# code-page a style to handle different code-pages in the same document

## Alain Aubord

November 29, 2008

#### Abstract

This package provides some new commands to handle code page<sup>1</sup>. This text describes the interface offered by the package and some problems which occur when the implementation is done only in T<sub>E</sub>X.

# 1 Introduction

The version 3 of TeX provides some facilities to work with documents written in a language different than English. Mainly, by allowing the use of characters coded on eight bits (values from 1 to 255) and the possibility to use multiple hyphenation tables.

Although, this improvements are necessary, they are not sufficient. The standard LATEX style should be adapted to the different languages and new polices of characters containing glyphs<sup>2</sup> for the characters used in other language than English should be defined.

The style Babel and the new font Dc have been developed to solve these problems. Well, one could think, "don't worry, be happy", documents will be typeset without problem. Unfortunately this is not exactly the case, but the problem is outside TeX: there isn't any unique code page! Moreover some systems allow the use of many different code pages. The Dc font obeys more or less to the Iso Latin Set 1 standard, but many other code pages exist. The solutions to this problem are multiples:

- The use of on external program to do the translation. If the program is well interfaced with TEX (like the TCP tables of EMTEX) this solution is very efficient and comfortable to use. But its main disadvantage is to be implementation specific, and the transfer of the document on an other TEX implementation is not easy.
- The use of virtual fonts to match the position of each character in a font to the local code page. This solution is fully integrated with TeX<sup>3</sup>, but when a document is transferred, all the virtual fonts should be given with the document (or defined at the other place), and the problem of hyphenation (see 1.1) is not solved.
- The use of the standard convention to write accented character in TeX (i.e.\'e for é). This solution works well with DC fonts (due to a very clever redefinition of macros for positioning accent) and, naturally, is totally portable with any TeX (version 2 and 3). But the typing of accented characters is clumsy (even with a good editor) and the reading is boring.
- The use of the package codepage which is totally TEX (version 3 only) compatible. It can be used to typeset without any modifications a document with an other code page than those of the local computer (this may be useful for a demo version of a document) and the problem of hyphenation is partially (for hyphenation exceptions) solved. But the transfer of document implies the use of package and most of characters above 127 are made "active" (they are like macros). This could cause some interference with other packages.

<sup>&</sup>lt;sup>1</sup>A code page is the convention for associating a character with a number used to represent it in a computer.

<sup>&</sup>lt;sup>2</sup>Most foreign languages use characters with accent or diacritical marks. The traditional way to draw an accented character in TeX is the composition, — i.e. by using a macro to put an accent over a letter —. This method offer the possibility to put accent on any character, but prohibit hyphenation on word containing an accented letter.

<sup>&</sup>lt;sup>3</sup>Some old driver don't work with virtual fonts.

As one could see, no solution is totally perfect, this is due to the lack of a standard for code page not to  $T_EX^4$ .

## 1.1 The hyphenation problem

The algorithm used in the TeX program to hyphenate word is based on patterns read when the format<sup>5</sup> is build. During the build of the hyphenation table, all the characters are put to lowercase by using the \lccode value. When a string of characters in a text is to be hyphenated, it is put in lowercase by using the \lccode value and the compared with hyphenation table to find a good break point.

If the pattern file use the \lccode values defined for the DC font (which is generally the case), a match will never occur with the character above 127 in a text with a different code page since the \lccode are adapted to that code page<sup>6</sup>. Despite this fact, the use of a pattern file containing characters above 127 is a good idea<sup>7</sup>, because the results are surprisingly good (almost with French language). Moreover, the package codepage provides the command \MakeHyphenationLetter to adapt locally the \lccode value to a value usable by the \hyphenation command.

## 2 The user interface

The prime goal of the interface was to be "as simple as possible". Therefore it's composed by two macros and some constants:

The code pages are defined by constants:

\FourThreeSeven for the code page 437 of the PC; this code page is the standard code page used with English system.

\EightFiveZero for the code page 850. This code page is similar to code page 437 but contain more accented characters and less mathematical and special glyphs. It is used by international systems.

\IsoOne Iso Latin set 1 (the windows characters).

\Mac MAC INTOSH characters.

The T<sub>F</sub>X encoding are defined by two other constants:

\CM for the standard original TeX encoding. This code is defined on only 128 position and does not contain characters with diacritical marks.

\DC for the new code defined at Cork. When this code is chosen, the DC fonts should be available.

Now the two main macros:

 $\coloredge$  This macro has two parameters which should be the constants defined above. The first parameter is the local code page, the second the encoding of the fonts used with  $T_EX$  (\DC,\CM). This macro redefines all the macros for putting accent over a letter, the original macro is saved under a new name.

<sup>&</sup>lt;sup>4</sup>If, one day, a such standard should be established, no doubts it will be defined on sixteen bits (number from 1 to 65535) to allow special characters for every applications (math symbols, foreign languages, etc...).

<sup>&</sup>lt;sup>5</sup>A format is a precompiled version of commands used to composed a document.

<sup>&</sup>lt;sup>6</sup>This is mandatory to have a correct behaviour with the command \uppercase and \lowercase, which transform a character in lower or upper case, according to the values: \lccode and \uccode.

<sup>&</sup>lt;sup>7</sup>The modification of the original pattern file should not be done to preserve portability and (often) to respect the wish of maintainer who want to have a standard file.

New name	Original command
\Grave	\'
\Circumflex	\^
\Tilda	\~
\OverBar	<b>\=</b>
\UnderBar	\b
\Join	\t
\HungarUmlaut	/H
\Acute	\',
\Diaresis	/"
\Breve	\u
\OverDot	\.
\UnderDot	\d
\Tcheche	\v
\Cedille	\c

After the call of \codepage all the characters above 127 are "active".

\MakeHyphenationLetter#1#2 This macro has two parameters, the first is the local code page and the second is a character above 127. This macro should always be called in a group (i.e. inside braces) to avoid undesirable change of \lccode. After the call, the letter can be use in the macro \hyphenation to construct correct pattern for hyphenation exceptions. Unfortunately this is not one way transformation, and two different characters above 127 could have the same \lccode. In this case a warning is used, but this could affect only exceptionally the use of \hyphenation command<sup>8</sup>. This macro is defined only when the Dc encoding is chosen.

\CurrentEncoding This macro contain the value of the encoding chosen. Its value is meaningful only after the call to the \codepage command.

Now we have some other macros defined by the package. Normally they should be quite rarely used:

\TRtrue to allow the translation of special characters (this is the default value!).

\TRfalse to suppress the translation of special character. This is useful when writing special characters into auxiliary (external) files like (.idx, .toc). Sometimes, the translation should be done only when these files are read again and not when they are written.

\AllActive put the \catcode for all characters above 127 to \active.

\AllOther put the \catcode for all characters above 127 to the value 12 (other).

\og draw the opening french guillomet (defined only when CM encoding is used).

\fg draw the closing french guillomet (defined only when CM encoding is used).

\atcatcode contain the value of the \catcode for the character @ or \relax outside the part of code where this \catcode is modified.

\CurrentEncoding contain the value of the TEX encoding choosen.

# 3 A short example (for LATEX2e)

```
\documentclass{article}
  \usepackage{t1enc,codepage}
  {\MakeHyphenationLetter{\EightFiveZero}{\end{e}}
    \hyphenation{sys-t\end{e}-mes}
  }
  \codepage{\EightFiveZero}{\DC}
```

<sup>&</sup>lt;sup>8</sup>The tests done with the French language haven't shown any problem, although some french letters are in conflict.

```
\begin{document}
   Unix est un joli système d'exploitation.
\end{document}
```

This example will work correctly if all the characters above 127 are usable. Some implementations (like EMTEX) map all characters above 127 on character 127 or use special translation tables (TCP tables for EMTEX). With EMTEX the options /8 should be used when the format is generated.

# 4 The implementation

## 4.1 Introduction

The package is divided in three parts:

- 1. The drawing of characters<sup>9</sup>.
- 2. The definition for the different code pages.
- 3. The interface.

Inside the package the characters above 127 are defined by commands whose names try to follow the standard defined by the Postscript language (\eacute will draw the character é).

The definition of a code page is done by associating a character with the command which draw it. To be more precise the command **\eacute** does not draw the character directly, but it define an active character to draw the glyph "e acute". Thus a code page table is a call to a command which define each character from this code page to become an active character which draw the desired glyph.

In addition, the associated code (\uccode and \lccode) are adapted to the values used in the code page to have a correct behaviour with the commands \uppercase and \lowercase. The change of \lccode prohibit correct hyphenation<sup>10</sup>, therefore the command \MakeHyphenationLetter is provided to circumvent this problem.

## 4.2 File codepage.sty

First of all, a general purpose counter used in all package is declared:

1 (\*codepage)

Now we save the category code for the character @

- 2 \chardef\atcatcode=\catcode'\@
- 3 \catcode'\@=11\relax

and we define some conditionals to be able to test:

- what format is used (because some commands do not exist in TeX)
- if the translation should be executed on every special character. This is obviously almost ever the case (why else using this package ?!) but in some cases this is not a good solution. When the special characters are written in an auxiliary files, it could be better to translate them when the text is read again, specially if these characters should be transform by commands such \lowercase or \uppercase.
- if it's the first time that the command \codepage is called, because the definition for the command drawing of accents should be saved just the first time (to avoid recursion problem).
- 4 \newif\if@FirstCodePageCall
- 5 \@FirstCodePageCalltrue
- $6 \neq 6$
- 8 \TRtrue

<sup>&</sup>lt;sup>9</sup>Not all the characters in all code page could be represented in T<sub>E</sub>X.

<sup>&</sup>lt;sup>10</sup>Generally, the hyphenation patterns are defined with the Dc characters and it's not a good idea to modify this file to adapt it to a particular code page.

Here is the test to know if the format is plain TEX or LATEX. This code is stolen from [2].

```
9 \expandafter\ifx\csname @currsize\endcsname\relax\TeXtrue\else\TeXfalse\fi
10 \ifTeX
11 \message{codepage.sty used in TeX context}%
12 \else
13 \typeout{codepage.sty used in LaTeX context}%
14 \fi
```

#### \@BadHyphenCarMsg

This macro is defined here because it's used in all code page tables. It issue a warning when a special character is used to hyphenate a word, but it is not really a letter. A symbol drawn using mathematical mode of TeX could not be used to hyphenate word.

```
15 \def\@BadHyphenCarMsg#1{%
16 \ifTeX
      \message{Warning: the character \string #1 is not a character
17
               to form a word}%
18
      \message{Hyphenation can't be done with it}%
19
20 \else
      \typeout{Warning: the character \string #1 is not a character
21
22
               to form a word}%
23
      \typeout{Hyphenation can't be done with it}%
24 \fi
25 }%@BadHyphenCarMsg
```

#### \@ConflictHyphenCarMsg

Due to the manner to treat the hyphenation (see paragraph 4.4), some conflicts could arise between two characters for hyphenation. The two arguments of the macro are the two characters in conflict.

```
26 \def\@ConflictHyphenCarMsg#1#2{%
27 \ifTeX
28 \message{Warning the character #1 could be in conflict}%
29 \message{with character #2 for hyphenation algorithm !}%
30 \else
31 \typeout{Warning the character #1 could be in conflict}%
32 \typeout{with character #2 for hyphenation algorithm !}%
33 \fi
34 }%\@ConflictHyphenCarMsg
```

Now we could declare the interface of the package, first the definition of constants

```
35 \chardef\CM=0%
36 \chardef\DC=1%
37 \chardef\FourThreeSeven=0%
38 \chardef\EightFiveZero=1%
39 \chardef\IsoOne=2%
40 \chardef\Mac=3%

The target font is CM encoding
The target font is DC encoding
Code page 437
Code page 850
Iso latin set 1
Apple Mac Intosh characters
```

\codepage

This is the main macro which take two parameters:

- 1. the source code page of the document;
- 2. the encoding scheme chosen for the output (T1 or OT1).

After the call of the macro, all the characters above 127 are made "active". Some characters draw their shape, the other issue a warning indicating that they could not be drawn with TEX commands.

The first thing to do is the save of the current encoding in a global variable and the save of the original macros for putting accents over letter. This should be done inside the macro to be independent of the order of style's declarations and it should be done just once to avoid the recursion problem.

```
41 \def\codepage#1#2{%
42 \chardef\CurrentEncoding=#2%
43 \if@FirstCodePageCall
44 \let\Grave=\'%
45 \let\Circumflex=\^%
46 \let\Tilda=\~%
47 \let\OverBar=\=%
```

```
\let\UnderBar=\b%
48
    \left| \int \int \int dx \, dx \right| dx
49
    \let\HungarUmlaut=\H%
50
51
    \let\Acute=\'%
    \let\Diaresis=\"%
52
    \let\Breve=\u%
53
    \let\OverDot=\.%
    \let\UnderDot=\d%
    \label{let_Tcheche=} v%
56
    \let\Cedille=\c%
57
    \@FirstCodePageCallfalse
58
59 \fi
```

All the characters upper 127 are made active and the table for the code page of document is set.

```
60 \AllActive
61 \ifcase#1%
62 \input code437 %
63 \or
64 \input code850 %
65 \or
66 \input codeiso1 %
67 \or
68 \input codemac %
69 \fi
```

The last thing to do is to save with an other name the standard macros for drawing accent which are modified by "tabbing" environment of LATEX and the suppression of white space generated. Thus the same macro's name could be used everywhere to put accent on character.

```
70 \let\@Grave=\'%
71 \let\@Aigu=\'%
72 \let\@OverBar=\=%
73 \ignorespaces
74 }%\codepage
```

### \AllActive

```
75 \def\AllActive{%
76 \catcode'\^^80=\active \catcode'\^^81=\active \catcode'\^^82=\active
77 \catcode'\^^83=\active \catcode'\^^84=\active \catcode'\^^85=\active
78 \catcode'\^86=\active \catcode'\^87=\active \catcode'\^88=\active
79 \catcode'\^^89=\active \catcode'\^^8b=\active \catcode'\^^8b=\active
80 \catcode'\^^8c=\active \catcode'\^^8d=\active \catcode'\^^8e=\active
81 \catcode'\^^8f=\active \catcode'\^^90=\active \catcode'\^^91=\active
82 \catcode'\^92=\active \catcode'\^93=\active \catcode'\^94=\active
83 \catcode'\^^95=\active \catcode'\^^96=\active \catcode'\^^97=\active
84 \catcode'\^^98=\active \catcode'\^^99=\active \catcode'\^^9a=\active
85 \catcode'\^^9b=\active \catcode'\^^9c=\active \catcode'\^^9d=\active
86 \catcode'\^^9e=\active \catcode'\^^9f=\active \catcode'\^^a0=\active
87 \catcode'\^a1=\active \catcode'\^a2=\active \catcode'\^a3=\active
88 \catcode'\^a4=\active \catcode'\^a5=\active \catcode'\^a6=\active
89 \catcode'\^a7=\active \catcode'\^a8=\active \catcode'\^a9=\active
90 \catcode'\^aa=\active \catcode'\^ab=\active \catcode'\^ac=\active
91 \catcode'\^ad=\active \catcode'\^ae=\active \catcode'\^af=\active
92 \catcode'\^^b0=\active \catcode'\^^b1=\active \catcode'\^^b2=\active
93 \catcode'\^^b3=\active \catcode'\^^b4=\active \catcode'\^^b5=\active
94 \catcode'\^^b6=\active \catcode'\^^b7=\active \catcode'\^^b8=\active
95 \catcode'\^^b9=\active \catcode'\^^ba=\active \catcode'\^^bb=\active
96 \catcode'\^^bc=\active \catcode'\^^bd=\active \catcode'\^^be=\active
97 \catcode'\^^bf=\active \catcode'\^^c0=\active \catcode'\^^c1=\active
98 \catcode'\^^c2=\active \catcode'\^^c3=\active \catcode'\^^c4=\active
99 \catcode'\^^c5=\active \catcode'\^^c6=\active \catcode'\^^c7=\active
100 \catcode'\^^c8=\active \catcode'\^^c9=\active \catcode'\^^ca=\active
101 \catcode'\^^cb=\active \catcode'\^^cc=\active \catcode'\^^cd=\active
102 \catcode'\^^ce=\active \catcode'\^^cf=\active \catcode'\^^d0=\active
```

```
103 \catcode'\^^d1=\active \catcode'\^^d2=\active \catcode'\^^d3=\active
104 \cdot catcode' \land d4=\cdot catcode' \land d5=\cdot catcode' \land d6=\cdot catcod
105 \catcode'\^^d7=\active \catcode'\^^d8=\active \catcode'\^^d9=\active
106 \catcode'\^^da=\active \catcode'\^^db=\active \catcode'\^^dc=\active
107 \catcode'\^^dd=\active \catcode'\^^de=\active \catcode'\^^df=\active
108 \catcode'\^^e0=\active \catcode'\^^e1=\active \catcode'\^^e2=\active
109 \catcode'\^^e3=\active \catcode'\^^e4=\active \catcode'\^^e5=\active
110 \catcode'\^^e6=\active \catcode'\^^e7=\active \catcode'\^^e8=\active
111 \catcode'\^^e9=\active \catcode'\^^ea=\active \catcode'\^^eb=\active
112 \colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\colored{\color
113 \catcode'\^^ef=\active \catcode'\^^f0=\active \catcode'\^^f1=\active
114 \catcode'\^^f2=\active \catcode'\^^f3=\active \catcode'\^^f4=\active
115 \catcode'\^^f5=\active \catcode'\^^f6=\active \catcode'\^^f7=\active
116 \catcode'\^^f8=\active \catcode'\^^f9=\active \catcode'\^^fa=\active
117 \catcode'\^^fb=\active \catcode'\^^fc=\active \catcode'\^^fd=\active
118 \catcode ^{\hat{}} \catcode \catcode \catcode \catcode
119 }% \AllActive
```

#### \AllOther

#### 120 \def\AllOther{%

This definition is used to save space (two digits take twice as space than and macro) and to clarify the meaning of catcode.

```
121 \chardef\other=12\relax
122 \catcode'\^80=\other \catcode'\^81=\other \catcode'\^82=\other
123 \catcode'\^^83=\other \catcode'\^^84=\other \catcode'\^^85=\other
124 \catcode'\^^86=\other \catcode'\^^87=\other \catcode'\^^88=\other
125 \catcode'\^^89=\other \catcode'\^^8a=\other \catcode'\^^8b=\other
126 \catcode'\^^8c=\other \catcode'\^^8d=\other \catcode'\^^8e=\other
127 \catcode'\^^8f=\other \catcode'\^^90=\other \catcode'\^^91=\other
128 \catcode'\^^92=\other \catcode'\^^93=\other \catcode'\^^94=\other
129 \catcode'\^^95=\other \catcode'\^^96=\other \catcode'\^^97=\other
130 \catcode'\^^98=\other \catcode'\^^99=\other \catcode'\^^9a=\other
131 \catcode'\^^9b=\other \catcode'\^^9c=\other \catcode'\^^9d=\other
132 \catcode'\^^9e=\other \catcode'\^^9f=\other \catcode'\^^a0=\other
133 \catcode'\^^a1=\other \catcode'\^^a2=\other \catcode'\^^a3=\other
134 \catcode'\^a4=\other \catcode'\^a5=\other \catcode'\^a6=\other
135 \catcode'\^^a7=\other \catcode'\^^a8=\other \catcode'\^^a9=\other
136 \catcode'\^^aa=\other \catcode'\^^ab=\other \catcode'\^^ac=\other
137 \catcode'\^ad=\other \catcode'\^ae=\other \catcode'\^af=\other
138 \catcode'\^^b0=\other \catcode'\^^b1=\other \catcode'\^^b2=\other
139 \catcode'\^^b3=\other \catcode'\^^b5=\other
140 \catcode'\^^b6=\other \catcode'\^^b7=\other \catcode'\^^b8=\other
141 \catcode'\^^b9=\other \catcode'\^^ba=\other \catcode'\^^bb=\other
142 \catcode'\^^bc=\other \catcode'\^^bd=\other \catcode'\^^be=\other
143 \catcode'\^^bf=\other \catcode'\^^c0=\other \catcode'\^^c1=\other
144 \catcode'\^^c2=\other \catcode'\^^c3=\other \catcode'\^
145 \catcode'\^^c5=\other \catcode'\^^c6=\other \catcode'\^^
                                                                                                      ^c7=\other
146 \catcode'\^^c8=\other \catcode'\^^c9=\other \catcode'\^^ca=\other
147 \catcode`\^^cb=\other \catcode`\^^cc=\other \catcode`\^^cd=\other
148 \catcode'\^^ce=\other \catcode'\^^cf=\other \catcode'\^^d0=\other
149 \catcode'\^^d1=\other \catcode'\^^d2=\other \catcode'\^^d3=\other
150 \catcode'\^^d4=\other \catcode'\^^d5=\other \catcode'\^^d6=\other
151 \catcode'\^^d7=\other \catcode'\^^d8=\other \catcode'\^^d9=\other
152 \catcode'\^^da=\other \catcode'\^^db=\other \catcode'\^^dc=\other
153 \catcode'\^^dd=\other \catcode'\^^de=\other \catcode'\^^df=\other
154 \catcode'\^^e0=\other \catcode'\^^e1=\other \catcode'\^^e2=\other
155 \catcode'\^^e3=\other \catcode'\^^e4=\other \catcode'\^^e5=\other
156 \catcode'\^^e6=\other \catcode'\^^e7=\other \catcode'\^^e8=\other
157 \color{157} 
158 \catcode`\^^ec=\other \catcode`\^^ed=\other \catcode`\^^ee=\other
159 \catcode'\^^ef=\other \catcode'\^^f1=\other
160 \catcode'\^\hat{1}=\other \catcode'\^\hat{1}=\other \catcode'\^\hat{1}=\other
```

```
161 \catcode'\^^f5=\other \catcode'\^^f6=\other \catcode'\^^f7=\other 162 \catcode'\^^f8=\other \catcode'\^^f9=\other \catcode'\^^fd=\other 163 \catcode'\^^fb=\other \catcode'\^^fc=\other 164 \catcode'\^^fe=\other \catcode'\^^ff=\other 165 \% \All0ther
```

\MakeHyphenationLetter

This macro allow a special letter to be use in a \hyphenation command to declare hyphenation exceptions. To do the hyphenation TEX will transform all the characters to lowercase (by using the \lowercase primitive) and then compare the string of characters with the table of hyphenation; if a match is found the hyphenation could be done.

The \lccode and the \uccode are always defined in term of code page of document (for instance the code page 850 of PC), but the process of hyphenation comes at a very late stage when all the characters are already translated in the Dc encoding. Thus a match is never possible. The macro \MakeHyphenationLetter will then change locally the value of \lccode to anticipate what it will be when the character is translated. Unfortunately this transformation is not one way, and different characters could give the same result, but this case is quite rare and a warning is issued.

The two parameters for the macro are the code page of the document and the letter to be used in the \hyphenation command.

```
166 \def\MakeHyphenationLetter#1#2{%
167
      \ifcase#1%
168
          \@MakeHyphenationFourThreeSeven{#2}%
169
          \@MakeHyphenationEightFiveZero{#2}%
170
171
      \or
          \@MakeHyphenationLatinOne{#2}%
172
173
      \or
174
          \@MakeHyphenationMac{#2}%
      \fi
176 }% MakeHyphenationLetter
```

\@CarSmalle

Macros that work only with L<sup>A</sup>T<sub>E</sub>X, and draw character smaller (two steps less than current writing size ie. normalsize is set to footnotesize). With T<sub>E</sub>X this macros does nothing.

```
177 \def\@CarSmaller{\ifTeX
                      %Do nothing
178
179
                      \else
180
                      %We are in LaTeX
181
                        \ifx\@currsize\normalsize\relax
182
                              \footnotesize
183
                        \else
                           \ifx\@currsize\small\relax
184
                              \scriptsize
185
                           \else
186
                              \ifx\@currsize\footnotesize\relax
187
188
189
                                 \ifx\@currsize\scriptsize\relax
190
191
                                      \tiny % we cannot have less
                                 \fi
192
                              \fi
193
                           \fi
194
                        \fi
195
                        \ifx\@currsize\large\relax
196
197
                            \small
                        \else
198
                         \ifx\@currsize\Large\relax
199
                               \normalsize
200
201
                            \else
202
                               \ifx\@currsize\LARGE\relax
203
                                    \large
204
                               \else
                                  \ifx\@currsize\huge\relax
205
206
                                      \Large
```

```
207
                                                 \else
                                                     \ifx\@currsize\Huge\relax
               208
                                                        \LARGE
              209
                                                    \fi
              210
              211
                                                 \fi
              212
                                              \fi
              213
                                          \fi
                                       \fi
              214
                                     \fi
              215
                                    }% \@CarSmaller
              216
       \@Sup
              217 \def\@Sup#1{%
                      \ifmmode
               218
                         ^{\hbox{\@CarSmaller #1}}%
              219
               220
                       \else
                         $^{\hbox{\@CarSmaller #1}}$%
               222
                       \fi
               223 }%\@Sup
              Create a fraction (for one half, one quarter etc.)
               224 \def\@Fraction#1#2{%
                        \ifmmode
              225
                          \ifTeX
              226
                            #1\over#2%
              227
                          \else
              228
                            \frac{#1}{#2}%
              229
                          \fi
               230
               231
                        \else
               232
                          \ightharpoonup
               233
                            $#1\over#2$%
               234
                          \else
               235
                            $\frac{#1}{#2}$%
                          \fi
               236
               237
                        \fi
               238 }%\@Fraction
               MathSymbol defines its first parameter to print the mathematical symbol given as second parameter
\@MathSymbol
               (given without \)
               239 \def\@MathSymbol#1#2{%
                          %Do the global definitions
               240
               241
                          \gdef#1{\ifTR}
               242
                                     \ifmmode
               243
                                     % Already in math ==> no $
                                       \csname#2\endcsname
               245
                                     \else
               246
                                       $\csname#2\endcsname$%
                                     \fi
               247
                                   \else
               248
                                   %No translation to do
               249
                                     \string#1%
               250
              251
                                   \fi
                                 3%
               252
                      }%\@MathSymbol
               @InMath write its argument in mathematical mode (given without \)
    \@InMath
               254 \def\@InMath#1{%
               255
                                     \ifmmode
                                     % Already in math ==> no $
               256
              257
                                       \csname#1\endcsname
                                     \else
              258
                                       $\csname#1\endcsname$%
               259
               260
                                     \fi
                        }%\@InMath
               261
```

```
\@UC
                262 \def\@UC#1#2#3{%
                      \global\uccode'#1=#2\global\lccode'#1=#3%
                264 }%
                Define the default macro for an active character which could not be printed.
\@DefaultValue
                265 \def\@DefaultValue#1{%
                266 \ifTeX
                      \message{The character No #1 doesn't exist in target
                267
                268
                               font (ignored) !}%
                269 \else
                270
                       \typeout{The character No #1 doesn't exist in target
                               font (ignored) !}%
                272 \fi
                273 }%
                 The last thing to do is to restore the value of @ character
                274 \catcode'\@=\atcatcode \let\atcatcode\relax
```

# 4.3 The drawing of characters (Files shapecm.tex, shapedc.tex)

One file for every different possible (in TEX) coding scheme is used. Each file should define macros to draw the characters and the accents in TEX. All files should contain the same macros. Two types of macros are provided:

- The macros prefixed with the @ character which are used to facilitate the drawing of some characters. These macros should be global and shared by all the active characters (thus they are declared in the file codepage.tex).
- The macros to define active characters. The name of these macro follows the Postscript conventions for character's name (whenever possible) and does not contain an @ character.

The auxiliary macros which are used are:

275 (/codepage)

\@Sup to put its argument in superscript

**\@Fraction** to create a fraction with the first parameter over the second in smaller size than the current writing size.

\@CarSmaller which change the font to have a font two steps smaller than the current font (do nothing in TFX).

\@MathSymbol draw a predefined TFX math symbol.

\CUC just to have one macro for doing the same action many times.

```
276 (*shapecm)
277 \chardef\atcatcode=\catcode'\@
278 \catcode'\@=11\relax
```

\@StartNewWord

This macro give the possibility to hyphenate word containing special characters between the syllabs containing the accented character. The trick used is to isolate a special character by surrounding it with "end of word" mark (i.e. a white space of 0pt where the hyphenation is prohibited).

These techniques are used since many year in TEX communauty.

\@TreatDotLessCar Change a dot character to remove the dot when used with an accented character.

```
280 \gdef\@TreatDotLessCar#1#2{%
281 \@StartNewWord
282 \ifx#1i%
283 \csname#2\endcsname \i
284 \else
285 \ifx#1j%
```

```
286
                         \csname#2\endcsname \i
287
                       \else
                         \csname#2\endcsname #1%
288
289
                       \fi
290
                     \fi
                     \@StartNewWord}%
291
     \gdef\'#1{{\@TreatDotLessCar{#1}{Grave}}}%
292
     \gdef\^#1{{\@TreatDotLessCar{#1}{Circumflex}}}%
293
294
     \gdef\~#1{{\@TreatDotLessCar{#1}{Tilda}}}%
     295
     \gdef\b#1{{\underbar #1\@StartNewWord}}%
296
     \label{lem:condition} $$ \left( \mathbb{T}_{0} - \mathbb{C}_{1} \right) = \mathbb{C}_{1} . $$
297
     \gdef\H#1{{\@TreatDotLessCar{#1}{HungarUmlaut}}}%
298
     \gdef\',#1{{\@TreatDotLessCar{#1}{Acute}}}%
299
     \gdef\"#1{{\@TreatDotLessCar{#1}{Diaresis}}}%
300
     \gdef\u#1{{\@TreatDotLessCar{#1}{Breve}}}%
     \gdef\.#1{{\@TreatDotLessCar{#1}{OverDot}}}%
     \gdef\d#1{{\UnderDot #1\@StartNewWord}}%
     \gdef\v#1{{\@TreatDotLessCar{#1}{Tcheche}}}%
     \gdef\c#1{{\Cedille #1\@StartNewWord}}%
```

Now we should define the definition for the french quotation marks which aren't defined in the CM font. The code is taken from [3].

```
\gdef\og{\leavevmode\raise.3ex\hbox{$\scriptscriptstyle\langle\!\langle\,$}}% \gdef\fg{\leavevmode\raise.3ex\hbox{$\scriptscriptstyle\,\rangle\!\rangle$}}%
```

This is a rudimentary code to obtain pounds sign in T<sub>F</sub>X mode.

```
308 \ifTeX\gdef\pounds{{\it\$}}\fi
```

The macros for defining a active character to draw its glyph has always three parameters:

- 1. The character in source font (should be active before the call)
- 2. The uppercase code
- 3. The lowercase code

```
309 \def\dieresis#1#2#3{%
```

This macro will define an active character to draw a "diaresis" character. The first thing to do is to set the \lccode and \uccode to values meaningful for the code page of the document.

```
310 \@UC{#1}{#2}{#3}%
```

Then, depending on the TEX encoding, the translation is done if the test \ifTR is true, else the character is left verbatim (with \catcode=12). When \ifTR is true, the character is written \char "xx for the DC encoding and it is composed (i.e. \'e) for the CM encoding.

```
\gdef#1{\ifTR\char"7F{}\else\string#1\fi}%
311
312 }%
313 \def\acute#1#2#3{%
314
         \@UC{#1}{#2}{#3}%
         \gdef#1{\left(\frac{13}{\else\string}1\right)}
315
316 }%
317 \def\cedilla#1#2#3{%
318
         \@UC{#1}{#2}{#3}%
         \gdef#1{\ifTR\char"18{}\else\string#1\fi}%
319
320 }%
321 \def\Agrave#1#2#3{%
322
         \@UC{#1}{#2}{#3}%
         323
324 }%
325 \def\Aacute#1#2#3{%
326
         \@UC{#1}{#2}{#3}%
         \label{limmode} $$ \left(A\right)\left(A\right) = CAigu\{A\} \right. $$ \left(AB\right)^{1}. $$
327
328 7%
329 \def\Acircumflex#1#2#3{%
```

```
330
       \@UC{#1}{#2}{#3}%
331
       332 }%
333 \def\Atilde#1#2#3{%
       \@UC{#1}{#2}{#3}%
       335
336 }%
337 \def\Adieresis#1#2#3{%
       \@UC{#1}{#2}{#3}%
       \label{liminode} $$ \left( A\right) = \mathbb{A} + 1_{ifTR \in \mathbb{A}} \leq \mathbb{A}^{1} \leq \mathbb{A}^{1}. $$
339
340 }%
341 \def\Aring#1#2#3{%
       \@UC{#1}{#2}{#3}%
342
343
       \gdef#1{\left(\frac{AA}{}\right)}
344 }%
345 \def\fiLigature#1#2#3{%
       \@UC{#1}{#2}{#3}%
347
       \gdef#1{\left\{ifTR\{fi\}\right\}} else\\ string#1\\ ifi\\ %
348 }%
349 \def\flLigature#1#2#3{%
       \@UC{#1}{#2}{#3}%
350
       \gdef#1{\left\{ifTR\{fl\}\right\}}
351
352 }%
353 \def\AE#1#2#3{%
       \@UC{#1}{#2}{#3}%
355
       \gdef#1{\ifTR\AE{}\else\string#1\fi}%
356 }%
357 \def\Ccedilla#1#2#3{%
       \@UC{#1}{#2}{#3}%
359
       \gdef#1{\left( C\right) else\string#1\fi}%
360 }%
361 \def\Egrave#1#2#3{%
       \@UC{#1}{#2}{#3}%
362
       \label{lem:condition} $$ \left( \frac{E}\left( \frac{E}\right) \right) = \frac{E}\left( \frac{E}\left( \frac{E}\right) \right) . $$
363
364 }%
365 \def\Eacute#1#2#3{%
       \@UC{#1}{#2}{#3}%
366
       367
368 }%
370
       \@UC{#1}{#2}{#3}%
       371
372 }%
373 \def\Edieresis#1#2#3{%
374
       \@UC{#1}{#2}{#3}%
       375
376 }%
377 \def\Igrave#1#2#3{%
       \@UC{#1}{#2}{#3}%
378
379
       380 }%
381 \def\Iacute#1#2#3{%
       \@UC{#1}{#2}{#3}%
382
       383
384 }%
385 \def\Icircumflex#1#2#3{%
386
       \@UC{#1}{#2}{#3}%
       387
389 \def\Idieresis#1#2#3{%
390
       \@UC{#1}{#2}{#3}%
391
```

```
392 }%
393 \def\DBar#1#2#3{%
394
                                  \@UC{#1}{#2}{#3}%
395
                                             % nothing to do we use the default value
396 }%
397 \def\Ntilde#1#2#3{%
                                  \@UC{#1}{#2}{#3}%
399
                                   400 }%
401 \ensuremath{\mbox{\mbox{$\mbox{$}}}\xspace} 401 \ensuremath{\mbox{$\mbox{$}$}}\xspace \ensuremath{\mbox{$\mbox{$}}\xspace} 401 \ensuremath{\mbox{$\mbox{$}}\xspace} 800 \ensuremath{\mbox{$\mbox{$}}\xspace} 800 \ensuremath{\mbox{$}}\xspace \ens
                                 \@UC{#1}{#2}{#3}%
402
                                  403
404 }%
405 \def\Oacute#1#2#3{%
                                  \@UC{#1}{#2}{#3}%
407
                                  408 }%
409 \def\Ocircumflex#1#2#3{%
                                 \@UC{#1}{#2}{#3}%
                                  \label{limbourder} $$ \left(0\right)^{0}\left(s\right)^{0}\left(s\right)^{0}\left(s\right)^{0}. $$
411
412 }%
413 \def\Otilde#1#2#3{%
                                 \@UC{#1}{#2}{#3}%
414
                                  \label{liminode} $$ \left(0\right)^{0}\left(0\right)^{0}\left(0\right)^{0}\
415
416 }%
417 \def\Odieresis#1#2#3{%
                                 \@UC{#1}{#2}{#3}%
                                  420 }%
421 \def\Oslash#1#2#3{%
422
                                 \@UC{#1}{#2}{#3}%
                                  \gdef#1{\left(\frac{1}{1}\right)}\else\string#1\fi}%
423
424 }%
425 \def\Ugrave#1#2#3{%
426
                                   \@UC{#1}{#2}{#3}%
                                   427
428 }%
430
                                  \@UC{#1}{#2}{#3}%
                                   \label{limmode} $$ \left(U\right)\left(U\right) \leq U(U) \leq U(U
431
432 }%
433 \def\Ucircumflex#1#2#3{%
                                  \@UC{#1}{#2}{#3}%
434
                                   435
436 }%
437 \def\Udieresis#1#2#3{%
438
                                   \@UC{#1}{#2}{#3}%
                                   \label{limmode} $$ \left( U \right) = \T(U) fi \le \tring#1 fi) % $$
440 }%
441 \def\Yacute#1#2#3{%
442
                                \@UC{#1}{#2}{#3}%
                                  443
444 }%
445 \def\Thorn#1#2#3{%
446
                            \@UC{#1}{#2}{#3}%
447
                                            % no definition in CM
448 }%
449 \def\germandbls#1#2#3{%
                                   \@UC{#1}{#2}{#3}%
450
451
                                   \gdef#1{\ifTR{SS}\else\string#1\fi}%
452 }%
453 \def\agrave#1#2#3{%
```

```
\@UC{#1}{#2}{#3}%
454
455
                                                   \label{lem:condition} $$ \left( \frac{1}{ifTR \cdot grave\{a\} \cdot gr
456 }%
457 \def\aacute#1#2#3{%
                                                   \@UC{#1}{#2}{#3}%
                                                   \label{liminode} $$ \left(a\right)\left(a\right) = \CAigu{a} \right. $$ \left(a\right) = \CAigu{a} \right. $$
459
460 }%
461 \def\acircumflex#1#2#3{%
462
                                                   \@UC{#1}{#2}{#3}%
                                                   \label{liminode} $$ \left(\frac{a}\right)^{a}\left(\frac{\pi}{a}\right)^{a} \leq \frac{\pi}{a}. $$
463
464 }%
465 \def\atilde#1#2#3{%
                                                   \@UC{#1}{#2}{#3}%
                                                   \label{liminode} $$ \left(a\right)^{a}\left(a\right)^{a}\left(a\right)^{a}\
467
468 }%
469 \def\adieresis#1#2#3{%
                                                   \@UC{#1}{#2}{#3}%
471
                                                   472 }%
473 \def\aring#1#2#3{%
                                                  \@UC{#1}{#2}{#3}%
474
                                                   \gdef#1{\left(\frac{1}{TR}aa{}\right)}
475
476 }%
477 \def\ae#1#2#3{%
                                                  \@UC{#1}{#2}{#3}%
478
                                                   \gdef#1{\ifTR\ae{}\else\string#1\fi}%
480 }%
481 \def\ccedilla#1#2#3{%
482
                                                   \@UC{#1}{#2}{#3}%
483
                                                   \gdef#1{\left( c\right) else\string#1\fi}%
484 7%
485 \def\egrave#1#2#3{%
                                                   \@UC{#1}{#2}{#3}%
486
                                                   \label{lem:condition} $$ \left(\frac{1}{ifTR \cdot grave\{e\} \cdot gra
487
488 }%
489 \def\eacute#1#2#3{%
                                                   \@UC{#1}{#2}{#3}%
490
                                                   \label{limmode} $$ \left(e^{e}\right)^{e} e^{fi\leq s^{1}} e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi}e^{fi
491
492 }%
493 \def\ecircumflex#1#2#3{%
494
                                                   \@UC{#1}{#2}{#3}%
                                                   495
496 }%
497 \def\edieresis#1#2#3{%
                                                   \@UC{#1}{#2}{#3}%
498
                                                   499
500 }%
501 \def\igrave#1#2#3{%
                                                   \@UC{#1}{#2}{#3}%
502
503
                                                   504 }%
505 \def\iacute#1#2#3{%
                                                   \@UC{#1}{#2}{#3}%
506
                                                   507
508 }%
509 \def\icircumflex#1#2#3{%
510
                                                   \@UC{#1}{#2}{#3}%
                                                   \gdef#1{\left(ifTR\right)}\else^{i}\left(is(s)^{i}\right)
511
513 \def\idieresis#1#2#3{%
514
                                                   \@UC{#1}{#2}{#3}%
515
```

```
516 }%
517 \def\dBar#1#2#3{%
518
                  \@UC{#1}{#2}{#3}%
519
                         % no definition in CM
520 }%
521 \def\ntilde#1#2#3{%
                   \@UC{#1}{#2}{#3}%
523
                   524 }%
525 \def\ograve#1#2#3{%
                  \@UC{#1}{#2}{#3}%
526
                   \label{lem:condition} $$ \left( \frac{1}{i} \right) else \ensuremath{\color=0} \fi \le \frac{1}{i} else \ensuremath{\color=0} \fi \le \frac{1}
527
528 }%
529 \def\oacute#1#2#3{%
                   \@UC{#1}{#2}{#3}%
                   532 }%
533 \def\ocircumflex#1#2#3{%
                  \@UC{#1}{#2}{#3}%
                   535
536 }%
537 \def\otilde#1#2#3{%
                  \@UC{#1}{#2}{#3}%
538
                   539
540 }%
541 \def\odieresis#1#2#3{%
                  \@UC{#1}{#2}{#3}%
                  544 }%
545 \def\OE#1#2#3{%
546
                  \@UC{#1}{#2}{#3}%
547
                  \gdef#1{\ifTR\OE{}\else\string#1\fi}%
548 }%
549 \def\oe#1#2#3{%
550
                   \@UC{#1}{#2}{#3}%
                   \gdef#1{\ifTR\oe{}\else\string#1\fi}%
551
552 }%
553 \def\oslash#1#2#3{%
554
                   \@UC{#1}{#2}{#3}%
555
                   \gdef#1{\left(ifTR\left(o\right)\right)}\else\string#1\left(ifi\right)%
556 }%
557 \def\ugrave#1#2#3{%
                   \@UC{#1}{#2}{#3}%
558
                   559
560 }%
561 \def\uacute#1#2#3{%
562
                   \@UC{#1}{#2}{#3}%
                   564 }%
565 \def\ucircumflex#1#2#3{%
566
                  \@UC{#1}{#2}{#3}%
                   567
568 }%
569 \def\udieresis#1#2#3{%
570
                   \@UC{#1}{#2}{#3}%
571
                   572 }%
573 \def\yacute#1#2#3{%
                   \@UC{#1}{#2}{#3}%
574
575
                   576 }%
577 \def\thorn#1#2#3{%
```

```
578
                        \@UC{#1}{#2}{#3}%
579
                               % no definition in CM
580 }%
581 \def\ydieresis#1#2#3{%
                       \@UC{#1}{#2}{#3}%
                        583
584 }%
585 \def\Ydieresis#1#2#3{%
                       \@UC{#1}{#2}{#3}%
586
                       \label{limmode} $$ \left( \frac{Y}\right)^{Y} \leq \frac{Y}{fi} else \right)^{H} (fi)^{H} (fi)^{H}
587
588 }%
589 %
590 \def\alpha#1#2#3{%
591
                       \@UC{#1}{#2}{#3}%
592
                       \@MathSymbol{#1}{alpha}%
593 }%
594 \def\approx#1#2#3{%
595
                       \@UC{#1}{#2}{#3}%
596
                       \@MathSymbol{#1}{approx}%
597 }%
598 \ensuremath{\mbox{\mbox{\mbox{$1$}}}\xspace 14243\%
                       \@UC{#1}{#2}{#3}%
599
                       \@MathSymbol{#1}{beta}%
600
601 }%
602 \def\bullet#1#2#3{%
                       \@UC{#1}{#2}{#3}%
603
604
                       \@MathSymbol{#1}{bullet}%
605 }%
606 \def\cap#1#2#3{%
607
                       \@UC{#1}{#2}{#3}%
                       \@MathSymbol{#1}{cap}%
608
609 }%
610 \def\cent#1#2#3{%
                       \@UC{#1}{#2}{#3}%
611
                              % no definition in CM
612
                            % no definition in DC
613
614 }%
615 \def\guillemeotright#1#2#3{%
616
                       \@UC{#1}{#2}{#3}%
                        \gdef#1{\left\{\inf TR\left\{f\right\}\right\}} else\\ string#1\\ fi\\ %
617
618 }%
619 \def\copyright#1#2#3{%
                       \@UC{#1}{#2}{#3}%
620
                        621
622 }%
623 \def\currency#1#2#3{% character hex A4 in Iso latin set 1
                       \@UC{#1}{#2}{#3}%
624
                              % no definition in CM
626 }%
627 \def\degree#1#2#3{%
                      \@UC{#1}{#2}{#3}%
628
629 }%
630 \def\dag#1#2#3{%
                       \@UC{#1}{#2}{#3}%
631
632
                       \@MathSymbol{#1}{dag}%
633 }%
634 \def\ddag#1#2#3{%
                       \@UC{#1}{#2}{#3}%
635
                       \@MathSymbol{#1}{ddag}%
636
637 }%
638 \def\delta#1#2#3{%
639
                      \@UC{#1}{#2}{#3}%
```

```
640
         \@MathSymbol{#1}{delta}%
641 }%
642 \def\div#1#2#3{%
         \@UC{#1}{#2}{#3}%
643
         \@MathSymbol{#1}{div}%
644
645 }%
646 \def\diamond#1#2#3{%
647
         \@UC{#1}{#2}{#3}%
         \@MathSymbol{#1}{Diamond}%
648
649 }%
650 \def\emptysetSign#1#2#3{%
         \@UC{#1}{#2}{#3}%
651
652
         \@MathSymbol{#1}{emptyset}% is nicer than epsilon
653 }%
654 \def\section#1#2#3{%
655
         \@UC{#1}{#2}{#3}%
656
         \gdef#1{\left\{\S\right\}\else\left(\string#1\right\}\%}
657 }%
658 \def\epsilon#1#2#3{%
         \@UC{#1}{#2}{#3}%
659
         \@MathSymbol{#1}{varepsilon}% is nicer than epsilon
660
661 }%
662 \def\equiv#1#2#3{%
         \@UC{#1}{#2}{#3}%
663
664
         \@MathSymbol{#1}{equiv}%
666 \def\ellipsis#1#2#3{%
667
         \@UC{#1}{#2}{#3}%
668
         \gdef#1{\ifTR{...}\else\string#1\fi}%
669 }%
670 \def\exclamdown#1#2#3{%
         \@UC{#1}{#2}{#3}%
671
672
         \gdef#1{\ifTR{!'}\else\string#1\fi}%
673 }%
674 \def\ordfeminine#1#2#3{%
         \@UC{#1}{#2}{#3}%
675
         \gdef#1{\left(\frac{3}{b}\right)}\else\\string#1\\fi}%
676
677 }%
678 \def\geq#1#2#3{%
         \@UC{#1}{#2}{#3}%
679
680
         \@MathSymbol{#1}{geq}%
681 }%
682 \def\Gamma#1#2#3{%
         \@UC{#1}{#2}{#3}%
683
684
         \@MathSymbol{#1}{Gamma}%
685 }%
686 \def\infty#1#2#3{%
687
         \@UC{#1}{#2}{#3}%
688
         \@MathSymbol{#1}{infty}%
689 }%
690 \def\leq#1#2#3{%
         \@UC{#1}{#2}{#3}%
691
         \@MathSymbol{#1}{leq}%
692
693 }%
694 \def\emdash#1#2#3{%
695
         \@UC{#1}{#2}{#3}%
         \gdef#1{\ifTR{---}\else\string#1\fi}%
696
697 }%
698 \def\ordmasculine#1#2#3{%
         \@UC{#1}{#2}{#3}%
         700
701 }%
```

```
702 \def\mu#1#2#3{%
703
         \@UC{#1}{#2}{#3}%
704
         \@MathSymbol{#1}{mu}%
705 }%
706 \def\neg#1#2#3{%
        \@UC{#1}{#2}{#3}%
707
         \@MathSymbol{#1}{neg}%
709 }%
710 \def\neq#1#2#3{%
        \@UC{#1}{#2}{#3}%
711
712
         \@MathSymbol{#1}{neq}%
713 }%
714 \def\unbreakablespace#1#2#3{%
715
        \@UC{#1}{#2}{#3}%
716
         \gdef#1{\ifTR~\else\string#1\fi}%
717 }%
718 \def\Omega#1#2#3{%
719
        \@UC{#1}{#2}{#3}%
720
         \@MathSymbol{#1}{Omega}%
721 }%
722 \def\OneHalf#1#2#3{%
        \@UC{#1}{#2}{#3}%
723
         724
725 }%
726 \def\OneQuarter#1#2#3{%
         \@UC{#1}{#2}{#3}%
728
         729 }%
730 \def\guilletmotleft#1#2#3{%
731
         \@UC{#1}{#2}{#3}%
732
         \gdef#1{\left\{\inf TR \log {\}} \right\} \enskip in fi}%
733 }%
734 \def\Pi#1#2#3{%
         \@UC{#1}{#2}{#3}%
735
         \@MathSymbol{#1}{Pi}%
736
737 }%
738 \def\pi#1#2#3{%
739
         \@UC{#1}{#2}{#3}%
740
         \@MathSymbol{#1}{pi}%
741 }%
742 \def\pm#1#2#3{%
         \@UC{#1}{#2}{#3}%
743
         \@MathSymbol{#1}{pm}%
744
745 }%
746 \def\ParagraphSign#1#2#3{%
747
         \@UC{#1}{#2}{#3}%
         \gdef#1{\left\{ P\right\} } \else\string#1\fi}%
748
749 }%
750 \def\partial#1#2#3{%
751
         \@UC{#1}{#2}{#3}%
         \@MathSymbol{#1}{partial}%
752
753 }%
754 \def\Phi#1#2#3{%
        \@UC{#1}{#2}{#3}%
755
756
         \@MathSymbol{#1}{Phi}%
757 }%
758 \def\pounds#1#2#3{%
         \@UC{#1}{#2}{#3}%
         \gdef#1{\ifTR\pounds{}\else\string#1\fi}%
761 }%
762 \def\powerone#1#2#3{%
        \@UC{#1}{#2}{#3}%
```

```
764
         \gdef#1{\left(\Sup\{1\}\right)}\else\\string#1\\fi}%
765 }%
766 \def\powerthree#1#2#3{%
         \@UC{#1}{#2}{#3}%
767
         \gdef#1{\left(\Sup{3}\right)}\else\\string#1\\fi}%
768
769 }%
770 \def\powertwo#1#2#3{%
771
         \@UC{#1}{#2}{#3}%
         772
773 }%
774 \def\questiondown#1#2#3{%
         \@UC{#1}{#2}{#3}%
775
776
         \gdef#1{\ifTR{?'}\else\string#1\fi}%
777 }%
778 \def\register#1#2#3{%
779
        \@UC{#1}{#2}{#3}%
780
           % no definition in CM
781
           % no definition in DC
782 }%
783 \def\Sigma#1#2#3{%
        \@UC{#1}{#2}{#3}%
784
         \@MathSymbol{#1}{Sigma}%
785
786 }%
787 \def\sigma#1#2#3{%
         \@UC{#1}{#2}{#3}%
         \@MathSymbol{#1}{sigma}%
790 }%
791 \def\quoteright#1#2#3{%
792
         \@UC{#1}{#2}{#3}%
793
         \gdef#1{\ifTR{'}\else\string#1\fi}%
794 }%
795 \def\quoteleft#1#2#3{%
         \@UC{#1}{#2}{#3}%
796
         \gdef#1{\ifTR{'}\else\string#1\fi}%
797
798 }%
799 \def\splitbar#1#2#3{%
         \@UC{#1}{#2}{#3}%
800
801
            % no definition in CM
802 }%
803 \def\tau#1#2#3{%
         \@UC{#1}{#2}{#3}%
804
         \@MathSymbol{#1}{tau}%
805
806 }%
807 \def\ThetaSign#1#2#3{%
         \@UC{#1}{#2}{#3}%
808
809
         \@MathSymbol{#1}{Theta}%
810 }%
811 \def\threequarter#1#2#3{%
812
         \@UC{#1}{#2}{#3}%
         \gdef#1{\ifTR{\QFraction{3}{4}}}\else\string#1\fi}%
813
814 }%
815 \def\times#1#2#3{%
816
       \@UC{#1}{#2}{#3}%
         \@MathSymbol{#1}{times}%
817
818 }%
819 \def\trademark#1#2#3{%
         \@UC{#1}{#2}{#3}%
820
         \gdef#1{\left(\frac{TM}{else\left(\frac{TM}{fi}\right)}\right)}
821
823 \def\quotedblright#1#2#3{%
824
         \@UC{#1}{#2}{#3}%
         \gdef#1{\ifTR{''}\else\string#1\fi}%
825
```

```
826 }%
827 \def\quotedblleft#1#2#3{%
         \@UC{#1}{#2}{#3}%
828
829
         \gdef#1{\ifTR{''}\else\string#1\fi}%
830 }%
831 \def\yen#1#2#3{%
         \@UC{#1}{#2}{#3}%
833
            % no definition in CM
834
           % no definition in DC
835 }%
836 \def\perthousand#1#2#3{\%}
         \@UC{#1}{#2}{#3}%
837
            % no definition in CM
838
           % no definition in DC
839
840 }%
841 \def\florin#1#2#3{%
         \@UC{#1}{#2}{#3}%
843
         844 }%
845 \catcode \ensuremath{\mbox{\ensuremath{$0$}}} \catcode \let\atcatcode \relax
846 (/shapecm)
```

These macros redefines all the effect of the macros to put accents on characters in order to produce directly the character in the font Dc. The code is stolen from the file DCLFONT.STY from the NFSS distribution. Two reasons have dictated this choice:

- When NFSS is not used, the composition of character+accent will give directly the accented character:
- When NFSS is used, it's better to have the translation done in command \char 'xxx instead of ^^xx. This avoid bad translation when an auxiliary file is reread.

The first thing to do is to save the catcode of @ character.

```
847 (*shapedc)
848 \chardef\atcatcode=\catcode'\@
849 \catcode \@=11\relax
850 \global\chardef\aa="0E5%
851 \global\chardef\ae="0E6%
852 \global\chardef\l="OAA%"
853 \global\chardef\coe="OF7%"
854 \global\chardef\o="0F8%"
855 \global\chardef\ss="OFF%
856 \global\chardef\AA="0C5%
857 \global\chardef\AE="0C6%
858 \global\chardef\L="8A%
859 \global\chardef\OE="OD7%
860 \global\chardef\O="0D8%
861 \global\chardef\SS="ODF%
862 \global\chardef\i="19%
863 \global\chardef\j="1A%
864 \global\chardef\pounds="OBF%" 
865 \gdef\hbar{{\mathchar'11\mkern-9muh}}%
866 \def\@accent@def#1#2#3{\expandafter\gdef
         \csname @#1@\string#2@#1@\endcsname{#3}}%
867
868 \gdef\@accent@use#1#2#3{%
     \expandafter\ifx \csname @#1@\string#3@#1@\endcsname \relax
        {\accent#2 #3}%
       \else \csname @#1@\string#3@#1@\endcsname\fi}%
871
872 \gdef\'{\@accent@use{grave}{0}}%
873 \let\@accii=\'%
876 \@accent@def{grave}{\i}{\char"EC{}}%
```

```
880 \@accent@def{grave}{A}{\char"CO{}}%
881 \@accent@def{grave}{E}{\char"C8{}}%
882 \@accent@def{grave}{I}{\char"CC{}}%
883 \ensuremath{\texttt{Qaccent@def\{grave\}\{0\}\{\char"D2\{\}\}\%}}
885 \gdef\'{\@accent@use{acute}{1}}%
886 \let\@acci=\'%
888 \@accent@def{acute}{1}{\char"A8{}}%
891 \c ent @def{acute}{z}{\c ent @def{blue}}
892 \@accent@def{acute}{a}{\char"E1{}}%
893 \@accent@def{acute}{e}{\char"E9{}}%
894 \@accent@def{acute}{\i}{\char"ED{}}%
895 \@accent@def{acute}{i}{\char"ED{}}%
896 \@accent@def{acute}{o}{\char"F3{}}%
897 \@accent@def{acute}{u}{\char"FA{}}%
898 \@accent@def{acute}{y}{\char"FD{}}%
899 \@accent@def{acute}{N}{\char"8B{}}%
900 \@accent@def{acute}{L}{\char"88{}}%
901 \ensuremath{\mbox{Qaccent@def{acute}{R}_{\char"8F{}}}}
902 \@accent@def{acute}{S}{\char"91{}}%
905 \@accent@def{acute}{E}{\char"C9{}}%
906 \@accent@def{acute}{I}{\char"CD{}}%
907 \@accent@def{acute}{0}{\char"D3{}}%
908 \@accent@def{acute}{U}{\char"DA{}}%
909 \@accent@def{acute}{Y}{\char"DD{}}%
910 \ensuremath{\mbox{\tt Qaccent@def{acute}{c}_{\mbox{\tt Char"A2{}}}}\%
911 \@accent@def{acute}{C}{\char"82{}}%
912 \gdef\v{\@accent@use{check}{7}}%
913 \ensuremath{\mbox{\tt Qaccent@def\{check}\{c\}\{\char"A3\{\}\}\%\)}
914 \c ent @def{check}{e}{\c ent @def{check}}%
915 \@accent@def{check}{n}{\char"AC{}}%
916 \@accent@def{check}{r}{\char"B0{}}%
917 \@accent@def{check}{s}{\char"B2{}}%
918 \@accent@def{check}{z}{\char"BA{}}%
919 \@accent@def{check}{C}{\char"83{}}%
920 \@accent@def{check}{D}{\char"84{}}%
921 \@accent@def{check}{E}{\char"85{}}%
922 \ensuremath{\texttt{022}} \ensuremath{\texttt{032}} \ensuremath{\texttt{04}} \ensuremath{\texttt{04}} \ensuremath{\texttt{05}} \ensuremath{\texttt{05}} \ensuremath{\texttt{04}} \ensuremath{\texttt{05}} \ensu
923 \@accent@def{check}{R}{\char"90{}}%
925 \ensuremath{\texttt{025}}\ \ensuremath{\texttt{025}}\
926 \@accent@def{check}{Z}{\char"9A{}}%
927 \gdef\u{\@accent@use{breve}{8}}%
928 \@accent@def{breve}{a}{\char"A0{}}%
930 \@accent@def{breve}{A}{\char"80{}}%
931 \ensuremath{\texttt{Qaccent@def\{breve\}\{G\}\{\char"87\{\}\}\%}
932 \gdef\=#1{{\accent9 #1}}%
933 \let\@acciii=\=%
934 \gdef\^{\@accent@use{circflx}{2}}%
935 \@accent@def{circflx}{a}{\char"E2{}}%
936 \@accent@def{circflx}{e}{\char"EA{}}%
937 \@accent@def{circflx}{\i}{\char"EE{}}%
938 \@accent@def{circflx}{i}{\char"EE{}}%
```

```
940 \@accent@def{circflx}{u}{\char"FB{}}%
 941 \@accent@def{circflx}{A}{\char"C2{}}%
 942 \@accent@def{circflx}{E}{\char"CA{}}%
 943 \@accent@def{circflx}{I}{\char"CE{}}%
 944 \cent{def\{circflx}{0}{\char"D4{}}%
 947 \ensuremath{\mbox{Qaccent@def{dot}{z}{\char"BB{}}}\
 950 \@accent@def{dot}{i}{i}%
 951 \gdef\H{\QaccentQuse{Hung}{5}}%
 952 \ensuremath{\mbox{Qaccent@def{Hung}{o}_{\mbox{char}"AE{}}}\%
 953 \ensuremath{\mbox{QaccentQdef{Hung}{u}}{\char"B6{}}}%
 954 \@accent@def{Hung}{0}{\char"8E{}}%
 955 \ensuremath{\mbox{Qaccent@def{Hung}{U}_{\char}"96{}}}%
 956 \gdef^{\c} \@accent@use{tilde}{3}}%
 957 \@accent@def{tilde}{a}{\char"E3{}}%
 958 \@accent@def{tilde}{n}{\char"F1{}}%
 959 \@accent@def{tilde}{o}{\char"F5{}}%
 961 \@accent@def{tilde}{N}{\char"D1{}}%
 962 \@accent@def{tilde}{0}{\char"D5{}}%
 963 \gdef\"{\@accent@use{Umlaut}{4}}%
 964 \@accent@def{Umlaut}{a}{\char"E4{}}%
 967 \@accent@def{Umlaut}{i}{\char"EF{}}%
 968 \@accent@def{Umlaut}{o}{\char"F6{}}%
 969 \@accent@def{Umlaut}{u}{\char"FC{}}%
 971 \@accent@def{Umlaut}{E}{\char"CB{}}%
 972 \@accent@def{Umlaut}{I}{\char"CF{}}%
 973 \@accent@def{Umlaut}{0}{\char"D6{}}%
 974 \@accent@def{Umlaut}{U}{\char"DC{}}%
 975 \gdef\pb#1{\oalign{#1\crcr\hidewidth
              \vosetime to.2ex{\hbox{\char9}\vss}\hidewidth}}%
 977 \gdef\pc#1{\expandafter\ifx}
 978
              \csname @cedilla@\string#1@cedilla@\endcsname \relax
 979
              \c@dilla#1\else \csname @cedilla@\string#1@cedilla@\endcsname\fi}%
 981 \c ent @def{cedilla}{t}{\c ent @B5{}}%
 982 \@accent@def{cedilla}{c}{\char"E7{}}%
 983 \cent{@def{cedilla}{S}{\char"93{}}}%
 984 \cent{def{cedilla}{T}{\char}95{}}%
 985 \@accent@def{cedilla}{C}{\char"C7{}}%
 986 \gdef\c@dilla#1{\setbox\z@\hbox{#1}\ifdim\ht\z@=1ex\accent11 #1%
           \end{ar} $$ \left( \operatorname{lign} \right) \left( \operatorname{lign} \left( \operatorname{lign} \right) \right) \right) $$ is $$ (a) $$ (a) $$ is $$ (a) $$ (a
 988 %
 989 \def\dieresis#1#2#3{%
 990
                  \@UC{#1}{#2}{#3}%
                  \del{fifth} $$ \left(\frac{1}{\pi \cdot 004}\right)\leq \frac{1}{i}R\del{fifth} $$
 991
 992 }%
 993 \def\acute#1#2#3{%
 994
                  \@UC{#1}{#2}{#3}%
                  \gdef#1{\left(\frac{1}{1}R\right)} \le \left(\frac{1}{1}\left(\frac{1}{1}\right)\right)
 995
 996 7%
 997 \def\cedilla#1#2#3{%
                  \@UC{#1}{#2}{#3}%
 999
                  \gdef#1{\ifTR\char"OD{}\else\string#1\fi}%
1000 }%
```

```
1001 \def\Agrave#1#2#3{%
1002
                         \@UC{#1}{#2}{#3}%
1003
                         \gdef#1{\left(\frac{CO}{}\right)} \le \frac{1}{i} %
1004 }%
1005 \def\Aacute#1#2#3{%
                       \@UC{#1}{#2}{#3}%
                         \gdef#1{\left(\frac{C1}{}\right)} \le \bigg(\frac{1}{i} \right)
1008 }%
1009 \def\Acircumflex#1#2#3{%
                       \@UC{#1}{#2}{#3}%
1010
                        \gdef#1{\left(\frac{C2}{\right)}} \le string#1\fi}%
1011
1012 }%
1013 \def\Atilde#1#2#3{%
1014
                       \@UC{#1}{#2}{#3}%
1015
                        \gdef#1{\left(\frac{C3{}}\right)}\else\\string#1\fi}%
1016 }%
1017 \def\Adieresis#1#2#3{%
1018
                        \@UC{#1}{#2}{#3}%
1019
                         \gdef#1{\left(\frac{C4{}}\right)} else\\string#1\\fi}%
1020 }%
1021 \ensuremath{\mbox{\mbox{$1$}}\mbox{$2$}} 4 \ensuremath{\mbox{\mbox{$2$}}\mbox{$2$}} 1021 \ensuremath{\mbox{$3$}\mbox{$4$}\mbox{$4$}} 1021 \ensuremath{\mbox{$3$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$}\mbox{$4$
                        \@UC{#1}{#2}{#3}%
1022
                         \gdef#1{\left(\frac{C5}{}\right)} \le \string#1\fi}%
1023
1024 }%
1025 \def\fiLigature#1#2#3{%
                        \@UC{#1}{#2}{#3}%
1027
                         \gdef#1{\left\{ifTR\{fi\}\else\string#1\fi\}\%\right\}}
1028 }%
1029 \def\flLigature#1#2#3{%
1030
                       \@UC{#1}{#2}{#3}%
                         \gdef#1{\left\{ifTR\{fl\}\right\}else\left\{string#1\right\}\%}
1031
1032 }%
1033 \def\AE#1#2#3{%
                        \@UC{#1}{#2}{#3}%
1034
                         \del{fifth} $$ \def#1{\left(\frac{C6}{}\right)=\string#1\fi}%
1035
1036 }%
1037 \def\Ccedilla#1#2#3{%
                         \@UC{#1}{#2}{#3}%
1039
                         \gdef#1{\ifTR\char"C7{}\else\string#1\fi}%
1040 }%
1041 \def\Egrave#1#2#3{%
                        \@UC{#1}{#2}{#3}%
1042
                         \gdef#1{\left(\frac{C8}{\right)}} else\\string#1\\fi}%
1043
1044 }%
1045 \def\Eacute#1#2#3{%
                         \@UC{#1}{#2}{#3}%
1046
                         \gdef#1{\left(\frac{C9}{}\right)}\else\\string#1\fi}%
1047
1049 \def\Ecircumflex#1#2#3{%
                        \@UC{#1}{#2}{#3}%
                         \gdef#1{\ifTR\char"CA{}\else\string#1\fi}%
1051
1052 }%
1053 \def\Edieresis#1#2#3{%
                       \@UC{#1}{#2}{#3}%
1054
1055
                        \gdef#1{\ifTR\char"CB{}\else\string#1\fi}%
1056 }%
1057 \def\Igrave#1#2#3{%
                        \@UC{#1}{#2}{#3}%
                        \gdef#1{\ifTR\char"CC{}\else\string#1\fi}%
1060 }%
1061 \def\Iacute#1#2#3{%
1062
                       \@UC{#1}{#2}{#3}%
```

```
\gdef#1{\left(\frac{CD}{}\right)} \le \frac{1}{i} %
1063
1064 }%
1065 \def\Icircumflex#1#2#3{%
1066
           \@UC{#1}{#2}{#3}%
           \gdef#1{\ifTR\char"CE{}\else\string#1\fi}%
1068 }%
1069 \def\Idieresis#1#2#3{%
1070
           \@UC{#1}{#2}{#3}%
           \gdef#1{\left(\frac{CF_{}}{else_{fing}#1}\right)}%
1071
1072 }%
1073 \def\DBar#1#2#3{%
          \@UC{#1}{#2}{#3}%
1074
           \gdef#1{\ifTR\char"D0{}\else\string#1\fi}%
1075
1076 }%
1077 \def\Ntilde#1#2#3{%
           \@UC{#1}{#2}{#3}%
1079
           \gdef#1{\left(\frac{TR}{char}\right)}\else\\string#1\\fi}%
1080 }%
1081 \def\Ograve#1#2#3{%
1082
           \@UC{#1}{#2}{#3}%
           \gdef#1{\left(\frac{n}{2}\right)}\else\\string#1\\fi}%
1083
1084 }%
1085 \def\Oacute#1#2#3{%
           \@UC{#1}{#2}{#3}%
1086
           \gdef#1{\left(\frac{3}{\right)}} \le string#1\fi}%
1087
1088 }%
1089 \def\Ocircumflex#1#2#3{%
           \@UC{#1}{#2}{#3}%
1091
           \gdef#1{\ifTR\char"D4{}\else\string#1\fi}%
1092 }%
1093 \def\Otilde#1#2#3{%
           \@UC{#1}{#2}{#3}%
1094
           \gdef#1{\left(\frac{TR}{char}\right)} \le \frac{1}{i} 
1095
1096 7%
1097 \def\Odieresis#1#2#3{%
1098
           \@UC{#1}{#2}{#3}%
           \gdef#1{\left(\frac{TR}{char}\right)} \le \frac{1}{i}%
1099
1100 }%
1101 \def\Oslash#1#2#3{%
1102
           \@UC{#1}{#2}{#3}%
           \gdef#1{\ifTR\char"D8{}\else\string#1\fi}%
1103
1104 }%
1105 \def\Ugrave#1#2#3{%
           \@UC{#1}{#2}{#3}%
1106
           \gdef#1{\left(\frac{3}{1}\right)} else\\string#1\\fi\\%
1107
1108 }%
1109 \def\Uacute#1#2#3{%
           \@UC{#1}{#2}{#3}%
           \gdef#1{\ifTR\char"DA{}\else\string#1\fi}%
1111
1112 }%
1113 \def\Ucircumflex#1#2#3{%
          \@UC{#1}{#2}{#3}%
1114
           \gdef#1{\ifTR\char"DB{}\else\string#1\fi}%
1115
1116 }%
1117 \def\Udieresis#1#2#3{%
1118
           \@UC{#1}{#2}{#3}%
           \gdef#1{\ifTR\char"DC{}\else\string#1\fi}%
1119
1120 }%
1121 \def\Yacute#1#2#3{%
1122
           \@UC{#1}{#2}{#3}%
           \gdef#1{\left(\frac{TR}{char}\right)}\else\\string#1\fi}%
1123
1124 }%
```

```
1125 \def\Thorn#1#2#3{%
1126
           \@UC{#1}{#2}{#3}%
1127
           \gdef#1{\ifTR\char"DE{}\else\string#1\fi}%
1128 }%
1129 \def\germandbls#1#2#3{%
          \@UC{#1}{#2}{#3}%
           \gdef#1{\left(\frac{TR}{char}\right)}\else\\string#1\fi}%
1132 }%
1133 \def\agrave#1#2#3{%
          \@UC{#1}{#2}{#3}%
1134
1135
           1136 }%
1137 \def\aacute#1#2#3{%
          \@UC{#1}{#2}{#3}%
1138
1139
           \gdef#1{\ifTR\char"E1{}\else\string#1\fi}%
1140 }%
1141 \def\acircumflex#1#2#3{%
1142
          \@UC{#1}{#2}{#3}%
1143
           \gdef#1{\left(\frac{E2}{}\right)} else\\string#1\\fi}%
1144 }%
1145 \def\atilde#1#2#3{%
          \@UC{#1}{#2}{#3}%
1146
           \gdef#1{\left(\frac{E3}{}\right)} = \int \frac{1}{i} % \left(\frac{1}{i} \right) dt
1147
1148 }%
1149 \def\adieresis#1#2#3{%
1150
           \@UC{#1}{#2}{#3}%
           \gdef#1{\left(\frac{E4}{}\right)} else\\string#1\\fi}%
1152 }%
1153 \def\aring#1#2#3{%
1154
          \@UC{#1}{#2}{#3}%
           \gdef#1{\left(\frac{E5}{}\right)} else\\string#1\\fi}%
1155
1156 }%
1157 \def\ae#1#2#3{%
           \@UC{#1}{#2}{#3}%
1158
1159
           \gdef#1{\ifTR\char"E6{}\else\string#1\fi}%
1160 }%
1161 \def\ccedilla#1#2#3{%
           \@UC{#1}{#2}{#3}%
1163
           \gdef#1{\ifTR\char"E7{}\else\string#1\fi}%
1164 }%
1165 \def\egrave#1#2#3{%
           \@UC{#1}{#2}{#3}%
1166
           \gdef#1{\left(\frac{E8}{\right)}} else\\ string#1\\fi}%
1167
1168 }%
1169 \def\eacute#1#2#3{%
1170
           \@UC{#1}{#2}{#3}%
           \gdef#1{\left(\frac{E9}{}\right)}\else\\string#1\fi}%
1171
1172 }%
1173 \def\ecircumflex#1#2#3{%
          \@UC{#1}{#2}{#3}%
           \gdef#1{\ifTR\char"EA{}\else\string#1\fi}%
1175
1176 }%
1177 \def\edieresis#1#2#3{%
          \@UC{#1}{#2}{#3}%
1178
1179
           \gdef#1{\ifTR\char"EB{}\else\string#1\fi}%
1180 }%
1181 \def\igrave#1#2#3{%
1182
           \@UC{#1}{#2}{#3}%
           \gdef#1{\ifTR\char"EC{}\else\string#1\fi}%
1184 }%
1185 \def\iacute#1#2#3{%
1186
          \@UC{#1}{#2}{#3}%
```

```
\gdef#1{\left(\frac{ED}{}\right)} \le \left(\frac{1}{i}\right)^{2}
1187
1188 }%
1189 \def\icircumflex#1#2#3{%
1190
           \@UC{#1}{#2}{#3}%
           \gdef#1{\ifTR\char"EE{}\else\string#1\fi}%
1192 }%
1193 \def\idieresis#1#2#3{%
1194
          \@UC{#1}{#2}{#3}%
           \gdef#1{\ifTR\char"EF{}\else\string#1\fi}%
1195
1196 }%
1197 \def\dBar#1#2#3{%
          \@UC{#1}{#2}{#3}%
1198
           \gdef#1{\ifTR\char"F0{}\else\string#1\fi}%
1199
1200 }%
1201 \def\ntilde#1#2#3{%
1202
           \@UC{#1}{#2}{#3}%
1203
           \gdef#1{\left(\frac{F1}{}\right)} \le \bigg(\frac{1}{i} \right)
1204 }%
1205 \def\ograve#1#2#3{%
          \@UC{#1}{#2}{#3}%
1206
           \gdef#1{\left(\frac{F2}{\right)}} else\\string#1\\fi}%
1207
1208 7%
1209 \def\oacute#1#2#3{%
          \@UC{#1}{#2}{#3}%
1210
           \gdef#1{\left(\frac{F3}{\right)}} \le string#1\fi}%
1211
1213 \def\ocircumflex#1#2#3{%
           \@UC{#1}{#2}{#3}%
1215
           \gdef#1{\ifTR\char"F4{}\else\string#1\fi}%
1216 }%
1217 \def\otilde#1#2#3{%
          \@UC{#1}{#2}{#3}%
1218
           \gdef#1{\left(\frac{F5}{}\right)} \le \left(\frac{1}{1}\right)^{2}
1219
1220 }%
1221 \def\odieresis#1#2#3{%
           \@UC{#1}{#2}{#3}%
           \gdef#1{\left(\frac{F6}{}\right)}
1223
1224 }%
1225 \def\0E#1#2#3{%
1226
           \@UC{#1}{#2}{#3}%
1227
           \gdef#1{\ifTR\OE{}\else\string#1\fi}%
1228 }%
1229 \def\oe#1#2#3{%
           \@UC{#1}{#2}{#3}%
1230
1231
           \gdef#1{\ifTR\oe{}\else\string#1\fi}%
1232 }%
1233 \def\oslash#1#2#3{%
           \@UC{#1}{#2}{#3}%
1235
           \gdef#1{\ifTR\char"F8{}\else\string#1\fi}%
1236 }%
1237 \def\ugrave#1#2#3{%
          \@UC{#1}{#2}{#3}%
1238
           \gdef#1{\ifTR\char"F9{}\else\string#1\fi}%
1239
1240 }%
1241 \def\uacute#1#2#3{%
1242
          \@UC{#1}{#2}{#3}%
           \gdef#1{\ifTR\char"FA{}\else\string#1\fi}%
1243
1244 }%
1245 \def\ucircumflex#1#2#3{%
           \@UC{#1}{#2}{#3}%
           \gdef#1{\left(\frac{FB}{}\right)} \le \left(\frac{1}{1}\right)^{2}
1247
1248 }%
```

```
1249 \def\udieresis#1#2#3{%
1250
          \@UC{#1}{#2}{#3}%
1251
          \gdef#1{\ifTR\char"FC{}\else\string#1\fi}%
1252 }%
1253 \def\yacute#1#2#3{%
        \@UC{#1}{#2}{#3}%
1255
          \gdef#1{\ifTR\char"FD{}\else\string#1\fi}%
1256 }%
1257 \def\thorn#1#2#3{%
1258 \@UC{#1}{#2}{#3}%
          \gdef#1{\left(\frac{FE}{}\right)} else\\ string#1\\fi}%
1259
1260 }%
1261 \def\ydieresis#1#2#3{%
1262
          \@UC{#1}{#2}{#3}%
1263
          \gdef#1{\ifTR\char"B8{}\else\string#1\fi}%
1264 }%
1265 \def\Ydieresis#1#2#3{%
1266
          \@UC{#1}{#2}{#3}%
1267
          \gdef#1{\left(\frac{98}{}\right)} \le \bigg(\frac{1}{i} \right) %
1268 }%
1269 %
1270 \def\alpha#1#2#3{%
1271 \@UC{#1}{#2}{#3}%
         \@MathSymbol{#1}{alpha}%
1272
1273 }%
1274 \def\approx#1#2#3{%
1275 \@UC{#1}{#2}{#3}%
1276
         \@MathSymbol{#1}{approx}%
1277 }%
1278 \def\beta#1#2#3{%
1279 \@UC{#1}{#2}{#3}%
          \@MathSymbol{#1}{beta}%
1280
1281 }%
1282 \def\bullet#1#2#3{%
1283
          \@UC{#1}{#2}{#3}%
          \@MathSymbol{#1}{bullet}%
1284
1285 }%
1286 \def\cap#1#2#3{%
1287
         \@UC{#1}{#2}{#3}%
          \@MathSymbol{#1}{cap}%
1288
1289 }%
1290 \def\cent#1#2#3{%
        \@UC{#1}{#2}{#3}%
1291
           % no definition in DC
1292
1293 }%
1294 \def\guillemeotright#1#2#3{%
          \@UC{#1}{#2}{#3}%
1296
          % a small space is inserted before the french guillemot
1297
          % and the pre-existing space is removed
1298
          \gdef#1{\ifTR\unskip\@InMath{,}\char'024{}\else\string#1\fi}%
1299 }%
1300 \def\copyright#1#2#3{%
1301 \@UC{#1}{#2}{#3}%
1302
          \gdef#1{\ifTR\copyright{}\else\string#1\fi}%
1303 }%
1304 \def\currency#1#2#3{% character hex A4 in Iso latin set 1
       \@UC{#1}{#2}{#3}%
1305
           % no definition in DC
1308 \def\degree#1#2#3{%
1309 \@UC{#1}{#2}{#3}%
1310 }%
```

```
1311 \def\dag#1#2#3{%
1312
          \@UC{#1}{#2}{#3}%
1313
          \@MathSymbol{#1}{dag}%
1314 }%
1315 \def\ddag#1#2#3{%
         \@UC{#1}{#2}{#3}%
          \@MathSymbol{#1}{ddag}%
1318 }%
1319 \def\delta#1#2#3{%
1320 \@UC{#1}{#2}{#3}%
          \@MathSymbol{#1}{delta}%
1321
1322 }%
1323 \def\div#1#2#3{%
1324
        \@UC{#1}{#2}{#3}%
1325
          \@MathSymbol{#1}{div}%
1326 }%
1327 \def\diamond#1#2#3{%
1328
          \@UC{#1}{#2}{#3}%
1329
          \@MathSymbol{#1}{Diamond}%
1330 }%
1331 \def\emptysetSign#1#2#3{%
          \@UC{#1}{#2}{#3}%
1332
          \@MathSymbol{#1}{emptyset}%
1333
1334 }%
1335 \def\section#1#2#3{%
          \@UC{#1}{#2}{#3}%
1337
          \gdef#1{\left(S\right)\leq string#1\fi}%
1338 }%
1339 \def\epsilon#1#2#3{%
1340
         \@UC{#1}{#2}{#3}%
1341
          \@MathSymbol{#1}{varepsilon}%
1342 }%
1343 \def\equiv#1#2#3{%
          \@UC{#1}{#2}{#3}%
1344
          \@MathSymbol{#1}{equiv}%
1345
1346 }%
1347 \def\ellipsis#1#2#3{%
          \@UC{#1}{#2}{#3}%
1349
          \gdef#1{\ifTR{...}\else\string#1\fi}%
1350 }%
1351 \def\exclamdown#1#2#3{%
          \@UC{#1}{#2}{#3}%
1352
          \gdef#1{\left(\frac{BD}{}\right)} \le string#1\fi}%
1353
1354 }%
1355 \def\ordfeminine#1#2#3{%
1356
          \@UC{#1}{#2}{#3}%
          \gdef#1{\left(\frac{Sup}{b{a}}\right)} \le string#1\fi}%
1357
1358 }%
1359 \def\geq#1#2#3{%
1360
          \@UC{#1}{#2}{#3}%
1361
          \@MathSymbol{#1}{geq}%
1362 }%
1363 \def\Gamma#1#2#3{%
          \@UC{#1}{#2}{#3}%
1364
1365
          \@MathSymbol{#1}{Gamma}%
1366 }%
1367 \def\infty#1#2#3{%
          \@UC{#1}{#2}{#3}%
1368
          \@MathSymbol{#1}{infty}%
1370 }%
1371 \def\leq#1#2#3{%
1372
         \@UC{#1}{#2}{#3}%
```

```
\@MathSymbol{#1}{leq}%
1373
1374 }%
1375 \def\emdash#1#2#3{%
        \@UC{#1}{#2}{#3}%
         \gdef#1{\ifTR{---}\else\string#1\fi}%
1378 }%
1379 \def\ordmasculine#1#2#3{%
1380
        \@UC{#1}{#2}{#3}%
         1381
1382 }%
1383 \def\mu#1#2#3{%
       \@UC{#1}{#2}{#3}%
1384
        \@MathSymbol{#1}{mu}%
1385
1386 }%
1387 \def\neg#1#2#3{%
         \@UC{#1}{#2}{#3}%
         \@MathSymbol{#1}{neg}%
1390 }%
1391 \def\neq#1#2#3{%
        \@UC{#1}{#2}{#3}%
1392
         \@MathSymbol{#1}{neq}%
1393
1394 }%
1395 \def\unbreakablespace#1#2#3{%
        \@UC{#1}{#2}{#3}%
1396
1397
         \gdef#1{\ifTR~\else\string#1\fi}%
1398 }%
1399 \def\Omega#1#2#3{%
        \@UC{#1}{#2}{#3}%
1401
         \@MathSymbol{#1}{Omega}%
1402 }%
1403 \def\OneHalf#1#2#3{%
1404
        \@UC{#1}{#2}{#3}%
         1405
1406 7%
1407 \def\OneQuarter#1#2#3{%
         \@UC{#1}{#2}{#3}%
         1409
1410 }%
1411 \def\guilletmotleft#1#2#3{%
1412
         \@UC{#1}{#2}{#3}%
         \ensuremath{\text{\%}} a small space is added after the opening guillemot
1413
         % and the pre-existing space is removed
1414
         1415
1416 }%
1417 \def\Pi#1#2#3{%
1418
         \@UC{#1}{#2}{#3}%
         \@MathSymbol{#1}{Pi}%
1419
1420 }%
1421 \def\pi#1#2#3{%
1422
        \@UC{#1}{#2}{#3}%
1423
        \@MathSymbol{#1}{pi}%
1424 }%
1425 \def\pm#1#2#3{%
        \@UC{#1}{#2}{#3}%
1426
1427
        \@MathSymbol{#1}{pm}%
1428 }%
1429 \def\ParagraphSign#1#2#3{%
        \@UC{#1}{#2}{#3}%
         \gdef#1{\ifTR{\P}\else\string#1\fi}%
1432 }%
1433 \def\partial#1#2#3{%
1434
        \@UC{#1}{#2}{#3}%
```

```
\@MathSymbol{#1}{partial}%
1435
1436 }%
1437 \def\Phi#1#2#3{%
         \@UC{#1}{#2}{#3}%
1438
          \@MathSymbol{#1}{Phi}%
1440 }%
1441 \def\pounds#1#2#3{%
1442
         \@UC{#1}{#2}{#3}%
          \gdef#1{\ifTR\char"BF{}\else\string#1\fi}%
1443
1444 }%
1445 \def\powerone#1#2#3{%
         \@UC{#1}{#2}{#3}%
1446
          \gdef#1{\left(\Sup\{1\}\right)\else\string#1\fi}%
1447
1448 }%
1449 \def\powerthree#1#2#3{%
          \@UC{#1}{#2}{#3}%
          \gdef#1{\left(\Sup{3}\right)}\else\\string#1\fi}%
1452 }%
1453 \def\powertwo#1#2#3{%
1454
         \@UC{#1}{#2}{#3}%
          1455
1456 }%
1457 \def\questiondown#1#2#3{%
         \@UC{#1}{#2}{#3}%
1458
          \gdef#1{\left(\frac{BE}{}\right)} else\\string#1\\fi}%
1459
1460 }%
1461 \def\register#1#2#3{%
         \@UC{#1}{#2}{#3}%
1463
           % no definition in DC
1464 }%
1465 \def\Sigma#1#2#3{%
         \@UC{#1}{#2}{#3}%
1466
1467
          \@MathSymbol{#1}{Sigma}%
1468 }%
1469 \def\sigma#1#2#3{%
          \@UC{#1}{#2}{#3}%
1470
1471
          \@MathSymbol{#1}{sigma}%
1472 }%
1473 \def\quoteright#1#2#3{%
1474
          \@UC{#1}{#2}{#3}%
          \gdef#1{\left\{ifTR\{'\}\right\}} else\\string#1\\fi}%
1475
1476 }%
1477 \def\quoteleft#1#2#3{%
         \@UC{#1}{#2}{#3}%
1478
1479
          \gdef#1{\ifTR{'}\else\string#1\fi}%
1480 }%
1481 \def\splitbar#1#2#3{%
        \@UC{#1}{#2}{#3}%
           % no definition in DC
1484 }%
1485 \def\tau#1#2#3{%
         \@UC{#1}{#2}{#3}%
1486
         \@MathSymbol{#1}{tau}%
1487
1488 }%
1489 \def\ThetaSign#1#2#3{%
1490
         \@UC{#1}{#2}{#3}%
          \@MathSymbol{#1}{Theta}%
1491
1492 }%
1493 \def\threequarter#1#2#3{%
          \@UC{#1}{#2}{#3}%
          1495
1496 }%
```

```
\@UC{#1}{#2}{#3}%
1498
1499
         \@MathSymbol{#1}{times}%
1500 }%
1501 \def\trademark#1#2#3{%
1502
         \@UC{#1}{#2}{#3}%
         1504 }%
1505 \def\quotedblright#1#2#3{%
         \@UC{#1}{#2}{#3}%
1506
         \gdef#1{\ifTR{''}}\else\string#1\fi}%
1507
1508 7%
1509 \def\quotedblleft#1#2#3{%
         \@UC{#1}{#2}{#3}%
1510
         \gdef#1{\ifTR{''}\else\string#1\fi}%
1511
1512 }%
1513 \def\yen#1#2#3{%
1514
         \@UC{#1}{#2}{#3}%
1515
           % no definition in DC
1516 }%
1517 \def\perthousand#1#2#3{%
         \@UC{#1}{#2}{#3}%
1518
           % no definition in DC
1519
1520 }%
1521 \def\florin#1#2#3{%
1522
         \@UC{#1}{#2}{#3}%
         1523
1525 \catcode'\@=\atcatcode \let\atcatcode\relax
1526 %
1527 (/shapedc)
```

1497 \def\times#1#2#3{%

# 4.4 Table for the code page 850 (file: code850.tex)

This file contains code to set up the table to convert the code page 850 to the DC or Cm encoding scheme (depending on the value of global variable \CurrentEncoding). This file should be moved into TeX's memory with an \input command and all the characters above 127 should be active before the call to the \input command.

Some normal unaccented character should be made active, just for the case where the **\uppercase** command is used with lowercase accented character which don't have uppercase accented equivalent (the normal unaccented character is used).

Since the \uppercase or \lowercase command doesn't change the catcode, the resulting character will have the catcode \active (since all the characters above 127 are active). Thus a macro should exist!

All the characters are assigned to a default value (each character issue a message telling it could not be drawn with TeX commands) and a group is started (in effect when the file code850.tex is read) to limit the scope of macros created by the inputting of files shapecm or shapedc. These macros are used just for setting the tables and never useful after that.

```
1535 \begingroup
1536 \input initcar %
1537 \ifcase\CurrentEncoding
1538 \input shapecm %
1539 \or
```

```
\input shapedc %
1541 \fi
1542 \Ccedilla{^^80}{"80}{"87}%
1543 \udieresis{^^81}{"9A}{"81}%
1544 \eacute{^^82}{"90}{"82}%
1545 \acircumflex{^^83}{"B6}{"83}%
1546 \adieresis{^^84}{"8E}{"84}%
1547 \agrave{^^85}{"B7}{"85}%
1548 \aring{^^86}{"8F}{"86}%
1549 \ccedilla{^^87}{"80}{"87}%
1550 \ecircumflex{^^88}{"D2}{"88}%
1551 \edieresis{^^89}{"D3}{"89}%
1552 \egrave{^^8a}{"D4}{"8A}%
1553 \idieresis{^^8b}{"D8}{"8B}%
1554 \icircumflex{^^8c}{"D7}{"8C}%
1555 \igrave{^^8d}{"DE}{"8D}%
1556 \Adieresis{^^8e}{"8E}{"84}%
1557 \Aring{^^8f}{"8F}{"86}%
1558 \Eacute{^^90}{"90}{"82}%
1559 \ae{^^91}{"92}{"91}%
1560 \AE{^^92}{"92}{"91}%
1561 \ocircumflex{^^93}{"E2}{"93}%
1562 \odieresis{^^94}{"99}{"94}%
1563 \ograve{^^95}{"E3}{"95}%
1564 \ucircumflex{^^96}{"EA}{"96}%
1565 \ugrave{^^97}{"EB}{"97}%
1566 \ydieresis{^^98}{"59}{"98}%
1567 \Odieresis{^^99}{"99}{"94}%
1568 \Udieresis{^^9a}{"9A}{"81}%
1569 \oslash{^^9b}{"9D}{"9B}%
1570 \pounds{^^9c}{"9C}{"9C}%
1571 \Oslash{^^9d}{"9D}{"9B}%
1572 \times{^^9e}{"9E}{"9E}%
1573 \florin{^^9f}{"9F}{"9F}%
1574 \aacute{^^a0}{"B5}{"A0}%
1575 \iacute{^^a1}{"D6}{"A1}%
1577 \uacute{^^a3}{"E9}{"A3}%
1578 \ntilde{^^a4}{"A5}{"A4}%
1579 \Ntilde{^^a5}{"A5}{"A4}%
1580 \ordfeminine{^^a6}{"A6}{"A6}%
1581 \ordmasculine{^^a7}{"A7}{"A7}%
1582 \questiondown{^^a8}{"A8}{"A8}%
1583 \register{^^a9}{"A9}{"A9}%
1584 \neg{^^aa}{"AA}{"AA}%
1585 \OneHalf{^^ab}{"AB}{"AB}%
1586 \OneQuarter{^^ac}{"AC}{"AC}%
1587 \exclamdown{^^ad}{"AD}{"AD}%
1588 \guilletmotleft{^^ae}{"AE}{"AE}%
1589 \guillemeotright{^^af}{"AF}{"AF}%
1590 \Aacute{^^b5}{"B5}{"A0}%
1591 \Acircumflex{^^b6}{"B6}{"83}%
1592 \Agrave{^^b7}{"B7}{"85}%
1593 \copyright{^^b8}{"B8}{"B8}%
1594 \cent{^^bd}{"BD}{"BD}%
1595 \yen{^^be}{"BE}{"BE}%
1596 \atilde{^^c6}{"C7}{"C6}%
1597 \Atilde{^^c7}{"C7}{"C6}%
1598 \currency{^^cf}{"CF}{"CF}%
1599 \dBar{^^d0}{"D1}{"D0}%
1600 \DBar{^^d1}{"D1}{"D0}%
```

1601 \Ecircumflex{^^d2}{"D2}{"88}%

```
1602 \Edieresis{^^d3}{"D3}{"89}%
1603 \Egrave{^^d4}{"D4}{"8A}%
1604 \powerone{\(^^\)d5}{\"D5}{\"D5}\%
1605 \Iacute{^^d6}{"D6}{"A1}%
1606 \Icircumflex{^^d7}{"D7}{"8C}%
1607 \Idieresis{^^d8}{"D8}{"8B}%
1608 \splitbar{^^dd}{"DD}{"DD}%
1609 \Igrave{^^de}{"DE}{"8D}%
1610 \Oacute{^^e0}{"E0}{"A2}%
1611 \beta^{^2}_{1611} 
1612 \Ocircumflex{^^e2}{"E2}{"93}%
1613 \Ograve{^^e3}{"E3}{"95}%
1614 \cot e^{-e4}{"E5}{"E4}%
1615 \del{0tilde(^e5){"E5}{"E4}%}
1616 \mu{^^e6}{"E6}{"E6}%
1617 \thorn{^^e7}{"E8}{"E7}%
1618 \Thorn{^^e8}{"E8}{"E7}%
1619 \Uacute{^^e9}{"E9}{"A3}%
1620 \Ucircumflex{^^ea}{"EA}{"96}%
1621 \Ugrave{^^eb}{"EB}{"97}%
1622 \yacute{^^ec}{"ED}{"EC}%
1623 \Yacute{^^ed}{"ED}{"EC}%
1624 \pm{^^f1}{"F1}{"F1}%
1625 \threequarter{^^f3}{"F3}{"F3}%
1626 \ParagraphSign{^^f4}{"F4}{"F4}%
1627 \section{^^f5}{"F5}{"F5}%
1628 \div{^^f6}{"F6}{"F6}%
1629 \cedilla{^^f7}{"F7}{"F7}%
1630 \degree{^^f8}{"F8}{"F8}%
1631 \dieresis{^^f9}{"F9}{"F9}%
1632 \bullet{^^fa}{"FA}{"FA}%
1633 \powerone{^^fb}{"FB}{"FB}%
1634 \powerthree{^^fc}{"FC}{"FC}%
1635 \powertwo{^^fd}{"FD}{"FD}%
1636 \endgroup
```

#### \@MakeHyphenation850

**\@MakeHyphenationEightFiveZero** prepare a letter given as parameter to do a letter for hyphenation exception.

The algorithm to build the exception hyphenation pattern put all the characters to lower case before setting up the hyphenation tables. When a string should be broken it is transformed in lowercase and then compared with the hyphenation pattern.

Since these two transformations are performed on two different characters (the first, before a character from a code page was translated, the second after), a match could never occur.

The aim of this macro is to adapt the value of the \lccode of a character to be used in the \hyphenation to permit a match when this character will be translated in something else.

#### Examples

"e grave" (character hexa 8a) in code page 850 will be translated in DC encoding scheme to character hexa (E8). In code page 850, the character hexa E8 will have a lowercase character hexa E7 (in code page 850). When the translated character "e grave" will be put in lowercase, his value will be hexa E7. From that we can deduce that to use \hyphenation with "e grave" (character hexa 8a in code page 850), "e grave" should have \lccode="E7.

"n tilde" (character hexa A4 in code page 850) will be translated to character hexa F1 in Dc encoding. Character hexa F1 in code page 850 is "plus-minus" sign which has lowercase hexa F1 thus the \lccode for "n tilde" for use with the \hyphenation command should be hexa F1.

This macro is meaningless with the CM encoding!

```
1637 \ifnum\CurrentEncoding=\DC\relax
1638 \def\@MakeHyphenationEightFiveZero#1{%
1639 \catcode'#1=12% make character given in parameter other which is
1640 % a legal catcode for \hyphenation
1641 \ifnum'#1="80
1642 %C cedilla translated in DC encoding to "D7 (which is A tilde)
```

```
%with a tilde ("d6) as lowercase
1643
                  \lccode'#1="D6%
1644
1645 \else\ifnum'#1="81
1646
                %u dieresis --> "FC
                 \lccode'#1="FC%
1647
1648 \else\ifnum'#1="82
                 %e acute --> "E9 (U acute) --> u acute
1650
                 \lccode'#1="A3%
1651 \else\ifnum'#1="83
              %a circumflex --> "E2 O circumflex --> o circumflex
1652
                 \1ccode'#1="93%
1653
1654 \else\ifnum'#1="84
               %a dieresis --> "E4 o tilde
1655
                  \lccode'#1="E4%
1656
                  \@ConflictHyphenCarMsg{a dieresis ("84)}{a ring ("86)}
1657
1658
           \else\ifnum'#1="85
                  %a grave --> "E O acute --> "A2 (o acute in code page 850)
1660
                  \lccode'#1="A2%
1661
           \else\ifnum'#1="86
                 %a ring --> "E5 O tilde --> "E4
1662
                  \lccode'#1="E4%
1663
                  \@ConflictHyphenCarMsg{a ring ("86)}{a dieresis ("84)}
1664
          \else\ifnum'#1="87
1665
                 %c cedilla --> "E7 --> "E7
1666
                  \lccode'#1="E7%
1667
                 \@ConflictHyphenCarMsg{c cedilla ("87)}{e grave ("8A)}
1668
1669 \else\ifnum'#1="88
                 %e circumflex --> "EA (U circumflex ---> "96
1670
                  \lccode'#1="96%
1671
1672
        \else\ifnum'#1="89
              %e dieresis --> "EB U grave --> "97
1673
                  \lccode'#1="97%
1674
          \else\ifnum'#1="8A
1675
                %e grave --> "E8 Thorn --> "E7
1676
                  \lccode'#1="E7%
1677
                  \@ConflictHyphenCarMsg{e grave ("8A)}{c cedilla ("87)}
1678
            \else\ifnum'#1="8B
1679
                  %i dieresis --> "EF (acute accent)
1680
1681
                  \lccode'#1="EF%
1682
           \else\ifnum'#1="8C
               %i circumflex --> "EE (BAR Accent)
1683
                 \lccode'#1="EE%
1684
1685 \else\ifnum'#1="8D
                %i grave --> "EC (y acute)
1686
                  \1ccode'#1="EC%
1687
                 \@ConflictHyphenCarMsg{i grave ("8D)}{i acute ("A1)}
1688
1689 \ensuremath{\mbox{\mbox{\mbox{$\mbox{$}}}}\ensuremath{\mbox{\mbox{$}}}\ensuremath{\mbox{\mbox{$}}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensurema
                 %A dieresis --> "C4 (semi graphical character)
                 \lccode'#1="C4%
1691
1692 \else\ifnum'#1="8F
               %A ring --> "C5 (semi graphical character)
1693
                 \lccode'#1="C5%
1694
1695 \else\ifnum'#1="90
               %E acute --> "C9 (semi graphical character)
1696
                  \lccode'#1="C9%
1697
1698
          \else\ifnum'#1="91
                 %ae ligature --> "E6 (mu sign)
1699
                  \lccode'#1="E6%
1700
           \else\ifnum'#1="92
1701
                  %AE ligature --> "C6 (a tilde)
1702
                  \lccode'#1="C6%
1703
1704 \else\ifnum'#1="93
```

```
%o circumflex --> "F4 (Paragraph Sign)
1705
1706
        \lccode'#1="F4%
1707 \else\ifnum'#1="94
        %o dieresis --> "F6 (divide sign)
1708
        \lccode'#1="F6%
1709
1710 \else\ifnum'#1="95
        %0 grave --> "F2 (equal sign)
1712
        \lccode'#1="F2%
1713 \else\ifnum'#1="96
       %u circumflex --> "FB (Power one sign)
1714
1715
        \lccode'#1="FB%
1716 \else\ifnum'#1="97
      %u grave --> "F9 (dieresis accent)
1717
        \lccode'#1="F9%
1718
1719
     \else\ifnum'#1="98
1720
        %y dieresis --> "B8 (Copyright sign)
1721
        \lccode'#1="B8%
1722
     \else\ifnum'#1="99
       %O dieresis --> "D6 (I acute) --> i acute
1723
        \lccode'#1="A1%
1724
1725 \quad \text{lse} \lim'#1="9A
       %U dieresis --> "DC (semi graphical sign)
1726
        \lccode'#1="DC%
1727
1728 \else\ifnum'#1="9B
       %o slash --> "F8 (Degree sign)
1729
        \lccode'#1="F8%
1730
1731 \else\ifnum'#1="9D
       %O slash --> "D8 (I dieresis) --> i dieresis
1733
        \lccode'#1="8B%
1734 \else\ifnum'#1="A0
     %a acute --> "E1 (Beta sign)
1735
        \lccode'#1="E1%
1736
    \else\ifnum'#1="A1
1737
       %i acute --> "ED (Y acute) --> y acute
1738
         \lccode'#1="EC%
1739
        \@ConflictHyphenCarMsg{i acute ("A1)}{i grave ("8D)}
1740
     \else\ifnum'#1="A2
1741
        %o acute --> "F3 (three quarter sign)
1742
1743
        \1ccode'#1="F3%
1744 \quad \text{lse} \quad \text{"}43
      %u acute --> "FA (Bullet sign)
1745
       \lccode'#1="FA%
1746
1747 \else\ifnum'#1="A4
       %n tilde --> "F1 (Plus minus sign)
1748
        \lccode'#1="F1%
1749
1750 \else\ifnum'#1="A5
       %N tilde --> "D1 (D bar) --> d bar
1751
        \lccode'#1="D0%
        \@ConflictHyphenCarMsg{N tilde ("A5)}{D bar ("D1)}
1754 \else\ifnum'#1="B5
      %A acute --> "C1 (semi graphical sign)
1755
        \lccode'#1="C1%
1756
1757 \else\ifnum'#1="B6
       %A circumflex --> "C2 (semi graphical sign)
1758
        \lccode'#1="C2%
1759
1760
     \else\ifnum'#1="B7
        %A grave --> "CO (Semi graphical sign)
1761
         \lccode'#1="C0%
1762
     \else\ifnum'#1="D0
1763
        %d bar --> "FO (minus sign)
1764
        \lccode'#1="F0%
1765
1766 \else\ifnum'#1="D1
```

```
1767
         %D bar --> "D0 (d bar)
1768
         \lccode'#1="D0%
1769
         \@ConflictHyphenCarMsg{D bar ("D1)}{N tilde ("A5}
1770 \else\ifnum'#1="D2
        %E circumflex --> "CA (semi-graphical sign)
1771
        \lccode'#1="CA%
1772
1773 \else\ifnum'#1="D3
        %E dieresis --> "CB (semi graphical sign)
1774
1775
        \lccode'#1="CB%
1776 \else\ifnum'#1="D4
       %E grave --> "C8 (semi graphical sign)
1777
        \1ccode'#1="C8%
1778
     \else\ifnum'#1="D6
1779
       %I acute --> "CD (semi graphical sign)
1780
         \lccode'#1="CD%
1781
1782
     \else\ifnum'#1="D7
        %I circumflex --> "CE (semi-graphical sign)
1784
         \lccode'#1="CE%
1785
    \else\ifnum'#1="D8
        %I dieresis --> "CF (currency sign)
1786
        \lccode'#1="CF%
1787
1788 \else\ifnum'#1="E0
       %O acute --> "D3 (E dieresis) --> e dieresis
1789
        \lccode'#1="89%
1790
    \else\ifnum'#1="E2
1791
        %O circumflex --> "D4 (E grave) --> e grave
1792
        \lccode'#1="8A%
1793
    \else\ifnum'#1="E3
        %0 grave --> "D2 (E circumflex) --> e circumflex
1795
1796
        \lccode'#1="88%
1797
     \else\ifnum'#1="E4
       %o tilde --> "F5 (End of flow sign)
1798
        \lccode'#1="F5%
1799
     \else\ifnum'#1="E5
1800
        %O tilde --> "D5 (Power One sign)
1801
         \lccode'#1="D5%
1802
1803
     \else\ifnum'#1="E7
         %thorn --> "FE (semi graphical sign)
1804
1805
         \lccode'#1="FE%
1806
     \else\ifnum'#1="E8
        %P like letter --> "DE (I acute) --> i acute
1807
        \lccode'#1="8D%
1808
     \else\ifnum'#1="E9
1809
        %U acute --> "DA (semi graphical sign)
1810
        \lccode'#1="DA%
1811
1812 \else\ifnum'#1="EA
       %U circumflex --> "DB (semi graphical sign)
1813
        \lccode'#1="DB%
1814
1815 \else\ifnum'#1="EB
1816
        %U grave --> "D9 (semi graphical sign)
        \lccode'#1="D9%
1817
1818 \else\ifnum'#1="EC
       %y acute --> "FD (Power two sign)
1819
        \1ccode'#1="FD%
1820
     \else\ifnum'#1="ED
1821
        %Y acute --> "DD (Slit vertical bar sign)
1822
         \lccode'#1="DD%
1823
1824
     \else
        %we don't have a letter (a character to form word)
        \@BadHyphenCarMsg{#1}
1826
        \catcode'#1=15% make this character invalid
1827
     fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
1828
```

```
1829 \fi\fi\fi\fi\fi\fi\fi\fi\fi
1830 \fi\fi\fi\fi\fi\fi\fi\fi\fi
1831 \fi\fi\fi\fi\fi\fi\fi\fi
1832 \fi\fi\fi\fi\fi\fi\fi\fi
1833 \fi\fi\fi\fi\fi\fi\fi\fi\fi
1833 \fi\fi\fi\fi\fi\fi\fi\fi\fi
1834 % We must have same count of \fi than \ifnum (58)
1835 }%\@MakeHyphenationEightFiveZero
1836 \fi % \ifx\CurrentEncoding...
1837 \catcode'\@=\atcatcode \let\atcatcode\relax
1838 \(/codepage850\)
```

## 4.5 Table for the code page 437 (file: code437.tex)

#### \@FourThreeSeven

```
1839 (*codepage437)
1840 \chardef\atcatcode=\catcode'\@
1841 \catcode'\@=11\relax
1842 \begingroup
      \catcode '\A=\active
1843
       \catcode'\E=\active
1844
       \catcode'\I=\active
1845
      \catcode'\O=\active
1846
      \catcode'\U=\active
1847
      \catcode'\Y=\active
1848
      \gdef A{\string A}%
1849
      \gdef E{\string E}%
      \gdef I{\string I}%
1851
1852
      \gdef O{\string O}%
      \gdef U{\string U}%
1853
       \gdef Y{\string Y}%
1854
1855 \endgroup
1856 \input initcar %
1857 \begingroup
1858 \ifcase\CurrentEncoding
1859
      \input shapecm %
1860 \or
1861
       \input shapedc %
1862 \fi
1864 \Adieresis{^^8e}{"8E}{"84}%
1865 \Aring{^^8f}{"8F}{"86}%
1866 \Eacute{^^90}{"90}{"82}%
1867 \AE{^^92}{"92}{"91}%
1868 \Odieresis{^^99}{"99}{"94}%
1869 \Udieresis{^^9a}{"9A}{"81}%
1870 \Ntilde{^^a5}{"A5}{"A4}%
1871 \udieresis{^^81}{"9A}{"81}%
1872 \eacute{^^82}{"90}{"82}%
1873 \acircumflex{^^83}{"41}{"83}%
1874 \adieresis{^^84}{"8E}{"84}%
1875 \agrave{^^85}{"41}{"85}%
1876 \aring{^^86}{"8F}{"86}%
1877 \ccedilla{^^87}{"80}{"87}%
1878 \ecircumflex{^^88}{"45}{"88}%
1879 \edieresis{^^89}{"45}{"89}%
1880 \egrave{^^8a}{"45}{"8A}%
1881 \idieresis{^^8b}{"49}{"8B}%
1882 \icircumflex{^^8c}{"49}{"8C}%
1883 \igrave{^^8d}{"49}{"8D}%
1884 \ae{^^91}{"92}{"91}%
1885 \ocircumflex{^^93}{"4F}{"93}%
```

```
1886 \odieresis{^^94}{"99}{"94}%
                                               1887 \ograve{^^95}{"4F}{"95}%
                                               1888 \ucircumflex{^^96}{"55}{"96}%
                                               1889 \ugrave{^^97}{"55}{"97}%
                                               1890 \ydieresis{^^98}{"59}{"98}%
                                               1891 \pounds{^^9c}{"9C}{"9C}%
                                               1892 \florin{^^9f}{"9F}{"9F}}%
                                               1893 \aacute{^^a0}{"41}{"A0}%
                                               1894 \iacute{^^a1}{"49}{"A1}%
                                               1896 \uacute{^^a3}{"55}{"A3}%
                                               1898 \questiondown{^^a8}{"A8}{"A8}{"A8}{}
                                               1899 \exclamdown {^^ad}{"AD}{"AD}%
                                               1900 \guilletmotleft{^^ae}{"AE}{"AE}%
                                               1901 \guillemeotright{^^af}{"AF}{"AF}%
                                               1902 \alpha{^^e0}{"E0}{"E0}%
                                               1903 \beta{^^e1}{"E1}{"E1}%
                                               1904 \Gamma{^^e2}{"E2}{"E2}%
                                               1905 \pi{^^e3}{"E3}{"E3}%
                                               1906 \Sigma{^^e4}{"E4}{"E4}%
                                               1907 \sigma{^^e5}{"E5}{"E5}%
                                               1908 \mu{^^e6}{"E6}{"E6}%
                                               1909 \tau{^^e7}{"E7}{"E7}%
                                               1910 \Phi{^^e8}{"E8}{"E8}%
                                               1911 \ThetaSign{^^e9}{"E9}{"E9}%
                                               1912 \Omega{^^ea}{"EA}{"EA}%
                                               1913 \delta{^^eb}{"EB}{"EB}%
                                               1914 \infty{^^ec}{"EC}{"EC}%
                                               1915 \ensuremath{\mbox{\mbox{$1915$} \mbox{\mbox{$1915$} \mbox{$1915$}}} \ensuremath{\mbox{$1915$} \mbox{\mbox{$1915$} \mbox{$1915$}} \ensuremath{\mbox{$1915$} \mbox{$1915$} \mbox{$1915$}} \ensuremath{\mbox{$1915$} \mbox{$1915$} \mbox{$19
                                               1916 \epsilon{^^ee}{"EE}{"EE}%
                                               1917 \cap{^^ef}{"EF}{"EF}%
                                               1918 \equiv{^^f0}{"F0}{"F0}{"F0}{} 
                                               1919 \pm{^^f1}{"F1}{"F1}%
                                               1920 \ensuremath{ \ \ } \{ \ensuremath{ \ \ \ \ \ } \{ \ensuremath{ \ \ \ \ \ } \{ \ensuremath{ \ \ \ \ \ } \} \} 
                                               1922 \div{^^f6}{"F6}{"F6}%
                                               1923 \approx{^^f7}{"F7}{"F7}% \\ 1924 \bullet{^^f9}{"F9}{"F9}% 
                                               1925 \endgroup
\@MakeHyphenation437
                                               1926 \ifnum\CurrentEncoding=\DC\relax
                                               1927 \def\@MakeHyphenationFourThreeSeven#1{%
                                               1928
                                                          \catcode'#1=12%
                                                           \ifnum'#1="80
                                               1929
                                                                  % C cedilla translated in DC encoding to "D7 (which is a semi graphical
                                               1930
                                                                   % sign in code page 437)
                                               1931
                                                                  \lccode'#1="D7%
                                               1932
                                                          \else\ifnum'#1="81
                                               1933
                                                                %u dieresis --> "FC
                                               1934
                                                                  \lccode'#1="FC%
                                               1935
                                                          \else\ifnum'#1="82
                                               1936
                                                                 %e acute --> "E9 (Theta sign)
                                                                  \1ccode'#1="E9%
                                               1938
                                                          \else\ifnum'#1="83
                                               1939
                                               1940
                                                                 %a circumflex --> "E2 (Gamma sign)
                                               1941
                                                                   \lccode'#1="E2%
                                                          \left( \frac{1}{2} \right)^{4}
                                               1942
                                                               %a dieresis --> "E4 o tilde
                                               1943
                                                                   \lccode'#1="E4%
                                               1944
```

\else\ifnum'#1="85

1945

```
%a grave --> "EO (alpha sign)
1946
1947
         \lccode'#1="E0%
1948 \else\ifnum'#1="86
        %a ring --> "E5 (sigma sign)
1949
        \lccode'#1="E5%
1950
1951 \else\ifnum'#1="87
        %c cedilla --> "E7 (tau sign)
1953
        \lccode'#1="E7%
1954 \else\ifnum'#1="88
       %e circumflex --> "EA (Omega sign)
1955
        \lccode'#1="EA%
1956
     \else\ifnum'#1="89
1957
       %e dieresis --> "EB (delta sign)
1958
1959
        \lccode'#1="EB%
1960
     \else\ifnum'#1="8A
1961
        %e grave --> "E8 (Phi sign)
1962
        \lccode'#1="E8%
1963
     \else\ifnum'#1="8B
        %i dieresis --> "EF (set intersection sign)
1964
        \lccode'#1="EF%
1965
     \else\ifnum'#1="8C
1966
       %i circumflex --> "EE (epsilon sign)
1967
        \lccode'#1="EE%
1968
1969 \else\ifnum'#1="8D
        %i grave --> "EC (infinity sign)
1970
        \lccode'#1="EC%
1971
    \else\ifnum'#1="8E
1972
        %A dieresis --> "C4 (semi graphical character)
1973
1974
        \lccode'#1="C4%
1975
     \else\ifnum'#1="8F
       %A ring --> "C5 (semi graphical character)
1976
        \1ccode'#1="C5%
1977
     \else\ifnum'#1="90
1978
       %E acute --> "C9 (semi graphical character)
1979
         \lccode'#1="C9%
1980
     \else\ifnum'#1="91
1981
        %ae ligature --> "E6 (mu sign)
1982
         \lccode'#1="E6%
1983
1984
     \else\ifnum'#1="92
        %AE ligature --> "C6 (semi graphical character)
1985
         \lccode'#1="C6%
1986
     \else\ifnum'#1="93
1987
       %o circumflex --> "F4 (upper part of integral sign)
1988
        \lccode'#1="F4%
1989
1990 \else\ifnum'#1="94
        %o dieresis --> "F6 (divide sign)
1991
        \lccode'#1="F6%
1992
1993 \else\ifnum'#1="95
        %0 grave --> "F2 (greater or equal sign)
1995
        \lccode'#1="F2%
1996
     \else\ifnum'#1="96
       %u circumflex --> "FB (square sign)
1997
        \lccode'#1="FB%
1998
     \else\ifnum'#1="97
1999
2000
       %u grave --> "F9 (big bullet sign)
         \lccode'#1="F9%
2001
     \else\ifnum'#1="98
2002
        %y dieresis --> "B8 (semi graphical character)
2003
         \1ccode'#1="B8%
2004
2005
     \else\ifnum'#1="99
       %O dieresis --> "D6 (semi graphical character)
2006
2007
         \lccode'#1="D6%
```

```
\else\ifnum'#1="9A
2008
        %U dieresis --> "DC (semi graphical sign)
2009
2010
        \lccode'#1="DC%
2011 \else\ifnum'#1="A0
        %a acute --> "E1 (Beta sign)
        \lccode'#1="E1%
2014 \quad \text{lse} \lim'#1="A1
2015
       %i acute --> "ED (empty set sign)
        \lccode'#1="ED%
2016
    \else\ifnum'#1="A2
2017
      %o acute --> "F3 (less or equal sign)
2018
        \1ccode'#1="F3%
2019
    \else\ifnum'#1="A3
2020
2021
      %u acute --> "FA (Bullet sign)
2022
        \lccode'#1="FA%
2023
     \else\ifnum'#1="A4
        %n tilde --> "F1 (Plus minus sign)
2025
        \lccode'#1="F1%
2026
     \else\ifnum'#1="A5
       %N tilde --> "D1 (semi graphical character)
2027
        \lccode'#1="D1%
2028
    \else
2029
       %we don't have a letter (a character to form word)
2030
       \@BadHyphenCarMsg{#1}
2031
       \catcode'#1=15% make this character invalid
2032
    fi\fi\fi\fi\fi\fi\fi\fi\fi
    fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
2036 \fi\fi\fi
2037 % We must have same count of \fi than \fi (33)
2038 }%
2039 \fi %\ifx\CurrentEncoding...
2040 \catcode'\@=\atcatcode \let\atcatcode\relax
2041 (/codepage437)
```

### 4.6 Table for the code page of MC INTOSH (file: codemac.tex)

#### \@CodeMac

```
2042 (*codepagemac)
2043 \chardef\atcatcode=\catcode'\@
2044 \catcode'\@=11\relax
2045
      ₹%
          \catcode'\Y=\active
2046
          \gdef Y{\string Y}%
2047
2048
      }%
2049 \begingroup
2050 \input initcar %
2051 \ifcase\CurrentEncoding
2052
      \input shapecm %
2053 \or
      \input shapedc %
2054
2055 \fi
2056 \Adieresis{^^80}{"80}{"8A}%
2057 \Aring{^^81}{"81}{"8C}%
2058 \Ccedilla{^^82}{"82}{"8D}%
2060 \Ntilde{^^84}{"84}{"96}%
2061 \Odieresis{^^85}{"85}{"9A}%
2062 \Udieresis{^^86}{"86}{"9F}%
2063 \acute{^^87}{"E7}{"87}%
2064 \agrave{^^88}{"CB}{"88}%
```

```
2065 \acircumflex{^^89}{"E5}{"89}%
2066 \adieresis{^^8a}{"80}{"8A}%
2067 \atilde{^^8b}{"CC}{"8B}%
2068 \aring{^^8c}{"81}{"8C}%
2069 \cedilla{^*8d}{"82}{"8D}%
2070 \eacute{^^8e}{"83}{"8E}%
2071 \egrave{^^8f}{"E9}{"8F}%
2072 \ecircumflex{^^90}{"E6}{"90}%
2073 \edieresis{^^91}{"E8}{"91}%
2074 \icute{^^92}{"EA}{"92}%
2075 \igrave{^^93}{"ED}{"93}%
2076 \icircumflex{^^94}{"EB}{"94}%
2077 \idieresis{^^95}{"EC}{"95}%
2078 \ntilde{^^96}{"84}{"96}%
2079 \oacute{^^97}{"EE}{"97}%
2080 \ograve{^^98}{"F1}{"98}%
2081 \ocircumflex{^^99}{"EF}{"99}%
2082 \odieresis{^^9a}{"85}{"9A}%
2083 \cdot (-9b){"CD}{"9B}%
2084 \uacute{^^9c}{"F2}{"9C}%
2085 \ugrave{^^9d}{"F4}{"9D}%
2087 \udieresis{^^9f}{"86}{"9F}%
2088 \dag{^^a0}{"A0}{"A0}%
2089 \degree{^^a1}{"A1}{"A1}%
2090 \cent{^^a2}{"A2}{"A2}%
2091 \pounds{^^a3}{"A3}{"A3}%
2092 \section{^^a4}{"A4}{"A4}%
2093 \bullet{^^a5}{"A5}{"A5}%
2094 \ParagraphSign{^^a6}{"A6}{"A6}%
2096 \register{^^a8}{"A8}{"A8}%
2097 \copyright{^^a9}{"A9}{"A9}{"A9}%
2098 \trademark{^^aa}{"AA}{"AA}%
2099 \acute{^^ab}{"AB}{"AB}%
2100 \dieresis{^^ac}{"AC}{"AC}%
2101 \neq{^^ad}{"AD}{"AD}%
2102 \AE{^^ae}{"AE}{"BE}%
2103 \Oslash{^^af}{"AF}{"BF}%
2104 \pm{^^b1}{"B1}{"B1}%
2105 \leq{^^b2}{"B2}{"B2}%
2106 \geq{^^b3}{"B3}{"B3}%
2107 \yen{^^b4}{"B4}{"B4}%
2108 \mu{^^b5}{"B5}{"B5}%
2109 \delta{^^b6}{"B6}{"B6}%
2110 \Sigma{^^b7}{"B7}{"B7}%
2111 \Pi{^^b8}{"B8}{"B8}%
2112 \pi{^^b9}{"B9}{"B9}%
2113 \florin{^^ba}{"BA}{"BA}%
2114 \ordfeminine{^^bb}{"BB}{"BB}%
2115 \ordmasculine{^^bc}{"BC}{"BC}%
2116 \Omega{^^bd}{"BD}{"BD}%
2117 \ae{^^be}{"AE}{"BE}%
2118 \cosh{^{\hat{f}}{"AF}{"BF}}%
2119 \questiondown{^^c0}{"C0}{"C0}%
2120 \exclamdown{^^c1}{"C1}{"C1}%
2121 \neq ^2{"C2}{"C2}%
2122 \approx{^^c5}{"C5}{"C5}%
2123 \partial{^^c6}{"C6}{"C6}%
```

2124 \guilletmotleft{^^c7}{"C7}{"C7}% 2125 \guillemeotright{^^c8}{"C8}% 2126 \ellipsis{^^c9}{"C9}{"C9}%

```
2127 \unbreakablespace\{^ca}\{"CA\}\{"CA\}\}
                                                                    2128 \Agrave{^^cb}{"CB}{"88}%
                                                                    2129 \Atilde{^^cc}{"CC}{"8B}%
                                                                    2130 \Otilde{^^cd}{"CD}{"9B}%
                                                                    2131 \OE{^^ce}{"CE}{"CF}%
                                                                    2132 \ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef}\ensuremath{\columnwdef
                                                                    2133 \emdash{^^d1}{"D1}{"D1}%
                                                                    2134 \quotedblleft{^^d2}{"D2}{"D2}%
                                                                    2135 \quotedblright{^^d3}{"D3}{"D3}%
                                                                    2136 \quoteleft{^^d4}{"D4}{"D4}{%"}
                                                                    2137 \quoteright \ref{cond} {"D5} {
                                                                    2138 \div{^^d6}{"D6}{"D6}%
                                                                    2139 \diamond{^^d7}{"D7}{"D7}%
                                                                    2142 \ \texttt{`currency}^\hat{b}{\text{"DB}}{\text{"DB}}%
                                                                    2145 \dag{^e0}{"E0}{"E0}%
                                                                    2146 \ensuremath{ \cedilla{^^e2}{"E2}{"E2}}
                                                                    2147 \perthousand{^^e4}{"E4}{"E4}%
                                                                    2148 \Acircumflex{^^e5}{"E5}{"89}%
                                                                    2149 \Ecircumflex{^^e6}{"E6}{"90}%
                                                                    2150 \Aacute{^^e7}{"E7}{"87}%
                                                                    2151 \Edieresis{^^e8}{"E8}{"91}%
                                                                    2152 \Egrave{^^e9}{"E9}{"8F}%
                                                                    2153 \setminus Iacute\{^ea\}\{"EA\}\{"92\}\%
                                                                    2154 \Icircumflex{^^eb}{"EB}{"94}%
                                                                    2155 \Idieresis{^^ec}{"EC}{"95}%
                                                                    2156 \Igrave{^^ed}{"ED}{"93}%
                                                                    2157 \ensuremath{\texttt{Cacute}^{\text{ee}}{\texttt{EE}}{\texttt{97}}\%
                                                                    2158 \Ocircumflex{^^ef}{"EF}{"99}%
                                                                    2159 \Ograve{^^f1}{"F1}{"98}%
                                                                    2161 \Ucircumflex{^^f3}{"F3}{"9E}%
                                                                    2162 \Ugrave{^^f4}{"F4}{"9D}%
                                                                    2163 \powerone{^^f5}{"F5}{"F5}%
                                                                    2164 \endgroup
\@MakeHyphenationMac
                                                                    2165 \liminf CurrentEncoding=\DC\relax
                                                                    2166 \def\@MakeHyphenationMac#1{%
                                                                    2167 \catcode'#1=12%Legal value for \hyphenation
                                                                                      \ifnum'#1="80
                                                                    2169
                                                                                                  % A dieresis --> C4 (graphical symbol)
                                                                                                 \lccode'#1="C4%
                                                                    2170
                                                                                     \else\ifnum'#1="81
                                                                    2171
                                                                                             %A ring --> "C5 (approx sign)
                                                                    2172
                                                                                                 \lccode'#1="C5%
                                                                    2173
                                                                                    \else\ifnum'#1="82
                                                                    2174
                                                                                             %C cedilla --> "C7 (french opening guillemet)
                                                                    2175
                                                                                              \lccode'#1="C7%
                                                                    2176
                                                                    2177
                                                                                   \else\ifnum'#1="83
                                                                                            %E acute --> "C9 (three dot sign)
                                                                    2179
                                                                                               \lccode'#1="C9%
                                                                    2180 \else\ifnum'#1="84
                                                                                            %N tilde --> "D1 (long dash)
                                                                    2181
                                                                    2182
                                                                                               \lccode'#1="D1%
                                                                    2183 \else\ifnum'#1="85
                                                                                          %O dieresis --> "D6 (divide sign)
                                                                    2184
                                                                                                  \lccode'#1="D6%
                                                                    2185
```

2186

\else\ifnum'#1="86

```
%U dieresis --> "DC (graphical symbol)
2187
2188
        \lccode'#1="DC%
2189 \else\ifnum'#1="87
        %a acute --> "E1 (graphical symbol)
2190
        \lccode'#1="E1%
2192 \else\ifnum'#1="88
        %a grave --> "EO (double dag sign)
2194
        \lccode'#1="E0%
2195 \else\ifnum'#1="89
       %a circumflex --> "E2 (cedilla accent)
2196
        \lccode'#1="E2%
2197
2198 \else\ifnum'#1="8A
       %a dieresis --> "E4 (graphical symbol)
2199
2200
        \1ccode'#1="E4%
2201
     \else\ifnum'#1="8B
2202
        %a tilde --> "E3 (graphical symbol)
2203
        \lccode'#1="E3%
2204 \ \text{lse} ifnum'#1="8C
       %a ring --> "E5 (A circumflex) --> a circumflex
2205
        \lccode'#1="89%
2206
     \else\ifnum'#1="8D
2207
       %c cedilla --> "E7 (A acute) --> a acute
2208
        \lccode'#1="87%
2209
2210 \else\ifnum'#1="8E
       %e acute --> "E9 (E grave) --> e grave
2211
        \1ccode'#1="8F%
2213 \else\ifnum'#1="8F
        %e grave --> "E8 (E dieresis) --> e dieresis
2214
2215
        \lccode'#1="91%
2216 \else\ifnum'#1="90
       %e circumflex --> "EA (I acute) --> i acute
2217
        \lccode'#1="92%
2218
     \else\ifnum'#1="91
2219
       %e dieresis --> "EB (I circumflex) --> i circumflex
2220
        \lccode'#1="94%
2221
2222
     \else\ifnum'#1="92
       %i acute --> "ED (I grave) --> i grave
2223
        \lccode'#1="93%
2225
     \else\ifnum'#1="93
       %i grave --> "EC (I dieresis) --> i dieresis
2226
        \1ccode'#1="95%
2227
2228 \else\ifnum'#1="94
       %i circumflex --> "EE (O acute) --> o acute
2229
        \1ccode'#1="97%
2230
2231 \else\ifnum'#1="95
        %i dieresis --> "EF (O circumflex) --> o circumflex
2232
        \lccode'#1="99%
2234 \else\ifnum'#1="96
       %n tilde --> "F1 (0 grave) --> o grave
2235
2236
        \lccode'#1="98%
2237 \else\ifnum'#1="97
       %o acute --> "F3 (U circumflex) --> u circumflex
2238
        \1ccode'#1="9E%
2239
    \else\ifnum'#1="98
2240
2241
       %o grave --> "F2 (U acute) --> u acute
        \lccode'#1="9C%
2242
     \else\ifnum'#1="99
2243
        %o circumflex --> "F4 (U grave) --> u grave
2244
        \lccode'#1="9D%
2245
     \else\ifnum'#1="9A
2246
       %o dieresis --> "F6 (graphical sign)
2247
2248
        \lccode'#1="F6%
```

```
\else\ifnum'#1="9B
2249
2250
        %o tilde --> "F5 (power one sign)
2251
        \1ccode'#1="F5%
2252 \else\ifnum'#1="9C
        %u acute --> "FA (graphical sign)
        \lccode'#1="FA%
2254
2255 \else\ifnum'#1="9D
2256
       %u grave --> "F9 (graphical sign)
        \lccode'#1="F9%
2257
2258 \else\ifnum'#1="9E
       %u circumflex --> "FB (graphical sign)
2259
         \lccode'#1="FB%
2260
     \else\ifnum'#1="9F
2261
2262
       %u dieresis --> "FC (graphical sign)
2263
         \1ccode'#1="FC%
2264
     \else\ifnum'#1="AE
         %AE ligature --> "C6 (differential sign)
2266
         \lccode'#1="C6%
2267
     \else\ifnum'#1="BE
        %ae ligature --> "E6 (E circumflex) --> e circumflex
2268
         \1ccode'#1="90%
2269
2270 \quad \text{lse} \text{ifnum'#1="CB}
       %A grave --> "CO (Interrogation down sign)
2271
         \lccode'#1="C0%
2272
2273 \else\ifnum'#1="CC
        %A tilde --> "C3 (graphical sign)
2274
        \lccode'#1="C3%
2275
2276 \else\ifnum'#1="CD
2277
       %0 tilde --> "D5 (closing american quote)
2278
         \lccode'#1="D5%
2279 \else\ifnum'#1="CE
       %OE ligature --> "D7 (diamond sign)
2280
        \lccode'#1="D7%
2281
2282 \ \else\ \frac{1}{2}
     %oe ligature --> "F7 (graphical sign)
2283
         \lccode'#1="F7%
2284
      \else\ifnum'#1="D8
2285
         %y dieresis --> "B8 (Pi sign)
2287
         \1ccode'#1="B8%
2288 \else\ifnum'#1="E5
       %A circumflex --> "C2 (neg sign)
2289
        \lccode'#1="C2%
2290
2291 \else\ifnum'#1="E6
       %E circumflex --> "CA (graphical sign)
2292
        \lccode'#1="CA%
2293
2294 \else\ifnum'#1="E7
       %A acute --> "C1 (Exclam down sign)
2295
        \lccode'#1="C1%
2296
2297 \else\ifnum'#1="E8
        %E dieresis --> "CB (A acute) --> a acute
2298
2299
         \lccode'#1="88%
2300 \else\ifnum'#1="E9
       %E grave --> "C8 (closing french guillemet)
2301
         \1ccode'#1="C8%
2302
2303 \else\ifnum'#1="EA
       %I acute --> "CD (O tilde) --> o tilde
2304
         \lccode'#1="9B%
2305
2306
     \else\ifnum'#1="EB
         %I circumflex --> "CE (OE ligature) --> oe ligature
2307
         \lccode'#1="EF%
2308
         \label{lem:conflictHyphenCarMsg} $$ \operatorname{ConflictHyphenCarMsg}_I \ \operatorname{circumflex} \ ("EB)}_I \ \operatorname{dieresis} \ ("EC)}_{\mathcal{K}} $$
2309
2310
     \else\ifnum'#1="EC
```

```
%I dieresis --> "CF (oe ligature)
2311
2312
         \lccode'#1="EF%
2313
         \@ConflictHyphenCarMsg{I dieresis ("EC)}{I circumflex ("EB)}%
2314 \else\ifnum'#1="ED
        %I acute --> "CC (A tilde) --> a tilde
        \1ccode'#1="8B%
2317 \else\ifnum'#1="EE%
2318
       %O acute --> "D3 (closing us guillemet)
        \lccode'#1="D3%
2319
2320 \else\ifnum'#1="EF%
       %O circumflex --> "D4 (opening quote)
2321
        \lccode'#1="D4%
2322
     \else\ifnum'#1="F1%
2323
2324
        %0 grave --> "D2 (Opening US guillemets)
2325
         \lccode'#1="D2%
2326
     \else\ifnum'#1="F2%
        %U acute --> "DA (graphical character)
2328
         \lccode'#1="DA%
2329
     \else\ifnum'#1="F3%
        %U circumflex --> "DB (graphical character)
2330
        \lccode'#1="DB%
2331
     \else\ifnum'#1="F4%
2332
        %U grave --> "D9 (Y dieresis) --> y dieresis
2333
        \lccode'#1="D8%
2334
2335
     \else
       %we don't have a letter (a character to form word)
2336
       \@BadHyphenCarMsg{#1}
       \catcode'#1=15% make this character invalid
2338
2339
     fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
2340
     fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
2341
     fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
     fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
2342
     fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
2343
     fi\fi\fi\fi\fi
2344
2345 % We must have same count of \fi than \ifnum (55)
2347 \fi %\ifx\CurrentEncoding...
2348 \catcode '\@=\atcatcode \let\atcatcode\relax
2349 (/codepagemac)
```

## 4.7 Table for the code page of ISO LATIN SET ONE (file: codeiso1.tex)

#### \@IsoLatinSetOne

```
2350 (*codepageiso1)
2351 \chardef\atcatcode=\catcode'\@
2352 \catcode'\@=11\relax
2353
          \catcode '\Y=\active
2354
2355
          \gdef Y{\string Y}%
2356
      3%
2357 \begingroup
2358 \input initcar %
2359\ \verb|\| if case \verb|\| CurrentEncoding
      \input shapecm %
2360
       \Agrave{^^c0}{"C0}{"E0}%
2361
2362
       \Aacute{^^c1}{"C1}{"E1}%
       2363
       \Atilde{^^c3}{"C3}{"E3}%
2364
2365
       \Adieresis{^^c4}{"C4}{"E4}%
       \Aring{^^c5}{"C5}{"E5}%
2366
       \AE{^^c6}{"C6}{"E6}%
2367
```

```
2368
                \Ccedilla{^^c7}{"C7}{"E7}%
2369
                \Egrave{^^c8}{"C8}{"E8}%
                \Eacute{^^c9}{"C9}{"E9}%
2370
                \Ecircumflex{^^ca}{"CA}{"EA}%
2371
                \Edieresis{^^cb}{"CB}{"EB}%
2372
                \Igrave{^^cc}{"CC}{"EC}%
2373
                Iacute{^{cd}{"CD}{"ED}}
2374
2375
               \Icircumflex{^^ce}{"CE}{"EE}%
               \Idieresis{^^cf}{"CF}{"EF}%
2376
               \DBar{^^d0}{"D0}{"F0}%
2377
               \Ntilde{^^d1}{"D1}{"F1}%
2378
               \Ograve{^^d2}{"D2}{"F2}%
2379
                \Dacute{^^d3}{"D3}{"F3}%
2380
                \label{local_conflex} $$\operatorname{Circumflex}^{-d4}_{"D4}_{"F4}%$
2381
2382
                \Otilde{^^d5}{"D5}{"F5}%
2383
                \Odieresis{^^d6}{"D6}{"F6}%
2384
                \times{^^d7}{"D7}{"D7}%
                \Oslash{^^d8}{"D8}{"F8}%
2385
                \Ugrave{^^d9}{"D9}{"F9}%
2386
                \Uacute{^^da}{"DA}{"FA}%
2387
                \Ucircumflex{^^db}{"DB}{"FB}%
2388
                \Udieresis{^^dc}{"DC}{"FC}%
2389
               \Yacute{^^dd}{"DD}{"FD}%
2390
               \thorn{^^de}{"FE}{"DE}%
2391
                \beta{^^df}{"DF}{"DF}%
2392
                \agrave{^^e0}{"C0}{"E0}%
2393
                \aacute{^^e1}{"C1}{"E1}%
2394
                \acircumflex{^^e2}{"C2}{"E2}%
2395
2396
                \atilde{^^e3}{"C3}{"E3}%
2397
                \adieresis{^^e4}{"C4}{"E4}%
                \aring{^^e5}{"C5}{"E5}%
2398
                \ae{^^e6}{"C6}{"E6}%
2399
                \cedilla{^^e7}{"C7}{"E7}%
2400
                \egrave{^^e8}{"C8}{"E8}%
2401
2402
                \eacute{^^e9}{"C9}{"E9}%
2403
                \ecircumflex{^^ea}{"CA}{"EA}%
                \edieresis{^^eb}{"CB}{"EB}%
2404
                \igrave{^^ec}{"CC}{"EC}%
2405
                \iacute{^^ed}{"CD}{"ED}%
2406
                \icircumflex{^^ee}{"CE}{"EE}%
2407
                \idieresis{^^ef}{"CF}{"EF}%
2408
                \dBar{^^f0}{"D0}{"F0}%
2409
               \ntilde{^^f1}{"D1}{"F1}%
2410
               \ograve{^^f2}{"D2}{"F2}%
2411
               \oacute{^^f3}{"D3}{"F3}%
2412
               \ocircumflex{^^f4}{"D4}{"F4}%
2413
               \otilde{^^f5}{"D5}{"F5}%
2414
               \odieresis{^^f6}{"D6}{"F6}%
2415
               \div{^^f7}{"F7}{"F7}%
2416
2417
               \oslash{^^f8}{"D8}{"F8}%
               \ugrave{^^f9}{"D9}{"F9}%
2418
               \uesign{align*} \uesign{alig
2419
               \ucircumflex{^^fb}{"DB}{"FB}%
2420
               \udieresis{^^fc}{"DC}{"FC}%
2421
2422
                \\ensuremath{\mbox{yacute}^{^fd}_{"DD}_{"FD}}\
2423
                \Thorn{^^fe}{"DE}{"FE}%
                \ydieresis{^^ff}{"59}{"FF}%
2424
2425 \or
                \input shapedc %
2426
```

The following characters are in the same place in both (Iso1 and Dc) encodings. Thus the only thing to do is to change the *catcode* to transform the character in letter (can be used in control

sequence, but this is not recommended if one want have portable documents) and to define good values for uppercase and lowercase characters.

2427 %Agrave \global\catcode"C0=11\global\uccode"C0="C0\global\lccode"C0="E0% 2428 2429 %Aacute \global\catcode"C1=11\global\uccode"C1="C1\global\lccode"C1="E1% 2430 2431 %Acircumflex  $\label{location} $$ \global \catcode "C2=11 \global \uccode "C2="C2\global \lccode "C2="E2\% \global \catcode "C2="E2\% \g$ 2432 2433 %Atilde 2434\global\catcode"C3=11\global\uccode"C3="C3\global\lccode"C3="E3% 2435 %Adieresis \global\catcode"C4=11\global\uccode"C4="C4\global\lccode"C4="E4% 2436 2437 2438 \global\catcode"C5=11\global\uccode"C5="C5\global\lccode"C5="E5% 2439 %AE \global\catcode"C6=11\global\uccode"C6="C6\global\lccode"C6="E6% 2440 %Ccedilla 2441  $\verb|\global\catcode"C7=11\global\uccode"C7="C7\global\lccode"C7="E7|$ 2442 2443 %Egrave \global\catcode"C8=11\global\uccode"C8="C8\global\lccode"C8="E8% 24442445%Eacute \global\catcode"C9=11\global\uccode"C9="C9\global\lccode"C9="E9% 2446 %Ecircumflex 2447\global\catcode"CA=11\global\uccode"CA="CA\global\lccode"CA="EA% 24482449 %Edieresis \global\catcode"CB=11\global\uccode"CB="CB\global\lccode"CB="EB% 2450 %Igrave 2451  $\label{location} $$ \global \catcode "CC=11 \global \uccode "CC="CC\global \lccode "CC="EC\% \global \lccode "CC="EC\% \global \lccode "CC="EC\% \global \globa$ 2452 2453 %Iacute \global\catcode"CD=11\global\uccode"CD="CD\global\lccode"CD="ED% 2454 %Icircumflex 24552456 \global\catcode"CE=11\global\uccode"CE="CE\global\lccode"CE="EE% 2457 %Idieresis 2458 \global\catcode"CF=11\global\uccode"CF="CF\global\lccode"CF="EF% 2459 %DBar \global\catcode"D0=11\global\uccode"D0="D0\global\lccode"D0="F0% 2460 2461 %Ntilde \global\catcode"D1=11\global\uccode"D1="D1\global\lccode"D1="F1% 2462 %Ograve 2463 \global\catcode"D2=11\global\uccode"D2="D2\global\lccode"D2="F2% 2464 %Oacute 2465 \global\catcode"D3=11\global\uccode"D3="D3\global\lccode"D3="F3% 2466 2467 %Ocircumflex 2468 2469%Otilde 2470 \global\catcode"D5=11\global\uccode"D5="D5\global\lccode"D5="F5% 2471%Odieresis  $\label{location} $$ \global\catcode"D6=11\global\uccode"D6="D6\global\lccode"D6="F6\%" and the constraints of the constraints$ 2472  $\frac{^^d7}{"D7}{"D7}%$ 2473 %Oslash 2474 \global\catcode"D8=11\global\uccode"D8="D8\global\lccode"D8="F8% 24752476%Ugrave \global\catcode"D9=11\global\uccode"D9="D9\global\lccode"D9="F9% 2477 2478 \global\catcode"DA=11\global\uccode"DA="DA\global\lccode"DA="FA% 2479 %Ucircumflex 2480\global\catcode"DB=11\global\uccode"DB="DB\global\lccode"DB="FB% 2481 %Udieresis 2482  $\label{location} $$ \global \accode "DC=11 \global \uccode" DC="DC \global \lccode" DC="FC\% \global \accode" DC=11 \global \accode" DC=$ 2483 2484 \global\catcode"DD=11\global\uccode"DD="DD\global\lccode"DD="FD%

2485

- %thorn 2486
- \global\catcode"DE=11\global\uccode"DE="FE\global\lccode"DE="DE% 2487
- \beta{^^df}{"DF}{"DF}% 2488
- 2489 %agrave
- \global\catcode"E0=11\global\uccode"E0="C0\global\lccode"E0="E0% 2490
- 2491
- $\label{location} $$ \global \catcode"E1=11\global \uccode"E1="C1\global \lccode"E1="E1\%" \cite{C1} \cite$ 2492
- %acircumflex 2493
- 2494\global\catcode"E2=11\global\uccode"E2="C2\global\lccode"E2="E2%
- %atilde 2495
- 2496
- %adieresis 2497
- \global\catcode"E4=11\global\uccode"E4="C4\global\lccode"E4="E4% 2498
- 2499 %aring
- $\label{location} $$ \global \catcode "E5=11 \global \uccode" E5="C5 \global \lccode" E5="E5\% \global \catcode" E5=11 \global$ 2500
- 2501
- 2502 \global\catcode"E6=11\global\uccode"E6="C6\global\lccode"E6="E6%
- 2503 %ccedilla
- 2504 $\label{location} $$ \global \catcode"E7=11\global \uccode"E7="C7\global \lccode"E7="E7\% | \cite{C7} \cit$
- 2505 %egrave
- $\label{location} $$ \global \catcode"E8=11\global \uccode"E8="C8\global \lccode"E8="E8\%" \cite{C8} \cite{C8} \cite{C9} \cite$ 2506
- %eacute 2507
- $\label{location} $$ \global \catcode"E9=11\global \uccode"E9="C9\global \lccode"E9="E9\%" \cite{C9} \cite$ 2508
- %ecircumflex 2509
- $\label{location} $$ \global \catcode"EA=11\global \uccode"EA="CA\global\lccode"EA="EA\% | CA\global\catcode"EA=11$ 2510
- %edieresis 2511
- \global\catcode"EB=11\global\uccode"EB="CB\global\lccode"EB="EB% 2512
- 2513 %igrave
- \global\catcode"EC=11\global\uccode"EC="CC\global\lccode"EC="EC% 2514
- 2515%iacute
- 2516 $\label{location} $$ \global \catcode"ED=11\global \uccode"ED="CD\global\lccode"ED="ED\% | CD\global\catcode"ED=11$
- 2517%icircumflex
- $\label{location} $$ \global \catcode"EE=11\global \uccode"EE="CE\global\lccode"EE="EE\%" $$$ 2518
- %idieresis 2519
- \global\catcode"EF=11\global\uccode"EF="CF\global\lccode"EF="EF% 2520
- 2521 %dBar
- 2522 \global\catcode"F0=11\global\uccode"F0="D0\global\lccode"F0="F0%
- 2523 %ntilde
- \global\catcode"F1=11\global\uccode"F1="D1\global\lccode"F1="F1% 2524
- 2525 %ograve
- 2526  $\label{location} $$ \global \catcode"F2=11\global \uccode"F2="D2\global \lccode"F2="F2\% | for each of the property of the p$
- 2527 %oacute \global\catcode"F3=11\global\uccode"F3="D3\global\lccode"F3="F3% 2528
- 2529 %ocircumflex
- 2530
- $\label{location} $$ \global \catcode "F4=11\global \uccode"F4="D4\global \lccode"F4="F4\%" \cite{Location} $$$ %otilde 2531
- 2532 \global\catcode"F5=11\global\uccode"F5="D5\global\lccode"F5="F5%
- 2533 %odieresis
- \global\catcode"F6=11\global\uccode"F6="D6\global\lccode"F6="F6% 2534
- \div{^^f7}{"F7}{"F7}% 2535
- 2536 %oslash
- \global\catcode"F8=11\global\uccode"F8="D8\global\lccode"F8="F8% 2537
- %ugrave 2538
- \global\catcode"F9=11\global\uccode"F9="D9\global\lccode"F9="F9% 2539
- %uacute 2540
- \global\catcode"FA=11\global\uccode"FA="DA\global\lccode"FA="FA% 2541
- 2542 %ucircumflex
- \global\catcode"FB=11\global\uccode"FB="DB\global\lccode"FB="FB% 2543
- 2544 %udieresis
- \global\catcode"FC=11\global\uccode"FC="DC\global\lccode"FC="FC% 2545
- 2546
- \global\catcode"FD=11\global\uccode"FD="DD\global\lccode"FD="FD% 2547

```
%Thorn
                        2548
                                \global\catcode"FE=11\global\uccode"FE="DE\global\lccode"FE="FE%
                        2549
                                %vdieresis
                        2550
                                \label{location} $$ \global \catcode"FF=11\global\uccode"FF="59\global\lccode"FF="FF\%" $$
                        2551
                        2552 \fi %\ifcase
                          These symbols are drawn with mathematical commands and thus are aleways "active" in both
                          encoding
                        2553 \exclamdown{^^a1}{"A1}{"A1}%
                        2554 \left(^242}{"A2}{"A2}%"
                        2555 \pounds{^^a3}{"A3}{"A3}%
                        2557 \yen{^^a5}{"A5}{"A5}%
                        2558 \splitbar{^^a6}{"A6}{"A6}%
                        2559 \section{^^a7}{"A7}{"A7}%
                        2560 \dieresis{^^a8}{"A8}{"A8}%
                        2561 \copyright{^^a9}{"A9}{"A9}%
                        2562 \ordfeminine{^aa}{"AA}{"AA}%
                        2563 \guilletmotleft{^^ab}{"AB}{"AB}%
                        2564 \lceil ^ac \}{"AC}{"AC}%
                        2565 \register{^^ad}{"AD}{"AD}%
                        2566 \degree{^^b0}{"B0}{"B0}%
                        2567 \pm{^^b1}{"B1}{"B1}%
                        2568 \powertwo{^^b2}{"B2}{"B2}%
                        2569 \powerthree{^^b3}{"B3}{"B3}%
                        2570 \mu{^^b5}{"B5}{"B5}%
                        2571 \ParagraphSign{^^b6}{"B6}{"B6}}%
                        2572 \bullet{^^b7}{"B7}{"B7}%
                        2573 \ensuremath{\mbox{cedilla}^{\mbox{$^{\circ}$b8}{"B8}{"B8}}}
                        2574 \powerone{^^b9}{"B9}{"B9}%
                        2576 \guillemeotright{^^bb}{"BB}{"BB}%
                        2577 \OneQuarter{^^bc}{"BC}{"BC}%
                        2578 \OneHalf{^^bd}{"BD}{"BD}%
                        2579 \threequarter{^^be}{"BE}{"BE}%
                        2580 \questiondown{^^bf}{"BF}{"BF}}%
                        2581 \endgroup
\@MakeHyphenationLatin1
                        2582 \ifnum\CurrentEncoding=\DC
                        2583 \def\@MakeHyphenationLatinOne#1{%
                        2584~\% Here we have not too much work since the character from Iso Latin set one and
                        2585\ \% from DC encoding are the same. We just do the verification that the character
                        2586 % is a letter.
                        2587 \catcode '#1=12%
                        2588 \ifnum'#1>"CO%
                               \ifnum'#1="D7% Times sign
                        2589
                                   \@BadHyphenCarMsg{#1}%
                        2590
                                \fi
                        2591
                               \ifnum'#1="DF% beta sign
                        2592
                                   \@BadHyphenCarMsg{#1}%
                        2593
                        2594
                                \ifnum'#1="F7% Divide sign
                        2595
                                   \@BadHyphenCarMsg{#1}%
                        2596
                        2597
                                \fi
                        2598
                              \else
                                \@BadHyphenCarMsg{#1}%
                        2599
                        2600 \fi
                        2601 }%
                        2602 \fi %\ifnum\CurrentEncoding...
                        2603 \catcode'\@=\atcatcode \let\atcatcode\relax
```

2604 (/codepageiso1)

## 4.8 Default value for each character (file: initcar.tex)

The file when inputting give a default value to each character above 127, and set the value for \lccode and \uccode to the character itself. This convention doesn't follow the normal TeX convention (where a character without uppercase or lowercase has value zero for both code) but it is necessary to be able to declare hyphenation exception (containing character above 127) with the command \hyphenation.

```
2605 (*initcar)
   2606 \gdef^{80}\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccode"80="80\global\uccod
   2607 \gdef^^81{\@DefaultValue{81}}\global\uccode"81="81\global\lccode"81="81%
   2608 \gdef^{82}\QDefaultValue\{82\}\global\uccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"82="82\global\lccode"8
   2609 \gdef^{83}\QDefaultValue{83}\global\uccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"83="83\global\lccode"8
2610 \ensuremath{\mbox{\mbox{$4$}}\global\uccode"84="84\global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"84="84\%global\lccode"
2611 \gdef^^85{\gDefaultValue} \{85\}\global\uccode"85="85\global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode"85="85\%global\lccode
2612 \ensuremath{\mbox{\mbox{$12$} \ensuremath{\mbox{\mbox{$2612$}}}} \ensuremath{\mbox{\mbox{$2612$}}} \ensuremath{\mbox{\mbox{$2612$}}} \ensuremath{\mbox{$2612$}} \ensuremath{\mbo
2613 \ensuremath{\mbox{\mbox{$$2$}}} \ensuremath{\mbox{\mbox{\mbox{$$2$}}} \ensuremath{\mbox{\mbox{\mbox{$$2$}}}} \ensuremath{\mbox{\mbox{\mbox{$$2$}}}} \ensuremath{\mbox{\mbox{\mbox{$$2$}
2614 \gdef^{88}\global\uccode"88="88\global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccode"88="88\%global\lccod
2615 \gdef^^89{\@DefaultValue{89}}\global\uccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89="89\global\lccode"89
2616 \gdef^^8a{\@DefaultValue{8a}}\global\uccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A="8A\global\lccode"8A
2617 \gdef^^8b{\@DefaultValue{8b}}\global\uccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B="8B\global\lccode"8B
2619 \gdef^^8d{\@DefaultValue{8d}}\global\uccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lcdode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D="8D\global\lccode"8D
2620 \gdef^^8e{\@DefaultValue{8e}}\global\uccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E="8E\global\lccode"8E
2621 \gdef^{8}{\QDefaultValue{8f}}\global\uccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\lccode"8F="8F\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\
2622 \ensuremath{\mbox{\mbox{$2$} \mbox{$2$} \mbox{$2
2623 \end{2} $$ \end{2} \end
2624 \gdef^^92{\QDefaultValue{92}}\global\uccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"92="92\global\lccode"
2625 \gdef^93{\OmegaefaultValue{93}}\global\uccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93="93\global\lccode"93=
   2626 \gdef^^94{\@DefaultValue{94}}\global\uccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94="94\global\lccode"94
   2628 \gdef^{96}\@DefaultValue {96}}\global\uccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode"96="96\global\lccode
   2629 \def^97{\cluster} \global\uccode"97="97\global\lccode"97="97\cluster]
2630 \end{ffig} $$2630 \end{
2631 \end{array} $$ 2631 \end{array} $$ \end{array} \end{array} $$ 2631 \end{array} 
2633 \ensuremath{\mbox{\mbox{$\sim$}}} \ensuremath{\mbox{$\sim$}} \ensuremath{\
2634 \gdef^{9}c{\QDefaultValue{9c}}\global\uccode"9C="9C\global\lccode"9C="9C\global\lccode"9C="9C\global\lccode"9C="9C\global\lccode"9C="9C\global\lccode"9C="9C\global\lccode"9C="9C\global\lccode"9C="9C\global\lccode"9C="9C\global\lccode"9C="9C\global\lccode"9C="9C\global\lccode"9C="9C\global\lccode"9C="9C\global\lccode"9C="9C\global\lccode"9C="9C\global\lccode"9C="9C\global\lccode"9C="9C\global\lccode"9C="9C\global\lccode"9C="9C\global\lccode"9C="9C\global\lccode"9C="9C\global\lccode"9C="9C\global\lccode"9C="9C\global\lccode"9C="9C\global\global\lccode"9C="9C\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global
2635 \ensuremath{\mbox{\mbox{$\sim$}}} \ensuremath{\mbox{$\sim$}} \ensuremath{\
2636 \gdef^^9e{\@DefaultValue{9e}}\global\uccode"9E="9E\global\lccode"9E="9E%
2637 \gdef^^9f{\QDefaultValue{9f}}\global\uccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lcdcdd"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"9F="9F\global\lccode"
2638 \gdef^^a0{\@DefaultValue{a0}}\global\uccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0="A0\global\lccode"A0
2640 \gdef^{a2}(\QDefaultValue\{a2\})\global\uccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode"A2="A2\global\lccode
2641 \gdef^{3}(\gdef^{3})\global\uccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\global\lccode"A3="A3\gl
2642 \gdef^a4{\QDefaultValue{a4}}\global\uccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A4="A4\global\lccode"A
2643 \end{abs} global \uccode "A5="A5\global\lccode" A5="A5\% global\lccode" A5="A5\% globa
2644 \gdef^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{\c}def^a6{
2645 \qdef^aaf{\QDefaultValue{a7}}\global\uccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"A7="A7\global\lccode"
2646 \gdef^^a8{\QDefaultValue{a8}}\global\uccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8="A8\global\lccode"A8
   2647 \qdef^a9{\QDefaultValue{a9}}\global\uccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A9="A9\global\lccode"A
   2648 \gdef^^aa{\@DefaultValue{aa}}\global\uccode"AA="AA\global\lccode"AA="AA%
   2649 \gdef^ab{\QDefaultValue{ab}}\global\uccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\lccode"AB="AB\global\global\lccode"AB="AB\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\g
   2650 \gdef^ac{\QDefaultValue{ac}}\global\uccode"AC="AC\global\lccode"AC="AC\global\lccode"AC="AC\global\lccode"AC="AC\global\lccode"AC="AC\global\lccode"AC="AC\global\lccode"AC="AC\global\lccode"AC="AC\global\lccode"AC="AC\global\lccode"AC="AC\global\lccode"AC="AC\global\lccode"AC="AC\global\lccode"AC="AC\global\lccode"AC="AC\global\lccode"AC="AC\global\lccode"AC="AC\global\lccode"AC="AC\global\lccode"AC="AC\global\lccode"AC="AC\global\lccode"AC="AC\global\lccode"AC="AC\global\lccode"AC="AC\global\lccode"AC="AC\global\lccode"AC="AC\global\lccode"AC="AC\global\global\lccode"AC="AC\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\g
2651 \gdef^ad{\@DefaultValue{ad}}\global\uccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD="AD\global\lccode"AD=
2652 \gdef^^ae{\@DefaultValue{ae}}\global\uccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE="AE\global\lccode"AE
2653 \ensuremath{\code"AF="AF\global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="AF\%global\lccode"AF="A
2654 \ensuremath{\mbox{\mbox{$\sim$}}} \ensuremath{\mbox{$\sim$}} \ensuremath{\mbo
2656 \gdef^^b2{\@DefaultValue{b2}}\global\uccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2="B2\global\lccode"B2
2657 \gdef^b3{\QDefaultValue{b3}}\global\uccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lcdcode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"B3="B3\global\lccode"
2658 \qdef^^b4{\QDefaultValue\{b4\}}\global\uccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"B4="B4\global\lccode"
```

```
2659 \ensuremath{\mbox{\mbox{$\sim$}}} \ensuremath{\mbox{$\sim$}} \ensuremath{\mbo
  2661 \ensuremath{\mbox{\mbox{$\sim$}}} \ensuremath{\mbox{$\sim$}} \ensuremath{\mbo
2662 \gdef^^b8{\c}\global\uccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lccode"B8="B8\global\lc
2664 \gdef^^ba{\c}\global\uccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lccode"BA="BA\global\lc
2670 \end{fe} $$ \end{fe} \e
2672 \end{figure} $$2672 \end{figure} $$2672
2673 \qdef^c3{\QDefaultValue{c3}}\global\uccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C3="C3\global\lccode"C
2674 \qdef^c4{\QDefaultValue{c4}}\global\uccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C4="C4\global\lccode"C
  2675 \gdef^^c5{\gDefaultValue} \c5}\}\global\uccode"C5="C5\global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccode"C5="C5\%global\lccod
  2677 \gdef^^c7{\QDefaultValue\{c7\}}\global\uccode"C7="C7\global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"C7="C7\%global\lccode"
  2678 \gdef^{c}{\QDefaultValue\{c8\}}\global\uccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"C8="C8\global\lccode"
2679 \end{code} \end
2687 \gdef^^d1{\@DefaultValue{d1}}\global\uccode"D1="D1\global\lccode"D1="D1%
2689 \gdef^^d3{\c} \global\uccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\lccode"D3="D3\global\l
2690 \end{20} $$ \end{20} \end{20} $$ \end{20} \end{20} $$ \end{
2691 \qdef^^d5{\c}def^{2}\global\uccode"D5="D5\qlobal\lccode"D5="D5\c}def^{2}\global\lccode"D5="D5\c}def^{2}\global\lccode"D5="D5\c}def^{2}\global\lccode"D5="D5\c}def^{2}\global\lccode"D5="D5\c}def^{2}\global\lccode"D5="D5\c}def^{2}\global\lccode"D5="D5\c}def^{2}\global\lccode"D5="D5\c}def^{2}\global\lccode"D5="D5\c}def^{2}\global\lccode"D5="D5\c}def^{2}\global\lccode"D5="D5\c}def^{2}\global\lccode"D5="D5\c}def^{2}\global\cdcde"D5="D5\c}def^{2}\global\cdcde"D5="D5\c}def^{2}\global\cdcde"D5="D5\c}def^{2}\global\cdcde"D5="D5\c}def^{2}\global\cdcde"D5="D5\c}def^{2}\global\cdcde"D5="D5\c}def^{2}\global\cdcde"D5="D5\c}def^{2}\global\cdcde"D5="D5\c}def^{2}\global\cdcde"D5="D5\c}def^{2}\global\cdcde"D5="D5\c}def^{2}\global\cdcde"D5="D5\c}def^{2}\global\cdcde"D5="D5\c}def^{2}\global\cdcde"D5="D5\c}def^{2}\global\cdcde"D5="D5\c}def^{2}\global\cdcde"D5="D5\c}def^{2}\global\cdcde"D5="D5\c}def^{2}\global\cdcde"D5="D5\c}def^{2}\global\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdcde"D5="D5\cdc
  2692 \gdef^^d6{\@DefaultValue{d6}}\global\uccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6="D6\global\lccode"D6
  2693 \gdef^^d7{\QDefaultValue \d7}\global\uccode "D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lcdcdd"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode"D7="D7\global\lccode
  2694 \gdef^{d8}\eqdef^{d8}\global\uccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\global\lccode"D8="D8\g
  2696 \gdef^da{\QDefaultValue{da}}\global\uccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA="DA\global\lccode"DA\global\lccode"DA="DA\global\lccode"DA\global\lccode"DA\global\lccode"DA\global\lccode"DA\global\global\lccode"DA\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\glob
  2697 \gdef^^db{\@DefaultValue{db}}\global\uccode"DB="DB\global\lccode"DB="DB\g
  2698 \gdef^^dc{\@DefaultValue{dc}}\global\uccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC="DC\global\lccode"DC
  2699 \gdef^^dd{\@DefaultValue{dd}}\global\uccode"DD="DD\global\lccode"DD="DD%
2701 \end{code"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\lccode"DF="DF\global\global\lccode"DF="DF\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global\global
2702 \end{f^e0{\end}} \end{def^e0{\end}} \end{def} \en
2703 \end{code} $$ 2703 \end{c
2704 \gdef^^e2{\@DefaultValue{e2}}\global\uccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2="E2\global\lccode"E2\global\lccode"E2\global\lccode"E2\global\lccode"E2\global\lccode"E2\global\lccode"E2\global\lccode"E2\global\lccode"E2\global\lccode"E2\global\lccode"E2\global\lccode"E2\global\lccode"E2\global\lccode"E2\global\lccode"E2\global\lccode"E2\global\lccode"E2\global\lccode"E2\global\lccode"E2\global\lccode"E2\global\lccode"E2\global\lccode"E2\global\lccode"E2
2705 \end{f^^e3} \end{global} luccode "E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\global\lccode"E3="E3\glo
2707 \gdef^^e5{\@DefaultValue{e5}}\global\uccode"E5="E5\global\lccode"E5="E5%
2708 \qdef^e6{\QDefaultValue{e6}}\global\uccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E6="E6\global\lccode"E
2709 \gdef^^e7{\@DefaultValue{e7}}\global\uccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7\global\lccode"E7="E7
2710 \gdef^^e8{\QDefaultValue{e8}}\global\uccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8="E8\global\lccode"E8
2711 \end{f^^e9} \end{global} luccode "E9="E9\global\lccode"E9="E9\% \end{global} luccode "E9="E9\% \end{global} luccode "E9="
2714 \gdef^ec{\@DefaultValue{ec}}\global\uccode"EC="EC\global\lccode"EC="EC\%
2715 \gdef^^ed{\@DefaultValue{ed}}\global\uccode"ED="ED\global\lccode"ED="ED\%
2716 \gdef^^ee{\@DefaultValue{ee}}\global\uccode"EE="EE\global\lccode"EE="EE%
  2717 \gdef^^ef{\@DefaultValue{ef}}\global\uccode"EF="EF\global\lccode"EF="EF\%
  2718 \gdef^{0}(\DefaultValue\{f0\}\global\uccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0="F0\global\lccode"F0
2720 \qdef^f2{\QDefaultValue{f2}}\global\uccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\lccode"F2="F2\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\qlobal\q
```

```
 2721 \ gdef^f3{\ @DefaultValue{f3}}\ global\ uccode"F3="F3\ global\ lccode"F3="F3\ gdef^f4{\ @DefaultValue{f4}}\ global\ uccode"F4="F4\ global\ lccode"F5="F5\ gdef^f5{\ @DefaultValue{f5}}\ global\ uccode"F5="F5\ global\ lccode"F6="F6\ global\ lccode"F6="F6\ gdef^f6{\ @DefaultValue{f6}}\ global\ uccode"F6="F6\ global\ lccode"F6="F6\ gdef^f7{\ @DefaultValue{f7}}\ global\ uccode"F7="F7\ global\ lccode"F7="F7\ gdef^f9{\ @DefaultValue{f9}}\ global\ uccode"F9="F9\ global\ lccode"F9="F9\ gdef^f1{\ @DefaultValue{f1}\ global\ uccode"F8="F8\ global\ lccode"F8="F8\ gdef^f1{\ @DefaultValue{f1}\ global\ uccode"F8="F8\ global\ lccode"F8="F8\ gdef^f1{\ @DefaultValue{f1}\ global\ uccode"F6="F7\ global\ lccode"F6="F7\ gdef^f1{\ @DefaultValue{f1}\ global\ uccode"F7="F7\ global\ lccode"F7="F7\ gdef^f1\ gdef^f1{\ @DefaultValue{f1}\ global\ uccode"F7="F7\ global\ lccode"F7="F7\ globa
```

# References

- [1] M. Goosens, F. Mittelbach, and A. Samarin The LATEX Companion, 1994, Addison-Wesley.
- [2] V. Eijkhout TeX by Topic A TeXnician's Reference, 1992 Addison-Wesley
- [3] R. Seroul Le petit livre de T<sub>E</sub>X, 1989, InterÉdition