\DeclareInputText{158}{\texttimes}
\DeclareInputText{159}{\textflorin}
\DeclareInputText{160}{\@tabacckludge'a}
\DeclareInputText{161}{\@tabacckludge'\i}
\DeclareInputText{162}{\@tabacckludge'o}
\DeclareInputText{163}{\@tabacckludge'u}
\DeclareInputText{164}{\~n}
\DeclareInputText{165}{\~N}
\DeclareInputText{166}{\textordfeminine}
\DeclareInputText{167}{\textordmasculine}
\DeclareInputText{168}{\textquestiondown}
\DeclareInputText{169}{\textregistered}
\DeclareInputText{170}{\textlnot}
\DeclareInputText{171}{\textonehalf}
\DeclareInputText{172}{\textonequarter}
\DeclareInputText{173}{\textexclamdown}
\DeclareInputText{174}{\guillemotleft}
\DeclareInputText{175}{\guillemotright}
\DeclareInputText{176}{\textltshade}
\DeclareInputText{177}{\textshade}
\DeclareInputText{178}{\textdkshade}
\DeclareInputText{179}{\textSFxi}
\DeclareInputText{180}{\textSFix}
\DeclareInputText{181}{\@tabacckludge'A}
\DeclareInputText{182}{\^A}
\DeclareInputText{183}{\@tabacckludge`A}
\DeclareInputText{184}{\textcopyright}
\DeclareInputText{185}{\textSFxxiii}
\DeclareInputText{186}{\textSFxxiv}
```

```
\DeclareInputText{187}{\textSFxxv}
\DeclareInputText{188}{\textSFxxvi}
\DeclareInputText{189}{\textcent}
\DeclareInputText{190}{\textyen}
\DeclareInputText{191}{\textSFiii}
\DeclareInputText{192}{\textSFii}
\DeclareInputText{193}{\textSFvii}
\DeclareInputText{194}{\textSFvi}
\DeclareInputText{195}{\textSFviii}
\DeclareInputText{196}{\textSFx}
\DeclareInputText{197}{\textSFv}
\DeclareInputText{198}{\~a}
\DeclareInputText{199}{\~A}
\DeclareInputText{200}{\textSFxxxviii}
\DeclareInputText{201}{\textSFxxxix}
\DeclareInputText{202}{\textSFxl}
\DeclareInputText{203}{\textSFxli}
\DeclareInputText{204}{\textSFxlii}
\DeclareInputText{205}{\textSFxliii}
\DeclareInputText{206}{\textSFxliv}
\DeclareInputText{207}{\textcurrency}
\DeclareInputText{208}{\dh}
\DeclareInputText{209}{\DH}
\DeclareInputText{210}{\^E}
\DeclareInputText{211}{\"E}
\DeclareInputText{212}{\@tabacckludge`E}
\DeclareInputText{213}{\i}
\DeclareInputText{214}{\@tabacckludge'I}
\DeclareInputText{215}{\^I}
\DeclareInputText{216}{\"I}
\DeclareInputText{217}{\textSFiv}
\DeclareInputText{218}{\textSFi}
\DeclareInputText{219}{\textblock}
\DeclareInputText{220}{\textdnblock}
\DeclareInputText{221}{\textbrokenbar}
\DeclareInputText{222}{\@tabacckludge`I}
\DeclareInputText{223}{\textupblock}
\DeclareInputText{224}{\@tabacckludge'O}
\DeclareInputText{225}{\ss}
\DeclareInputText{226}{\^O}
\DeclareInputText{227}{\@tabacckludge`O}
\DeclareInputText{228}{\~o}
\DeclareInputText{229}{\~O}
\DeclareInputText{230}{\textmu}
\DeclareInputText{231}{\th}
\DeclareInputText{232}{\TH}
\DeclareInputText{233}{\@tabacckludge'U}
\DeclareInputText{234}{\^U}
\DeclareInputText{235}{\@tabacckludge`U}
\DeclareInputText{236}{\@tabacckludge'y}
\DeclareInputText{237}{\@tabacckludge'Y}
\DeclareInputText{238}{\textasciimacron}
\DeclareInputText{239}{\textasciiacute}
\DeclareInputText{240}{\-}
\DeclareInputText{241}{\textpm}
\DeclareInputText{242}{\textdbllowline}
\DeclareInputText{243}{\textthreequarters}
\DeclareInputText{244}{\textparagraph}
\DeclareInputText{245}{\textsection}
\DeclareInputText{246}{\textdiv}
\DeclareInputText{247}{\c\ }
\DeclareInputText{248}{\textdegree}
```

```
\DeclareInputText{249}{\textasciidieresis}
\DeclareInputText{250}{\textperiodcentered}
\DeclareInputText{251}{\textonesuperior}
\DeclareInputText{252}{\textthreesuperior}
\DeclareInputText{253}{\texttwosuperior}
\DeclareInputText{254}{\textblacksquare}
\DeclareInputText{255}{\nobreakspace}
\RestoreAtCatcode
⟨/cp850⟩
```

2.5.18 Encoding cp852

```
⟨*cp852⟩
\ProvidesFile{x-cp852.def}%
  [2016/05/16 v1.11 Input encoding cp852 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textacutedbl}{%
  \H{}%
}
\ProvideTextCommandDefault{\textasciiacute}{%
  \@tabacckludge'{}%
}
\ProvideTextCommandDefault{\textasciibreve}{%
  \u{}%
}
\ProvideTextCommandDefault{\textasciicaron}{%
  \v{}%
}
\ProvideTextCommandDefault{\textasciidieresis}{%
  \"{}%
}
\ProvideTextCommandDefault{\textblacksquare}{%
  \vrule \@width .3em \@height .4em \@depth -.1em\relax
}
\ProvideTextCommandDefault{\textcurrency}{%
  \TextSymbolUnavailable\textcurrency
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textdiv}{%
  \TextSymbolUnavailable\textdiv
}
\ProvideTextCommandDefault{\textlnot}{%
  \ensuremath\lnot
}
\ProvideTextCommandDefault{\texttimes}{%
  \ensuremath\times
}
\DeclareInputText{128}{\c C}
\DeclareInputText{129}{\"u}
\DeclareInputText{130}{\@tabacckludge'e}
\DeclareInputText{131}{\^a}
\DeclareInputText{132}{\"a}
\DeclareInputText{133}{\r u}
\DeclareInputText{134}{\@tabacckludge'c}
\DeclareInputText{135}{\c c}
\DeclareInputText{136}{\l}
\DeclareInputText{137}{\"e}
\DeclareInputText{138}{\H O}
\DeclareInputText{139}{\H o}
\DeclareInputText{140}{\^\i}
\DeclareInputText{141}{\@tabacckludge'Z}
```

```
\DeclareInputText{142}{\"A}
\DeclareInputText{143}{\@tabaccludge'C}
\DeclareInputText{144}{\@tabaccludge'E}
\DeclareInputText{145}{\@tabaccludge'L}
\DeclareInputText{146}{\@tabaccludge'l}
\DeclareInputText{147}{\^o}
\DeclareInputText{148}{\"o}
\DeclareInputText{149}{\v L}
\DeclareInputText{150}{\v l}
\DeclareInputText{151}{\@tabaccludge'S}
\DeclareInputText{152}{\@tabaccludge's}
\DeclareInputText{153}{\"O}
\DeclareInputText{154}{\"U}
\DeclareInputText{155}{\v T}
\DeclareInputText{156}{\v t}
\DeclareInputText{157}{\L}
\DeclareInputText{158}{\texttimes}
\DeclareInputText{159}{\v c}
\DeclareInputText{160}{\@tabaccludge'a}
\DeclareInputText{161}{\@tabaccludge'\i}
\DeclareInputText{162}{\@tabaccludge'o}
\DeclareInputText{163}{\@tabaccludge'u}
\DeclareInputText{164}{\k A}
\DeclareInputText{165}{\k a}
\DeclareInputText{166}{\v Z}
\DeclareInputText{167}{\v z}
\DeclareInputText{168}{\k E}
\DeclareInputText{169}{\k e}
\DeclareInputText{170}{\textlnot}
\DeclareInputText{171}{\@tabaccludge'z}
\DeclareInputText{172}{\v C}
\DeclareInputText{173}{\c s}
\DeclareInputText{174}{\guillemotleft}
\DeclareInputText{175}{\guillemotright}
\DeclareInputText{176}{\textltshade}
\DeclareInputText{177}{\textshade}
\DeclareInputText{178}{\textdkshade}
\DeclareInputText{179}{\textSFxi}
\DeclareInputText{180}{\textSFix}
\DeclareInputText{181}{\@tabaccludge'A}
\DeclareInputText{182}{\^A}
\DeclareInputText{183}{\v E}
\DeclareInputText{184}{\c S}
\DeclareInputText{185}{\textSFxxiii}
\DeclareInputText{186}{\textSFxxiv}
\DeclareInputText{187}{\textSFxxv}
\DeclareInputText{188}{\textSFxxvi}
\DeclareInputText{189}{\.Z}
\DeclareInputText{190}{\.z}
\DeclareInputText{191}{\textSFiii}
\DeclareInputText{192}{\textSFii}
\DeclareInputText{193}{\textSFvii}
\DeclareInputText{194}{\textSFvi}
\DeclareInputText{195}{\textSFviii}
\DeclareInputText{196}{\textSFx}
\DeclareInputText{197}{\textSFv}
\DeclareInputText{198}{\u A}
\DeclareInputText{199}{\u a}
\DeclareInputText{200}{\textSFxxxviii}
\DeclareInputText{201}{\textSFxxxix}
\DeclareInputText{202}{\textSFxl}
\DeclareInputText{203}{\textSFxli}
```

```
\DeclareInputText{204}{\textSFxlii}
\DeclareInputText{205}{\textSFxliii}
\DeclareInputText{206}{\textSFxliv}
\DeclareInputText{207}{\textcurrency}
\DeclareInputText{208}{\dj}
\DeclareInputText{209}{\DJ}
\DeclareInputText{210}{\v D}
\DeclareInputText{211}{\"E}
\DeclareInputText{212}{\v d}
\DeclareInputText{213}{\v N}
\DeclareInputText{214}{\@tabacckludge'I}
\DeclareInputText{215}{\^I}
\DeclareInputText{216}{\v e}
\DeclareInputText{217}{\textSFiv}
\DeclareInputText{218}{\textSFi}
\DeclareInputText{219}{\textblock}
\DeclareInputText{220}{\textdnblock}
\DeclareInputText{221}{\c T}
\DeclareInputText{222}{\r U}
\DeclareInputText{223}{\textupblock}
\DeclareInputText{224}{\@tabacckludge'O}
\DeclareInputText{225}{\ss}
\DeclareInputText{226}{\^O}
\DeclareInputText{227}{\@tabacckludge'N}
\DeclareInputText{228}{\@tabacckludge'n}
\DeclareInputText{229}{\v n}
\DeclareInputText{230}{\v S}
\DeclareInputText{231}{\v s}
\DeclareInputText{232}{\@tabacckludge'R}
\DeclareInputText{233}{\@tabacckludge'U}
\DeclareInputText{234}{\@tabacckludge'r}
\DeclareInputText{235}{\H U}
\DeclareInputText{236}{\@tabacckludge'y}
\DeclareInputText{237}{\@tabacckludge'Y}
\DeclareInputText{238}{\c t}
\DeclareInputText{239}{\textasciiacute}
\DeclareInputText{240}{\-}
\DeclareInputText{241}{\textacutedbl}
\DeclareInputText{242}{\k{}}
\DeclareInputText{243}{\textasciicaron}
\DeclareInputText{244}{\textasciibreve}
\DeclareInputText{245}{\textsection}
\DeclareInputText{246}{\textdiv}
\DeclareInputText{247}{\c\ }
\DeclareInputText{248}{\textdegree}
\DeclareInputText{249}{\textasciidieresis}
\DeclareInputText{250}{\.{}}
\DeclareInputText{251}{\H u}
\DeclareInputText{252}{\v R}
\DeclareInputText{253}{\v r}
\DeclareInputText{254}{\textblacksquare}
\DeclareInputText{255}{\nobreakspace}
\RestoreAtCatcode
⟨/cp852⟩
```

2.5.19 Encoding cp855

```
⟨*cp855⟩
\ProvidesFile{x-cp855.def}%
  [2016/05/16 v1.11 Input encoding cp855 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textblacksquare}{%
  \vrule \@width .3em \@height .4em \@depth -.1em\relax
```

```
}
\ProvideTextCommandDefault{\textcurrency}{%
  \TextSymbolUnavailable\textcurrency
}
\ProvideTextCommandDefault{\textnumero}{%
  N%
  \bgroup
    \check@mathfonts
    \fontsize\sf@size\z@
    \math@fontsfalse
    \selectfont
    \ooalign{%
      \raise0.5ex\hbox{o}%
      \crcr
      \hline
    }%
  \egroup
}
\DeclareInputText{128}{\cyrdje}
\DeclareInputText{129}{\CYRDJE}
\DeclareInputText{130}{\@tabacckludge'\cyrg}
\DeclareInputText{131}{\@tabacckludge'\CYRG}
\DeclareInputText{132}{\cyryo}
\DeclareInputText{133}{\CYRYO}
\DeclareInputText{134}{\cyrie}
\DeclareInputText{135}{\CYRIE}
\DeclareInputText{136}{\cyrdze}
\DeclareInputText{137}{\CYRDZE}
\DeclareInputText{138}{\cyrii}
\DeclareInputText{139}{\CYRII}
\DeclareInputText{140}{\cyryi}
\DeclareInputText{141}{\CYRYI}
\DeclareInputText{142}{\cyrje}
\DeclareInputText{143}{\CYRJE}
\DeclareInputText{144}{\cyrlje}
\DeclareInputText{145}{\CYRLJE}
\DeclareInputText{146}{\cyrnje}
\DeclareInputText{147}{\CYRNJE}
\DeclareInputText{148}{\cyrtshe}
\DeclareInputText{149}{\CYRTSHE}
\DeclareInputText{150}{\@tabacckludge'\cyrk}
\DeclareInputText{151}{\@tabacckludge'\CYRK}
\DeclareInputText{152}{\cyrushrt}
\DeclareInputText{153}{\CYRUSHRT}
\DeclareInputText{154}{\cyrdzhe}
\DeclareInputText{155}{\CYRDZHE}
\DeclareInputText{156}{\cyryu}
\DeclareInputText{157}{\CYRYU}
\DeclareInputText{158}{\cyrhrdsn}
\DeclareInputText{159}{\CYRHRDSN}
\DeclareInputText{160}{\cyra}
\DeclareInputText{161}{\CYRA}
\DeclareInputText{162}{\cyrb}
\DeclareInputText{163}{\CYRB}
\DeclareInputText{164}{\cyrc}
\DeclareInputText{165}{\CYRC}
\DeclareInputText{166}{\cyrd}
\DeclareInputText{167}{\CYRD}
\DeclareInputText{168}{\cyre}
\DeclareInputText{169}{\CYRE}
\DeclareInputText{170}{\cyrf}
\DeclareInputText{171}{\CYRF}
```

```
\DeclareInputText{172}{\cyrg}
\DeclareInputText{173}{\CYRG}
\DeclareInputText{174}{\guillemotleft}
\DeclareInputText{175}{\guillemotright}
\DeclareInputText{176}{\textltshade}
\DeclareInputText{177}{\textshade}
\DeclareInputText{178}{\textdkshade}
\DeclareInputText{179}{\textSFxi}
\DeclareInputText{180}{\textSFix}
\DeclareInputText{181}{\cyrh}
\DeclareInputText{182}{\CYRH}
\DeclareInputText{183}{\cyri}
\DeclareInputText{184}{\CYRI}
\DeclareInputText{185}{\textSFxxiii}
\DeclareInputText{186}{\textSFxxiv}
\DeclareInputText{187}{\textSFxxv}
\DeclareInputText{188}{\textSFxxvi}
\DeclareInputText{189}{\cyrishrt}
\DeclareInputText{190}{\CYRISHRT}
\DeclareInputText{191}{\textSFiii}
\DeclareInputText{192}{\textSFii}
\DeclareInputText{193}{\textSFvii}
\DeclareInputText{194}{\textSFvi}
\DeclareInputText{195}{\textSFviii}
\DeclareInputText{196}{\textSFx}
\DeclareInputText{197}{\textSFv}
\DeclareInputText{198}{\cyrk}
\DeclareInputText{199}{\CYRK}
\DeclareInputText{200}{\textSFxxxviii}
\DeclareInputText{201}{\textSFxxxix}
\DeclareInputText{202}{\textSFxl}
\DeclareInputText{203}{\textSFxli}
\DeclareInputText{204}{\textSFxlii}
\DeclareInputText{205}{\textSFxliii}
\DeclareInputText{206}{\textSFxliv}
\DeclareInputText{207}{\textcurrency}
\DeclareInputText{208}{\cyrl}
\DeclareInputText{209}{\CYRL}
\DeclareInputText{210}{\cyrm}
\DeclareInputText{211}{\CYRM}
\DeclareInputText{212}{\cyrn}
\DeclareInputText{213}{\CYRN}
\DeclareInputText{214}{\cyro}
\DeclareInputText{215}{\CYRO}
\DeclareInputText{216}{\cyrp}
\DeclareInputText{217}{\textSFiv}
\DeclareInputText{218}{\textSFi}
\DeclareInputText{219}{\textblock}
\DeclareInputText{220}{\textdnblock}
\DeclareInputText{221}{\CYRP}
\DeclareInputText{222}{\cyrya}
\DeclareInputText{223}{\textupblock}
\DeclareInputText{224}{\CYRYA}
\DeclareInputText{225}{\cyrr}
\DeclareInputText{226}{\CYRR}
\DeclareInputText{227}{\cyrs}
\DeclareInputText{228}{\CYRS}
\DeclareInputText{229}{\cyrt}
\DeclareInputText{230}{\CYRT}
\DeclareInputText{231}{\cyru}
\DeclareInputText{232}{\CYRU}
\DeclareInputText{233}{\cyrzh}
```

```
\DeclareInputText{234}{\CYRZH}
\DeclareInputText{235}{\cyrv}
\DeclareInputText{236}{\CYRV}
\DeclareInputText{237}{\cyrsftsn}
\DeclareInputText{238}{\CYRSFTSN}
\DeclareInputText{239}{\textnumero}
\DeclareInputText{240}{\-}
\DeclareInputText{241}{\cyrery}
\DeclareInputText{242}{\CYRERY}
\DeclareInputText{243}{\cyrz}
\DeclareInputText{244}{\CYRZ}
\DeclareInputText{245}{\cyrsh}
\DeclareInputText{246}{\CYRSH}
\DeclareInputText{247}{\cyrerev}
\DeclareInputText{248}{\CYREREV}
\DeclareInputText{249}{\cyrshch}
\DeclareInputText{250}{\CYRSHCH}
\DeclareInputText{251}{\cyrch}
\DeclareInputText{252}{\CYRCH}
\DeclareInputText{253}{\textsection}
\DeclareInputText{254}{\textblacksquare}
\DeclareInputText{255}{\nobreakspace}
\RestoreAtCatcode
⟨/cp855⟩
```

2.5.20 Encoding cp858

```
⟨*cp858⟩
\ProvidesFile{x-cp858.def}%
  [2016/05/16 v1.11 Input encoding cp858 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textasciiacute}{%
  \@tabacckludge'{}%
}
\ProvideTextCommandDefault{\textasciidieresis}{%
  \"{}%
}
\ProvideTextCommandDefault{\textasciimacron}{%
  \@tabacckludge={}%
}
\ProvideTextCommandDefault{\textblacksquare}{%
  \vrule \@width .3em \@height .4em \@depth -.1em\relax
}
\ProvideTextCommandDefault{\textbrokenbar}{%
  \TextSymbolUnavailable\textbrokenbar
}
\ProvideTextCommandDefault{\textcent}{%
  \TextSymbolUnavailable\textcent
}
\ProvideTextCommandDefault{\textcurrency}{%
  \TextSymbolUnavailable\textcurrency
}
\ProvideTextCommandDefault{\textdbllowline}{%
  \begingroup
    \sbox0{\textunderscore}%
    \leavevmode
    \ifdim\dp0<.2ex\relax
      \rlap{\raisebox{-.2ex}[0pt]{\textunderscore}}%
    \else
      \rlap{\raisebox{.2ex}[0pt]{\textunderscore}}%
    \fi
    \textunderscore
  \endgroup
```

```
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textdiv}{%
  \TextSymbolUnavailable\textdiv
}
\ProvideTextCommandDefault{\texteuro}{%
  \TextSymbolUnavailable\texteuro
}
\ProvideTextCommandDefault{\textflorin}{%
  \textit{f}%
}
\ProvideTextCommandDefault{\textlnot}{%
  \ensuremath\lnot
}
\ProvideTextCommandDefault{\textmu}{%
  \ensuremath\mu
}
\ProvideTextCommandDefault{\textonehalf}{%
  \ensuremath{\frac12}%
}
\ProvideTextCommandDefault{\textonequarter}{%
  \ensuremath{\frac14}%
}
\ProvideTextCommandDefault{\textonesuperior}{%
  \ensuremath{{^1}}%
}
\ProvideTextCommandDefault{\textpm}{%
  \ensuremath\pm
}
\ProvideTextCommandDefault{\textthreequarters}{%
  \ensuremath{\frac34}%
}
\ProvideTextCommandDefault{\textthreesuperior}{%
  \ensuremath{{^3}}%
}
\ProvideTextCommandDefault{\texttimes}{%
  \ensuremath\times
}
\ProvideTextCommandDefault{\texttwosuperior}{%
  \ensuremath{{^2}}%
}
\ProvideTextCommandDefault{\textyen}{%
  \TextSymbolUnavailable\textyen
}
\DeclareInputText{128}{\c C}
\DeclareInputText{129}{\"u}
\DeclareInputText{130}{\@tabacckludge'e}
\DeclareInputText{131}{\^a}
\DeclareInputText{132}{\"a}
\DeclareInputText{133}{\@tabacckludge`a}
\DeclareInputText{134}{\r a}
\DeclareInputText{135}{\c c}
\DeclareInputText{136}{\^e}
\DeclareInputText{137}{\"e}
\DeclareInputText{138}{\@tabacckludge`e}
\DeclareInputText{139}{\"\i}
\DeclareInputText{140}{\^\i}
\DeclareInputText{141}{\@tabacckludge`\i}
\DeclareInputText{142}{\"A}
\DeclareInputText{143}{\r A}
```

```
\DeclareInputText{144}{\@tabacckludge'E}
\DeclareInputText{145}{\ae}
\DeclareInputText{146}{\AE}
\DeclareInputText{147}{\^o}
\DeclareInputText{148}{\"o}
\DeclareInputText{149}{\@tabacckludge`o}
\DeclareInputText{150}{\^u}
\DeclareInputText{151}{\@tabacckludge`u}
\DeclareInputText{152}{\"y}
\DeclareInputText{153}{\"O}
\DeclareInputText{154}{\"U}
\DeclareInputText{155}{\o}
\DeclareInputText{156}{\textsterling}
\DeclareInputText{157}{\O}
\DeclareInputText{158}{\texttimes}
\DeclareInputText{159}{\textflorin}
\DeclareInputText{160}{\@tabacckludge'a}
\DeclareInputText{161}{\@tabacckludge'\i}
\DeclareInputText{162}{\@tabacckludge'o}
\DeclareInputText{163}{\@tabacckludge'u}
\DeclareInputText{164}{\~n}
\DeclareInputText{165}{\~N}
\DeclareInputText{166}{\textordfeminine}
\DeclareInputText{167}{\textordmasculine}
\DeclareInputText{168}{\textquestiondown}
\DeclareInputText{169}{\textregistered}
\DeclareInputText{170}{\textlnot}
\DeclareInputText{171}{\textonehalf}
\DeclareInputText{172}{\textonequarter}
\DeclareInputText{173}{\textexclamdown}
\DeclareInputText{174}{\guillemotleft}
\DeclareInputText{175}{\guillemotright}
\DeclareInputText{176}{\textltshade}
\DeclareInputText{177}{\textshade}
\DeclareInputText{178}{\textdkshade}
\DeclareInputText{179}{\textSFxi}
\DeclareInputText{180}{\textSFix}
\DeclareInputText{181}{\@tabacckludge'A}
\DeclareInputText{182}{\^A}
\DeclareInputText{183}{\@tabacckludge`A}
\DeclareInputText{184}{\textcopyright}
\DeclareInputText{185}{\textSFxxiii}
\DeclareInputText{186}{\textSFxxiv}
\DeclareInputText{187}{\textSFxxv}
\DeclareInputText{188}{\textSFxxvi}
\DeclareInputText{189}{\textcent}
\DeclareInputText{190}{\textyen}
\DeclareInputText{191}{\textSFiii}
\DeclareInputText{192}{\textSFii}
\DeclareInputText{193}{\textSFvii}
\DeclareInputText{194}{\textSFvi}
\DeclareInputText{195}{\textSFviii}
\DeclareInputText{196}{\textSFx}
\DeclareInputText{197}{\textSFv}
\DeclareInputText{198}{\~a}
\DeclareInputText{199}{\~A}
\DeclareInputText{200}{\textSFxxxviii}
\DeclareInputText{201}{\textSFxxxix}
\DeclareInputText{202}{\textSFxl}
\DeclareInputText{203}{\textSFxli}
\DeclareInputText{204}{\textSFxlii}
\DeclareInputText{205}{\textSFxliii}
```

```
\DeclareInputText{206}{\textSFxliv}
\DeclareInputText{207}{\textcurrency}
\DeclareInputText{208}{\dh}
\DeclareInputText{209}{\DH}
\DeclareInputText{210}{\^E}
\DeclareInputText{211}{\"E}
\DeclareInputText{212}{\@tabacckludge`E}
\DeclareInputText{213}{\texteuro}
\DeclareInputText{214}{\@tabacckludge'I}
\DeclareInputText{215}{\^I}
\DeclareInputText{216}{\"I}
\DeclareInputText{217}{\textSFiv}
\DeclareInputText{218}{\textSFi}
\DeclareInputText{219}{\textblock}
\DeclareInputText{220}{\textdnblock}
\DeclareInputText{221}{\textbrokenbar}
\DeclareInputText{222}{\@tabacckludge`I}
\DeclareInputText{223}{\textupblock}
\DeclareInputText{224}{\@tabacckludge'O}
\DeclareInputText{225}{\ss}
\DeclareInputText{226}{\^O}
\DeclareInputText{227}{\@tabacckludge`O}
\DeclareInputText{228}{\~o}
\DeclareInputText{229}{\~O}
\DeclareInputText{230}{\textmu}
\DeclareInputText{231}{\th}
\DeclareInputText{232}{\TH}
\DeclareInputText{233}{\@tabacckludge'U}
\DeclareInputText{234}{\^U}
\DeclareInputText{235}{\@tabacckludge`U}
\DeclareInputText{236}{\@tabacckludge'y}
\DeclareInputText{237}{\@tabacckludge'Y}
\DeclareInputText{238}{\textasciimacron}
\DeclareInputText{239}{\textasciiacute}
\DeclareInputText{240}{\-}
\DeclareInputText{241}{\textpm}
\DeclareInputText{242}{\textdbllowline}
\DeclareInputText{243}{\textthreequarters}
\DeclareInputText{244}{\textparagraph}
\DeclareInputText{245}{\textsection}
\DeclareInputText{246}{\textdiv}
\DeclareInputText{247}{\c\ }
\DeclareInputText{248}{\textdegree}
\DeclareInputText{249}{\textasciidieresis}
\DeclareInputText{250}{\textperiodcentered}
\DeclareInputText{251}{\textonesuperior}
\DeclareInputText{252}{\textthreesuperior}
\DeclareInputText{253}{\texttwosuperior}
\DeclareInputText{254}{\textblacksquare}
\DeclareInputText{255}{\nobreakspace}
\RestoreAtCatcode
⟨/cp858⟩
```

2.5.21 Encoding cp865

```
⟨*cp865⟩
\ProvidesFile{x-cp865.def}%
  [2016/05/16 v1.11 Input encoding cp865 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textGamma}{%
  \ensuremath\Gamma
}
\ProvideTextCommandDefault{\textOmega}{%
```

```
  \ensuremath\Omega
}
\ProvideTextCommandDefault{\textPhi}{%
  \ensuremath\Phi
}
\ProvideTextCommandDefault{\textSigma}{%
  \ensuremath\Sigma
}
\ProvideTextCommandDefault{\textTheta}{%
  \ensuremath\Theta
}
\ProvideTextCommandDefault{\textalpha}{%
  \ensuremath\alpha
}
\ProvideTextCommandDefault{\textapproxequal}{%
  \ensuremath\approx
}
\ProvideTextCommandDefault{\textblacksquare}{%
  \vrule \@width .3em \@height .4em \@depth -.1em\relax
}
\ProvideTextCommandDefault{\textcurrency}{%
  \TextSymbolUnavailable\textcurrency
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textdelta}{%
  \ensuremath\delta
}
\ProvideTextCommandDefault{\textdiv}{%
  \TextSymbolUnavailable\textdiv
}
\ProvideTextCommandDefault{\textepsilon}{%
  \ensuremath\varepsilon
}
\ProvideTextCommandDefault{\textequivalence}{%
  \ensuremath\equiv
}
\ProvideTextCommandDefault{\textflorin}{%
  \textit{f}%
}
\ProvideTextCommandDefault{\textgreaterequal}{%
  \ensuremath\geq
}
\ProvideTextCommandDefault{\textinfinity}{%
  \ensuremath\infty
}
\ProvideTextCommandDefault{\textintersection}{%
  \ensuremath\cap
}
\ProvideTextCommandDefault{\textlessequal}{%
  \ensuremath\leq
}
\ProvideTextCommandDefault{\textlnot}{%
  \ensuremath\lnot
}
\ProvideTextCommandDefault{\textmu}{%
  \ensuremath\mu
}
\ProvideTextCommandDefault{\textnsuperior}{%
  \ensuremath{{^n}}%
}
```

```
\ProvideTextCommandDefault{\textonehalf}{%
  \ensuremath{\frac12}%
}
\ProvideTextCommandDefault{\textonequarter}{%
  \ensuremath{\frac14}%
}
\ProvideTextCommandDefault{\textpeseta}{%
  Pt%
}
\ProvideTextCommandDefault{\textphi}{%
  \ensuremath\phi
}
\ProvideTextCommandDefault{\textpi}{%
  \ensuremath\pi
}
\ProvideTextCommandDefault{\textpm}{%
  \ensuremath\pm
}
\ProvideTextCommandDefault{\textrevlogicalnot}{%
  \begingroup
    \@ifundefined{reflectbox}{%
      \TextSymbolUnavailable\textrevlogicalnot
    }{%
      \def\@revlogicalnot##1##2{%
        \reflectbox{$##1##2$}%
      }%
      \ensuremath{\mathpalette\@revlogicalnot\lnot}%
    }%
  \endgroup
}
\ProvideTextCommandDefault{\textsigma}{%
  \ensuremath\sigma
}
\ProvideTextCommandDefault{\textsurd}{%
  \ensuremath\surd
}
\ProvideTextCommandDefault{\texttau}{%
  \ensuremath\tau
}
\ProvideTextCommandDefault{\texttwosuperior}{%
  \ensuremath{{^2}}%
}
\DeclareInputText{128}{\c C}
\DeclareInputText{129}{\"u}
\DeclareInputText{130}{\@tabaccludge'e}
\DeclareInputText{131}{\^a}
\DeclareInputText{132}{\"a}
\DeclareInputText{133}{\@tabaccludge`a}
\DeclareInputText{134}{\r a}
\DeclareInputText{135}{\c c}
\DeclareInputText{136}{\^e}
\DeclareInputText{137}{\"e}
\DeclareInputText{138}{\@tabaccludge`e}
\DeclareInputText{139}{\"\i}
\DeclareInputText{140}{\^\i}
\DeclareInputText{141}{\@tabaccludge`\i}
\DeclareInputText{142}{\"A}
\DeclareInputText{143}{\r A}
\DeclareInputText{144}{\@tabaccludge'E}
\DeclareInputText{145}{\ae}
\DeclareInputText{146}{\AE}
\DeclareInputText{147}{\^o}
```

```
\DeclareInputText{148}{\"o}
\DeclareInputText{149}{\@tabacckludge`o}
\DeclareInputText{150}{\^u}
\DeclareInputText{151}{\@tabacckludge`u}
\DeclareInputText{152}{\"y}
\DeclareInputText{153}{\"O}
\DeclareInputText{154}{\"U}
\DeclareInputText{155}{\o}
\DeclareInputText{156}{\textsterling}
\DeclareInputText{157}{\O}
\DeclareInputText{158}{\textpeseta}
\DeclareInputText{159}{\textflorin}
\DeclareInputText{160}{\@tabacckludge'a}
\DeclareInputText{161}{\@tabacckludge'\i}
\DeclareInputText{162}{\@tabacckludge'o}
\DeclareInputText{163}{\@tabacckludge'u}
\DeclareInputText{164}{\~n}
\DeclareInputText{165}{\~N}
\DeclareInputText{166}{\textordfeminine}
\DeclareInputText{167}{\textordmasculine}
\DeclareInputText{168}{\textquestiondown}
\DeclareInputText{169}{\textrevlogicalnot}
\DeclareInputText{170}{\textlnot}
\DeclareInputText{171}{\textonehalf}
\DeclareInputText{172}{\textonequarter}
\DeclareInputText{173}{\textexclamdown}
\DeclareInputText{174}{\guillemotleft}
\DeclareInputText{175}{\textcurrency}
\DeclareInputText{176}{\textltshade}
\DeclareInputText{177}{\textshade}
\DeclareInputText{178}{\textdkshade}
\DeclareInputText{179}{\textSFxi}
\DeclareInputText{180}{\textSFix}
\DeclareInputText{181}{\textSFxix}
\DeclareInputText{182}{\textSFxx}
\DeclareInputText{183}{\textSFxxi}
\DeclareInputText{184}{\textSFxxii}
\DeclareInputText{185}{\textSFxxiii}
\DeclareInputText{186}{\textSFxxiv}
\DeclareInputText{187}{\textSFxxv}
\DeclareInputText{188}{\textSFxxvi}
\DeclareInputText{189}{\textSFxxvii}
\DeclareInputText{190}{\textSFxxviii}
\DeclareInputText{191}{\textSFiii}
\DeclareInputText{192}{\textSFii}
\DeclareInputText{193}{\textSFvii}
\DeclareInputText{194}{\textSFvi}
\DeclareInputText{195}{\textSFviii}
\DeclareInputText{196}{\textSFx}
\DeclareInputText{197}{\textSFv}
\DeclareInputText{198}{\textSFxxxvi}
\DeclareInputText{199}{\textSFxxxvii}
\DeclareInputText{200}{\textSFxxxviii}
\DeclareInputText{201}{\textSFxxxix}
\DeclareInputText{202}{\textSFxl}
\DeclareInputText{203}{\textSFxli}
\DeclareInputText{204}{\textSFxlii}
\DeclareInputText{205}{\textSFxliii}
\DeclareInputText{206}{\textSFxliv}
\DeclareInputText{207}{\textSFxlv}
\DeclareInputText{208}{\textSFxlvi}
\DeclareInputText{209}{\textSFxlvii}
```

```
\DeclareInputText{210}{\textSFxlviii}
\DeclareInputText{211}{\textSFxlix}
\DeclareInputText{212}{\textSFl}
\DeclareInputText{213}{\textSFli}
\DeclareInputText{214}{\textSFlii}
\DeclareInputText{215}{\textSFliii}
\DeclareInputText{216}{\textSFliv}
\DeclareInputText{217}{\textSFiv}
\DeclareInputText{218}{\textSFi}
\DeclareInputText{219}{\textblock}
\DeclareInputText{220}{\textdnblock}
\DeclareInputText{221}{\textlfblock}
\DeclareInputText{222}{\textrtblock}
\DeclareInputText{223}{\textupblock}
\DeclareInputText{224}{\textalpha}
\DeclareInputText{225}{\ss}
\DeclareInputText{226}{\textGamma}
\DeclareInputText{227}{\textpi}
\DeclareInputText{228}{\textSigma}
\DeclareInputText{229}{\textsigma}
\DeclareInputText{230}{\textmu}
\DeclareInputText{231}{\texttau}
\DeclareInputText{232}{\textPhi}
\DeclareInputText{233}{\textTheta}
\DeclareInputText{234}{\textOmega}
\DeclareInputText{235}{\textdelta}
\DeclareInputText{236}{\textinfinity}
\DeclareInputText{237}{\textphi}
\DeclareInputText{238}{\textepsilon}
\DeclareInputText{239}{\textintersection}
\DeclareInputText{240}{\textequivalence}
\DeclareInputText{241}{\textpm}
\DeclareInputText{242}{\textgreaterequal}
\DeclareInputText{243}{\textlessequal}
\DeclareInputText{246}{\textdiv}
\DeclareInputText{247}{\textapproxequal}
\DeclareInputText{248}{\textdegree}
\DeclareInputText{249}{\textbullet}
\DeclareInputText{250}{\textperiodcentered}
\DeclareInputText{251}{\textsurd}
\DeclareInputText{252}{\textnsuperior}
\DeclareInputText{253}{\texttwosuperior}
\DeclareInputText{254}{\textblacksquare}
\DeclareInputText{255}{\nobreakspace}
\RestoreAtCatcode
⟨/cp865⟩
```

2.5.22 Encoding cp866

```
⟨*cp866⟩
\ProvidesFile{x-cp866.def}%
  [2016/05/16 v1.11 Input encoding cp866 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textblacksquare}{%
  \vrule \@width .3em \@height .4em \@depth -.1em\relax
}
\ProvideTextCommandDefault{\textcurrency}{%
  \TextSymbolUnavailable\textcurrency
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textnumero}{%
```

```
  N%
  \bgroup
    \check@mathfonts
    \fontsize\sf@size\z@
    \math@fontsfalse
    \selectfont
    \ooalign{%
      \raise0.5ex\hbox{o}%
      \crcr
      \hline
    }%
  \egroup
}
\ProvideTextCommandDefault{\textsurd}{%
  \ensuremath\surd
}
\DeclareInputText{128}{\CYRA}
\DeclareInputText{129}{\CYRB}
\DeclareInputText{130}{\CYRV}
\DeclareInputText{131}{\CYRG}
\DeclareInputText{132}{\CYRD}
\DeclareInputText{133}{\CYRE}
\DeclareInputText{134}{\CYRZH}
\DeclareInputText{135}{\CYRZ}
\DeclareInputText{136}{\CYRI}
\DeclareInputText{137}{\CYRISHRT}
\DeclareInputText{138}{\CYRK}
\DeclareInputText{139}{\CYRL}
\DeclareInputText{140}{\CYRM}
\DeclareInputText{141}{\CYRN}
\DeclareInputText{142}{\CYRO}
\DeclareInputText{143}{\CYRP}
\DeclareInputText{144}{\CYRR}
\DeclareInputText{145}{\CYRS}
\DeclareInputText{146}{\CYRT}
\DeclareInputText{147}{\CYRU}
\DeclareInputText{148}{\CYRF}
\DeclareInputText{149}{\CYRH}
\DeclareInputText{150}{\CYRC}
\DeclareInputText{151}{\CYRCH}
\DeclareInputText{152}{\CYRSH}
\DeclareInputText{153}{\CYRSHCH}
\DeclareInputText{154}{\CYRHRDSN}
\DeclareInputText{155}{\CYRERY}
\DeclareInputText{156}{\CYRSFTSN}
\DeclareInputText{157}{\CYREREV}
\DeclareInputText{158}{\CYRYU}
\DeclareInputText{159}{\CYRYA}
\DeclareInputText{160}{\cyra}
\DeclareInputText{161}{\cyrb}
\DeclareInputText{162}{\cyrv}
\DeclareInputText{163}{\cyrg}
\DeclareInputText{164}{\cyrd}
\DeclareInputText{165}{\cyre}
\DeclareInputText{166}{\cyrzh}
\DeclareInputText{167}{\cyrz}
\DeclareInputText{168}{\cyri}
\DeclareInputText{169}{\cyrishrt}
\DeclareInputText{170}{\cyrk}
\DeclareInputText{171}{\cyrl}
\DeclareInputText{172}{\cyrm}
\DeclareInputText{173}{\cyrn}
```

```
\DeclareInputText{174}{\cyro}
\DeclareInputText{175}{\cyrp}
\DeclareInputText{176}{\textltshade}
\DeclareInputText{177}{\textshade}
\DeclareInputText{178}{\textdkshade}
\DeclareInputText{179}{\textSFxi}
\DeclareInputText{180}{\textSFix}
\DeclareInputText{181}{\textSFxix}
\DeclareInputText{182}{\textSFxx}
\DeclareInputText{183}{\textSFxxi}
\DeclareInputText{184}{\textSFxxii}
\DeclareInputText{185}{\textSFxxiii}
\DeclareInputText{186}{\textSFxxiv}
\DeclareInputText{187}{\textSFxxv}
\DeclareInputText{188}{\textSFxxvi}
\DeclareInputText{189}{\textSFxxvii}
\DeclareInputText{190}{\textSFxxviii}
\DeclareInputText{191}{\textSFiii}
\DeclareInputText{192}{\textSFii}
\DeclareInputText{193}{\textSFvii}
\DeclareInputText{194}{\textSFvi}
\DeclareInputText{195}{\textSFviii}
\DeclareInputText{196}{\textSFx}
\DeclareInputText{197}{\textSFv}
\DeclareInputText{198}{\textSFxxxvi}
\DeclareInputText{199}{\textSFxxxvii}
\DeclareInputText{200}{\textSFxxxviii}
\DeclareInputText{201}{\textSFxxxix}
\DeclareInputText{202}{\textSFxl}
\DeclareInputText{203}{\textSFxli}
\DeclareInputText{204}{\textSFxlii}
\DeclareInputText{205}{\textSFxliii}
\DeclareInputText{206}{\textSFxliv}
\DeclareInputText{207}{\textSFxlv}
\DeclareInputText{208}{\textSFxlvi}
\DeclareInputText{209}{\textSFxlvii}
\DeclareInputText{210}{\textSFxlviii}
\DeclareInputText{211}{\textSFxlix}
\DeclareInputText{212}{\textSFl}
\DeclareInputText{213}{\textSFli}
\DeclareInputText{214}{\textSFlii}
\DeclareInputText{215}{\textSFliii}
\DeclareInputText{216}{\textSFliv}
\DeclareInputText{217}{\textSFiv}
\DeclareInputText{218}{\textSFi}
\DeclareInputText{219}{\textblock}
\DeclareInputText{220}{\textdnblock}
\DeclareInputText{221}{\textlfblock}
\DeclareInputText{222}{\textrtblock}
\DeclareInputText{223}{\textupblock}
\DeclareInputText{224}{\cyrr}
\DeclareInputText{225}{\cyrs}
\DeclareInputText{226}{\cyrt}
\DeclareInputText{227}{\cyru}
\DeclareInputText{228}{\cyrf}
\DeclareInputText{229}{\cyrh}
\DeclareInputText{230}{\cyrc}
\DeclareInputText{231}{\cyrch}
\DeclareInputText{232}{\cyrsh}
\DeclareInputText{233}{\cyrshch}
\DeclareInputText{234}{\cyrhrdsn}
\DeclareInputText{235}{\cyrery}
```

```
\DeclareInputText{236}{\cyrsftsn}
\DeclareInputText{237}{\cyrerev}
\DeclareInputText{238}{\cyryu}
\DeclareInputText{239}{\cyrya}
\DeclareInputText{240}{\CYRYO}
\DeclareInputText{241}{\cyryo}
\DeclareInputText{242}{\CYRIE}
\DeclareInputText{243}{\cyrie}
\DeclareInputText{244}{\CYRYI}
\DeclareInputText{245}{\cyryi}
\DeclareInputText{246}{\CYRUSHRT}
\DeclareInputText{247}{\cyrushrt}
\DeclareInputText{248}{\textdegree}
\DeclareInputText{249}{\textbullet}
\DeclareInputText{250}{\textperiodcentered}
\DeclareInputText{251}{\textsurd}
\DeclareInputText{252}{\textnumero}
\DeclareInputText{253}{\textcurrency}
\DeclareInputText{254}{\textblacksquare}
\DeclareInputText{255}{\nobreakspace}
\RestoreAtCatcode
⟨/cp866⟩
```

2.5.23 Encoding cp1250

```
⟨*cp1250⟩
\ProvidesFile{x-cp1250.def}%
  [2016/05/16 v1.11 Input encoding cp1250 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textacutedbl}{%
  \H{}%
}
\ProvideTextCommandDefault{\textasciiacute}{%
  \@tabacckludge'{}%
}
\ProvideTextCommandDefault{\textasciibreve}{%
  \u{}%
}
\ProvideTextCommandDefault{\textasciicaron}{%
  \v{}%
}
\ProvideTextCommandDefault{\textasciidieresis}{%
  \"{}%
}
\ProvideTextCommandDefault{\textbrokenbar}{%
  \TextSymbolUnavailable\textbrokenbar
}
\ProvideTextCommandDefault{\textcurrency}{%
  \TextSymbolUnavailable\textcurrency
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textdiv}{%
  \TextSymbolUnavailable\textdiv
}
\ProvideTextCommandDefault{\texteuro}{%
  \TextSymbolUnavailable\texteuro
}
\ProvideTextCommandDefault{\textlnot}{%
  \ensuremath\lnot
}
\ProvideTextCommandDefault{\textmu}{%
```

```
  \ensuremath\mu
}
\ProvideTextCommandDefault{\textpm}{%
  \ensuremath\pm
}
\ProvideTextCommandDefault{\texttimes}{%
  \ensuremath\times
}
\DeclareInputText{128}{\texteuro}
\DeclareInputText{130}{\quotesinglbase}
\DeclareInputText{132}{\quotedblbase}
\DeclareInputText{133}{\textellipsis}
\DeclareInputText{134}{\textdagger}
\DeclareInputText{135}{\textdaggerdbl}
\DeclareInputText{137}{\textperthousand}
\DeclareInputText{138}{\v S}
\DeclareInputText{139}{\guilsinglleft}
\DeclareInputText{140}{\@tabacckludge'S}
\DeclareInputText{141}{\v T}
\DeclareInputText{142}{\v Z}
\DeclareInputText{143}{\@tabacckludge'Z}
\DeclareInputText{145}{\textquoteleft}
\DeclareInputText{146}{\textquoteright}
\DeclareInputText{147}{\textquotedblleft}
\DeclareInputText{148}{\textquotedblright}
\DeclareInputText{149}{\textbullet}
\DeclareInputText{150}{\textendash}
\DeclareInputText{151}{\textemdash}
\DeclareInputText{153}{\texttrademark}
\DeclareInputText{154}{\v s}
\DeclareInputText{155}{\guilsinglright}
\DeclareInputText{156}{\@tabacckludge's}
\DeclareInputText{157}{\v t}
\DeclareInputText{158}{\v z}
\DeclareInputText{159}{\@tabacckludge'z}
\DeclareInputText{160}{\nobreakspace}
\DeclareInputText{161}{\textasciicaron}
\DeclareInputText{162}{\textasciibreve}
\DeclareInputText{163}{\L}
\DeclareInputText{164}{\textcurrency}
\DeclareInputText{165}{\k A}
\DeclareInputText{166}{\textbrokenbar}
\DeclareInputText{167}{\textsection}
\DeclareInputText{168}{\textasciidieresis}
\DeclareInputText{169}{\textcopyright}
\DeclareInputText{170}{\c S}
\DeclareInputText{171}{\guillemotleft}
\DeclareInputText{172}{\textlnot}
\DeclareInputText{173}{\-}
\DeclareInputText{174}{\textregistered}
\DeclareInputText{175}{\.Z}
\DeclareInputText{176}{\textdegree}
\DeclareInputText{177}{\textpm}
\DeclareInputText{178}{\k{}}
\DeclareInputText{179}{\l}
\DeclareInputText{180}{\textasciiacute}
\DeclareInputText{181}{\textmu}
\DeclareInputText{182}{\textparagraph}
\DeclareInputText{183}{\textperiodcentered}
\DeclareInputText{184}{\c\ }
\DeclareInputText{185}{\k a}
\DeclareInputText{186}{\c s}
```

```
\DeclareInputText{187}{\guillemotright}
\DeclareInputText{188}{\v L}
\DeclareInputText{189}{\textacutedbl}
\DeclareInputText{190}{\v l}
\DeclareInputText{191}{\.z}
\DeclareInputText{192}{\@tabacckludge'R}
\DeclareInputText{193}{\@tabacckludge'A}
\DeclareInputText{194}{\^A}
\DeclareInputText{195}{\u A}
\DeclareInputText{196}{\"A}
\DeclareInputText{197}{\@tabacckludge'L}
\DeclareInputText{198}{\@tabacckludge'C}
\DeclareInputText{199}{\c C}
\DeclareInputText{200}{\v C}
\DeclareInputText{201}{\@tabacckludge'E}
\DeclareInputText{202}{\k E}
\DeclareInputText{203}{\"E}
\DeclareInputText{204}{\v E}
\DeclareInputText{205}{\@tabacckludge'I}
\DeclareInputText{206}{\^I}
\DeclareInputText{207}{\v D}
\DeclareInputText{208}{\DJ}
\DeclareInputText{209}{\@tabacckludge'N}
\DeclareInputText{210}{\v N}
\DeclareInputText{211}{\@tabacckludge'O}
\DeclareInputText{212}{\^O}
\DeclareInputText{213}{\H O}
\DeclareInputText{214}{\"O}
\DeclareInputText{215}{\texttimes}
\DeclareInputText{216}{\v R}
\DeclareInputText{217}{\r U}
\DeclareInputText{218}{\@tabacckludge'U}
\DeclareInputText{219}{\H U}
\DeclareInputText{220}{\"U}
\DeclareInputText{221}{\@tabacckludge'Y}
\DeclareInputText{222}{\c T}
\DeclareInputText{223}{\ss}
\DeclareInputText{224}{\@tabacckludge'r}
\DeclareInputText{225}{\@tabacckludge'a}
\DeclareInputText{226}{\^a}
\DeclareInputText{227}{\u a}
\DeclareInputText{228}{\"a}
\DeclareInputText{229}{\@tabacckludge'l}
\DeclareInputText{230}{\@tabacckludge'c}
\DeclareInputText{231}{\c c}
\DeclareInputText{232}{\v c}
\DeclareInputText{233}{\@tabacckludge'e}
\DeclareInputText{234}{\k e}
\DeclareInputText{235}{\"e}
\DeclareInputText{236}{\v e}
\DeclareInputText{237}{\@tabacckludge'\i}
\DeclareInputText{238}{\^\i}
\DeclareInputText{239}{\v d}
\DeclareInputText{240}{\dj}
\DeclareInputText{241}{\@tabacckludge'n}
\DeclareInputText{242}{\v n}
\DeclareInputText{243}{\@tabacckludge'o}
\DeclareInputText{244}{\^o}
\DeclareInputText{245}{\H o}
\DeclareInputText{246}{\"o}
\DeclareInputText{247}{\textdiv}
\DeclareInputText{248}{\v r}
```

```
\DeclareInputText{249}{\r u}
\DeclareInputText{250}{\@tabacckludge'u}
\DeclareInputText{251}{\H u}
\DeclareInputText{252}{\"u}
\DeclareInputText{253}{\@tabacckludge'y}
\DeclareInputText{254}{\c t}
\DeclareInputText{255}{\.{}}
\RestoreAtCatcode
⟨/cp1250⟩
```

2.5.24 Encoding cp1251

```
⟨*cp1251⟩
\ProvidesFile{x-cp1251.def}%
  [2016/05/16 v1.11 Input encoding cp1251 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textbrokenbar}{%
  \TextSymbolUnavailable\textbrokenbar
}
\ProvideTextCommandDefault{\textcurrency}{%
  \TextSymbolUnavailable\textcurrency
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\texteuro}{%
  \TextSymbolUnavailable\texteuro
}
\ProvideTextCommandDefault{\textlnot}{%
  \ensuremath\lnot
}
\ProvideTextCommandDefault{\textmu}{%
  \ensuremath\mu
}
\ProvideTextCommandDefault{\textnumero}{%
  N%
  \bgroup
    \check@mathfonts
    \fontsize\sf@size\z@
    \math@fontsfalse
    \selectfont
    \ooalign{%
      \raise0.5ex\hbox{o}%
      \crcr
      \hline
    }%
  \egroup
}
\ProvideTextCommandDefault{\textpm}{%
  \ensuremath\pm
}
\DeclareInputText{128}{\CYRDJE}
\DeclareInputText{129}{\@tabacckludge'\CYRG}
\DeclareInputText{130}{\quotesinglbase}
\DeclareInputText{131}{\@tabacckludge'\cyrg}
\DeclareInputText{132}{\quotedblbase}
\DeclareInputText{133}{\textellipsis}
\DeclareInputText{134}{\textdagger}
\DeclareInputText{135}{\textdaggerdbl}
\DeclareInputText{136}{\texteuro}
\DeclareInputText{137}{\textperthousand}
\DeclareInputText{138}{\CYRLJE}
\DeclareInputText{139}{\guilsinglleft}
```

```
\DeclareInputText{140}{\CYRNJE}
\DeclareInputText{141}{\@tabacckludge'\CYRK}
\DeclareInputText{142}{\CYRTSHE}
\DeclareInputText{143}{\CYRDZHE}
\DeclareInputText{144}{\cyrdje}
\DeclareInputText{145}{\textquoteleft}
\DeclareInputText{146}{\textquoteright}
\DeclareInputText{147}{\textquotedblleft}
\DeclareInputText{148}{\textquotedblright}
\DeclareInputText{149}{\textbullet}
\DeclareInputText{150}{\textendash}
\DeclareInputText{151}{\textemdash}
\DeclareInputText{153}{\texttrademark}
\DeclareInputText{154}{\cyrlje}
\DeclareInputText{155}{\guilsinglright}
\DeclareInputText{156}{\cyrnje}
\DeclareInputText{157}{\@tabacckludge'\cyrk}
\DeclareInputText{158}{\cyrtshe}
\DeclareInputText{159}{\cyrdzhe}
\DeclareInputText{160}{\nobreakspace}
\DeclareInputText{161}{\CYRUSHRT}
\DeclareInputText{162}{\cyrushrt}
\DeclareInputText{163}{\CYRJE}
\DeclareInputText{164}{\textcurrency}
\DeclareInputText{165}{\CYRGUP}
\DeclareInputText{166}{\textbrokenbar}
\DeclareInputText{167}{\textsection}
\DeclareInputText{168}{\CYRYO}
\DeclareInputText{169}{\textcopyright}
\DeclareInputText{170}{\CYRIE}
\DeclareInputText{171}{\guillemotleft}
\DeclareInputText{172}{\textlnot}
\DeclareInputText{173}{\-}
\DeclareInputText{174}{\textregistered}
\DeclareInputText{175}{\CYRYI}
\DeclareInputText{176}{\textdegree}
\DeclareInputText{177}{\textpm}
\DeclareInputText{178}{\CYRII}
\DeclareInputText{179}{\cyrii}
\DeclareInputText{180}{\cyrgup}
\DeclareInputText{181}{\textmu}
\DeclareInputText{182}{\textparagraph}
\DeclareInputText{183}{\textperiodcentered}
\DeclareInputText{184}{\cyryo}
\DeclareInputText{185}{\textnumero}
\DeclareInputText{186}{\cyrie}
\DeclareInputText{187}{\guillemotright}
\DeclareInputText{188}{\cyrje}
\DeclareInputText{189}{\CYRDZE}
\DeclareInputText{190}{\cyrdze}
\DeclareInputText{191}{\cyryi}
\DeclareInputText{192}{\CYRA}
\DeclareInputText{193}{\CYRB}
\DeclareInputText{194}{\CYRV}
\DeclareInputText{195}{\CYRG}
\DeclareInputText{196}{\CYRD}
\DeclareInputText{197}{\CYRE}
\DeclareInputText{198}{\CYRZH}
\DeclareInputText{199}{\CYRZ}
\DeclareInputText{200}{\CYRI}
\DeclareInputText{201}{\CYRISHRT}
\DeclareInputText{202}{\CYRK}
```

```
\DeclareInputText{203}{\CYRL}
\DeclareInputText{204}{\CYRM}
\DeclareInputText{205}{\CYRN}
\DeclareInputText{206}{\CYRO}
\DeclareInputText{207}{\CYRP}
\DeclareInputText{208}{\CYRR}
\DeclareInputText{209}{\CYRS}
\DeclareInputText{210}{\CYRT}
\DeclareInputText{211}{\CYRU}
\DeclareInputText{212}{\CYRF}
\DeclareInputText{213}{\CYRH}
\DeclareInputText{214}{\CYRC}
\DeclareInputText{215}{\CYRCH}
\DeclareInputText{216}{\CYRSH}
\DeclareInputText{217}{\CYRSHCH}
\DeclareInputText{218}{\CYRHRDSN}
\DeclareInputText{219}{\CYRERY}
\DeclareInputText{220}{\CYRSFTSN}
\DeclareInputText{221}{\CYREREV}
\DeclareInputText{222}{\CYRYU}
\DeclareInputText{223}{\CYRYA}
\DeclareInputText{224}{\cyra}
\DeclareInputText{225}{\cyrb}
\DeclareInputText{226}{\cyrv}
\DeclareInputText{227}{\cyrg}
\DeclareInputText{228}{\cyrd}
\DeclareInputText{229}{\cyre}
\DeclareInputText{230}{\cyrzh}
\DeclareInputText{231}{\cyrz}
\DeclareInputText{232}{\cyri}
\DeclareInputText{233}{\cyrishrt}
\DeclareInputText{234}{\cyrk}
\DeclareInputText{235}{\cyrl}
\DeclareInputText{236}{\cyrm}
\DeclareInputText{237}{\cyrn}
\DeclareInputText{238}{\cyro}
\DeclareInputText{239}{\cyrp}
\DeclareInputText{240}{\cyrr}
\DeclareInputText{241}{\cyrs}
\DeclareInputText{242}{\cyrt}
\DeclareInputText{243}{\cyru}
\DeclareInputText{244}{\cyrf}
\DeclareInputText{245}{\cyrh}
\DeclareInputText{246}{\cyrc}
\DeclareInputText{247}{\cyrch}
\DeclareInputText{248}{\cyrsh}
\DeclareInputText{249}{\cyrshch}
\DeclareInputText{250}{\cyrhrdsn}
\DeclareInputText{251}{\cyrery}
\DeclareInputText{252}{\cyrsftsn}
\DeclareInputText{253}{\cyrerev}
\DeclareInputText{254}{\cyryu}
\DeclareInputText{255}{\cyrya}
\RestoreAtCatcode
⟨/cp1251⟩
```

2.5.25 Encoding cp1252

```
⟨*cp1252⟩
\ProvidesFile{x-cp1252.def}%
  [2016/05/16 v1.11 Input encoding cp1252 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textasciiacute}{%
```

```
  \@tabacckludge'{}%
}
\ProvideTextCommandDefault{\textasciidieresis}{%
  \"{}%
}
\ProvideTextCommandDefault{\textasciimacron}{%
  \@tabacckludge={}%
}
\ProvideTextCommandDefault{\textbrokenbar}{%
  \TextSymbolUnavailable\textbrokenbar
}
\ProvideTextCommandDefault{\textcent}{%
  \TextSymbolUnavailable\textcent
}
\ProvideTextCommandDefault{\textcurrency}{%
  \TextSymbolUnavailable\textcurrency
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textdiv}{%
  \TextSymbolUnavailable\textdiv
}
\ProvideTextCommandDefault{\texteuro}{%
  \TextSymbolUnavailable\texteuro
}
\ProvideTextCommandDefault{\textflorin}{%
  \textit{f}%
}
\ProvideTextCommandDefault{\textlnot}{%
  \ensuremath\lnot
}
\ProvideTextCommandDefault{\textmu}{%
  \ensuremath\mu
}
\ProvideTextCommandDefault{\textonehalf}{%
  \ensuremath{\frac12}%
}
\ProvideTextCommandDefault{\textonequarter}{%
  \ensuremath{\frac14}%
}
\ProvideTextCommandDefault{\textonesuperior}{%
  \ensuremath{{^1}}%
}
\ProvideTextCommandDefault{\textpm}{%
  \ensuremath\pm
}
\ProvideTextCommandDefault{\textthreequarters}{%
  \ensuremath{\frac34}%
}
\ProvideTextCommandDefault{\textthreesuperior}{%
  \ensuremath{{^3}}%
}
\ProvideTextCommandDefault{\texttimes}{%
  \ensuremath\times
}
\ProvideTextCommandDefault{\texttwosuperior}{%
  \ensuremath{{^2}}%
}
\ProvideTextCommandDefault{\textyen}{%
  \TextSymbolUnavailable\textyen
}
```

```
\DeclareInputText{128}{\texteuro}
\DeclareInputText{130}{\quotesinglbase}
\DeclareInputText{131}{\textflorin}
\DeclareInputText{132}{\quotedblbase}
\DeclareInputText{133}{\textellipsis}
\DeclareInputText{134}{\textdagger}
\DeclareInputText{135}{\textdaggerdbl}
\DeclareInputText{136}{\textasciicircum}
\DeclareInputText{137}{\textperthousand}
\DeclareInputText{138}{\v S}
\DeclareInputText{139}{\guilsinglleft}
\DeclareInputText{140}{\OE}
\DeclareInputText{142}{\v Z}
\DeclareInputText{145}{\textquoteleft}
\DeclareInputText{146}{\textquoteright}
\DeclareInputText{147}{\textquotedblleft}
\DeclareInputText{148}{\textquotedblright}
\DeclareInputText{149}{\textbullet}
\DeclareInputText{150}{\textendash}
\DeclareInputText{151}{\textemdash}
\DeclareInputText{152}{\textasciitilde}
\DeclareInputText{153}{\texttrademark}
\DeclareInputText{154}{\v s}
\DeclareInputText{155}{\guilsinglright}
\DeclareInputText{156}{\oe}
\DeclareInputText{158}{\v z}
\DeclareInputText{159}{\"Y}
\DeclareInputText{160}{\nobreakspace}
\DeclareInputText{161}{\textexclamdown}
\DeclareInputText{162}{\textcent}
\DeclareInputText{163}{\textsterling}
\DeclareInputText{164}{\textcurrency}
\DeclareInputText{165}{\textyen}
\DeclareInputText{166}{\textbrokenbar}
\DeclareInputText{167}{\textsection}
\DeclareInputText{168}{\textasciidieresis}
\DeclareInputText{169}{\textcopyright}
\DeclareInputText{170}{\textordfeminine}
\DeclareInputText{171}{\guillemotleft}
\DeclareInputText{172}{\textlnot}
\DeclareInputText{173}{\-}
\DeclareInputText{174}{\textregistered}
\DeclareInputText{175}{\textasciimacron}
\DeclareInputText{176}{\textdegree}
\DeclareInputText{177}{\textpm}
\DeclareInputText{178}{\texttwosuperior}
\DeclareInputText{179}{\textthreesuperior}
\DeclareInputText{180}{\textasciiacute}
\DeclareInputText{181}{\textmu}
\DeclareInputText{182}{\textparagraph}
\DeclareInputText{183}{\textperiodcentered}
\DeclareInputText{184}{\c\ }
\DeclareInputText{185}{\textonesuperior}
\DeclareInputText{186}{\textordmasculine}
\DeclareInputText{187}{\guillemotright}
\DeclareInputText{188}{\textonequarter}
\DeclareInputText{189}{\textonehalf}
\DeclareInputText{190}{\textthreequarters}
\DeclareInputText{191}{\textquestiondown}
\DeclareInputText{192}{\@tabacckludge`A}
\DeclareInputText{193}{\@tabacckludge'A}
\DeclareInputText{194}{\^A}
```

```
\DeclareInputText{195}{\~A}
\DeclareInputText{196}{\"A}
\DeclareInputText{197}{\r A}
\DeclareInputText{198}{\AE}
\DeclareInputText{199}{\c C}
\DeclareInputText{200}{\@tabacckludge`E}
\DeclareInputText{201}{\@tabacckludge'E}
\DeclareInputText{202}{\^E}
\DeclareInputText{203}{\"E}
\DeclareInputText{204}{\@tabacckludge`I}
\DeclareInputText{205}{\@tabacckludge'I}
\DeclareInputText{206}{\^I}
\DeclareInputText{207}{\"I}
\DeclareInputText{208}{\DH}
\DeclareInputText{209}{\~N}
\DeclareInputText{210}{\@tabacckludge`O}
\DeclareInputText{211}{\@tabacckludge'O}
\DeclareInputText{212}{\^O}
\DeclareInputText{213}{\~O}
\DeclareInputText{214}{\"O}
\DeclareInputText{215}{\texttimes}
\DeclareInputText{216}{\O}
\DeclareInputText{217}{\@tabacckludge`U}
\DeclareInputText{218}{\@tabacckludge'U}
\DeclareInputText{219}{\^U}
\DeclareInputText{220}{\"U}
\DeclareInputText{221}{\@tabacckludge'Y}
\DeclareInputText{222}{\TH}
\DeclareInputText{223}{\ss}
\DeclareInputText{224}{\@tabacckludge`a}
\DeclareInputText{225}{\@tabacckludge'a}
\DeclareInputText{226}{\^a}
\DeclareInputText{227}{\~a}
\DeclareInputText{228}{\"a}
\DeclareInputText{229}{\r a}
\DeclareInputText{230}{\ae}
\DeclareInputText{231}{\c c}
\DeclareInputText{232}{\@tabacckludge`e}
\DeclareInputText{233}{\@tabacckludge'e}
\DeclareInputText{234}{\^e}
\DeclareInputText{235}{\"e}
\DeclareInputText{236}{\@tabacckludge`\i}
\DeclareInputText{237}{\@tabacckludge'\i}
\DeclareInputText{238}{\^\i}
\DeclareInputText{239}{\"\i}
\DeclareInputText{240}{\dh}
\DeclareInputText{241}{\~n}
\DeclareInputText{242}{\@tabacckludge`o}
\DeclareInputText{243}{\@tabacckludge'o}
\DeclareInputText{244}{\^o}
\DeclareInputText{245}{\~o}
\DeclareInputText{246}{\"o}
\DeclareInputText{247}{\textdiv}
\DeclareInputText{248}{\o}
\DeclareInputText{249}{\@tabacckludge`u}
\DeclareInputText{250}{\@tabacckludge'u}
\DeclareInputText{251}{\^u}
\DeclareInputText{252}{\"u}
\DeclareInputText{253}{\@tabacckludge'y}
\DeclareInputText{254}{\th}
\DeclareInputText{255}{\"y}
\RestoreAtCatcode
```

```
⟨/cp1252⟩
```

2.5.26 Encoding cp1255

```
⟨*cp1255⟩
\ProvidesFile{x-cp1255.def}%
  [2016/05/16 v1.11 Input encoding cp1255 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textasciiacute}{%
  \@tabacckludge'{}%
}
\ProvideTextCommandDefault{\textasciidieresis}{%
  \"{}%
}
\ProvideTextCommandDefault{\textasciimacron}{%
  \@tabacckludge={}%
}
\ProvideTextCommandDefault{\textbrokenbar}{%
  \TextSymbolUnavailable\textbrokenbar
}
\ProvideTextCommandDefault{\textcent}{%
  \TextSymbolUnavailable\textcent
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textdiv}{%
  \TextSymbolUnavailable\textdiv
}
\ProvideTextCommandDefault{\texteuro}{%
  \TextSymbolUnavailable\texteuro
}
\ProvideTextCommandDefault{\textflorin}{%
  \textit{f}%
}
\ProvideTextCommandDefault{\textlnot}{%
  \ensuremath\lnot
}
\ProvideTextCommandDefault{\textmu}{%
  \ensuremath\mu
}
\ProvideTextCommandDefault{\textonehalf}{%
  \ensuremath{\frac12}%
}
\ProvideTextCommandDefault{\textonequarter}{%
  \ensuremath{\frac14}%
}
\ProvideTextCommandDefault{\textonesuperior}{%
  \ensuremath{{^1}}%
}
\ProvideTextCommandDefault{\textpm}{%
  \ensuremath\pm
}
\ProvideTextCommandDefault{\textthreequarters}{%
  \ensuremath{\frac34}%
}
\ProvideTextCommandDefault{\textthreesuperior}{%
  \ensuremath{{^3}}%
}
\ProvideTextCommandDefault{\texttimes}{%
  \ensuremath\times
}
\ProvideTextCommandDefault{\texttwosuperior}{%
```

```
  \ensuremath{{^2}}%
}
\ProvideTextCommandDefault{\textyen}{%
  \TextSymbolUnavailable\textyen
}
\DeclareInputText{128}{\texteuro}
\DeclareInputText{130}{\quotesinglbase}
\DeclareInputText{131}{\textflorin}
\DeclareInputText{132}{\quotedblbase}
\DeclareInputText{133}{\textellipsis}
\DeclareInputText{134}{\textdagger}
\DeclareInputText{135}{\textdaggerdbl}
\DeclareInputText{136}{\textasciicircum}
\DeclareInputText{137}{\textperthousand}
\DeclareInputText{139}{\guilsinglleft}
\DeclareInputText{145}{\textquoteleft}
\DeclareInputText{146}{\textquoteright}
\DeclareInputText{147}{\textquotedblleft}
\DeclareInputText{148}{\textquotedblright}
\DeclareInputText{149}{\textbullet}
\DeclareInputText{150}{\textendash}
\DeclareInputText{151}{\textemdash}
\DeclareInputText{152}{\textasciitilde}
\DeclareInputText{153}{\texttrademark}
\DeclareInputText{155}{\guilsinglright}
\DeclareInputText{160}{\nobreakspace}
\DeclareInputText{161}{\textexclamdown}
\DeclareInputText{162}{\textcent}
\DeclareInputText{163}{\textsterling}
\DeclareInputText{165}{\textyen}
\DeclareInputText{166}{\textbrokenbar}
\DeclareInputText{167}{\textsection}
\DeclareInputText{168}{\textasciidieresis}
\DeclareInputText{169}{\textcopyright}
\DeclareInputText{170}{\texttimes}
\DeclareInputText{171}{\guillemotleft}
\DeclareInputText{172}{\textlnot}
\DeclareInputText{173}{\-}
\DeclareInputText{174}{\textregistered}
\DeclareInputText{175}{\textasciimacron}
\DeclareInputText{176}{\textdegree}
\DeclareInputText{177}{\textpm}
\DeclareInputText{178}{\texttwosuperior}
\DeclareInputText{179}{\textthreesuperior}
\DeclareInputText{180}{\textasciiacute}
\DeclareInputText{181}{\textmu}
\DeclareInputText{182}{\textparagraph}
\DeclareInputText{183}{\textperiodcentered}
\DeclareInputText{184}{\c\ }
\DeclareInputText{185}{\textonesuperior}
\DeclareInputText{186}{\textdiv}
\DeclareInputText{187}{\guillemotright}
\DeclareInputText{188}{\textonequarter}
\DeclareInputText{189}{\textonehalf}
\DeclareInputText{190}{\textthreequarters}
\DeclareInputText{191}{\textquestiondown}
\DeclareInputText{224}{\hebalef}
\DeclareInputText{225}{\hebbet}
\DeclareInputText{226}{\hebgimel}
\DeclareInputText{227}{\hebdalet}
\DeclareInputText{228}{\hebhe}
\DeclareInputText{229}{\hebvav}
```

```
\DeclareInputText{230}{\hebzayin}
\DeclareInputText{231}{\hebhet}
\DeclareInputText{232}{\hebtet}
\DeclareInputText{233}{\hebyod}
\DeclareInputText{234}{\hebfinalkaf}
\DeclareInputText{235}{\hebkaf}
\DeclareInputText{236}{\heblamed}
\DeclareInputText{237}{\hebfinalmem}
\DeclareInputText{238}{\hebmem}
\DeclareInputText{239}{\hebfinalnun}
\DeclareInputText{240}{\hebnun}
\DeclareInputText{241}{\hebsamekh}
\DeclareInputText{242}{\hebayin}
\DeclareInputText{243}{\hebfinalpe}
\DeclareInputText{244}{\hebpe}
\DeclareInputText{245}{\hebfinaltsadi}
\DeclareInputText{246}{\hebtsadi}
\DeclareInputText{247}{\hebqof}
\DeclareInputText{248}{\hebresh}
\DeclareInputText{249}{\hebshin}
\DeclareInputText{250}{\hebtav}
\RestoreAtCatcode
⟨/cp1255⟩
```

2.5.27 Encoding cp1257

```
⟨*cp1257⟩
\ProvidesFile{x-cp1257.def}%
  [2016/05/16 v1.11 Input encoding cp1257 (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textasciiacute}{%
  \@tabacckludge'{}%
}
\ProvideTextCommandDefault{\textasciicaron}{%
  \v{}%
}
\ProvideTextCommandDefault{\textasciidieresis}{%
  \"{}%
}
\ProvideTextCommandDefault{\textasciimacron}{%
  \@tabacckludge={}%
}
\ProvideTextCommandDefault{\textbrokenbar}{%
  \TextSymbolUnavailable\textbrokenbar
}
\ProvideTextCommandDefault{\textcent}{%
  \TextSymbolUnavailable\textcent
}
\ProvideTextCommandDefault{\textcurrency}{%
  \TextSymbolUnavailable\textcurrency
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textdiv}{%
  \TextSymbolUnavailable\textdiv
}
\ProvideTextCommandDefault{\texteuro}{%
  \TextSymbolUnavailable\texteuro
}
\ProvideTextCommandDefault{\textlnot}{%
  \ensuremath\lnot
}
```

```
\ProvideTextCommandDefault{\textmu}{%
  \ensuremath\mu
}
\ProvideTextCommandDefault{\textonehalf}{%
  \ensuremath{\frac12}%
}
\ProvideTextCommandDefault{\textonequarter}{%
  \ensuremath{\frac14}%
}
\ProvideTextCommandDefault{\textonesuperior}{%
  \ensuremath{{^1}}%
}
\ProvideTextCommandDefault{\textpm}{%
  \ensuremath\pm
}
\ProvideTextCommandDefault{\textthreequarters}{%
  \ensuremath{\frac34}%
}
\ProvideTextCommandDefault{\textthreesuperior}{%
  \ensuremath{{^3}}%
}
\ProvideTextCommandDefault{\texttimes}{%
  \ensuremath\times
}
\ProvideTextCommandDefault{\texttwosuperior}{%
  \ensuremath{{^2}}%
}
\DeclareInputText{128}{\texteuro}
\DeclareInputText{130}{\quotesinglbase}
\DeclareInputText{132}{\quotedblbase}
\DeclareInputText{133}{\textellipsis}
\DeclareInputText{134}{\textdagger}
\DeclareInputText{135}{\textdaggerdbl}
\DeclareInputText{137}{\textperthousand}
\DeclareInputText{139}{\guilsinglleft}
\DeclareInputText{141}{\textasciidieresis}
\DeclareInputText{142}{\textasciicaron}
\DeclareInputText{143}{\c\ }
\DeclareInputText{145}{\textquoteleft}
\DeclareInputText{146}{\textquoteright}
\DeclareInputText{147}{\textquotedblleft}
\DeclareInputText{148}{\textquotedblright}
\DeclareInputText{149}{\textbullet}
\DeclareInputText{150}{\textendash}
\DeclareInputText{151}{\textemdash}
\DeclareInputText{153}{\texttrademark}
\DeclareInputText{155}{\guilsinglright}
\DeclareInputText{157}{\textasciimacron}
\DeclareInputText{158}{\k{}}
\DeclareInputText{160}{\nobreakspace}
\DeclareInputText{162}{\textcent}
\DeclareInputText{163}{\textsterling}
\DeclareInputText{164}{\textcurrency}
\DeclareInputText{166}{\textbrokenbar}
\DeclareInputText{167}{\textsection}
\DeclareInputText{168}{\O}
\DeclareInputText{169}{\textcopyright}
\DeclareInputText{170}{\c R}
\DeclareInputText{171}{\guillemotleft}
\DeclareInputText{172}{\textlnot}
\DeclareInputText{173}{\-}
\DeclareInputText{174}{\textregistered}
```

```
\DeclareInputText{175}{\AE}
\DeclareInputText{176}{\textdegree}
\DeclareInputText{177}{\textpm}
\DeclareInputText{178}{\texttwosuperior}
\DeclareInputText{179}{\textthreesuperior}
\DeclareInputText{180}{\textasciiacute}
\DeclareInputText{181}{\textmu}
\DeclareInputText{182}{\textparagraph}
\DeclareInputText{183}{\textperiodcentered}
\DeclareInputText{184}{\o}
\DeclareInputText{185}{\textonesuperior}
\DeclareInputText{186}{\c r}
\DeclareInputText{187}{\guillemotright}
\DeclareInputText{188}{\textonequarter}
\DeclareInputText{189}{\textonehalf}
\DeclareInputText{190}{\textthreequarters}
\DeclareInputText{191}{\ae}
\DeclareInputText{192}{\k A}
\DeclareInputText{193}{\k I}
\DeclareInputText{194}{\@tabacckludge=A}
\DeclareInputText{195}{\@tabacckludge'C}
\DeclareInputText{196}{\"A}
\DeclareInputText{197}{\r A}
\DeclareInputText{198}{\k E}
\DeclareInputText{199}{\@tabacckludge=E}
\DeclareInputText{200}{\v C}
\DeclareInputText{201}{\@tabacckludge'E}
\DeclareInputText{202}{\@tabacckludge'Z}
\DeclareInputText{203}{\.E}
\DeclareInputText{204}{\c G}
\DeclareInputText{205}{\c K}
\DeclareInputText{206}{\@tabacckludge=I}
\DeclareInputText{207}{\c L}
\DeclareInputText{208}{\v S}
\DeclareInputText{209}{\@tabacckludge'N}
\DeclareInputText{210}{\c N}
\DeclareInputText{211}{\@tabacckludge'O}
\DeclareInputText{212}{\@tabacckludge=O}
\DeclareInputText{213}{\~O}
\DeclareInputText{214}{\"O}
\DeclareInputText{215}{\texttimes}
\DeclareInputText{216}{\k U}
\DeclareInputText{217}{\L}
\DeclareInputText{218}{\@tabacckludge'S}
\DeclareInputText{219}{\@tabacckludge=U}
\DeclareInputText{220}{\"U}
\DeclareInputText{221}{\.Z}
\DeclareInputText{222}{\v Z}
\DeclareInputText{223}{\ss}
\DeclareInputText{224}{\k a}
\DeclareInputText{225}{\k i}
\DeclareInputText{226}{\@tabacckludge=a}
\DeclareInputText{227}{\@tabacckludge'c}
\DeclareInputText{228}{\"a}
\DeclareInputText{229}{\r a}
\DeclareInputText{230}{\k e}
\DeclareInputText{231}{\@tabacckludge=e}
\DeclareInputText{232}{\v c}
\DeclareInputText{233}{\@tabacckludge'e}
\DeclareInputText{234}{\@tabacckludge'z}
\DeclareInputText{235}{\.e}
\DeclareInputText{236}{\c g}
```

```
\DeclareInputText{237}{\c k}
\DeclareInputText{238}{\@tabacckludge=\i}
\DeclareInputText{239}{\c l}
\DeclareInputText{240}{\v s}
\DeclareInputText{241}{\@tabacckludge'n}
\DeclareInputText{242}{\c n}
\DeclareInputText{243}{\@tabacckludge'o}
\DeclareInputText{244}{\@tabacckludge=o}
\DeclareInputText{245}{\~o}
\DeclareInputText{246}{\"o}
\DeclareInputText{247}{\textdiv}
\DeclareInputText{248}{\k u}
\DeclareInputText{249}{\l}
\DeclareInputText{250}{\@tabacckludge's}
\DeclareInputText{251}{\@tabacckludge=u}
\DeclareInputText{252}{\"u}
\DeclareInputText{253}{\.z}
\DeclareInputText{254}{\v z}
\DeclareInputText{255}{\.{}}
\RestoreAtCatcode
⟨/cp1257⟩
```

2.5.28 Encoding dec-mcs

```
⟨*dec-mcs⟩
\ProvidesFile{x-dec-mcs.def}%
  [2016/05/16 v1.11 Input encoding dec-mcs (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textcent}{%
  \TextSymbolUnavailable\textcent
}
\ProvideTextCommandDefault{\textcurrency}{%
  \TextSymbolUnavailable\textcurrency
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textmu}{%
  \ensuremath\mu
}
\ProvideTextCommandDefault{\textonehalf}{%
  \ensuremath{\frac12}%
}
\ProvideTextCommandDefault{\textonequarter}{%
  \ensuremath{\frac14}%
}
\ProvideTextCommandDefault{\textonesuperior}{%
  \ensuremath{{^1}}%
}
\ProvideTextCommandDefault{\textpm}{%
  \ensuremath\pm
}
\ProvideTextCommandDefault{\textthreesuperior}{%
  \ensuremath{{^3}}%
}
\ProvideTextCommandDefault{\texttwosuperior}{%
  \ensuremath{{^2}}%
}
\ProvideTextCommandDefault{\textyen}{%
  \TextSymbolUnavailable\textyen
}
\DeclareInputText{161}{\textexclamdown}
\DeclareInputText{162}{\textcent}
```

```
\DeclareInputText{163}{\textsterling}
\DeclareInputText{165}{\textyen}
\DeclareInputText{167}{\textsection}
\DeclareInputText{168}{\textcurrency}
\DeclareInputText{169}{\textcopyright}
\DeclareInputText{170}{\textordfeminine}
\DeclareInputText{171}{\guillemotleft}
\DeclareInputText{176}{\textdegree}
\DeclareInputText{177}{\textpm}
\DeclareInputText{178}{\texttwosuperior}
\DeclareInputText{179}{\textthreesuperior}
\DeclareInputText{181}{\textmu}
\DeclareInputText{182}{\textparagraph}
\DeclareInputText{183}{\textperiodcentered}
\DeclareInputText{185}{\textonesuperior}
\DeclareInputText{186}{\textordmasculine}
\DeclareInputText{187}{\guillemotright}
\DeclareInputText{188}{\textonequarter}
\DeclareInputText{189}{\textonehalf}
\DeclareInputText{191}{\textquestiondown}
\DeclareInputText{192}{\@tabacckludge`A}
\DeclareInputText{193}{\@tabacckludge'A}
\DeclareInputText{194}{\^A}
\DeclareInputText{195}{\~A}
\DeclareInputText{196}{\"A}
\DeclareInputText{197}{\r A}
\DeclareInputText{198}{\AE}
\DeclareInputText{199}{\c C}
\DeclareInputText{200}{\@tabacckludge`E}
\DeclareInputText{201}{\@tabacckludge'E}
\DeclareInputText{202}{\^E}
\DeclareInputText{203}{\"E}
\DeclareInputText{204}{\@tabacckludge`I}
\DeclareInputText{205}{\@tabacckludge'I}
\DeclareInputText{206}{\^I}
\DeclareInputText{207}{\"I}
\DeclareInputText{209}{\~N}
\DeclareInputText{210}{\@tabacckludge`O}
\DeclareInputText{211}{\@tabacckludge'O}
\DeclareInputText{212}{\^O}
\DeclareInputText{213}{\~O}
\DeclareInputText{214}{\"O}
\DeclareInputText{215}{\OE}
\DeclareInputText{216}{\O}
\DeclareInputText{217}{\@tabacckludge`U}
\DeclareInputText{218}{\@tabacckludge'U}
\DeclareInputText{219}{\^U}
\DeclareInputText{220}{\"U}
\DeclareInputText{221}{\"Y}
\DeclareInputText{223}{\ss}
\DeclareInputText{224}{\@tabacckludge`a}
\DeclareInputText{225}{\@tabacckludge'a}
\DeclareInputText{226}{\^a}
\DeclareInputText{227}{\~a}
\DeclareInputText{228}{\"a}
\DeclareInputText{229}{\r a}
\DeclareInputText{230}{\ae}
\DeclareInputText{231}{\c c}
\DeclareInputText{232}{\@tabacckludge`e}
\DeclareInputText{233}{\@tabacckludge'e}
\DeclareInputText{234}{\^e}
\DeclareInputText{235}{\"e}
```

```
\DeclareInputText{236}{\@tabaccludge`\i}
\DeclareInputText{237}{\@tabaccludge'\i}
\DeclareInputText{238}{\^\i}
\DeclareInputText{239}{\"\i}
\DeclareInputText{241}{\~n}
\DeclareInputText{242}{\@tabaccludge`o}
\DeclareInputText{243}{\@tabaccludge'o}
\DeclareInputText{244}{\^o}
\DeclareInputText{245}{\~o}
\DeclareInputText{246}{\"o}
\DeclareInputText{247}{\oe}
\DeclareInputText{248}{\o}
\DeclareInputText{249}{\@tabaccludge`u}
\DeclareInputText{250}{\@tabaccludge'u}
\DeclareInputText{251}{\^u}
\DeclareInputText{252}{\"u}
\DeclareInputText{253}{\"y}
\RestoreAtCatcode
⟨/dec-mcs⟩
```

2.5.29 Encoding koi8-r

```
⟨*koi8-r⟩
\ProvidesFile{x-koi8-r.def}%
  [2016/05/16 v1.11 Input encoding koi8-r (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textapproxequal}{%
  \ensuremath\approx
}
\ProvideTextCommandDefault{\textblacksquare}{%
  \vrule \@width .3em \@height .4em \@depth -.1em\relax
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textdiv}{%
  \TextSymbolUnavailable\textdiv
}
\ProvideTextCommandDefault{\textgreaterequal}{%
  \ensuremath\geq
}
\ProvideTextCommandDefault{\textlessequal}{%
  \ensuremath\leq
}
\ProvideTextCommandDefault{\textsurd}{%
  \ensuremath\surd
}
\ProvideTextCommandDefault{\texttwosuperior}{%
  \ensuremath{{^2}}%
}
\DeclareInputText{128}{\textSFx}
\DeclareInputText{129}{\textSFxi}
\DeclareInputText{130}{\textSFi}
\DeclareInputText{131}{\textSFiii}
\DeclareInputText{132}{\textSFii}
\DeclareInputText{133}{\textSFiv}
\DeclareInputText{134}{\textSFviii}
\DeclareInputText{135}{\textSFix}
\DeclareInputText{136}{\textSFvi}
\DeclareInputText{137}{\textSFvii}
\DeclareInputText{138}{\textSFv}
\DeclareInputText{139}{\textupblock}
\DeclareInputText{140}{\textdnblock}
```

```
\DeclareInputText{141}{\textblock}
\DeclareInputText{142}{\textlfblock}
\DeclareInputText{143}{\textrtblock}
\DeclareInputText{144}{\textltshade}
\DeclareInputText{145}{\textshade}
\DeclareInputText{146}{\textdkshade}
\DeclareInputText{148}{\textblacksquare}
\DeclareInputText{149}{\textbullet}
\DeclareInputText{150}{\textsurd}
\DeclareInputText{151}{\textapproxequal}
\DeclareInputText{152}{\textlessequal}
\DeclareInputText{153}{\textgreaterequal}
\DeclareInputText{154}{\nobreakspace}
\DeclareInputText{156}{\textdegree}
\DeclareInputText{157}{\texttwosuperior}
\DeclareInputText{158}{\textperiodcentered}
\DeclareInputText{159}{\textdiv}
\DeclareInputText{160}{\textSFxliii}
\DeclareInputText{161}{\textSFxxiv}
\DeclareInputText{162}{\textSFli}
\DeclareInputText{163}{\cyryo}
\DeclareInputText{164}{\textSFlii}
\DeclareInputText{165}{\textSFxxxix}
\DeclareInputText{166}{\textSFxxii}
\DeclareInputText{167}{\textSFxxi}
\DeclareInputText{168}{\textSFxxv}
\DeclareInputText{169}{\textSFl}
\DeclareInputText{170}{\textSFxlix}
\DeclareInputText{171}{\textSFxxxviii}
\DeclareInputText{172}{\textSFxxviii}
\DeclareInputText{173}{\textSFxxvii}
\DeclareInputText{174}{\textSFxxvi}
\DeclareInputText{175}{\textSFxxxvi}
\DeclareInputText{176}{\textSFxxxvii}
\DeclareInputText{177}{\textSFxlii}
\DeclareInputText{178}{\textSFxix}
\DeclareInputText{179}{\CYRYO}
\DeclareInputText{180}{\textSFxx}
\DeclareInputText{181}{\textSFxxiii}
\DeclareInputText{182}{\textSFxlvii}
\DeclareInputText{183}{\textSFxlviii}
\DeclareInputText{184}{\textSFxli}
\DeclareInputText{185}{\textSFxlv}
\DeclareInputText{186}{\textSFxlvi}
\DeclareInputText{187}{\textSFxl}
\DeclareInputText{188}{\textSFliv}
\DeclareInputText{189}{\textSFliii}
\DeclareInputText{190}{\textSFxliv}
\DeclareInputText{191}{\textcopyright}
\DeclareInputText{192}{\cyryu}
\DeclareInputText{193}{\cyra}
\DeclareInputText{194}{\cyrb}
\DeclareInputText{195}{\cyrc}
\DeclareInputText{196}{\cyrd}
\DeclareInputText{197}{\cyre}
\DeclareInputText{198}{\cyrf}
\DeclareInputText{199}{\cyrg}
\DeclareInputText{200}{\cyrh}
\DeclareInputText{201}{\cyri}
\DeclareInputText{202}{\cyrishrt}
\DeclareInputText{203}{\cyrk}
\DeclareInputText{204}{\cyrl}
```

```
\DeclareInputText{205}{\cyrm}
\DeclareInputText{206}{\cyrn}
\DeclareInputText{207}{\cyro}
\DeclareInputText{208}{\cyrp}
\DeclareInputText{209}{\cyrya}
\DeclareInputText{210}{\cyrr}
\DeclareInputText{211}{\cyrs}
\DeclareInputText{212}{\cyrt}
\DeclareInputText{213}{\cyru}
\DeclareInputText{214}{\cyrzh}
\DeclareInputText{215}{\cyrv}
\DeclareInputText{216}{\cyrsftsn}
\DeclareInputText{217}{\cyrery}
\DeclareInputText{218}{\cyrz}
\DeclareInputText{219}{\cyrsh}
\DeclareInputText{220}{\cyrerev}
\DeclareInputText{221}{\cyrshch}
\DeclareInputText{222}{\cyrch}
\DeclareInputText{223}{\cyrhrdsn}
\DeclareInputText{224}{\CYRYU}
\DeclareInputText{225}{\CYRA}
\DeclareInputText{226}{\CYRB}
\DeclareInputText{227}{\CYRC}
\DeclareInputText{228}{\CYRD}
\DeclareInputText{229}{\CYRE}
\DeclareInputText{230}{\CYRF}
\DeclareInputText{231}{\CYRG}
\DeclareInputText{232}{\CYRH}
\DeclareInputText{233}{\CYRI}
\DeclareInputText{234}{\CYRISHRT}
\DeclareInputText{235}{\CYRK}
\DeclareInputText{236}{\CYRL}
\DeclareInputText{237}{\CYRM}
\DeclareInputText{238}{\CYRN}
\DeclareInputText{239}{\CYRO}
\DeclareInputText{240}{\CYRP}
\DeclareInputText{241}{\CYRYA}
\DeclareInputText{242}{\CYRR}
\DeclareInputText{243}{\CYRS}
\DeclareInputText{244}{\CYRT}
\DeclareInputText{245}{\CYRU}
\DeclareInputText{246}{\CYRZH}
\DeclareInputText{247}{\CYRV}
\DeclareInputText{248}{\CYRSFTSN}
\DeclareInputText{249}{\CYRERY}
\DeclareInputText{250}{\CYRZ}
\DeclareInputText{251}{\CYRSH}
\DeclareInputText{252}{\CYREREV}
\DeclareInputText{253}{\CYRSHCH}
\DeclareInputText{254}{\CYRCH}
\DeclareInputText{255}{\CYRHRDSN}
\RestoreAtCatcode
⟨/koi8-r⟩
```

2.5.30 Encoding mac-centeuro

```
⟨*mac-centeuro⟩
\ProvidesFile{x-mac-centeuro.def}%
  [2016/05/16 v1.11 Input encoding mac-centeuro (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textasciicaron}{%
  \v{}%
}
```

```
\ProvideTextCommandDefault{\textasciidieresis}{%
  \"{}%
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textdiv}{%
  \TextSymbolUnavailable\textdiv
}
\ProvideTextCommandDefault{\textgreaterequal}{%
  \ensuremath\geq
}
\ProvideTextCommandDefault{\textincrement}{%
  \ensuremath\Delta
}
\ProvideTextCommandDefault{\textlessequal}{%
  \ensuremath\leq
}
\ProvideTextCommandDefault{\textlnot}{%
  \ensuremath\lnot
}
\ProvideTextCommandDefault{\textlozenge}{%
  \ensuremath\diamond
}
\ProvideTextCommandDefault{\textnotequal}{%
  \ensuremath\neq
}
\ProvideTextCommandDefault{\textpartial}{%
  \ensuremath\partial
}
\ProvideTextCommandDefault{\textsummation}{%
  \ensuremath\Sigma
}
\ProvideTextCommandDefault{\textsurd}{%
  \ensuremath\surd
}
\DeclareInputText{128}{\"A}
\DeclareInputText{129}{\@tabacckludge=A}
\DeclareInputText{130}{\@tabacckludge=a}
\DeclareInputText{131}{\@tabacckludge'E}
\DeclareInputText{132}{\k A}
\DeclareInputText{133}{\"O}
\DeclareInputText{134}{\"U}
\DeclareInputText{135}{\@tabacckludge'a}
\DeclareInputText{136}{\k a}
\DeclareInputText{137}{\v C}
\DeclareInputText{138}{\"a}
\DeclareInputText{139}{\v c}
\DeclareInputText{140}{\@tabacckludge'C}
\DeclareInputText{141}{\@tabacckludge'c}
\DeclareInputText{142}{\@tabacckludge'e}
\DeclareInputText{143}{\@tabacckludge'Z}
\DeclareInputText{144}{\@tabacckludge'z}
\DeclareInputText{145}{\v D}
\DeclareInputText{146}{\@tabacckludge'\i}
\DeclareInputText{147}{\v d}
\DeclareInputText{148}{\@tabacckludge=E}
\DeclareInputText{149}{\@tabacckludge=e}
\DeclareInputText{150}{\.E}
\DeclareInputText{151}{\@tabacckludge'o}
\DeclareInputText{152}{\.e}
\DeclareInputText{153}{\^o}
```

```
\DeclareInputText{154}{\"o}
\DeclareInputText{155}{\~o}
\DeclareInputText{156}{\@tabacckludge'u}
\DeclareInputText{157}{\v E}
\DeclareInputText{158}{\v e}
\DeclareInputText{159}{\"u}
\DeclareInputText{160}{\textdagger}
\DeclareInputText{161}{\textdegree}
\DeclareInputText{162}{\k E}
\DeclareInputText{163}{\textsterling}
\DeclareInputText{164}{\textsection}
\DeclareInputText{165}{\textbullet}
\DeclareInputText{166}{\textparagraph}
\DeclareInputText{167}{\ss}
\DeclareInputText{168}{\textregistered}
\DeclareInputText{169}{\textcopyright}
\DeclareInputText{170}{\texttrademark}
\DeclareInputText{171}{\k e}
\DeclareInputText{172}{\textasciidieresis}
\DeclareInputText{173}{\textnotequal}
\DeclareInputText{174}{\c g}
\DeclareInputText{175}{\k I}
\DeclareInputText{176}{\k i}
\DeclareInputText{177}{\@tabacckludge=I}
\DeclareInputText{178}{\textlessequal}
\DeclareInputText{179}{\textgreaterequal}
\DeclareInputText{180}{\@tabacckludge=\i}
\DeclareInputText{181}{\c K}
\DeclareInputText{182}{\textpartial}
\DeclareInputText{183}{\textsummation}
\DeclareInputText{184}{\l}
\DeclareInputText{185}{\c L}
\DeclareInputText{186}{\c l}
\DeclareInputText{187}{\v L}
\DeclareInputText{188}{\v l}
\DeclareInputText{189}{\@tabacckludge'L}
\DeclareInputText{190}{\@tabacckludge'l}
\DeclareInputText{191}{\c N}
\DeclareInputText{192}{\c n}
\DeclareInputText{193}{\@tabacckludge'N}
\DeclareInputText{194}{\textlnot}
\DeclareInputText{195}{\textsurd}
\DeclareInputText{196}{\@tabacckludge'n}
\DeclareInputText{197}{\v N}
\DeclareInputText{198}{\textincrement}
\DeclareInputText{199}{\guillemotleft}
\DeclareInputText{200}{\guillemotright}
\DeclareInputText{201}{\textellipsis}
\DeclareInputText{202}{\nobreakspace}
\DeclareInputText{203}{\v n}
\DeclareInputText{204}{\H O}
\DeclareInputText{205}{\~O}
\DeclareInputText{206}{\H o}
\DeclareInputText{207}{\@tabacckludge=O}
\DeclareInputText{208}{\textendash}
\DeclareInputText{209}{\textemdash}
\DeclareInputText{210}{\textquotedblleft}
\DeclareInputText{211}{\textquotedblright}
\DeclareInputText{212}{\textquoteleft}
\DeclareInputText{213}{\textquoteright}
\DeclareInputText{214}{\textdiv}
\DeclareInputText{215}{\textlozenge}
```

```
\DeclareInputText{216}{\@tabacckludge=o}
\DeclareInputText{217}{\@tabacckludge'R}
\DeclareInputText{218}{\@tabacckludge'r}
\DeclareInputText{219}{\v R}
\DeclareInputText{220}{\guilsinglleft}
\DeclareInputText{221}{\guilsinglright}
\DeclareInputText{222}{\v r}
\DeclareInputText{223}{\c R}
\DeclareInputText{224}{\c r}
\DeclareInputText{225}{\v S}
\DeclareInputText{226}{\quotesinglbase}
\DeclareInputText{227}{\quotedblbase}
\DeclareInputText{228}{\v s}
\DeclareInputText{229}{\@tabacckludge'S}
\DeclareInputText{230}{\@tabacckludge's}
\DeclareInputText{231}{\@tabacckludge'A}
\DeclareInputText{232}{\v T}
\DeclareInputText{233}{\v t}
\DeclareInputText{234}{\@tabacckludge'I}
\DeclareInputText{235}{\v Z}
\DeclareInputText{236}{\v z}
\DeclareInputText{237}{\@tabacckludge=U}
\DeclareInputText{238}{\@tabacckludge'O}
\DeclareInputText{239}{\^O}
\DeclareInputText{240}{\@tabacckludge=u}
\DeclareInputText{241}{\r U}
\DeclareInputText{242}{\@tabacckludge'U}
\DeclareInputText{243}{\r u}
\DeclareInputText{244}{\H U}
\DeclareInputText{245}{\H u}
\DeclareInputText{246}{\k U}
\DeclareInputText{247}{\k u}
\DeclareInputText{248}{\@tabacckludge'Y}
\DeclareInputText{249}{\@tabacckludge'y}
\DeclareInputText{250}{\c k}
\DeclareInputText{251}{\.Z}
\DeclareInputText{252}{\L}
\DeclareInputText{253}{\.z}
\DeclareInputText{254}{\c G}
\DeclareInputText{255}{\textasciicaron}
\RestoreAtCatcode
⟨/mac-centeuro⟩
```

2.5.31 Encoding mac-cyrillic

```
⟨*mac-cyrillic⟩
\ProvidesFile{x-mac-cyrillic.def}%
  [2016/05/16 v1.11 Input encoding mac-cyrillic (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textapproxequal}{%
  \ensuremath\approx
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textdiv}{%
  \TextSymbolUnavailable\textdiv
}
\ProvideTextCommandDefault{\texteuro}{%
  \TextSymbolUnavailable\texteuro
}
\ProvideTextCommandDefault{\textflorin}{%
  \textit{f}%
```

```
}
\ProvideTextCommandDefault{\textgreaterequal}{%
  \ensuremath\geq
}
\ProvideTextCommandDefault{\textincrement}{%
  \ensuremath\Delta
}
\ProvideTextCommandDefault{\textinfinity}{%
  \ensuremath\infty
}
\ProvideTextCommandDefault{\textlessequal}{%
  \ensuremath\leq
}
\ProvideTextCommandDefault{\textlnot}{%
  \ensuremath\lnot
}
\ProvideTextCommandDefault{\textmu}{%
  \ensuremath\mu
}
\ProvideTextCommandDefault{\textnotequal}{%
  \ensuremath\neq
}
\ProvideTextCommandDefault{\textnumero}{%
  N%
  \bgroup
    \check@mathfonts
    \fontsize\sf@size\z@
    \math@fontsfalse
    \selectfont
    \ooalign{%
      \raise0.5ex\hbox{o}%
      \crcr
      \hline
    }%
  \egroup
}
\ProvideTextCommandDefault{\textpm}{%
  \ensuremath\pm
}
\ProvideTextCommandDefault{\textsurd}{%
  \ensuremath\surd
}
\DeclareInputText{128}{\CYRA}
\DeclareInputText{129}{\CYRB}
\DeclareInputText{130}{\CYRV}
\DeclareInputText{131}{\CYRG}
\DeclareInputText{132}{\CYRD}
\DeclareInputText{133}{\CYRE}
\DeclareInputText{134}{\CYRZH}
\DeclareInputText{135}{\CYRZ}
\DeclareInputText{136}{\CYRI}
\DeclareInputText{137}{\CYRISHRT}
\DeclareInputText{138}{\CYRK}
\DeclareInputText{139}{\CYRL}
\DeclareInputText{140}{\CYRM}
\DeclareInputText{141}{\CYRN}
\DeclareInputText{142}{\CYRO}
\DeclareInputText{143}{\CYRP}
\DeclareInputText{144}{\CYRR}
\DeclareInputText{145}{\CYRS}
\DeclareInputText{146}{\CYRT}
\DeclareInputText{147}{\CYRU}
```

```
\DeclareInputText{148}{\CYRF}
\DeclareInputText{149}{\CYRH}
\DeclareInputText{150}{\CYRC}
\DeclareInputText{151}{\CYRCH}
\DeclareInputText{152}{\CYRSH}
\DeclareInputText{153}{\CYRSHCH}
\DeclareInputText{154}{\CYRHRDSN}
\DeclareInputText{155}{\CYRERY}
\DeclareInputText{156}{\CYRSFTSN}
\DeclareInputText{157}{\CYREREV}
\DeclareInputText{158}{\CYRYU}
\DeclareInputText{159}{\CYRYA}
\DeclareInputText{160}{\textdagger}
\DeclareInputText{161}{\textdegree}
\DeclareInputText{162}{\CYRGUP}
\DeclareInputText{163}{\textsterling}
\DeclareInputText{164}{\textsection}
\DeclareInputText{165}{\textbullet}
\DeclareInputText{166}{\textparagraph}
\DeclareInputText{167}{\CYRII}
\DeclareInputText{168}{\textregistered}
\DeclareInputText{169}{\textcopyright}
\DeclareInputText{170}{\texttrademark}
\DeclareInputText{171}{\CYRDJE}
\DeclareInputText{172}{\cyrdje}
\DeclareInputText{173}{\textnotequal}
\DeclareInputText{174}{\@tabacckludge'\CYRG}
\DeclareInputText{175}{\@tabacckludge'\cyrg}
\DeclareInputText{176}{\textinfinity}
\DeclareInputText{177}{\textpm}
\DeclareInputText{178}{\textlessequal}
\DeclareInputText{179}{\textgreaterequal}
\DeclareInputText{180}{\cyrii}
\DeclareInputText{181}{\textmu}
\DeclareInputText{182}{\cyrgup}
\DeclareInputText{183}{\CYRJE}
\DeclareInputText{184}{\CYRIE}
\DeclareInputText{185}{\cyrie}
\DeclareInputText{186}{\CYRYI}
\DeclareInputText{187}{\cyryi}
\DeclareInputText{188}{\CYRLJE}
\DeclareInputText{189}{\cyrlje}
\DeclareInputText{190}{\CYRNJE}
\DeclareInputText{191}{\cyrnje}
\DeclareInputText{192}{\cyrje}
\DeclareInputText{193}{\CYRDZE}
\DeclareInputText{194}{\textlnot}
\DeclareInputText{195}{\textsurd}
\DeclareInputText{196}{\textflorin}
\DeclareInputText{197}{\textapproxequal}
\DeclareInputText{198}{\textincrement}
\DeclareInputText{199}{\guillemotleft}
\DeclareInputText{200}{\guillemotright}
\DeclareInputText{201}{\textellipsis}
\DeclareInputText{202}{\nobreakspace}
\DeclareInputText{203}{\CYRTSHE}
\DeclareInputText{204}{\cyrtshe}
\DeclareInputText{205}{\@tabacckludge'\CYRK}
\DeclareInputText{206}{\@tabacckludge'\cyrk}
\DeclareInputText{207}{\cyrdze}
\DeclareInputText{208}{\textendash}
\DeclareInputText{209}{\textemdash}
```

```
\DeclareInputText{210}{\textquotedblleft}
\DeclareInputText{211}{\textquotedblright}
\DeclareInputText{212}{\textquoteleft}
\DeclareInputText{213}{\textquoteright}
\DeclareInputText{214}{\textdiv}
\DeclareInputText{215}{\quotedblbase}
\DeclareInputText{216}{\CYRUSHRT}
\DeclareInputText{217}{\cyrushrt}
\DeclareInputText{218}{\CYRDZHE}
\DeclareInputText{219}{\cyrdzhe}
\DeclareInputText{220}{\textnumero}
\DeclareInputText{221}{\CYRYO}
\DeclareInputText{222}{\cyryo}
\DeclareInputText{223}{\cyrya}
\DeclareInputText{224}{\cyra}
\DeclareInputText{225}{\cyrb}
\DeclareInputText{226}{\cyrv}
\DeclareInputText{227}{\cyrg}
\DeclareInputText{228}{\cyrd}
\DeclareInputText{229}{\cyre}
\DeclareInputText{230}{\cyrzh}
\DeclareInputText{231}{\cyrz}
\DeclareInputText{232}{\cyri}
\DeclareInputText{233}{\cyrishrt}
\DeclareInputText{234}{\cyrk}
\DeclareInputText{235}{\cyrl}
\DeclareInputText{236}{\cyrm}
\DeclareInputText{237}{\cyrn}
\DeclareInputText{238}{\cyro}
\DeclareInputText{239}{\cyrp}
\DeclareInputText{240}{\cyrr}
\DeclareInputText{241}{\cyrs}
\DeclareInputText{242}{\cyrt}
\DeclareInputText{243}{\cyru}
\DeclareInputText{244}{\cyrf}
\DeclareInputText{245}{\cyrh}
\DeclareInputText{246}{\cyrc}
\DeclareInputText{247}{\cyrch}
\DeclareInputText{248}{\cyrsh}
\DeclareInputText{249}{\cyrshch}
\DeclareInputText{250}{\cyrhrdsn}
\DeclareInputText{251}{\cyrery}
\DeclareInputText{252}{\cyrsftsn}
\DeclareInputText{253}{\cyrerev}
\DeclareInputText{254}{\cyryu}
\DeclareInputText{255}{\texteuro}
\RestoreAtCatcode
⟨/mac-cyrillic⟩
```

2.5.32 Encoding mac-roman

```
⟨*mac-roman⟩
\ProvidesFile{x-mac-roman.def}%
  [2016/05/16 v1.11 Input encoding mac-roman (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textOmega}{%
  \ensuremath\Omega
}
\ProvideTextCommandDefault{\textacutedbl}{%
  \H{}%
}
\ProvideTextCommandDefault{\textapproxequal}{%
  \ensuremath\approx
```

```
}
\ProvideTextCommandDefault{\textasciiacute}{%
  \@tabacckludge'{}%
}
\ProvideTextCommandDefault{\textasciibreve}{%
  \u{}%
}
\ProvideTextCommandDefault{\textasciicaron}{%
  \v{}%
}
\ProvideTextCommandDefault{\textasciidieresis}{%
  \"{}%
}
\ProvideTextCommandDefault{\textasciimacron}{%
  \@tabacckludge={}%
}
\ProvideTextCommandDefault{\textcent}{%
  \TextSymbolUnavailable\textcent
}
\ProvideTextCommandDefault{\textdegree}{%
  \ensuremath{{^\circ}}%
}
\ProvideTextCommandDefault{\textdiv}{%
  \TextSymbolUnavailable\textdiv
}
\ProvideTextCommandDefault{\texteuro}{%
  \TextSymbolUnavailable\texteuro
}
\ProvideTextCommandDefault{\textflorin}{%
  \textit{f}%
}
\ProvideTextCommandDefault{\textfractionsolidus}{%
  /%
}
\ProvideTextCommandDefault{\textgreaterequal}{%
  \ensuremath\geq
}
\ProvideTextCommandDefault{\textincrement}{%
  \ensuremath\Delta
}
\ProvideTextCommandDefault{\textinfinity}{%
  \ensuremath\infty
}
\ProvideTextCommandDefault{\textintegral}{%
  \ensuremath\int
}
\ProvideTextCommandDefault{\textlessequal}{%
  \ensuremath\leq
}
\ProvideTextCommandDefault{\textlnot}{%
  \ensuremath\lnot
}
\ProvideTextCommandDefault{\textlozenge}{%
  \ensuremath\diamond
}
\ProvideTextCommandDefault{\textmu}{%
  \ensuremath\mu
}
\ProvideTextCommandDefault{\textnotequal}{%
  \ensuremath\neq
}
\ProvideTextCommandDefault{\textpartial}{%
```

```
  \ensuremath\partial
}
\ProvideTextCommandDefault{\textpi}{%
  \ensuremath\pi
}
\ProvideTextCommandDefault{\textpm}{%
  \ensuremath\pm
}
\ProvideTextCommandDefault{\textproduct}{%
  \ensuremath\Pi
}
\ProvideTextCommandDefault{\textsummation}{%
  \ensuremath\Sigma
}
\ProvideTextCommandDefault{\textsurd}{%
  \ensuremath\surd
}
\ProvideTextCommandDefault{\textyen}{%
  \TextSymbolUnavailable\textyen
}
\DeclareInputText{128}{\"A}
\DeclareInputText{129}{\r A}
\DeclareInputText{130}{\c C}
\DeclareInputText{131}{\@tabacckludge'E}
\DeclareInputText{132}{\~N}
\DeclareInputText{133}{\"O}
\DeclareInputText{134}{\"U}
\DeclareInputText{135}{\@tabacckludge'a}
\DeclareInputText{136}{\@tabacckludge`a}
\DeclareInputText{137}{\^a}
\DeclareInputText{138}{\"a}
\DeclareInputText{139}{\~a}
\DeclareInputText{140}{\r a}
\DeclareInputText{141}{\c c}
\DeclareInputText{142}{\@tabacckludge'e}
\DeclareInputText{143}{\@tabacckludge`e}
\DeclareInputText{144}{\^e}
\DeclareInputText{145}{\"e}
\DeclareInputText{146}{\@tabacckludge'\i}
\DeclareInputText{147}{\@tabacckludge`\i}
\DeclareInputText{148}{\^\i}
\DeclareInputText{149}{\"\i}
\DeclareInputText{150}{\~n}
\DeclareInputText{151}{\@tabacckludge'o}
\DeclareInputText{152}{\@tabacckludge`o}
\DeclareInputText{153}{\^o}
\DeclareInputText{154}{\"o}
\DeclareInputText{155}{\~o}
\DeclareInputText{156}{\@tabacckludge'u}
\DeclareInputText{157}{\@tabacckludge`u}
\DeclareInputText{158}{\^u}
\DeclareInputText{159}{\"u}
\DeclareInputText{160}{\textdagger}
\DeclareInputText{161}{\textdegree}
\DeclareInputText{162}{\textcent}
\DeclareInputText{163}{\textsterling}
\DeclareInputText{164}{\textsection}
\DeclareInputText{165}{\textbullet}
\DeclareInputText{166}{\textparagraph}
\DeclareInputText{167}{\ss}
\DeclareInputText{168}{\textregistered}
\DeclareInputText{169}{\textcopyright}
```

```
\DeclareInputText{170}{\texttrademark}
\DeclareInputText{171}{\textasciiacute}
\DeclareInputText{172}{\textasciidieresis}
\DeclareInputText{173}{\textnotequal}
\DeclareInputText{174}{\AE}
\DeclareInputText{175}{\O}
\DeclareInputText{176}{\textinfinity}
\DeclareInputText{177}{\textpm}
\DeclareInputText{178}{\textlessequal}
\DeclareInputText{179}{\textgreaterequal}
\DeclareInputText{180}{\textyen}
\DeclareInputText{181}{\textmu}
\DeclareInputText{182}{\textpartial}
\DeclareInputText{183}{\textsummation}
\DeclareInputText{184}{\textproduct}
\DeclareInputText{185}{\textpi}
\DeclareInputText{186}{\textintegral}
\DeclareInputText{187}{\textordfeminine}
\DeclareInputText{188}{\textordmasculine}
\DeclareInputText{189}{\textOmega}
\DeclareInputText{190}{\ae}
\DeclareInputText{191}{\o}
\DeclareInputText{192}{\textquestiondown}
\DeclareInputText{193}{\textexclamdown}
\DeclareInputText{194}{\textlnot}
\DeclareInputText{195}{\textsurd}
\DeclareInputText{196}{\textflorin}
\DeclareInputText{197}{\textapproxequal}
\DeclareInputText{198}{\textincrement}
\DeclareInputText{199}{\guillemotleft}
\DeclareInputText{200}{\guillemotright}
\DeclareInputText{201}{\textellipsis}
\DeclareInputText{202}{\nobreakspace}
\DeclareInputText{203}{\@tabacckludge`A}
\DeclareInputText{204}{\~A}
\DeclareInputText{205}{\~O}
\DeclareInputText{206}{\OE}
\DeclareInputText{207}{\oe}
\DeclareInputText{208}{\textendash}
\DeclareInputText{209}{\textemdash}
\DeclareInputText{210}{\textquotedblleft}
\DeclareInputText{211}{\textquotedblright}
\DeclareInputText{212}{\textquoteleft}
\DeclareInputText{213}{\textquoteright}
\DeclareInputText{214}{\textdiv}
\DeclareInputText{215}{\textlozenge}
\DeclareInputText{216}{\"y}
\DeclareInputText{217}{\"Y}
\DeclareInputText{218}{\textfractionsolidus}
\DeclareInputText{219}{\texteuro}
\DeclareInputText{220}{\guilsinglleft}
\DeclareInputText{221}{\guilsinglright}
\DeclareInputText{222}{fi}
\DeclareInputText{223}{fl}
\DeclareInputText{224}{\textdaggerdbl}
\DeclareInputText{225}{\textperiodcentered}
\DeclareInputText{226}{\quotesinglbase}
\DeclareInputText{227}{\quotedblbase}
\DeclareInputText{228}{\textperthousand}
\DeclareInputText{229}{\^A}
\DeclareInputText{230}{\^E}
\DeclareInputText{231}{\@tabacckludge'A}
```

```
\DeclareInputText{232}{\"E}
\DeclareInputText{233}{\@tabacckludge`E}
\DeclareInputText{234}{\@tabacckludge'I}
\DeclareInputText{235}{\^I}
\DeclareInputText{236}{\"I}
\DeclareInputText{237}{\@tabacckludge`I}
\DeclareInputText{238}{\@tabacckludge'O}
\DeclareInputText{239}{\^O}
\DeclareInputText{241}{\@tabacckludge`O}
\DeclareInputText{242}{\@tabacckludge'U}
\DeclareInputText{243}{\^U}
\DeclareInputText{244}{\@tabacckludge`U}
\DeclareInputText{245}{\i}
\DeclareInputText{246}{\textasciicircum}
\DeclareInputText{247}{\textasciitilde}
\DeclareInputText{248}{\textasciimacron}
\DeclareInputText{249}{\textasciibreve}
\DeclareInputText{250}{\.{}}
\DeclareInputText{251}{\r{}}
\DeclareInputText{252}{\c\ }
\DeclareInputText{253}{\textacutedbl}
\DeclareInputText{254}{\k{}}
\DeclareInputText{255}{\textasciicaron}
\RestoreAtCatcode
⟨/mac-roman⟩
```

2.5.33 Encoding nextstep

```
⟨*nextstep⟩
\ProvidesFile{x-nextstep.def}%
  [2016/05/16 v1.11 Input encoding nextstep (inputenx)]%
\edef\RestoreAtCatcode{\catcode64=\the\catcode64\relax}
\makeatletter
\ProvideTextCommandDefault{\textacutedbl}{%
  \H{}%
}
\ProvideTextCommandDefault{\textasciiacute}{%
  \@tabacckludge'{}%
}
\ProvideTextCommandDefault{\textasciibreve}{%
  \u{}%
}
\ProvideTextCommandDefault{\textasciicaron}{%
  \v{}%
}
\ProvideTextCommandDefault{\textasciidieresis}{%
  \"{}%
}
\ProvideTextCommandDefault{\textasciigrave}{%
  \@tabacckludge`{}%
}
\ProvideTextCommandDefault{\textasciimacron}{%
  \@tabacckludge={}%
}
\ProvideTextCommandDefault{\textbrokenbar}{%
  \TextSymbolUnavailable\textbrokenbar
}
\ProvideTextCommandDefault{\textcent}{%
  \TextSymbolUnavailable\textcent
}
\ProvideTextCommandDefault{\textcurrency}{%
  \TextSymbolUnavailable\textcurrency
}
\ProvideTextCommandDefault{\textdiv}{%
```

```
  \TextSymbolUnavailable\textdiv
}
\ProvideTextCommandDefault{\textflorin}{%
  \textit{f}%
}
\ProvideTextCommandDefault{\textfractionsolidus}{%
  /%
}
\ProvideTextCommandDefault{\textlnot}{%
  \ensuremath\lnot
}
\ProvideTextCommandDefault{\textmu}{%
  \ensuremath\mu
}
\ProvideTextCommandDefault{\textonehalf}{%
  \ensuremath{\frac12}%
}
\ProvideTextCommandDefault{\textonequarter}{%
  \ensuremath{\frac14}%
}
\ProvideTextCommandDefault{\textonesuperior}{%
  \ensuremath{{^1}}%
}
\ProvideTextCommandDefault{\textpm}{%
  \ensuremath\pm
}
\ProvideTextCommandDefault{\textthreequarters}{%
  \ensuremath{\frac34}%
}
\ProvideTextCommandDefault{\textthreesuperior}{%
  \ensuremath{{^3}}%
}
\ProvideTextCommandDefault{\texttimes}{%
  \ensuremath\times
}
\ProvideTextCommandDefault{\texttwosuperior}{%
  \ensuremath{{^2}}%
}
\ProvideTextCommandDefault{\textyen}{%
  \TextSymbolUnavailable\textyen
}
\DeclareInputText{128}{\nobreakspace}
\DeclareInputText{129}{\@tabacckludge`A}
\DeclareInputText{130}{\@tabacckludge'A}
\DeclareInputText{131}{\^A}
\DeclareInputText{132}{\~A}
\DeclareInputText{133}{\"A}
\DeclareInputText{134}{\r A}
\DeclareInputText{135}{\c C}
\DeclareInputText{136}{\@tabacckludge`E}
\DeclareInputText{137}{\@tabacckludge'E}
\DeclareInputText{138}{\^E}
\DeclareInputText{139}{\"E}
\DeclareInputText{140}{\@tabacckludge`I}
\DeclareInputText{141}{\@tabacckludge'I}
\DeclareInputText{142}{\^I}
\DeclareInputText{143}{\"I}
\DeclareInputText{144}{\DH}
\DeclareInputText{145}{\~N}
\DeclareInputText{146}{\@tabacckludge`O}
\DeclareInputText{147}{\@tabacckludge'O}
\DeclareInputText{148}{\^O}
```

```
\DeclareInputText{149}{\~O}
\DeclareInputText{150}{\"O}
\DeclareInputText{151}{\@tabacckludge`U}
\DeclareInputText{152}{\@tabacckludge'U}
\DeclareInputText{153}{\^U}
\DeclareInputText{154}{\"U}
\DeclareInputText{155}{\@tabacckludge'Y}
\DeclareInputText{156}{\TH}
\DeclareInputText{157}{\textmu}
\DeclareInputText{158}{\texttimes}
\DeclareInputText{159}{\textdiv}
\DeclareInputText{160}{\textcopyright}
\DeclareInputText{161}{\textexclamdown}
\DeclareInputText{162}{\textcent}
\DeclareInputText{163}{\textsterling}
\DeclareInputText{164}{\textfractionsolidus}
\DeclareInputText{165}{\textyen}
\DeclareInputText{166}{\textflorin}
\DeclareInputText{167}{\textsection}
\DeclareInputText{168}{\textcurrency}
\DeclareInputText{169}{\textquoteright}
\DeclareInputText{170}{\textquotedblleft}
\DeclareInputText{171}{\guillemotleft}
\DeclareInputText{172}{\guilsinglleft}
\DeclareInputText{173}{\guilsinglright}
\DeclareInputText{174}{fi}
\DeclareInputText{175}{fl}
\DeclareInputText{176}{\textregistered}
\DeclareInputText{177}{\textendash}
\DeclareInputText{178}{\textdagger}
\DeclareInputText{179}{\textdaggerdbl}
\DeclareInputText{180}{\textperiodcentered}
\DeclareInputText{181}{\textbrokenbar}
\DeclareInputText{182}{\textparagraph}
\DeclareInputText{183}{\textbullet}
\DeclareInputText{184}{\quotesinglbase}
\DeclareInputText{185}{\quotedblbase}
\DeclareInputText{186}{\textquotedblright}
\DeclareInputText{187}{\guillemotright}
\DeclareInputText{188}{\textellipsis}
\DeclareInputText{189}{\textperthousand}
\DeclareInputText{190}{\textlnot}
\DeclareInputText{191}{\textquestiondown}
\DeclareInputText{192}{\textonesuperior}
\DeclareInputText{193}{\textasciigrave}
\DeclareInputText{194}{\textasciiacute}
\DeclareInputText{195}{\textasciicircum}
\DeclareInputText{196}{\textasciitilde}
\DeclareInputText{197}{\textasciimacron}
\DeclareInputText{198}{\textasciibreve}
\DeclareInputText{199}{\.{}}
\DeclareInputText{200}{\textasciidieresis}
\DeclareInputText{201}{\texttwosuperior}
\DeclareInputText{202}{\r{}}
\DeclareInputText{203}{\c\ }
\DeclareInputText{204}{\textthreesuperior}
\DeclareInputText{205}{\textacutedbl}
\DeclareInputText{206}{\k{}}
\DeclareInputText{207}{\textasciicaron}
\DeclareInputText{208}{\textemdash}
\DeclareInputText{209}{\textpm}
\DeclareInputText{210}{\textonequarter}
```

```
\DeclareInputText{211}{\textonehalf}
\DeclareInputText{212}{\textthreequarters}
\DeclareInputText{213}{\@tabacckludge`a}
\DeclareInputText{214}{\@tabacckludge'a}
\DeclareInputText{215}{\^a}
\DeclareInputText{216}{\~a}
\DeclareInputText{217}{\"a}
\DeclareInputText{218}{\r a}
\DeclareInputText{219}{\c c}
\DeclareInputText{220}{\@tabacckludge`e}
\DeclareInputText{221}{\@tabacckludge'e}
\DeclareInputText{222}{\^e}
\DeclareInputText{223}{\"e}
\DeclareInputText{224}{\@tabacckludge`\i}
\DeclareInputText{225}{\AE}
\DeclareInputText{226}{\@tabacckludge'\i}
\DeclareInputText{227}{\textordfeminine}
\DeclareInputText{228}{\^\i}
\DeclareInputText{229}{\"\i}
\DeclareInputText{230}{\dh}
\DeclareInputText{231}{\~n}
\DeclareInputText{232}{\L}
\DeclareInputText{233}{\O}
\DeclareInputText{234}{\OE}
\DeclareInputText{235}{\textordmasculine}
\DeclareInputText{236}{\@tabacckludge`o}
\DeclareInputText{237}{\@tabacckludge'o}
\DeclareInputText{238}{\^o}
\DeclareInputText{239}{\~o}
\DeclareInputText{240}{\"o}
\DeclareInputText{241}{\ae}
\DeclareInputText{242}{\@tabacckludge`u}
\DeclareInputText{243}{\@tabacckludge'u}
\DeclareInputText{244}{\^u}
\DeclareInputText{245}{\i}
\DeclareInputText{246}{\"u}
\DeclareInputText{247}{\@tabacckludge'y}
\DeclareInputText{248}{\l}
\DeclareInputText{249}{\o}
\DeclareInputText{250}{\oe}
\DeclareInputText{251}{\ss}
\DeclareInputText{252}{\th}
\DeclareInputText{253}{\"y}
\RestoreAtCatcode
⟨/nextstep⟩
```

2.5.34 Non-Unicode additions

```
⟨*mac-roman⟩
\ProvideTextCommandDefault{\textapplelogo}{%
  \TextSymbolUnavailable\textapplelogo
}
\DeclareInputText{240}{\textapplelogo}
⟨/mac-roman⟩
```

2.6 Additions for utf8enc.dfu

```
⟨*dfu⟩
\ProvidesFile{ix-utf8enc.dfu}%
  [2016/05/16 v1.11 Additions of inputenx for utf8enc.dfu]%
\DeclareUnicodeCharacter{00A0}{\nobreakspace}
\DeclareUnicodeCharacter{00AD}{\-}
\DeclareUnicodeCharacter{0100}{\@tabacckludge=A}
\DeclareUnicodeCharacter{0101}{\@tabacckludge=a}
```

```
\DeclareUnicodeCharacter{0108}{\^C}
\DeclareUnicodeCharacter{0109}{\^c}
\DeclareUnicodeCharacter{010A}{\.C}
\DeclareUnicodeCharacter{010B}{\.c}
\DeclareUnicodeCharacter{0112}{\@tabacckludge=E}
\DeclareUnicodeCharacter{0113}{\@tabacckludge=e}
\DeclareUnicodeCharacter{0116}{\.E}
\DeclareUnicodeCharacter{0117}{\.e}
\DeclareUnicodeCharacter{011C}{\^G}
\DeclareUnicodeCharacter{011D}{\^g}
\DeclareUnicodeCharacter{0120}{\.G}
\DeclareUnicodeCharacter{0121}{\.g}
\DeclareUnicodeCharacter{0122}{\c G}
\DeclareUnicodeCharacter{0123}{\c g}
\DeclareUnicodeCharacter{0124}{\^H}
\DeclareUnicodeCharacter{0125}{\^h}
\DeclareUnicodeCharacter{0126}{\textmalteseH}
\DeclareUnicodeCharacter{0127}{\textmalteseh}
\DeclareUnicodeCharacter{0128}{\~I}
\DeclareUnicodeCharacter{0129}{\~\i}
\DeclareUnicodeCharacter{012A}{\@tabacckludge=I}
\DeclareUnicodeCharacter{012B}{\@tabacckludge=\i}
\DeclareUnicodeCharacter{012E}{\k I}
\DeclareUnicodeCharacter{012F}{\k i}
\DeclareUnicodeCharacter{0134}{\^J}
\DeclareUnicodeCharacter{0135}{\^\j}
\DeclareUnicodeCharacter{0136}{\c K}
\DeclareUnicodeCharacter{0137}{\c k}
\DeclareUnicodeCharacter{0138}{\textkra}
\DeclareUnicodeCharacter{013B}{\c L}
\DeclareUnicodeCharacter{013C}{\c l}
\DeclareUnicodeCharacter{0145}{\c N}
\DeclareUnicodeCharacter{0146}{\c n}
\DeclareUnicodeCharacter{014C}{\@tabacckludge=O}
\DeclareUnicodeCharacter{014D}{\@tabacckludge=o}
\DeclareUnicodeCharacter{0156}{\c R}
\DeclareUnicodeCharacter{0157}{\c r}
\DeclareUnicodeCharacter{015C}{\^S}
\DeclareUnicodeCharacter{015D}{\^s}
\DeclareUnicodeCharacter{0166}{\textTstroke}
\DeclareUnicodeCharacter{0167}{\texttstroke}
\DeclareUnicodeCharacter{0168}{\~U}
\DeclareUnicodeCharacter{0169}{\~u}
\DeclareUnicodeCharacter{016A}{\@tabacckludge=U}
\DeclareUnicodeCharacter{016B}{\@tabacckludge=u}
\DeclareUnicodeCharacter{016C}{\u U}
\DeclareUnicodeCharacter{016D}{\u u}
\DeclareUnicodeCharacter{0172}{\k U}
\DeclareUnicodeCharacter{0173}{\k u}
\DeclareUnicodeCharacter{0174}{\^W}
\DeclareUnicodeCharacter{0175}{\^w}
\DeclareUnicodeCharacter{0176}{\^Y}
\DeclareUnicodeCharacter{0177}{\^y}
\DeclareUnicodeCharacter{01CD}{\v A}
\DeclareUnicodeCharacter{01CE}{\v a}
\DeclareUnicodeCharacter{01CF}{\v I}
\DeclareUnicodeCharacter{01D0}{\v\i}
\DeclareUnicodeCharacter{01D1}{\v O}
\DeclareUnicodeCharacter{01D2}{\v o}
\DeclareUnicodeCharacter{01D3}{\v U}
\DeclareUnicodeCharacter{01D4}{\v u}
\DeclareUnicodeCharacter{01E2}{\@tabacckludge=\AE}
```

```
\DeclareUnicodeCharacter{01E3}{\@tabacckludge=\ae}
\DeclareUnicodeCharacter{01E6}{\v G}
\DeclareUnicodeCharacter{01E7}{\v g}
\DeclareUnicodeCharacter{01E8}{\v K}
\DeclareUnicodeCharacter{01E9}{\v k}
\DeclareUnicodeCharacter{01F0}{\v\j}
\DeclareUnicodeCharacter{01F4}{\@tabacckludge'G}
\DeclareUnicodeCharacter{01F5}{\@tabacckludge'g}
\DeclareUnicodeCharacter{01F8}{\@tabacckludge`N}
\DeclareUnicodeCharacter{01F9}{\@tabacckludge`n}
\DeclareUnicodeCharacter{01FC}{\@tabacckludge'\AE}
\DeclareUnicodeCharacter{01FD}{\@tabacckludge'\ae}
\DeclareUnicodeCharacter{0226}{\.A}
\DeclareUnicodeCharacter{0227}{\.a}
\DeclareUnicodeCharacter{0228}{\c E}
\DeclareUnicodeCharacter{0229}{\c e}
\DeclareUnicodeCharacter{022E}{\.O}
\DeclareUnicodeCharacter{022F}{\.o}
\DeclareUnicodeCharacter{0232}{\@tabacckludge=Y}
\DeclareUnicodeCharacter{0232}{\@tabacckludge=y}
\DeclareUnicodeCharacter{0232}{\@tabacckludge=y}
\DeclareUnicodeCharacter{0237}{\j}
\DeclareUnicodeCharacter{1E02}{\.B}
\DeclareUnicodeCharacter{1E03}{\.b}
\DeclareUnicodeCharacter{1E0A}{\.D}
\DeclareUnicodeCharacter{1E0B}{\.d}
\DeclareUnicodeCharacter{1E1E}{\.F}
\DeclareUnicodeCharacter{1E1F}{\.f}
\DeclareUnicodeCharacter{1E40}{\.M}
\DeclareUnicodeCharacter{1E41}{\.m}
\DeclareUnicodeCharacter{1E56}{\.P}
\DeclareUnicodeCharacter{1E57}{\.p}
\DeclareUnicodeCharacter{1E60}{\.S}
\DeclareUnicodeCharacter{1E61}{\.s}
\DeclareUnicodeCharacter{1E6A}{\.T}
\DeclareUnicodeCharacter{1E6B}{\.t}
\DeclareUnicodeCharacter{1E80}{\@tabacckludge`W}
\DeclareUnicodeCharacter{1E81}{\@tabacckludge`w}
\DeclareUnicodeCharacter{1E82}{\@tabacckludge'W}
\DeclareUnicodeCharacter{1E83}{\@tabacckludge'w}
\DeclareUnicodeCharacter{1E84}{\"W}
\DeclareUnicodeCharacter{1E85}{\"w}
\DeclareUnicodeCharacter{1EF2}{\@tabacckludge`Y}
\DeclareUnicodeCharacter{1EF3}{\@tabacckludge`y}
\DeclareUnicodeCharacter{0218}{\textcommabelow S}
\DeclareUnicodeCharacter{0219}{\textcommabelow s}
\DeclareUnicodeCharacter{021A}{\textcommabelow T}
\DeclareUnicodeCharacter{021B}{\textcommabelow t}
\DeclareUnicodeCharacter{02CB}{\textasciigrave}
\DeclareUnicodeCharacter{02D9}{\.{}}
\DeclareUnicodeCharacter{02DA}{\r{}}
\DeclareUnicodeCharacter{02DB}{\k{}}
\DeclareUnicodeCharacter{0393}{\textGamma}
\DeclareUnicodeCharacter{0398}{\textTheta}
\DeclareUnicodeCharacter{03A3}{\textSigma}
\DeclareUnicodeCharacter{03A6}{\textPhi}
\DeclareUnicodeCharacter{03A9}{\textOmega}
\DeclareUnicodeCharacter{03B1}{\textalpha}
\DeclareUnicodeCharacter{03B2}{\textbeta}
\DeclareUnicodeCharacter{03B4}{\textdelta}
\DeclareUnicodeCharacter{03B5}{\textepsilon}
\DeclareUnicodeCharacter{03C0}{\textpi}
```

```
\DeclareUnicodeCharacter{03C3}{\textsigma}
\DeclareUnicodeCharacter{03C4}{\texttau}
\DeclareUnicodeCharacter{03C6}{\textphi}
\DeclareUnicodeCharacter{0403}{\@tabacckludge'\CYRG}
\DeclareUnicodeCharacter{040C}{\@tabacckludge'\CYRK}
\DeclareUnicodeCharacter{0453}{\@tabacckludge'\cyrg}
\DeclareUnicodeCharacter{045C}{\@tabacckludge'\cyrk}
\DeclareUnicodeCharacter{05D0}{\hebalef}
\DeclareUnicodeCharacter{05D1}{\hebbet}
\DeclareUnicodeCharacter{05D2}{\hebgimel}
\DeclareUnicodeCharacter{05D3}{\hebdalet}
\DeclareUnicodeCharacter{05D4}{\hebhe}
\DeclareUnicodeCharacter{05D5}{\hebvav}
\DeclareUnicodeCharacter{05D6}{\hebzayin}
\DeclareUnicodeCharacter{05D7}{\hebhet}
\DeclareUnicodeCharacter{05D8}{\hebtet}
\DeclareUnicodeCharacter{05D9}{\hebyod}
\DeclareUnicodeCharacter{05DA}{\hebfinalkaf}
\DeclareUnicodeCharacter{05DB}{\hebkaf}
\DeclareUnicodeCharacter{05DC}{\heblamed}
\DeclareUnicodeCharacter{05DD}{\hebfinalmem}
\DeclareUnicodeCharacter{05DE}{\hebmem}
\DeclareUnicodeCharacter{05DF}{\hebfinalnun}
\DeclareUnicodeCharacter{05E0}{\hebnun}
\DeclareUnicodeCharacter{05E1}{\hebsamekh}
\DeclareUnicodeCharacter{05E2}{\hebayin}
\DeclareUnicodeCharacter{05E3}{\hebfinalpe}
\DeclareUnicodeCharacter{05E4}{\hebpe}
\DeclareUnicodeCharacter{05E5}{\hebfinaltsadi}
\DeclareUnicodeCharacter{05E6}{\hebtsadi}
\DeclareUnicodeCharacter{05E7}{\hebqof}
\DeclareUnicodeCharacter{05E8}{\hebresh}
\DeclareUnicodeCharacter{05E9}{\hebshin}
\DeclareUnicodeCharacter{05EA}{\hebtav}
\DeclareUnicodeCharacter{2015}{\texthorizontalbar}
\DeclareUnicodeCharacter{2017}{\textdbllowline}
\DeclareUnicodeCharacter{207F}{\textnsuperior}
\DeclareUnicodeCharacter{20A7}{\textpeseta}
\DeclareUnicodeCharacter{2202}{\textpartial}
\DeclareUnicodeCharacter{2206}{\textincrement}
\DeclareUnicodeCharacter{2208}{\textelement}
\DeclareUnicodeCharacter{220F}{\textproduct}
\DeclareUnicodeCharacter{2211}{\textsummation}
\DeclareUnicodeCharacter{2219}{\textbullet}
\DeclareUnicodeCharacter{221A}{\textsurd}
\DeclareUnicodeCharacter{221E}{\textinfinity}
\DeclareUnicodeCharacter{2227}{\textcap}
\DeclareUnicodeCharacter{2229}{\textintersection}
\DeclareUnicodeCharacter{222B}{\textintegral}
\DeclareUnicodeCharacter{222E}{\textcontourintegral}
\DeclareUnicodeCharacter{2248}{\textapproxequal}
\DeclareUnicodeCharacter{2260}{\textnotequal}
\DeclareUnicodeCharacter{2261}{\textequivalence}
\DeclareUnicodeCharacter{2264}{\textlessequal}
\DeclareUnicodeCharacter{2265}{\textgreaterequal}
\DeclareUnicodeCharacter{2310}{\textrevlogicalnot}
\DeclareUnicodeCharacter{25A0}{\textblacksquare}
\DeclareUnicodeCharacter{25CA}{\textlozenge}
\DeclareUnicodeCharacter{FB01}{fi}
\DeclareUnicodeCharacter{FB02}{fl}
\DeclareUnicodeCharacter{2500}{\textSFx}
\DeclareUnicodeCharacter{2502}{\textSFxi}
```

```
\DeclareUnicodeCharacter{250C}{\textSFi}
\DeclareUnicodeCharacter{2510}{\textSFiii}
\DeclareUnicodeCharacter{2514}{\textSFii}
\DeclareUnicodeCharacter{2518}{\textSFiv}
\DeclareUnicodeCharacter{251C}{\textSFviii}
\DeclareUnicodeCharacter{2524}{\textSFix}
\DeclareUnicodeCharacter{252C}{\textSFvi}
\DeclareUnicodeCharacter{2534}{\textSFvii}
\DeclareUnicodeCharacter{253C}{\textSFv}
\DeclareUnicodeCharacter{2550}{\textSFxliii}
\DeclareUnicodeCharacter{2551}{\textSFxxiv}
\DeclareUnicodeCharacter{2552}{\textSFli}
\DeclareUnicodeCharacter{2553}{\textSFlii}
\DeclareUnicodeCharacter{2554}{\textSFxxxix}
\DeclareUnicodeCharacter{2555}{\textSFxxii}
\DeclareUnicodeCharacter{2556}{\textSFxxi}
\DeclareUnicodeCharacter{2557}{\textSFxxv}
\DeclareUnicodeCharacter{2558}{\textSFl}
\DeclareUnicodeCharacter{2559}{\textSFxlix}
\DeclareUnicodeCharacter{255A}{\textSFxxxviii}
\DeclareUnicodeCharacter{255B}{\textSFxxviii}
\DeclareUnicodeCharacter{255C}{\textSFxxvii}
\DeclareUnicodeCharacter{255D}{\textSFxxvi}
\DeclareUnicodeCharacter{255E}{\textSFxxxvi}
\DeclareUnicodeCharacter{255F}{\textSFxxxvii}
\DeclareUnicodeCharacter{2560}{\textSFxlii}
\DeclareUnicodeCharacter{2561}{\textSFxix}
\DeclareUnicodeCharacter{2562}{\textSFxx}
\DeclareUnicodeCharacter{2563}{\textSFxxiii}
\DeclareUnicodeCharacter{2564}{\textSFxlvii}
\DeclareUnicodeCharacter{2565}{\textSFxlviii}
\DeclareUnicodeCharacter{2566}{\textSFxli}
\DeclareUnicodeCharacter{2567}{\textSFxlv}
\DeclareUnicodeCharacter{2568}{\textSFxlvi}
\DeclareUnicodeCharacter{2569}{\textSFxl}
\DeclareUnicodeCharacter{256A}{\textSFliv}
\DeclareUnicodeCharacter{256B}{\textSFliii}
\DeclareUnicodeCharacter{256C}{\textSFxliv}
\DeclareUnicodeCharacter{2580}{\textupblock}
\DeclareUnicodeCharacter{2584}{\textdnblock}
\DeclareUnicodeCharacter{2588}{\textblock}
\DeclareUnicodeCharacter{258C}{\textlfblock}
\DeclareUnicodeCharacter{2590}{\textrtblock}
\DeclareUnicodeCharacter{2591}{\textltshade}
\DeclareUnicodeCharacter{2592}{\textshade}
\DeclareUnicodeCharacter{2593}{\textdkshade}
⟨/dfu⟩
```

2.7 Name list

```
⟨*name⟩
\ProvidesFile{ix-name.def}%
  [2016/05/16 v1.11 Name list (inputenx)]%
```

List omitted here, see ix-name.def.

```
⟨/name⟩
```

2.8 Mapping Slot, UC to Encodings

```
⟨*slot⟩
\ProvidesFile{ix-slot.def}%
  [2016/05/16 v1.11 SLOT and UC to Encodings (inputenx)]%
```

List omitted here, see ix-slot.def.

```
⟨/slot⟩
```

2.9 Mapping UC to LICR

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

List omitted here, see ix-uc.def.

```
5721 \RestoreAtCatcode
5722 ⟨/uc⟩
```

2.10 Math meaning declarations

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

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

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

```
5728 \DeclareMathMeaning{\ss}{\beta}
```

```
5729 \DeclareMathMeaning{\textalpha}{\alpha}
5730 \DeclareMathMeaning{\textapproxequal}{\aprox}
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}{\mathdollar}
5743 \DeclareMathMeaning{\textepsilon}{\varepsilon}
5744 \DeclareMathMeaning{\textequivalence}{\equiv}
5745 \DeclareMathMeaning{\textbraceleft}{\lbrace}
5746 \DeclareMathMeaning{\textbraceright}{\rbrace}
5747 \DeclareMathMeaning{\textdiv}{\div}
5748 \DeclareMathMeaning{\textdownarrow}{\downarrow}
5749 \DeclareMathMeaning{\textelement}{\in}
5750 \DeclareMathMeaning{\textellipsis}{\mathellipsis}
5751 \DeclareMathMeaning{\textGamma}{\Gamma}
5752 \DeclareMathMeaning{\textgreaterequal}{\geq}
5753 \DeclareMathMeaning{\textincrement}{\Delta}
5754 \DeclareMathMeaning{\textinfinity}{\infty}
5755 \DeclareMathMeaning{\textintegral}{\int}
5756 \DeclareMathMeaning{\textintersection}{\cap}
5757 \DeclareMathMeaning{\textlangle}{\langle}
5758 \DeclareMathMeaning{\textleftarrow}{\leftarrow}
5759 \DeclareMathMeaning{\textlessequal}{\leq}
5760 \DeclareMathMeaning{\textlnot}{\lnot}
5761 \DeclareMathMeaning{\textlogicalnot}{\lnot}
5762 \DeclareMathMeaning{\textlozenge}{\diamond}
5763 \DeclareMathMeaning{\textmu}{\mu}
5764 \DeclareMathMeaning{\textnotequal}{\neq}
5765 \DeclareMathMeaning{\textnsuperior}{^n}
```

```
\DeclareMathMeaning{\textohm}{\Omega}
\DeclareMathMeaning{\textOmega}{\Omega}
\DeclareMathMeaning{\textonehalf}{\frac12}
\DeclareMathMeaning{\textonequarter}{\frac14}
\DeclareMathMeaning{\textonesuperior}{^1}
\DeclareMathMeaning{\textopenbullet}{\circ}
\DeclareMathMeaning{\textparagraph}{\mathparagraph}
\DeclareMathMeaning{\textpartial}{\partial}
\DeclareMathMeaning{\textPhi}{\Phi}
\DeclareMathMeaning{\textphi}{\phi}
\DeclareMathMeaning{\textpi}{\pi}
\DeclareMathMeaning{\textproduct}{\prod}
\DeclareMathMeaning{\textrangle}{\rangle}
\DeclareMathMeaning{\textrevlogicalnot}{{\nfss@text{\textrevlogicalnot}}}
\DeclareMathMeaning{\textrightarrow}{\rightarrow}
\DeclareMathMeaning{\textsection}{\mathsection}
\DeclareMathMeaning{\textSigma}{\Sigma}
\DeclareMathMeaning{\textsigma}{\sigma}
\DeclareMathMeaning{\textsterling}{\mathsterling}
\DeclareMathMeaning{\textsummation}{\sum}
\DeclareMathMeaning{\textsurd}{\surd}
\DeclareMathMeaning{\texttau}{\tau}
\DeclareMathMeaning{\textTheta}{\Theta}
\DeclareMathMeaning{\textthreequarters}{\frac34}
\DeclareMathMeaning{\textthreesuperior}{^3}
\DeclareMathMeaning{\texttwosuperior}{^2}
\DeclareMathMeaning{\textuparrow}{\uparrow}

\RestoreAtCatcode
⟨/math⟩
```

2.11 Documentation files

2.11.1 List of known LICR commands

This is the list of commands for use in LICR that are already defined by standard LaTeX without extra packages.

```
⟨*licrcmds⟩
% List of known LICR commdands of inputenx 2016/05/16 v1.11
%
% Format: \LICRcmd{<command>}{<type>}
% Types:
%   Accent:   <command> was defined by \DeclareTextAccentDefault
%   Command:  <command> was defined by \DeclareTextCommandDefault
%   Symbol:   <command> was defined by \DeclareTextSymbolDefault
%   Internal: for \@tabacckludge
%   Extra:    additional commands
%
% Entries derived from the 2ekernel part
% of ltoutenc.dtx 2005/11/08 v1.99h.
%
\LICRcmd{\ }{Extra}
\LICRcmd{\"}{Composite}
\LICRcmd{\'}{Composite}
\LICRcmd{\-}{Extra}
\LICRcmd{\.}{Composite}
\LICRcmd{\=}{Accent}
\LICRcmd{\@tabacckludge}{Internal}
\LICRcmd{\AE}{Symbol}
\LICRcmd{\DH}{Symbol}
\LICRcmd{\DJ}{Symbol}
\LICRcmd{\H}{Composite}
\LICRcmd{\IJ}{Symbol}
```

```
\LICRcmd{\L}{Symbol}
\LICRcmd{\NG}{Symbol}
\LICRcmd{\O}{Symbol}
\LICRcmd{\OE}{Symbol}
\LICRcmd{\SS}{Symbol}
\LICRcmd{\TH}{Symbol}
\LICRcmd{\^}{Composite}
\LICRcmd{\`}{Composite}
\LICRcmd{\ae}{Symbol}
\LICRcmd{\b}{Command}
\LICRcmd{\c}{Composite}
\LICRcmd{\d}{Command}
\LICRcmd{\dh}{Symbol}
\LICRcmd{\dj}{Symbol}
\LICRcmd{\guillemotleft}{Symbol}
\LICRcmd{\guillemotright}{Symbol}
\LICRcmd{\guilsinglleft}{Symbol}
\LICRcmd{\guilsinglright}{Symbol}
\LICRcmd{\i}{Symbol}
\LICRcmd{\ij}{Symbol}
\LICRcmd{\j}{Symbol}
\LICRcmd{\k}{CompositeCommand}
\LICRcmd{\l}{Symbol}
\LICRcmd{\ng}{Symbol}
\LICRcmd{\nobreakspace}{Extra}
\LICRcmd{\o}{Symbol}
\LICRcmd{\oe}{Symbol}
\LICRcmd{\quotedblbase}{Symbol}
\LICRcmd{\quotesinglbase}{Symbol}
\LICRcmd{\r}{Composite}
\LICRcmd{\ss}{Symbol}
\LICRcmd{\t}{Accent}
\LICRcmd{\textasciicircum}{Symbol}
\LICRcmd{\textasciitilde}{Symbol}
\LICRcmd{\textasteriskcentered}{Symbol}
\LICRcmd{\textbackslash}{Symbol}
\LICRcmd{\textbar}{Symbol}
\LICRcmd{\textbardbl}{Symbol}
\LICRcmd{\textbigcircle}{Symbol}
\LICRcmd{\textbraceleft}{Symbol}
\LICRcmd{\textbraceright}{Symbol}
\LICRcmd{\textbullet}{Symbol}
\LICRcmd{\textcircled}{Command}
\LICRcmd{\textcompwordmark}{Symbol}
\LICRcmd{\textcopyright}{CommandDefault}
\LICRcmd{\textdagger}{Symbol}
\LICRcmd{\textdaggerdbl}{Symbol}
\LICRcmd{\textdollar}{Symbol}
\LICRcmd{\textellipsis}{CommandDefault}
\LICRcmd{\textemdash}{Symbol}
\LICRcmd{\textendash}{Symbol}
\LICRcmd{\textexclamdown}{Symbol}
\LICRcmd{\textgreater}{Symbol}
\LICRcmd{\textless}{Symbol}
\LICRcmd{\textogonekcentered}{Command}
\LICRcmd{\textordfeminine}{CommandDefault}
\LICRcmd{\textordmasculine}{CommandDefault}
\LICRcmd{\textparagraph}{Symbol}
\LICRcmd{\textperiodcentered}{Symbol}
\LICRcmd{\textpertenthousand}{Command}
\LICRcmd{\textperthousand}{Command}
\LICRcmd{\textquestiondown}{Symbol}
```

```
\LICRcmd{\textquotedbl}{Symbol}
\LICRcmd{\textquotedblleft}{Symbol}
\LICRcmd{\textquotedblright}{Symbol}
\LICRcmd{\textquoteleft}{Symbol}
\LICRcmd{\textquoteright}{Symbol}
\LICRcmd{\textregistered}{CommandDefault}
\LICRcmd{\textsection}{Symbol}
\LICRcmd{\textsterling}{Symbol}
\LICRcmd{\texttrademark}{CommandDefault}
\LICRcmd{\textunderscore}{Symbol}
\LICRcmd{\textvisiblespace}{Symbol}
\LICRcmd{\th}{Symbol}
\LICRcmd{\u}{Composite}
\LICRcmd{\v}{Composite}
\LICRcmd{\~}{Composite}
⟨/licrcmds⟩
```

2.11.2 Commented additions for utf8enc.dfu

```
⟨*dfudoc⟩
 % inputenx-utf8enc.txt 2016/05/16 v1.11
 % Commented additions for utf8enc.dfu

```

List omitted here, see inputenx-utf8enc.txt.

```
⟨/dfudoc⟩
```

3 Installation

3.1 Download

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

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

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

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

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

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

3.2 Bundle installation

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

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

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

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

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

3.3 Package installation

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

```
tex inputenx.dtx
```

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

inputenx.sty	→ tex/latex/oberdiek/inputenx.sty
ix-alias.def	→ tex/latex/oberdiek/ix-alias.def
ix-math.def	→ tex/latex/oberdiek/ix-math.def
ix-name.def	→ tex/latex/oberdiek/ix-name.def
ix-slot.def	→ tex/latex/oberdiek/ix-slot.def
ix-uc.def	→ tex/latex/oberdiek/ix-uc.def
ix-utf8enc.dfu	→ tex/latex/oberdiek/ix-utf8enc.dfu
x-ascii.def	→ tex/latex/oberdiek/x-ascii.def
x-verbatim.def	→ tex/latex/oberdiek/x-verbatim.def
x-atarist.def	→ tex/latex/oberdiek/x-atarist.def
x-iso-8859-1.def	→ tex/latex/oberdiek/x-iso-8859-1.def
x-iso-8859-2.def	→ tex/latex/oberdiek/x-iso-8859-2.def
x-iso-8859-3.def	→ tex/latex/oberdiek/x-iso-8859-3.def
x-iso-8859-4.def	→ tex/latex/oberdiek/x-iso-8859-4.def
x-iso-8859-5.def	→ tex/latex/oberdiek/x-iso-8859-5.def
x-iso-8859-8.def	→ tex/latex/oberdiek/x-iso-8859-8.def
x-iso-8859-9.def	→ tex/latex/oberdiek/x-iso-8859-9.def
x-iso-8859-10.def	→ tex/latex/oberdiek/x-iso-8859-10.def
x-iso-8859-13.def	→ tex/latex/oberdiek/x-iso-8859-13.def
x-iso-8859-14.def	→ tex/latex/oberdiek/x-iso-8859-14.def
x-iso-8859-15.def	→ tex/latex/oberdiek/x-iso-8859-15.def
x-iso-8859-16.def	→ tex/latex/oberdiek/x-iso-8859-16.def
x-cp437.def	→ tex/latex/oberdiek/x-cp437.def
x-cp850.def	→ tex/latex/oberdiek/x-cp850.def
x-cp852.def	→ tex/latex/oberdiek/x-cp852.def
x-cp855.def	→ tex/latex/oberdiek/x-cp855.def
x-cp858.def	→ tex/latex/oberdiek/x-cp858.def
x-cp865.def	→ tex/latex/oberdiek/x-cp865.def
x-cp866.def	→ tex/latex/oberdiek/x-cp866.def
x-cp1250.def	→ tex/latex/oberdiek/x-cp1250.def
x-cp1251.def	→ tex/latex/oberdiek/x-cp1251.def
x-cp1252.def	→ tex/latex/oberdiek/x-cp1252.def
x-cp1255.def	→ tex/latex/oberdiek/x-cp1255.def
x-cp1257.def	→ tex/latex/oberdiek/x-cp1257.def
x-dec-mcs.def	→ tex/latex/oberdiek/x-dec-mcs.def
x-koi8-r.def	→ tex/latex/oberdiek/x-koi8-r.def
x-mac-centeuro.def	→ tex/latex/oberdiek/x-mac-centeuro.def
x-mac-cyrillic.def	→ tex/latex/oberdiek/x-mac-cyrillic.def
x-mac-roman.def	→ tex/latex/oberdiek/x-mac-roman.def
x-nextstep.def	→ tex/latex/oberdiek/x-nextstep.def
inputenx.pdf	→ doc/latex/oberdiek/inputenx.pdf
inputenx-licrcmds.txt	→ doc/latex/oberdiek/inputenx-licrcmds.txt
inputenx-utf8enc.txt	→ doc/latex/oberdiek/inputenx-utf8enc.txt
inputenx.dtx	→ source/latex/oberdiek/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 (teTEX, mikTEX, ...) relies on file name databases, you must refresh these. For example, teTEX users run `texhash` or `mktexlsr`.

3.5 Some details for the interested

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

plain TEX: Run docstrip and extract the files.

LATEX: Generate the documentation.

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

```
latex \let\install=y\input{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 pdfLATEX:

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

4 Catalogue

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

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

```
<miktex location='oberdiek'/>
<texlive location='oberdiek'/>
<install path='/macros/latex/contrib/oberdiek/oberdiek.tds.zip'/>
</entry>
⟨/catalogue⟩
```

5 References

[1] Frank Mittelbach, Michel Goossens, *The LaTeX Companion*, second edition, April 2004.

[2] Alan Jeffrey, Frank Mittelbach, *inputenc.sty*, 2006/05/05 v1.1b. CTAN: macros/latex/base/inputenc.dtx

[3] Heiko Oberdiek, *The selinput package*, 2007/06/16 v1.1. CTAN:macros/latex/contrib/oberdiek/selinput.pdf

[4] Heiko Oberdiek, *The pmboxdraw package*, 2006/05/03 v1.0. CTAN:macros/latex/contrib/oberdiek/pmboxdraw.pdf

[5] Wikipedia, *Dash*. http://en.wikipedia.org/wiki/Dash

5.1 Mappings to Unicode

[6] Philippe Verdy, Bruno Haible, *AtariST to Unicode*, 22th April 2005. ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/MISC/ATARIST.TXT

[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

[9] Ken Whistler, *ISO/IEC 8859-3:1999 to Unicode*, 27th July 1999. ftp://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-3.TXT

[10] Ken Whistler, *ISO/IEC 8859-4:1998 to Unicode*, 27th July 1999. ftp://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-4.TXT

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[12] Ken Whistler, *ISO/IEC 8859-8:1999 to Unicode*, 3rd January 2000. ftp://ftp.unicode.org/Public/MAPPINGS/ISO8859/8859-8.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

[16] Helmut Richter, *KOI8-R (RFC1486) to Unicode*, 18th August 1999. ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/MISC/KOI8-R.TXT

[17] Apple Computer, *Map (external version) from MAC OS Central European character set to Unicode 2.1 and later*, 4th April 2005. ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/APPLE/CENTEURO.TXT

[18] Apple Computer, *Map (external version) from MAC OS Cyrillic character set to Unicode 2.1 and later*, 5th April 2005. ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/APPLE/CYRILLIC.TXT

[19] Apple Computer, *Map (external version) from MAC OS Roman character set to Unicode 2.1 and later*, 5th April 2005. ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/APPLE/ROMAN.TXT

[20] Apple Computer, *Map (external version) from MAC OS Urainian character set to Unicode 2.1 and later*, 5th April 2005. ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/APPLE/UKRAINE.TXT

[21] Rick McGowan, *NextStep Encoding to Unicode*, 23rd September 1999. ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/NEXT/NEXTSTEP.TXT

6 History

[2006/03/05 v1.0]

- First version.

[2007/04/11 v1.1]

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

[2007/06/16 v1.2]

- Documentation update.

[2007/08/16 v1.3]

- Fix for U+0135: `\^j` → `\^\j` (Behnam Tabatabai).

[2009/08/13 v1.4]

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

[2009/12/15 v1.5]

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

[2010/01/11 v1.6]

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

[2011/02/08 v1.7]

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

[2011/04/10 v1.8]

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

[2011/04/26 v1.9]

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

[2011/05/27 v1.10]

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

[2016/05/16 v1.11]

- Documentation updates.

7 Index

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

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