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Latin Modern Family of Fonts  
THE TECHNICAL DOCUMENTATION

## Welcome to the Latin Modern family of fonts

The text below is a slightly modified small excerpt from the article Bogusław Jackowski and Janusz M. Nowacki, *Accents, accents, accents... —enhancing fonts with “funny” characters*. (The article presents in detail the origins and scope of the Latin Modern Project; see <https://www.tug.org/TUGboat/tb24-1/jackowski.pdf> for the full text of the article).

Accented characters play the rôle of *enfants terribles* in the world of computers. Anybody who has to communicate with another computer system in a language other than English knows that using so called “funny characters” is not fun at all.

A giant step towards putting some order into the chaos was the Unicode standard (ISO/IEC 10646) published in 1993. Unicode, obviously, does not remove all the problems from the font’s playground, and even adds a few specific ones (e.g., the problems with the size of fonts or with the registration of non-standard characters and languages). Nevertheless, one can believe that the world will become a bit better when Unicode turns from the standard *de nomine* to the standard *de facto*.

T<sub>E</sub>X with its 8-bit (i.e., 256 characters per font) paradigm is more and more obsolescent and enhancing it by multi-byte character codes seems unavoidable. Such efforts as OMEGA T<sub>E</sub>X, developed by John Plaice and Yannis Haralambous, cannot be overestimated from this point of view. But the typesetting system itself is only one side of the coin. The other is a collection of fonts it uses.

Originally, T<sub>E</sub>X was equipped with Computer Modern family of fonts (CM) which did not contain diacritical characters. Those few T<sub>E</sub>X users who would need accented letters were supposed to employ the `\accent` primitive. The immense popularity of T<sub>E</sub>X in countries that use lots of diacritical characters proved this presumption invalid. At least three reasons can be set forth: (1) accented characters do not behave like “normal” ones, e.g., they interfere with important T<sub>E</sub>X algorithms such as hyphenation and insertion of implicit kerns; (2) the CM fonts do not contain all necessary diacritics, e.g., an ogonek accent (used in Polish, Lithuanian, Navaho) is missing; (3) such diacritical elements as cedilla and ogonek, when treated as “accents,” overlap with a letter, which precludes some applications, e.g., preparing texts for cutting plotters, even if outline fonts are used. The lesson is obvious—the CM family should be extended by a variety of diacritical letters.

The Latin Modern (LM) family of fonts was the response this challenge.

In 2002, during the T<sub>E</sub>X meeting in Bachotek, Poland, the representatives of European T<sub>E</sub>X users group, having discussed the matters on email, came up with a proposal of converting Lars Engbrechtsen’s AE virtual fonts into a more universal POSTSCRIPT Type 1 format and augmenting them with a set of necessary diacritical characters. We took up the gauntlet without hesitation.

Our intention was to preserve the AE name, as we wanted to emphasize the rôle of Engbrechtsen’s idea in this enterprise. Soon it became clear, however, that the differences would be fundamental and that the change of the name would be necessary in order to avoid a mess. Therefore, we coined the name “Latin Modern”.

At present, the Latin Modern text font collection consists of 72 files of various kinds—serif, sans serif, monospaced, designed for nominal use at specific point sizes (from 5 to 17 points), and so on. In theory, variants of different design sizes could be combined into a single group. For this purpose, OpenType fonts offer the size feature—but experience suggests this may not have been the best idea, as it has not been widely adopted in practice.

The collection consist of the following POSTSCRIPT Type1 text fonts

```
lmb10 lmb010 lmbx5 lmbx6 lmbx7 lmbx8 lmbx9 lmbx10 lmbx12 lmbxi10 lmbxo10 lmcsc10 lmcsc010 lmdunh10 lmduno10 lmr5 lmr6 lmr7 lmr8 lmr9 lmr10
lmr12 lmr17 lmr17 lmr18 lmr19 lmr10 lmr12 lmr08 lmr09 lmr010 lmr012 lmr017 lms8 lms9 lms10 lms12 lms17 lmsbo10 lmsbx10 lmsdc10
lmsdo10 lmsso8 lmsso9 lmsso10 lmsso12 lmsso17 lmsq8 lmsqbo8 lmsqbx8 lmsqo8 lmtcsc10 lmtcso10 lmtk10 lmtko10 lmtl10 lmtlc10 lmtlco10
lmtlo10 lmtt8 lmtt9 lmtt10 lmtt12 lmtti10 lmtto10 lmu10 lmvtk10 lmvtko10 lmvtl10 lmvto10 lmvtt10 lmvtto10
```

and 20 POSTSCRIPT Type1 math fonts

```
lmsy5 lmsy7 lmsy10 lmex10 lmmi5 lmmi6 lmmi7 lmmi8 lmmi9 lmmi10 lmmi12 lmmib5 lmmib7 lmmib10 lmsy5 lmsy6 lmsy7 lmsy8 lmsy9 lmsy10
```

Note that although not every LM text font has its CM counterpart and vice versa, all LM math fonts belong to the CM standard (cmbsy7 cmbsy10 cmmib5 cmmib7 were added by the American Mathematical Society).

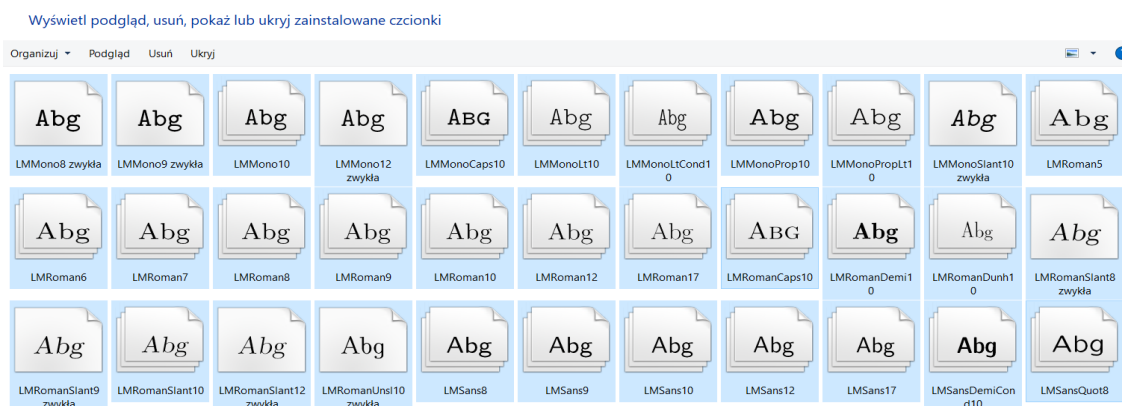
LM text fonts have been implemented also in the OPENTYPE (OTF) form. The math LM fonts have no OTF variant—instead, the OPENTYPE LM math font was prepared (cf. <https://www.gust.org.pl/projects/e-foundry/lm-math>). Systems typically interact with users using the internal names embedded within font files. As a convention, the names of OTF files are usually lowercase versions of these internal names. Below is a list of POSTSCRIPT Type1 font file names alongside their (and OTF) corresponding internal names:

lmb10	LMRomanDemi10-Regular	lmss10	LMSans10-Regular	lmvtk10	LMMonoPropLt10-Bold
lmb010	LMRomanDemi10-Oblique	lmss12	LMSans12-Regular	lmvtko10	LMMonoPropLt10-BoldOblique
lmbx10	LMRoman10-Bold	lmss17	LMSans17-Regular	lmvtl10	LMMonoPropLt10-Regular
lmbx12	LMRoman12-Bold	lmss8	LMSans8-Regular	lmvtlo10	LMMonoPropLt10-Oblique
lmbx5	LMRoman5-Bold	lmss9	LMSans9-Regular	lmvtt10	LMMonoProp10-Regular
lmbx6	LMRoman6-Bold	lmssbo10	LMSans10-BoldOblique	lmvtto10	LMMonoProp10-Oblique
lmbx7	LMRoman7-Bold	lmssbx10	LMSans10-Bold		
lmbx8	LMRoman8-Bold	lmssdc10	LMSansDemiCond10-Regular		
lmbx9	LMRoman9-Bold	lmssdo10	LMSansDemiCond10-Oblique		
lmbxi10	LMRoman10-BoldItalic	lmssol10	LMSans10-Oblique		
lmbxo10	LMRomanSlant10-Bold	lmssol12	LMSans12-Oblique		
lmcsc10	LMRomanCaps10-Regular	lmssol17	LMSans17-Oblique		
lmcsc10	LMRomanCaps10-Oblique	lmssol8	LMSans8-Oblique		
lmdunh10	LMRomanDunh10-Regular	lmssol9	LMSans9-Oblique		
lmduno10	LMRomanDunh10-Oblique	lmssq8	LMSansQuot8-Regular		
lmr10	LMRoman10-Regular	lmssqbo8	LMSansQuot8-BoldOblique		
lmr12	LMRoman12-Regular	lmssqbx8	LMSansQuot8-Bold		
lmr17	LMRoman17-Regular	lmssqo8	LMSansQuot8-Oblique		
lmr5	LMRoman5-Regular	lmtcsc10	LMMonoCaps10-Regular		
lmr6	LMRoman6-Regular	lmtcso10	LMMonoCaps10-Oblique		
lmr7	LMRoman7-Regular	lmtk10	LMMonoLt10-Bold		
lmr8	LMRoman8-Regular	lmtko10	LMMonoLt10-BoldOblique		
lmr9	LMRoman9-Regular	lmtl10	LMMonoLt10-Regular		
lmri10	LMRoman10-Italic	lmtlc10	LMMonoLtCond10-Regular		
lmri12	LMRoman12-Italic	lmtlco10	LMMonoLtCond10-Oblique		
lmri7	LMRoman7-Italic	lmtlo10	LMMonoLt10-Oblique		
lmri8	LMRoman8-Italic	lmtt10	LMMono10-Regular		
lmri9	LMRoman9-Italic	lmtt12	LMMono12-Regular		
lmro10	LMRomanSlant10-Regular	lmtt8	LMMono8-Regular		
lmro12	LMRomanSlant12-Regular	lmtt9	LMMono9-Regular		
lmro17	LMRomanSlant17-Regular	lmtti10	LMMono10-Italic		
lmro8	LMRomanSlant8-Regular	lmtto10	LMMonoSlant10-Regular		
lmro9	LMRomanSlant9-Regular	lmu10	LMRomanUnsl10-Regular		

#### POSTSCRIPT TYPE 1 MATH FONTS:

lmsy10	LMMathSymbols10-Bold
lmsy5	LMMathSymbols5-Bold
lmsy7	LMMathSymbols7-Bold
lmex10	LMMathExtension10-Regular
lmmi10	LMMathItalic10-Regular
lmmi12	LMMathItalic12-Regular
lmmi5	LMMathItalic5-Regular
lmmi6	LMMathItalic6-Regular
lmmi7	LMMathItalic7-Regular
lmmi8	LMMathItalic8-Regular
lmmi9	LMMathItalic9-Regular
lmmib10	LMMathItalic10-Bold
lmmib5	LMMathItalic5-Bold
lmmib7	LMMathItalic7-Bold
lmsy10	LMMathSymbols10-Regular
lmsy5	LMMathSymbols5-Regular
lmsy6	LMMathSymbols6-Regular
lmsy7	LMMathSymbols7-Regular
lmsy8	LMMathSymbols8-Regular
lmsy9	LMMathSymbols9-Regular

In the computing world, fonts are most commonly grouped into four variants—regular, italic or oblique, bold, and bold italic or oblique—although in practice some families have fewer variants. The grouping of the Latin Modern fonts into such sets is not straightforward. When changing the font generation software for GUST e-Foundry, we decided to revise the grouping and define 33 subfamilies of 1-, 2-, 3-, and 4-member sets. Below, is the screenshot of the (Polish) Windows 10 font panel with the installed OTF Latin Modern subfamilies:



Each of the Latin Modern text fonts contains about 800 glyphs. To our knowledge, the repertoire of characters covers all European languages as well as some other Latin-based alphabets such as Vietnamese and Navajo. In our work, we frequently exploited the information presented at the web site *The Alphabets of Europe* by Michael Everson (<https://www.evertype.com/alphabets/>). If you know about European languages that are not covered completely or if some glyphs have apparently wrong shapes—please let us know.

In order to facilitate access to the full range of diacritical characters when using T<sub>E</sub>X font metrics files (TFMs; TFM files are the native font metric format of T<sub>E</sub>X, originating from the time before outline fonts existed. Originally, T<sub>E</sub>X used bitmap fonts. TFM files were later adapted particularly for use with POSTSCRIPT Type 1 fonts once outline fonts became common), we prepared eight different 255-character encodings for each font:

- CS (CS TUG; cs-\*.tfm),
- EC (Cork aka T1; ec-\*.tfm),
- QX (GUST; qx-\*.tfm)
- RM (“regular math,” used in OT1 and OT4; rm-\*.tfm)
- L7X (Lithuanian; l7x-\*.tfm),
- Y&Y’s TeX’n’ANSI (aka LY1; texnansi-\*.tfm),
- T5 (Vietnamese; t5-\*.tfm),
- Text Companion for EC (fonts aka TS1; ts1-\*.tfm)

The L<sup>A</sup>T<sub>E</sub>X support for all the encodings is provided.

More information about the Latin Modern glyph repertoire and the grouping of fonts into subfamilies can be found in the file `/doc/fonts/lm/lm-glyphs'and'fams.txt`.

More details can be found in:

Bogusław Jackowski, Janusz M. Nowacki, *Latin Modern fonts: how less means more*  
<https://tug.org/TUGboat/tb27-0/jackowski.pdf>

Will Robertson, *An exploration of the Latin Modern fonts*  
<https://dw.tug.org/pracjourn/2006-1/robertson/>

## OpenType Layout features found in LMRoman10-Regular

```
script = 'DFLT'
language = <default>
features = 'dlig' 'frac' 'liga' 'lnum' 'onum' 'pnum' 'tnum' 'zero' 'csp' 'kern' 'size'

script = 'cyr1'
language = <default>
features = 'dlig' 'frac' 'liga' 'lnum' 'onum' 'pnum' 'tnum' 'zero' 'csp' 'size'

script = 'latn'
language = 'AZE '
features = 'dlig' 'frac' 'liga' 'lnum' 'onum' 'pnum' 'tnum' 'zero' 'csp' 'size'

language = 'CRT '
features = 'dlig' 'frac' 'liga' 'lnum' 'onum' 'pnum' 'tnum' 'zero' 'csp' 'size'

language = 'MOL '
features = 'dlig' 'frac' 'liga' 'lnum' 'locl' 'onum' 'pnum' 'tnum' 'zero' 'csp' 'size'

language = 'NLD '
features = 'dlig' 'frac' 'liga' 'lnum' 'onum' 'pnum' 'tnum' 'zero' 'csp' 'size'

language = 'PLK '
features = 'dlig' 'frac' 'liga' 'lnum' 'onum' 'pnum' 'tnum' 'zero' 'csp' 'size'

language = 'ROM '
features = 'dlig' 'frac' 'liga' 'lnum' 'locl' 'onum' 'pnum' 'tnum' 'zero' 'csp' 'size'

language = 'TRK '
features = 'dlig' 'frac' 'liga' 'lnum' 'onum' 'pnum' 'tnum' 'zero' 'csp' 'size'

language = <default>
features = 'dlig' 'frac' 'liga' 'lnum' 'onum' 'pnum' 'tnum' 'zero' 'csp' 'kern' 'size'

language = <default>
features = 'dlig' 'frac' 'liga' 'lnum' 'onum' 'pnum' 'tnum' 'zero' 'csp' 'kern' 'size'

language = <default>
features = 'dlig' 'frac' 'liga' 'lnum' 'onum' 'pnum' 'tnum' 'zero' 'csp' 'kern' 'size'

language = <default>
features = 'dlig' 'frac' 'liga' 'lnum' 'onum' 'pnum' 'tnum' 'zero' 'csp' 'kern' 'size'

language = <default>
features = 'dlig' 'frac' 'liga' 'lnum' 'onum' 'pnum' 'tnum' 'zero' 'csp' 'kern' 'size'

language = <default>
features = 'dlig' 'frac' 'liga' 'lnum' 'onum' 'pnum' 'tnum' 'zero' 'csp' 'kern' 'size'
```

## Supported Unicode Blocks

- 0x0000 - 0x00FF ANSI
- 0x0080 - 0x00FF Latin Supplement and C1 Controls
- 0x0100 - 0x017F Latin Extended-A
- 0x1E00 - 0x1EFF Latin Extended Additional

## Supported Windows Code Pages

1250 ANSI Latin 2 (Central Europe)  
1252 ANSI Latin 1  
1254 ANSI Turkish  
1257 ANSI Baltic  
1258 ANSI Vietnam

## Examples of the OTF features of Latin Modern

"LMRoman10-Regular" -> 0369µ OThamburgefionst  
"LMRoman10-Regular/I" -> 0369µ OThamburgefionst  
"LMRoman10-Regular/B" -> **0369µ OThamburgefionst**  
"LMRoman10-Regular/BI" -> **0369µ OThamburgefionst**  
"LMRoman10-Regular:+frac" / '1/4 ABC abcfllffi' -> ¼ ABC abcfllffi  
"LMRoman10-Regular:+onum" / '0123456789 ABC abc' -> 0123456789 ABC abc  
"LMRoman10-Regular:+tnum" / '0123456789 ABC abc' -> 0123456789 ABC abc  
"LMRoman10-Regular:+kern" / 'WARSZAWA VAT' -> WARSZAWA VAT  
"LMRoman10-Regular:-kern" / 'WARSZAWA VAT' -> WARSZAWA VAT  
"LMRoman10-Regular:+zero" / '012345 ABC abc' -> 012345 ABC abc  
"LMRoman10-Regular:language=PLK" / 'fifka fijn' -> fifka fijn  
"LMRoman10-Regular:language=NLD" / 'fifka fijn' -> fifka fijn  
"LMRoman10-Regular:language=TRK" / 'fifka fijn' -> fifka fijn  
"LMRoman10-Regular" / '\char"015E \char"015F' -> § §  
"LMRoman10-Regular:language=ROM,+locl" / '\char"015E \char"015F' -> § §

## The text fonts of the Latin Modern family

(LMRomanDemi10-Regular) lmb10 -> **0369µ OThamburgefionst**  
(LMRomanDemi10-Oblique) lmbo10 -> ***0369µ OThamburgefionst***  
(LMRoman10-Bold) lmbx10 -> **0369µ OThamburgefionst**  
(LMRoman12-Bold) lmbx12 -> **0369µ OThamburgefionst**  
(LMRoman5-Bold) lmbx5 -> **0369µ OThamburgefionst**  
(LMRoman6-Bold) lmbx6 -> **0369µ OThamburgefionst**  
(LMRoman7-Bold) lmbx7 -> **0369µ OThamburgefionst**  
(LMRoman8-Bold) lmbx8 -> **0369µ OThamburgefionst**  
(LMRoman9-Bold) lmbx9 -> **0369µ OThamburgefionst**  
(LMRoman10-BoldItalic) lmbxi10 -> ***0369µ OThamburgefionst***  
(LMRomanSlant10-Bold) lmbxo10 -> ***0369µ OThamburgefionst***  
(LMRomanCaps10-Regular) lmcsc10 -> 0369µ OTHAMBURGEFIONST  
(LMRomanCaps10-Oblique) lmcsc10 -> *0369µ OTHAMBURGEFIONST*  
(LMRomanDunh10-Regular) lmdunh10 -> 0369µ OThamburgefionst  
(LMRomanDunh10-Oblique) lmduno10 -> *0369µ OThamburgefionst*  
(LMRoman10-Regular) lmr10 -> 0369µ OThamburgefionst  
(LMRoman12-Regular) lmr12 -> 0369µ OThamburgefionst  
(LMRoman17-Regular) lmr17 -> **0369µ OThamburgefionst**  
(LMRoman5-Regular) lmr5 -> 0369µ OThamburgefionst  
(LMRoman6-Regular) lmr6 -> 0369µ OThamburgefionst  
(LMRoman7-Regular) lmr7 -> 0369µ OThamburgefionst  
(LMRoman8-Regular) lmr8 -> 0369µ OThamburgefionst  
(LMRoman9-Regular) lmr9 -> 0369µ OThamburgefionst  
(LMRoman10-Italic) lmri10 -> *0369µ OThamburgefionst*  
(LMRoman12-Italic) lmri12 -> *0369µ OThamburgefionst*  
(LMRoman7-Italic) lmri7 -> *0369µ OThamburgefionst*  
(LMRoman8-Italic) lmri8 -> *0369µ OThamburgefionst*  
(LMRoman9-Italic) lmri9 -> *0369µ OThamburgefionst*  
(LMRomanSlant10-Regular) lmro10 -> *0369µ OThamburgefionst*  
(LMRomanSlant12-Regular) lmro12 -> *0369µ OThamburgefionst*  
(LMRomanSlant17-Regular) lmro17 -> ***0369µ OThamburgefionst***  
(LMRomanSlant8-Regular) lmro8 -> *0369µ OThamburgefionst*  
(LMRomanSlant9-Regular) lmro9 -> *0369µ OThamburgefionst*  
(LMSans10-Regular) lmss10 -> 0369µ OThamburgefionst  
(LMSans12-Regular) lmss12 -> 0369µ OThamburgefionst  
(LMSans17-Regular) lmss17 -> **0369µ OThamburgefionst**  
(LMSans8-Regular) lmss8 -> 0369µ OThamburgefionst  
(LMSans9-Regular) lmss9 -> 0369µ OThamburgefionst  
(LMSans10-BoldOblique) lmssbo10 -> ***0369µ OThamburgefionst***

(LMSans10-Bold) lmsb10 -> **0369μ OThamburgefionst**  
 (LMSansDemiCond10-Regular) lmsdc10 -> **0369μ OThamburgefionst**  
 (LMSansDemiCond10-Oblique) lmsdo10 -> ***0369μ OThamburgefionst***  
 (LMSans10-Oblique) lmsso10 -> *0369μ OThamburgefionst*  
 (LMSans12-Oblique) lmsso12 -> *0369μ OThamburgefionst*  
 (LMSans17-Oblique) lmsso17 -> ***0369μ OThamburgefionst***  
 (LMSans8-Oblique) lmsso8 -> *0369μ OThamburgefionst*  
 (LMSans9-Oblique) lmsso9 -> *0369μ OThamburgefionst*  
 (LMSansQuot8-Regular) lmsq8 -> 0369μ OThamburgefionst  
 (LMSansQuot8-BoldOblique) lmsqbo8 -> ***0369μ OThamburgefionst***  
 (LMSansQuot8-Bold) lmsqbx8 -> **0369μ OThamburgefionst**  
 (LMSansQuot8-Oblique) lmsqo8 -> *0369μ OThamburgefionst*  
 (LMMonoCaps10-Regular) lmtcsc10 -> 0369μ OTHAMBURGEFIONST  
 (LMMonoCaps10-Oblique) lmtcso10 -> *0369μ OTHAMBURGEFIONST*  
 (LMMonoLt10-Regular) lmtl10 -> 0369μ OThamburgefionst  
 (LMMonoLt10-Oblique) lmtlo10 -> *0369μ OThamburgefionst*  
 (LMMonoLtCond10-Regular) lmtlc10 -> 0369μ OThamburgefionst  
 (LMMonoLtCond10-Oblique) lmtlco10 -> *0369μ OThamburgefionst*  
 (LMMonoLt10-Bold) lmtk10 -> **0369μ OThamburgefionst**  
 (LMMonoLt10-BoldOblique) lmtko10 -> ***0369μ OThamburgefionst***  
 (LMMono10-Regular) lmtt10 -> 0369μ OThamburgefionst  
 (LMMono12-Regular) lmtt12 -> 0369μ OThamburgefionst  
 (LMMono8-Regular) lmtt8 -> 0369μ OThamburgefionst  
 (LMMono9-Regular) lmtt9 -> 0369μ OThamburgefionst  
 (LMMono10-Italic) lmtti10 -> *0369μ OThamburgefionst*  
 (LMMonoSlant10-Regular) lmtto10 -> *0369μ OThamburgefionst*  
 (LMRomanUnsl10-Regular) lmu10 -> 0369μ OThamburgefionst  
 (LMMonoProp10-Regular) lmvtt10 -> 0369μ OThamburgefionst  
 (LMMonoProp10-Oblique) lmvtto10 -> *0369μ OThamburgefionst*  
 (LMMonoPropLt10-Regular) lmvtl10 -> 0369μ OThamburgefionst  
 (LMMonoPropLt10-Oblique) lmvtlo10 -> *0369μ OThamburgefionst*  
 (LMMonoPropLt10-Bold) lmvtk10 -> **0369μ OThamburgefionst**  
 (LMMonoPropLt10-BoldOblique) lmvtko10 -> ***0369μ OThamburgefionst***



## Latin Modern: CS (CS TUG) encoding table

0 x00 <b>¶</b>	35 x23 <b>##</b>	70 x46 <b>F</b>	105 x69 <b>il</b>	142 x8E <b>kl</b>	187 xBB <b>tl</b>	222 xDE <b>T</b>
1 x01 <b>Δ</b>	36 x24 <b>\$</b>	71 x47 <b>G</b>	106 x6A <b>j</b>	143 x8F <b>xl</b>	188 xBC <b>ž</b>	224 xE0 <b>ř</b>
2 x02 <b>Θ</b>	37 x25 <b>%</b>	72 x48 <b>H</b>	107 x6B <b>k</b>	149 x95 <b>f</b>	189 xBD <b>ŧ</b>	225 xE1 <b>ś</b>
3 x03 <b>Λ</b>	38 x26 <b>&amp;</b>	73 x49 <b>I</b>	108 x6C <b>l</b>	151 x97 <b>ff</b>	190 xBE <b>ž</b>	226 xE2 <b>š</b>
4 x04 <b>Ξ</b>	39 x27 <b>!</b>	74 x4A <b>J</b>	109 x6D <b>lm</b>	152 x98 <b>Ä</b>	191 xBF <b>ž</b>	227 xE3 <b>š</b>
5 x05 <b>Π</b>	40 x28 <b>(</b>	75 x4B <b>K</b>	110 x6E <b>n</b>	154 x9A <b>l</b>	192 xC0 <b>Ř</b>	228 xE4 <b>š</b>
6 x06 <b>Σ</b>	41 x29 <b>)</b>	76 x4C <b>L</b>	111 x6F <b>o</b>	156 x9C <b>ll</b>	193 xC1 <b>Á</b>	229 xE5 <b>š</b>
7 x07 <b>Υ</b>	42 x2A <b>*</b>	77 x4D <b>M</b>	112 x70 <b>p</b>	157 x9D <b>l</b>	194 xC2 <b>Ā</b>	230 xE6 <b>č</b>
8 x08 <b>Φ</b>	43 x2B <b>++</b>	78 x4E <b>N</b>	113 x71 <b>q</b>	158 x9E <b>ll</b>	195 xC3 <b>Ā</b>	231 xE7 <b>č</b>
9 x09 <b>Ψ</b>	44 x2C <b>l</b>	79 x4F <b>O</b>	114 x72 <b>r</b>	159 x9F <b>ll</b>	196 xC4 <b>Ā</b>	232 xE8 <b>č</b>
10 x0A <b>Ω</b>	45 x2D <b>h</b>	80 x50 <b>P</b>	115 x73 <b>s</b>	161 xA1 <b>A</b>	197 xC5 <b>Ā</b>	233 xE9 <b>č</b>
11 x0B <b>ff</b>	46 x2E <b>l</b>	81 x51 <b>Q</b>	116 x74 <b>t</b>	163 xA3 <b>E</b>	198 xC6 <b>Č</b>	234 xEA <b>č</b>
12 x0C <b>fi</b>	47 x2F <b>/</b>	82 x52 <b>R</b>	117 x75 <b>u</b>	164 xA4 <b>lx</b>	199 xC7 <b>Č</b>	235 xEB <b>č</b>
13 x0D <b>fi</b>	48 x30 <b>O</b>	83 x53 <b>S</b>	118 x76 <b>v</b>	165 xA5 <b>E</b>	200 xC8 <b>Č</b>	236 xEC <b>č</b>
14 x0E <b>ffi</b>	49 x31 <b>I</b>	84 x54 <b>T</b>	119 x77 <b>w</b>	166 xA6 <b>S</b>	201 xC9 <b>É</b>	237 xED <b>š</b>
15 x0F <b>ffi</b>	50 x32 <b>2</b>	85 x55 <b>U</b>	120 x78 <b>x</b>	167 xA7 <b>S</b>	202 xCA <b>E</b>	238 xEE <b>š</b>
16 x10 <b>il</b>	51 x33 <b>3</b>	86 x56 <b>V</b>	121 x79 <b>y</b>	169 xA9 <b>S</b>	203 xCB <b>Ě</b>	239 xEF <b>d</b>
17 x11 <b>j</b>	52 x34 <b>4</b>	87 x57 <b>W</b>	122 x7A <b>z</b>	170 xAA <b>S</b>	204 xCC <b>Ě</b>	240 xF0 <b>ð</b>
18 x12 <b>l</b>	53 x35 <b>5</b>	88 x58 <b>X</b>	123 x7B <b>+</b>	171 xAB <b>T</b>	205 xCD <b>Ĭ</b>	241 xF1 <b>ú</b>
19 x13 <b>l</b>	54 x36 <b>6</b>	89 x59 <b>Y</b>	124 x7C <b>l</b>	172 xAC <b>Z</b>	206 xCE <b>Ĭ</b>	242 xF2 <b>ú</b>
20 x14 <b>l</b>	55 x37 <b>7</b>	90 x5A <b>Z</b>	125 x7D <b>l</b>	174 xAE <b>Ž</b>	207 xCF <b>Ĭ</b>	243 xF3 <b>ú</b>
21 x15 <b>l</b>	56 x38 <b>8</b>	91 x5B <b>[</b>	126 x7E <b>l</b>	175 xAF <b>Ž</b>	208 xD0 <b>Đ</b>	244 xF4 <b>ú</b>
22 x16 <b>l</b>	57 x39 <b>9</b>	92 x5C <b>\</b>	127 x7F <b>l</b>	176 xB0 <b>Ŕ</b>	209 xD1 <b>Ň</b>	245 xF5 <b>ú</b>
23 x17 <b>l</b>	58 x3A <b>!</b>	93 x5D <b>]</b>	128 x80 <b>l</b>	177 xB1 <b>ŕ</b>	210 xD2 <b>Ň</b>	246 xF6 <b>ü</b>
24 x18 <b>l</b>	59 x3B <b>!</b>	94 x5E <b>^</b>	129 x81 <b>l</b>	179 xB3 <b>l</b>	211 xD3 <b>Ó</b>	247 xF7 <b>÷</b>
25 x19 <b>ß</b>	60 x3C <b>!</b>	95 x5F <b>l</b>	130 x82 <b>l</b>	181 xB5 <b>ll</b>	212 xD4 <b>Ô</b>	248 xF8 <b>ř</b>
26 x1A <b>æ</b>	61 x3D <b>l</b>	96 x60 <b>l</b>	131 x83 <b>l</b>	182 xB6 <b>š</b>	213 xD5 <b>Ŏ</b>	249 xF9 <b>ř</b>
27 x1B <b>œ</b>	62 x3E <b>l</b>	97 x61 <b>a</b>	132 x84 <b>£</b>	184 xB8 <b>à</b>	214 xD6 <b>Ö</b>	250 xFA <b>ú</b>
28 x1C <b>ø</b>	63 x3F <b>!</b>	98 x62 <b>b</b>	133 x85 <b>ll</b>	185 xB9 <b>š</b>	215 xD7 <b>×</b>	251 xFB <b>ú</b>
29 x1D <b>Æ</b>	64 x40 <b>@</b>	99 x63 <b>c</b>	134 x86 <b>€</b>	186 xBA <b>š</b>	216 xD8 <b>Ř</b>	252 xFC <b>ü</b>
30 x1E <b>Œ</b>	65 x41 <b>A</b>	100 x64 <b>d</b>	136 x88 <b>™</b>	187 xBB <b>tl</b>	217 xD9 <b>Ů</b>	253 xFD <b>ý</b>
31 x1F <b>Ø</b>	66 x42 <b>B</b>	101 x65 <b>e</b>	137 x89 <b>©</b>	188 xBC <b>ž</b>	218 xDA <b>Ú</b>	254 xFE <b>„</b>
32 x20 <b>ll</b>	67 x43 <b>C</b>	102 x66 <b>f</b>	138 x8A <b>®</b>	189 xBD <b>ŧ</b>	219 xDB <b>Ů</b>	255 xFF <b>“</b>
33 x21 <b>ll</b>	68 x44 <b>D</b>	103 x67 <b>g</b>	141 x8D <b>%</b>	190 xBE <b>ž</b>	220 xDC <b>Ü</b>	
34 x22 <b>ll</b>	69 x45 <b>E</b>	104 x68 <b>h</b>		191 xBF <b>ž</b>	221 xDD <b>Ý</b>	

**Latin Modern: EC (Cork aka T1) encoding table**

0 x00 <b>ı</b>	37 x25 <b>‰</b>	74 x4A <b>ı</b>	111 x6F <b>ı</b>	148 x94 <b>İ</b>	185 xB9 <b>ı</b>	222 xDE <b>ı</b>
1 x01 <b>ı</b>	38 x26 <b>ı</b>	75 x4B <b>ı</b>	112 x70 <b>ı</b>	149 x95 <b>ı</b>	186 xBA <b>ı</b>	223 xDF <b>ı</b>
2 x02 <b>ı</b>	39 x27 <b>ı</b>	76 x4C <b>ı</b>	113 x71 <b>ı</b>	150 x96 <b>ı</b>	187 xBB <b>ı</b>	224 xE0 <b>ı</b>
3 x03 <b>ı</b>	40 x28 <b>ı</b>	77 x4D <b>ı</b>	114 x72 <b>ı</b>	151 x97 <b>ı</b>	188 xBC <b>ı</b>	225 xE1 <b>ı</b>
4 x04 <b>ı</b>	41 x29 <b>ı</b>	78 x4E <b>ı</b>	115 x73 <b>ı</b>	152 x98 <b>ı</b>	189 xBD <b>ı</b>	226 xE2 <b>ı</b>
5 x05 <b>ı</b>	42 x2A <b>ı</b>	79 x4F <b>ı</b>	116 x74 <b>ı</b>	153 x99 <b>ı</b>	190 xBE <b>ı</b>	227 xE3 <b>ı</b>
6 x06 <b>ı</b>	43 x2B <b>ı</b>	80 x50 <b>ı</b>	117 x75 <b>ı</b>	154 x9A <b>ı</b>	191 xBF <b>ı</b>	228 xE4 <b>ı</b>
7 x07 <b>ı</b>	44 x2C <b>ı</b>	81 x51 <b>ı</b>	118 x76 <b>ı</b>	155 x9B <b>ı</b>	192 xC0 <b>ı</b>	229 xE5 <b>ı</b>
8 x08 <b>ı</b>	45 x2D <b>ı</b>	82 x52 <b>ı</b>	119 x77 <b>ı</b>	156 x9C <b>ı</b>	193 xC1 <b>ı</b>	230 xE6 <b>ı</b>
9 x09 <b>ı</b>	46 x2E <b>ı</b>	83 x53 <b>ı</b>	120 x78 <b>ı</b>	157 x9D <b>ı</b>	194 xC2 <b>ı</b>	231 xE7 <b>ı</b>
10 x0A <b>ı</b>	47 x2F <b>ı</b>	84 x54 <b>ı</b>	121 x79 <b>ı</b>	158 x9E <b>ı</b>	195 xC3 <b>ı</b>	232 xE8 <b>ı</b>
11 x0B <b>ı</b>	48 x30 <b>ı</b>	85 x55 <b>ı</b>	122 x7A <b>ı</b>	159 x9F <b>ı</b>	196 xC4 <b>ı</b>	233 xE9 <b>ı</b>
12 x0C <b>ı</b>	49 x31 <b>ı</b>	86 x56 <b>ı</b>	123 x7B <b>ı</b>	160 xA0 <b>ı</b>	197 xC5 <b>ı</b>	234 xEA <b>ı</b>
13 x0D <b>ı</b>	50 x32 <b>ı</b>	87 x57 <b>ı</b>	124 x7C <b>ı</b>	161 xA1 <b>ı</b>	198 xC6 <b>ı</b>	235 xEB <b>ı</b>
14 x0E <b>ı</b>	51 x33 <b>ı</b>	88 x58 <b>ı</b>	125 x7D <b>ı</b>	162 xA2 <b>ı</b>	199 xC7 <b>ı</b>	236 xEC <b>ı</b>
15 x0F <b>ı</b>	52 x34 <b>ı</b>	89 x59 <b>ı</b>	126 x7E <b>ı</b>	163 xA3 <b>ı</b>	200 xC8 <b>ı</b>	237 xED <b>ı</b>
16 x10 <b>ı</b>	53 x35 <b>ı</b>	90 x5A <b>ı</b>	127 x7F <b>ı</b>	164 xA4 <b>ı</b>	201 xC9 <b>ı</b>	238 xEE <b>ı</b>
17 x11 <b>ı</b>	54 x36 <b>ı</b>	91 x5B <b>ı</b>	128 x80 <b>ı</b>	165 xA5 <b>ı</b>	202 xCA <b>ı</b>	239 xEF <b>ı</b>
18 x12 <b>ı</b>	55 x37 <b>ı</b>	92 x5C <b>ı</b>	129 x81 <b>ı</b>	166 xA6 <b>ı</b>	203 xCB <b>ı</b>	240 xF0 <b>ı</b>
19 x13 <b>ı</b>	56 x38 <b>ı</b>	93 x5D <b>ı</b>	130 x82 <b>ı</b>	167 xA7 <b>ı</b>	204 xCC <b>ı</b>	241 xF1 <b>ı</b>
20 x14 <b>ı</b>	57 x39 <b>ı</b>	94 x5E <b>ı</b>	131 x83 <b>ı</b>	168 xA8 <b>ı</b>	205 xCD <b>ı</b>	242 xF2 <b>ı</b>
21 x15 <b>ı</b>	58 x3A <b>ı</b>	95 x5F <b>ı</b>	132 x84 <b>ı</b>	169 xA9 <b>ı</b>	206 xCE <b>ı</b>	243 xF3 <b>ı</b>
22 x16 <b>ı</b>	59 x3B <b>ı</b>	96 x60 <b>ı</b>	133 x85 <b>ı</b>	170 xAA <b>ı</b>	207 xCF <b>ı</b>	244 xF4 <b>ı</b>
23 x17 <b>ı</b>	60 x3C <b>ı</b>	97 x61 <b>ı</b>	134 x86 <b>ı</b>	171 xAB <b>ı</b>	208 xD0 <b>ı</b>	245 xF5 <b>ı</b>
24 x18 <b>ı</b>	61 x3D <b>ı</b>	98 x62 <b>ı</b>	135 x87 <b>ı</b>	172 xAC <b>ı</b>	209 xD1 <b>ı</b>	246 xF6 <b>ı</b>
25 x19 <b>ı</b>	62 x3E <b>ı</b>	99 x63 <b>ı</b>	136 x88 <b>ı</b>	173 xAD <b>ı</b>	210 xD2 <b>ı</b>	247 xF7 <b>ı</b>
26 x1A <b>ı</b>	63 x3F <b>ı</b>	100 x64 <b>ı</b>	137 x89 <b>ı</b>	174 xAE <b>ı</b>	211 xD3 <b>ı</b>	248 xF8 <b>ı</b>
27 x1B <b>ı</b>	64 x40 <b>ı</b>	101 x65 <b>ı</b>	138 x8A <b>ı</b>	175 xAF <b>ı</b>	212 xD4 <b>ı</b>	249 xF9 <b>ı</b>
28 x1C <b>ı</b>	65 x41 <b>ı</b>	102 x66 <b>ı</b>	139 x8B <b>ı</b>	176 xB0 <b>ı</b>	213 xD5 <b>ı</b>	250 xFA <b>ı</b>
29 x1D <b>ı</b>	66 x42 <b>ı</b>	103 x67 <b>ı</b>	140 x8C <b>ı</b>	177 xB1 <b>ı</b>	214 xD6 <b>ı</b>	251 xFB <b>ı</b>
30 x1E <b>ı</b>	67 x43 <b>ı</b>	104 x68 <b>ı</b>	141 x8D <b>ı</b>	178 xB2 <b>ı</b>	215 xD7 <b>ı</b>	252 xFC <b>ı</b>
31 x1F <b>ı</b>	68 x44 <b>ı</b>	105 x69 <b>ı</b>	142 x8E <b>ı</b>	179 xB3 <b>ı</b>	216 xD8 <b>ı</b>	253 xFD <b>ı</b>
32 x20 <b>ı</b>	69 x45 <b>ı</b>	106 x6A <b>ı</b>	143 x8F <b>ı</b>	180 xB4 <b>ı</b>	217 xD9 <b>ı</b>	254 xFE <b>ı</b>
33 x21 <b>ı</b>	70 x46 <b>ı</b>	107 x6B <b>ı</b>	144 x90 <b>ı</b>	181 xB5 <b>ı</b>	218 xDA <b>ı</b>	255 xFF <b>ı</b>
34 x22 <b>ı</b>	71 x47 <b>ı</b>	108 x6C <b>ı</b>	145 x91 <b>ı</b>	182 xB6 <b>ı</b>	219 xDB <b>ı</b>	
35 x23 <b>ı</b>	72 x48 <b>ı</b>	109 x6D <b>ı</b>	146 x92 <b>ı</b>	183 xB7 <b>ı</b>	220 xDC <b>ı</b>	
36 x24 <b>ı</b>	73 x49 <b>ı</b>	110 x6E <b>ı</b>	147 x93 <b>ı</b>	184 xB8 <b>ı</b>	221 xDD <b>ı</b>	

0 x00	34 x22	68 x44	102 x66	149 x95	192 xC0	226 xE2
1 x01	35 x23	69 x45	103 x67	153 x99	193 xC1	227 xE3
2 x02	36 x24	70 x46	104 x68	156 x9C	194 xC2	228 xE4
3 x03	37 x25	71 x47	105 x69	160 xA0	195 xC3	229 xE5
4 x04	38 x26	72 x48	106 x6A	162 xA2	196 xC4	230 xE6
5 x05	39 x27	73 x49	107 x6B	163 xA3	197 xC5	231 xE7
6 x06   °	40 x28	74 x4A	108 x6C	164 xA4	198 xC6	232 xE8
7 x07	41 x29	75 x4B	109 x6D	166 xA6	199 xC7	233 xE9
8 x08	42 x2A	76 x4C	110 x6E	167 xA7	200 xC8	234 xEA
9 x09	43 x2B	77 x4D	111 x6F	168 xA8	201 xC9	235 xEB
10 x0A	44 x2C	78 x4E	112 x70	169 xA9	202 xCA	236 xEC
11 x0B	45 x2D	79 x4F	113 x71	170 xAA	203 xCB	237 xED
12 x0C	46 x2E	80 x50	114 x72	172 xAC	204 xCC	238 xEE
13 x0D	47 x2F	81 x51	115 x73	173 xAD	205 xCD	239 xEF
14 x0E	48 x30	82 x52	116 x74	174 xAE	206 xCE	240 xF0
15 x0F	49 x31	83 x53	117 x75	175 xAF	207 xCF	241 xF1
16 x10   °	50 x32	84 x54	118 x76	176 xB0	208 xD0	242 xF2
17 x11   °	51 x33	85 x55	119 x77	177 xB1	209 xD1	243 xF3
18 x12  ,	52 x34	86 x56	120 x78	178 xB2	210 xD2	244 xF4
19 x13	53 x35	87 x57	121 x79	179 xB3	211 xD3	245 xF5
20 x14	54 x36	88 x58	122 x7A	181 xB5	212 xD4	246 xF6
21 x15	55 x37	89 x59	123 x7B	182 xB6	213 xD5	247 xF7
22 x16	56 x38	90 x5A	124 x7C	183 xB7	214 xD6	248 xF8
23 x17	57 x39	91 x5B	125 x7D	184 xB8	215 xD7	249 xF9
24 x18	58 x3A	92 x5C	126 x7E	185 xB9	216 xD8	250 xFA
25 x19	59 x3B	93 x5D	128 x80	186 xBA	217 xD9	251 xFB
26 x1A	60 x3C	94 x5E	131 x83	188 xBC	218 xDA	252 xFC
27 x1B	61 x3D	95 x5F	133 x85	189 xBD	219 xDB	253 xFD
28 x1C	62 x3E	96 x60	134 x86	190 xBE	220 xDC	254 xFE
29 x1D	63 x3F	97 x61	135 x87	191 xBF	221 xDD	
30 x1E	64 x40	98 x62	137 x89		222 xDE	
31 x1F	65 x41	99 x63	140 x8C		223 xDF	
32 x20	66 x42	100 x64			224 xEO	
33 x21	67 x43	101 x65			225 xE1	

**Latin Modern: RM (“regular math”; used in OT1 and OT4) encoding table**

0 x00 <b>Γ</b>	37 x25 <b>‰</b>	74 x4A <b>J</b>	111 x6F <b>o</b>	148 x94 <b>Ŧ</b>	185 xB9 <b>ž</b>	222 xDE <b>Ɔ</b>
1 x01 <b>Δ</b>	38 x26 <b>ℓ</b>	75 x4B <b>K</b>	112 x70 <b>p</b>	149 x95 <b>Ŧ</b>	186 xBA <b>ž</b>	223 xDF <b>SS</b>
2 x02 <b>Θ</b>	39 x27 <b>Ŧ</b>	76 x4C <b>L</b>	113 x71 <b>q</b>	150 x96 <b>Ŧ</b>	187 xBB <b>ž</b>	224 xE0 <b>à</b>
3 x03 <b>Λ</b>	40 x28 <b>Ŧ</b>	77 x4D <b>M</b>	114 x72 <b>r</b>	151 x97 <b>Ŧ</b>	188 xBC <b>ij</b>	225 xE1 <b>á</b>
4 x04 <b>Ξ</b>	41 x29 <b>Ŧ</b>	78 x4E <b>N</b>	115 x73 <b>s</b>	152 x98 <b>Ŧ</b>	189 xBD <b>Ŧ</b>	226 xE2 <b>â</b>
5 x05 <b>Π</b>	42 x2A <b>Ŧ</b>	79 x4F <b>O</b>	116 x74 <b>t</b>	153 x99 <b>Ŧ</b>	190 xBE <b>Ŧ</b>	227 xE3 <b>ã</b>
6 x06 <b>Σ</b>	43 x2B <b>Ŧ</b>	80 x50 <b>P</b>	117 x75 <b>u</b>	154 x9A <b>Ŧ</b>	191 xBF <b>Ŧ</b>	228 xE4 <b>ä</b>
7 x07 <b>Υ</b>	44 x2C <b>Ŧ</b>	81 x51 <b>Q</b>	118 x76 <b>v</b>	155 x9B <b>Ŧ</b>	192 xC0 <b>À</b>	229 xE5 <b>å</b>
8 x08 <b>Φ</b>	45 x2D <b>Ŧ</b>	82 x52 <b>R</b>	119 x77 <b>w</b>	156 x9C <b>LJ</b>	193 xC1 <b>Á</b>	230 xE6 <b>Å</b>
9 x09 <b>Ψ</b>	46 x2E <b>Ŧ</b>	83 x53 <b>S</b>	120 x78 <b>x</b>	157 x9D <b>Ŧ</b>	194 xC2 <b>Â</b>	231 xE7 <b>Ç</b>
10 x0A <b>Ω</b>	47 x2F <b>Ŧ</b>	84 x54 <b>T</b>	121 x79 <b>y</b>	158 x9E <b>d</b>	195 xC3 <b>Ã</b>	232 xE8 <b>è</b>
11 x0B <b>ff</b>	48 x30 <b>O</b>	85 x55 <b>U</b>	122 x7A <b>z</b>	159 x9F <b>Ŧ</b>	196 xC4 <b>Ä</b>	233 xE9 <b>é</b>
12 x0C <b>fi</b>	49 x31 <b>I</b>	86 x56 <b>V</b>	123 x7B <b>Ŧ</b>	160 xA0 <b>ä</b>	197 xC5 <b>Å</b>	234 xEA <b>ê</b>
13 x0D <b>fi</b>	50 x32 <b>Ŧ</b>	87 x57 <b>W</b>	124 x7C <b>Ŧ</b>	161 xA1 <b>ä</b>	198 xC6 <b>«</b>	235 xEB <b>ë</b>
14 x0E <b>ffi</b>	51 x33 <b>Ŧ</b>	88 x58 <b>X</b>	125 x7D <b>Ŧ</b>	162 xA2 <b>é</b>	199 xC7 <b>Ç</b>	236 xEC <b>î</b>
15 x0F <b>ffi</b>	52 x34 <b>Ŧ</b>	89 x59 <b>Y</b>	126 x7E <b>Ŧ</b>	163 xA3 <b>é</b>	200 xC8 <b>È</b>	237 xED <b>ï</b>
16 x10 <b>u</b>	53 x35 <b>Ŧ</b>	90 x5A <b>Z</b>	127 x7F <b>Ŧ</b>	164 xA4 <b>d</b>	201 xC9 <b>É</b>	238 xEE <b>Ŧ</b>
17 x11 <b>j</b>	54 x36 <b>Ŧ</b>	91 x5B <b>Ŧ</b>	128 x80 <b>Ä</b>	165 xA5 <b>é</b>	202 xCA <b>Ê</b>	239 xEF <b>Ŧ</b>
18 x12 <b>Ŧ</b>	55 x37 <b>Ŧ</b>	92 x5C <b>Ŧ</b>	129 x81 <b>Ä</b>	166 xA6 <b>é</b>	203 xCB <b>Ë</b>	240 xF0 <b>Ŧ</b>
19 x13 <b>Ŧ</b>	56 x38 <b>Ŧ</b>	93 x5D <b>Ŧ</b>	130 x82 <b>Č</b>	167 xA7 <b>g</b>	204 xCC <b>Ï</b>	241 xF1 <b>Ŧ</b>
20 x14 <b>Ŧ</b>	57 x39 <b>Ŧ</b>	94 x5E <b>Ŧ</b>	131 x83 <b>Č</b>	168 xA8 <b>Ŧ</b>	205 xCD <b>Ŧ</b>	242 xF2 <b>Ŧ</b>
21 x15 <b>Ŧ</b>	58 x3A <b>Ŧ</b>	95 x5F <b>Ŧ</b>	132 x84 <b>Đ</b>	169 xA9 <b>Ŧ</b>	206 xCE <b>Ŧ</b>	243 xF3 <b>Ŧ</b>
22 x16 <b>Ŧ</b>	59 x3B <b>Ŧ</b>	96 x60 <b>Ŧ</b>	133 x85 <b>Ě</b>	170 xAA <b>Ŧ</b>	207 xCF <b>Ŧ</b>	244 xF4 <b>Ŧ</b>
23 x17 <b>Ŧ</b>	60 x3C <b>Ŧ</b>	97 x61 <b>ä</b>	134 x86 <b>Ě</b>	171 xAB <b>Ŧ</b>	208 xD0 <b>Đ</b>	245 xF5 <b>Ŧ</b>
24 x18 <b>Ŧ</b>	61 x3D <b>Ŧ</b>	98 x62 <b>b</b>	135 x87 <b>Ě</b>	172 xAC <b>Ŧ</b>	209 xD1 <b>Ŧ</b>	246 xF6 <b>Ŧ</b>
25 x19 <b>Ŧ</b>	62 x3E <b>Ŧ</b>	99 x63 <b>c</b>	136 x88 <b>Ě</b>	173 xAD <b>Ŧ</b>	210 xD2 <b>Ŧ</b>	247 xF7 <b>Ŧ</b>
26 x1A <b>æ</b>	63 x3F <b>Ŧ</b>	100 x64 <b>d</b>	137 x89 <b>Ŧ</b>	174 xAE <b>Ŧ</b>	211 xD3 <b>Ŧ</b>	248 xF8 <b>Ŧ</b>
27 x1B <b>œ</b>	64 x40 <b>@</b>	101 x65 <b>e</b>	138 x8A <b>Ŧ</b>	175 xAF <b>Ŧ</b>	212 xD4 <b>Ŧ</b>	249 xF9 <b>Ŧ</b>
28 x1C <b>ø</b>	65 x41 <b>A</b>	102 x66 <b>f</b>	139 x8B <b>Ŧ</b>	176 xB0 <b>Ŧ</b>	213 xD5 <b>Ŧ</b>	250 xFA <b>Ŧ</b>
29 x1D <b>Ŧ</b>	66 x42 <b>B</b>	103 x67 <b>g</b>	140 x8C <b>Ŧ</b>	177 xB1 <b>Ŧ</b>	214 xD6 <b>Ŧ</b>	251 xFB <b>Ŧ</b>
30 x1E <b>Ŧ</b>	67 x43 <b>C</b>	104 x68 <b>h</b>	141 x8D <b>Ŧ</b>	178 xB2 <b>Ŧ</b>	215 xD7 <b>Ŧ</b>	252 xFC <b>Ŧ</b>
31 x1F <b>Ŧ</b>	68 x44 <b>D</b>	105 x69 <b>i</b>	142 x8E <b>Ŧ</b>	179 xB3 <b>Ŧ</b>	216 xD8 <b>‰</b>	253 xFD <b>Ŧ</b>
32 x20 <b>H</b>	69 x45 <b>E</b>	106 x6A <b>j</b>	143 x8F <b>Ŧ</b>	180 xB4 <b>Ŧ</b>	217 xD9 <b>Ŧ</b>	254 xFE <b>Ŧ</b>
33 x21 <b>Ŧ</b>	70 x46 <b>F</b>	107 x6B <b>k</b>	144 x90 <b>Ŧ</b>	181 xB5 <b>Ŧ</b>	218 xDA <b>Ŧ</b>	255 xFF <b>Ŧ</b>
34 x22 <b>Ŧ</b>	71 x47 <b>G</b>	108 x6C <b>Ŧ</b>	145 x91 <b>Ŧ</b>	182 xB6 <b>Ŧ</b>	219 xDB <b>Ŧ</b>	
35 x23 <b>Ŧ</b>	72 x48 <b>H</b>	109 x6D <b>Ŧ</b>	146 x92 <b>Ŧ</b>	183 xB7 <b>Ŧ</b>	220 xDC <b>Ŧ</b>	
36 x24 <b>Ŧ</b>	73 x49 <b>I</b>	110 x6E <b>Ŧ</b>	147 x93 <b>Ŧ</b>	184 xB8 <b>Ŧ</b>	221 xDD <b>Ŧ</b>	

## Latin Modern: QX (GUST) encoding table

	38 x26 &z	74 x4A J	110 x6E h	149 x95 T	185 xB9 ž	221 xDD Ÿ
1 x01 Δ	39 x27 P	75 x4B K	111 x6F o	150 x96 c	186 xBA ž	222 xDE P
5 x05 Π	40 x28 (	76 x4C L	112 x70 p	151 x97 U	187 xBB ž	223 xDF
6 x06 Σ	41 x29 )	77 x4D M	113 x71 q	152 x98 Ÿ	188 xBC ij	224 xE0 à
7 x07 p	42 x2A *	78 x4E N	114 x72 r	153 x99 Ž	189 xBD  ·	225 xE1 á
8 x08 ...	43 x2B +-	79 x4F O	115 x73 s	154 x9A Ž	190 xBE "l	226 xE2 â
9 x09 ff	44 x2C ,	80 x50 P	116 x74 t	155 x9B Ž	191 xBF "l	227 xE3 ã
10 x0A Ω	45 x2D H	81 x51 Q	117 x75 u	156 x9C LJ	192 xC0 À	228 xE4 ä
11 x0B ff	46 x2E .	82 x52 R	118 x76 v	157 x9D {	193 xC1 Á	229 xE5 å
12 x0C fi	47 x2F /	83 x53 S	119 x77 w	158 x9E }	194 xC2 Â	230 xE6 _
13 x0D fi	48 x30 O	84 x54 T	120 x78 x	159 x9F S	195 xC3 Ã	231 xE7 ç
14 x0E ffi	49 x31 I	85 x55 U	121 x79 y	161 xA1 a	196 xC4 Ä	232 xE8 è
15 x0F ffi	50 x32 2	86 x56 V	122 x7A z	162 xA2 é	197 xC5 Å	233 xE9 é
16 x10 u	51 x33 3	87 x57 W	123 x7B +-	163 xA3 ®	198 xC6 \	234 xEA è
17 x11 j	52 x34 4	88 x58 X	124 x7C —	164 xA4 ©	199 xC7 Ç	235 xEB ë
18 x12 ˆ	53 x35 5	89 x59 Y	125 x7D ˆ	165 xA5 +-	200 xC8 È	236 xEC ì
19 x13 ˆ	54 x36 6	90 x5A Z	126 x7E ˆ	166 xA6 e	201 xC9 É	237 xED î
20 x14 ˆ	55 x37 7	91 x5B [	127 x7F ˆ	167 xA7 ù	202 xCA Ê	238 xEE ï
21 x15 ˆ	56 x38 8	92 x5C “	128 x80 €	168 xA8 —	203 xCB Ë	239 xEF ï
22 x16 □	57 x39 9	93 x5D ]	129 x81 A	169 xA9  ×	204 xCC Ì	240 xF0 ð
23 x17 °	58 x3A :	94 x5E ^	130 x82 C	170 xAA ð	205 xCD Í	241 xF1 ñ
24 x18 ,	59 x3B ;	95 x5F ¯	131 x83 >	171 xAB h	206 xCE Î	242 xF2 ò
25 x19 ß	60 x3C i	96 x60 ¨	134 x86 E	172 xAC ±	207 xCF Ï	243 xF3 ó
26 x1A æ	61 x3D =	97 x61 a	135 x87 I	173 xAD ∞	208 xD0 Ð	244 xF4 ô
27 x1B œ	62 x3E z	98 x62 b	136 x88 <	174 xAE «	209 xD1 Ñ	245 xF5 ö
28 x1C ø	63 x3F ?	99 x63 c	138 x8A L	175 xAF »	210 xD2 Ò	246 xF6 ÷
29 x1D Æ	64 x40 @	100 x64 d	139 x8B N	176 xB0 ¶	211 xD3 Ó	247 xF7 <
30 x1E Œ	65 x41 A	101 x65 e	140 x8C ˆ	177 xB1 s	212 xD4 Ô	248 xF8 Ø
31 x1F Ø	66 x42 B	102 x66 f	141 x8D ˆ	178 xB2 š	213 xD5 Õ	249 xF9 ù
32 x20 I	67 x43 C	103 x67 g	143 x8F H	179 xB3 š	214 xD6 Ö	250 xFA ú
33 x21 II	68 x44 D	104 x68 h	144 x90 H	180 xB4  •	215 xD7 ˆ	251 xFB û
34 x22 P	69 x45 E	105 x69 i	145 x91 Š	181 xB5 t	216 xD8 %o	252 xFC ü
35 x23 #	70 x46 F	106 x6A j	146 x92 Š	182 xB6 —	217 xD9 Ù	253 xFD ý
36 x24 \$	71 x47 G	107 x6B k	147 x93 Š	183 xB7 u	218 xDA Ú	254 xFE p
37 x25 %	72 x48 H	108 x6C l	148 x94 ¨	184 xB8 y	219 xDB Û	255 xFF ,
	73 x49 I	109 x6D m			220 xDC Ü	

## Latin Modern: T5 (Vietnamese) encoding table

0 x00 ı	37 x25 %	74 x4A J	111 x6F o	148 x94 Ē	185 xB9 Ğ	222 xDE Ÿ
1 x01 ı	38 x26 &	75 x4B K	112 x70 p	149 x95 Ē	186 xBA Ğ	223 xDF Ÿ
2 x02 ı	39 x27 ı	76 x4C L	113 x71 q	150 x96 Ē	187 xBB Ğ	224 xE0 ı
3 x03 ı	40 x28 (	77 x4D M	114 x72 r	151 x97 Ē	188 xBC ı	225 xE1 o
4 x04 ı	41 x29 )	78 x4E N	115 x73 s	152 x98 Ē	189 xBD ı	226 xE2 o
5 x05 ı	42 x2A *	79 x4F O	116 x74 t	153 x99 Ē	190 xBE ı	227 xE3 o
6 x06 ı°	43 x2B ++	80 x50 P	117 x75 u	154 x9A Ē	191 xBF ı	228 xE4 o
7 x07 ı	44 x2C ,	81 x51 Q	118 x76 v	155 x9B Ē	192 xC0 ı	229 xE5 o
8 x08 ı	45 x2D +	82 x52 R	119 x77 w	156 x9C ı	193 xC1 Ò	230 xE6 o
9 x09 ı	46 x2E ı	83 x53 S	120 x78 x	157 x9D ı	194 xC2 Ó	231 xE7 ò
10 x0A ı	47 x2F /	84 x54 T	121 x79 y	158 x9E ı	195 xC3 Ò	232 xE8 o
11 x0B ı	48 x30 O	85 x55 U	122 x7A z	159 x9F ı	196 xC4 Ò	233 xE9 o
12 x0C ı°	49 x31 ı	86 x56 V	123 x7B {	160 xA0 à	197 xC5 Ò	234 xEA o
13 x0D ı	50 x32 2	87 x57 W	124 x7C	161 xA1 á	198 xC6 Ò	235 xEB o
14 x0E ı	51 x33 3	88 x58 X	125 x7D }	162 xA2 â	199 xC7 Ò	236 xEC o
15 x0F ı	52 x34 4	89 x59 Y	126 x7E ı	163 xA3 ã	200 xC8 Ó	237 xED o
16 x10 ı°	53 x35 5	90 x5A Z	127 x7F ı	164 xA4 ä	201 xC9 Ò	238 xEE o
17 x11 ı°	54 x36 6	91 x5B ı	128 x80 À	165 xA5 ã	202 xCA Ò	239 xEF o
18 x12 ı,	55 x37 7	92 x5C \	129 x81 Á	166 xA6 ä	203 xCB Ò	240 xF0 o
19 x13 ı«	56 x38 8	93 x5D ı	130 x82 Ã	167 xA7 ã	204 xCC Ò	241 xF1 o
20 x14 ı»	57 x39 9	94 x5E ı	131 x83 Ä	168 xA8 ã	205 xCD Ò	242 xF2 ù
21 x15 ıı	58 x3A ı	95 x5F ı	132 x84 Å	169 xA9 ã	206 xCE Ó	243 xF3 ú
22 x16 ııı	59 x3B ı	96 x60 ı	133 x85 Â	170 xAA ä	207 xCF Ò	244 xF4 ù
23 x17 ı	60 x3C <	97 x61 a	134 x86 Ã	171 xAB ä	208 xD0 Ò	245 xF5 ù
24 x18 ı	61 x3D =	98 x62 b	135 x87 Ä	172 xAC ä	209 xD1 Ò	246 xF6 ı
25 x19 ı	62 x3E >	99 x63 c	136 x88 Ã	173 xAD ä	210 xD2 Ò	247 xF7 ı
26 x1A ı°Y	63 x3F ı	100 x64 d	137 x89 Ä	174 xAE ä	211 xD3 Ò	248 xF8 ı
27 x1B ı°Y	64 x40 @	101 x65 e	138 x8A Â	175 xAF ä	212 xD4 Ò	249 xF9 ı
28 x1C ı°Y	65 x41 A	102 x66 f	139 x8B Ä	176 xB0 ä	213 xD5 Ò	250 xFA ı
29 x1D ı°Y	66 x42 B	103 x67 g	140 x8C Ä	177 xB1 è	214 xD6 Ò	251 xFB ı
30 x1E ı°D	67 x43 C	104 x68 h	141 x8D Ä	178 xB2 é	215 xD7 Ò	252 xFC ı
31 x1F ı°d	68 x44 D	105 x69 i	142 x8E Ä	179 xB3 ë	216 xD8 Ò	253 xFD ı
32 x20 ı	69 x45 E	106 x6A j	143 x8F Ä	180 xB4 ë	217 xD9 Ò	254 xFE ı
33 x21 ı	70 x46 F	107 x6B k	144 x90 Ä	181 xB5 ę	218 xDA Ò	255 xFF ı
34 x22 ı°	71 x47 G	108 x6C ı	145 x91 È	182 xB6 è	219 xDB Ò	
35 x23 ı°#	72 x48 H	109 x6D m	146 x92 É	183 xB7 è	220 xDC Ò	
36 x24 ı°\$	73 x49 ı	110 x6E n	147 x93 Ê	184 xB8 é	221 xDD Ò	

Latin Modern: T<sub>E</sub>X'n'ANSI (aka LY1 aka Y&Y) encoding table

	40 x28	76 x4C	112 x70	148 x94	184 xB8	220 xDC
1 x01	41 x29	77 x4D	113 x71	149 x95	185 xB9	221 xDD
4 x04	42 x2A	78 x4E	114 x72	150 x96	186 xBA	222 xDE
5 x05	43 x2B	79 x4F	115 x73	151 x97	187 xBB	223 xDF
6 x06	44 x2C	80 x50	116 x74	152 x98	188 xBC	224 xE0
7 x07	45 x2D	81 x51	117 x75	153 x99	189 xBD	225 xE1
8 x08	46 x2E	82 x52	118 x76	154 x9A	190 xBE	226 xE2
10 x0A	47 x2F	83 x53	119 x77	155 x9B	191 xBF	227 xE3
11 x0B	48 x30	84 x54	120 x78	156 x9C	192 xC0	228 xE4
12 x0C	49 x31	85 x55	121 x79	157 x9D	193 xC1	229 xE5
14 x0E	50 x32	86 x56	122 x7A	158 x9E	194 xC2	230 xE6
15 x0F	51 x33	87 x57	123 x7B	159 x9F	195 xC3	231 xE7
16 x10	52 x34	88 x58	124 x7C	160 xA0	196 xC4	232 xE8
17 x11	53 x35	89 x59	125 x7D	161 xA1	197 xC5	233 xE9
18 x12	54 x36	90 x5A	126 x7E	162 xA2	198 xC6	234 xEA
19 x13	55 x37	91 x5B	127 x7F	163 xA3	199 xC7	235 xEB
20 x14	56 x38	92 x5C	128 x80	164 xA4	200 xC8	236 xEC
21 x15	57 x39	93 x5D	129 x81	165 xA5	201 xC9	237 xED
22 x16	58 x3A	94 x5E	130 x82	166 xA6	202 xCA	238 xEE
23 x17	59 x3B	95 x5F	131 x83	167 xA7	203 xCB	239 xEF
24 x18	60 x3C	96 x60	132 x84	168 xA8	204 xCC	240 xF0
25 x19	61 x3D	97 x61	133 x85	169 xA9	205 xCD	241 xF1
26 x1A	62 x3E	98 x62	134 x86	170 xAA	206 xCE	242 xF2
27 x1B	63 x3F	99 x63	135 x87	171 xAB	207 xCF	243 xF3
28 x1C	64 x40	100 x64	136 x88	172 xAC	208 xD0	244 xF4
29 x1D	65 x41	101 x65	137 x89	173 xAD	209 xD1	245 xF5
30 x1E	66 x42	102 x66	138 x8A	174 xAE	210 xD2	246 xF6
31 x1F	67 x43	103 x67	139 x8B	175 xAF	211 xD3	247 xF7
32 x20	68 x44	104 x68	140 x8C	176 xB0	212 xD4	248 xF8
33 x21	69 x45	105 x69	141 x8D	177 xB1	213 xD5	249 xF9
34 x22	70 x46	106 x6A	142 x8E	178 xB2	214 xD6	250 xFA
35 x23	71 x47	107 x6B	143 x8F	179 xB3	215 xD7	251 xFB
36 x24	72 x48	108 x6C	144 x90	180 xB4	216 xD8	252 xFC
37 x25	73 x49	109 x6D	145 x91	181 xB5	217 xD9	253 xFD
38 x26	74 x4A	110 x6E	146 x92	182 xB6	218 xDA	254 xFE
39 x27	75 x4B	111 x6F	147 x93	183 xB7	219 xDB	255 xFF



**Latin Modern: TS1 (text companion) encoding table**

0 x00	25 x19  →	53 x35  5	_____	136 x88  ●	156 x9C  Ÿ	176 xB0  Ŧ
1 x01  '	26 x1A  Ŧ	54 x36  6	98 x62  ✱	137 x89  °C	157 x9D  Œ	177 xB1  ±
2 x02  ^	27 x1B  Ŧ	55 x37  7	99 x63  ø	138 x8A  \$	158 x9E  ◦	178 xB2  ²
3 x03  ~	28 x1C  Ŧ	56 x38  8	100 x64  H	139 x8B  c	159 x9F   <sup>SM</sup>	179 xB3  ³
4 x04  "	29 x1D  Ŧ	57 x39  9	_____	140 x8C  f	160 xA0  {	180 xB4  ´
5 x05  '"	31 x1F  I	_____	108 x6C  ☞	141 x8D  C	161 xA1  }	181 xB5  µ
6 x06  °	32 x20  b	60 x3C  <	109 x6D  w	142 x8E  W	162 xA2  c	182 xB6  ¶
7 x07  ~	_____	61 x3D  —	_____	143 x8F  N	163 xA3  £	183 xB7  ·
8 x08  ~	36 x24  \$	62 x3E  >	_____	144 x90  G	164 xA4  x	184 xB8  ×
9 x09  Ŧ	39 x27  !	77 x4D  U	_____	145 x91  P	165 xA5  ¥	185 xB9  ¼
10 x0A  Ŧ	42 x2A  ✱	_____	115 x73  f	146 x92  £	166 xA6	186 xBA  Ŧ
11 x0B  ,	44 x2C  ,	79 x4F  O	126 x7E  L	147 x93  R	167 xA7  \$	187 xBB  √
12 x0C  ,	45 x2D  ,	81 x51  O	127 x7F  #	148 x94  ?	168 xA8  '	188 xBC  ¼
13 x0D  ,	46 x2E  ,	_____	128 x80  ~	149 x95  ,	169 xA9  ©	189 xBD  ½
_____	47 x2F  /	87 x57  Ω	129 x81  ~	150 x96  d	170 xAA  ª	190 xBE  ¾
18 x12  ,	48 x30  o	91 x5B	130 x82  '	151 x97  ™	171 xAB  ©	191 xBF  €
_____	49 x31  i	_____	131 x83  '	152 x98  %od	172 xAC  —	_____
21 x15  —	50 x32  z	93 x5D	132 x84  Ŧ	153 x99  ¶	173 xAD  ©	214 xD6  ×
22 x16  —	51 x33  3	94 x5E  ↑	133 x85  Ŧ	154 x9A  B	174 xAE  ®	_____
23 x17  I	52 x34  4	95 x5F  ↓	134 x86	155 x9B  Nº	175 xAF  Ŧ	246 xF6  ÷
24 x18  ←	_____	96 x60  '	135 x87  %od	_____	_____	_____