

B. Jackowski and J. M. Nowacki



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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/tug2003/preprints/Jackowski/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 LM collection of fonts consists of 72 text fonts

lmb10 lmbo10 lmbx5 lmbx6 lmbx7 lmbx8 lmbx9 lmbx10 lmbx12 lmbxi10 lmbxo10 lmcs10 lmcsco10  
lmdunh10 lmduno10 lmr5 lmr6 lmr7 lmr8 lmr9 lmr10 lmr12 lmr17 lmri7 lmri8 lmri9 lmri10 lmri12  
lmro8 lmro9 lmro10 lmro12 lmro17 lmss8 lmss9 lmss10 lmss12 lmss17 lmssbo10 lmssbx10 lmssdc10  
lmssdo10 lmssso8 lmssso9 lmssso10 lmssso12 lmssso17 lmsssq8 lmsssqbo8 lmsssqbx8 lmsssqo8 lmtcs10  
lmtcs10 lmtk10 lmtko10 lmtl10 lmtlc10 lmtlco10 lmtlo10 lmtt8 lmtt9 lmtt10 lmtt12 lmtti10 lmtto10  
lmu10 lmvtk10 lmvtko10 lmvtl10 lmvto10 lmvtt10 lmvtto10

and 20 math fonts

lmbsy5 lmbsy7 lmbsy10 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 viceversa, all LM math fonts belong to the CM standard (cmbsy7 cmbsy10 cmmib5 cmmib7 were added by the American Mathematical Society).

Each of the LM text fonts contains more than 700 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 ( <http://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 the access to the plentitude of the diacritical characters, we prepared nine different 255-character encodings for every 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 details can be found in:

Bogusław Jackowski, Janusz M. Nowacki, *Latin Modern fonts: how less means more*  
<http://www.dante.de/dante/events/eurotex/papers/TUT09.pdf>

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

Will Robertson, *Unicode font encoding definitions for XeTeX*  
<http://www.ctan.org/tex-archive/macros/xetex/latex/euenc/>

## OpenType Layout features found in Latin Modern Roman

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

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

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

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

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

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

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

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

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

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

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

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

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

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

language = <default>
features = 'aalt' '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

"Latin Modern Roman" -> 0369 OThamburgefionst  
"Latin Modern Roman/I" -> *0369 OThamburgefionst*  
"Latin Modern Roman/B" -> **0369 OThamburgefionst**  
"Latin Modern Roman/BI" -> ***0369 OThamburgefionst***  
"Latin Modern Roman:+frac" / "1/4 ABC abcfllffi" -> ¼ ABC abcfllffi  
"Latin Modern Roman:+onum" / "0123456789 ABC abc" -> 0123456789 ABC abc  
"Latin Modern Roman:+tnum" / "0123456789 ABC abc" -> 0123456789 ABC abc  
"Latin Modern Roman:-kern" / "WARSZAWA VAT" -> WARSZAWA VAT  
"Latin Modern Roman:+zero" / "012345 ABC abc" -> 012345 ABC abc  
"Latin Modern Roman:language=PLK" / "fifka fijn" -> fifka fijn  
"Latin Modern Roman:language=NLD" / "fifka fijn" -> fifka fijn  
"Latin Modern Roman:language=TRK" / "fifka fijn" -> fifka fijn  
"Latin Modern Roman" / "\char"015E \char"015F" -> § §  
"Latin Modern Roman: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) lmsqb8 -> **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***

## The repertoire of glyphs of Latin Modern Roman

Each subcolumn contains: unicode number (if present), glyphs in all variants, the OTF name or the OTF name placed above the Type 1 name (if they differ).

### 0. No unicodes

´ ´ ´ ´	acute.dup	ı ı ı ı	lcedilla
Æ Æ Æ Æ	AE.dup	– – – –	macron.dup
æ æ æ æ	ae.dup	N̄ N̄ N̄ N̄	Ncedilla
˘ ˘ ˘ ˘	cedilla.dup	n̄ n̄ n̄ n̄	ncedilla
ˆ ˆ ˆ ˆ	circumflex.dup	Œ Œ Œ Œ	OE.dup
¨ ¨ ¨ ¨	dieresis.dup	œ œ œ œ	oe.dup
G̣ G̣ G̣ G̣	Gcedilla	Ø Ø Ø Ø	Oslash.dup
ġ ġ ġ ġ	gcedilla	ø ø ø ø	oslash.dup
ß ß ß ß	germandbls.dup	‘ ‘ ‘ ‘	quoteleft.dup
- - - -	hyphen.dup	’ ’ ’ ’	quoteright.dup
Ḳ Ḳ Ḳ Ḳ	Kcedilla	Ṛ Ṛ Ṛ Ṛ	Rcedilla
ḳ ḳ ḳ ḳ	kcedilla	ř ř ř ř	rcedilla
Ḷ Ḷ Ḷ Ḷ	Lcedilla	˜ ˜ ˜ ˜	tilde.dup

### 1. Standard low unicodes 0020 .. 007E

0020	space	0038	8 8 8 8	eight
0021	! ! ! !	0039	9 9 9 9	nine
0022	" " " "	003A	: : : :	colon
0023	# # # #	003B	; ; ; ;	semicolon
0024	\$ \$ \$ \$	003C	< < < <	less
0025	% % % %	003D	= = = =	equal
0026	& & & &	003E	> > > >	greater
0027	' ' ' '	003F	? ? ? ?	question
0028	( ( ( (	0040	@ @ @ @	at
0029	) ) ) )	0041	A A A A	A
002A	* * * *	0042	B B B B	B
002B	+ + + +	0043	C C C C	C
002C	, , , ,	0044	D D D D	D
002D	- - - -	0045	E E E E	E
002E	. . . .	0046	F F F F	F
002F	/ / / /	0047	G G G G	G
0030	0 0 0 0	0048	H H H H	H
0031	1 1 1 1	0049	I I I I	I
0032	2 2 2 2	004A	J J J J	J
0033	3 3 3 3	004B	K K K K	K
0034	4 4 4 4	004C	L L L L	L
0035	5 5 5 5	004D	M M M M	M
0036	6 6 6 6	004E	N N N N	N
0037	7 7 7 7	004F	O O O O	O

0050	<i>P P P P</i>	P	0068	<i>h h h h</i>	h
0051	<i>Q Q Q Q</i>	Q	0069	<i>i i i i</i>	i
0052	<i>R R R R</i>	R	006A	<i>j j j j</i>	j
0053	<i>S S S S</i>	S	006B	<i>k k k k</i>	k
0054	<i>T T T T</i>	T	006C	<i>l l l l</i>	l
0055	<i>U U U U</i>	U	006D	<i>m m m m</i>	m
0056	<i>V V V V</i>	V	006E	<i>n n n n</i>	n
0057	<i>W W W W</i>	W	006F	<i>o o o o</i>	o
0058	<i>X X X X</i>	X	0070	<i>p p p p</i>	p
0059	<i>Y Y Y Y</i>	Y	0071	<i>q q q q</i>	q
005A	<i>Z Z Z Z</i>	Z	0072	<i>r r r r</i>	r
005B	[ / [ /	bracketleft	0073	<i>s s s s</i>	s
005C	\ \ \ \	backslash	0074	<i>t t t t</i>	t
005D	] / ] /	bracketright	0075	<i>u u u u</i>	u
005E	^ ^ ^ ^	asciicircum	0076	<i>v v v v</i>	v
005F	_ _ _ _	underscore	0077	<i>w w w w</i>	w
0060	` ` ` `	grave	0078	<i>x x x x</i>	x
0061	<i>a a a a</i>	a	0079	<i>y y y y</i>	y
0062	<i>b b b b</i>	b	007A	<i>z z z z</i>	z
0063	<i>c c c c</i>	c	007B	{ { { {	braceleft
0064	<i>d d d d</i>	d	007C	/   /	bar
0065	<i>e e e e</i>	e	007D	} } } }	braceright
0066	<i>f f f f</i>	f	007E	~ ~ ~ ~	asciitilde
0067	<i>g g g g</i>	g			

## 2. Standard high unicodes FB00 .. FB06

FB00	<i>ff ff ff ff</i>	f f ff	FB03	<i>ffi ffi ffi ffi</i>	f f i ffi
FB01	<i>fi fi fi fi</i>	f i fi	FB04	<i>ffl ffl ffl ffl</i>	f f l ffl
FB02	<i>fl fl fl fl</i>	f l fl			

## 3. Standard other unicodes 0080 .. DFFF (actually in 00A0 .. uni2AB0)

00A0		uni00A0 nbspspace	00AB	« « « «	guillemotleft
00A1	<i>¡ ¡ ¡ ¡</i>	exclamdown	00AC	¬ ¬ ¬ ¬	logicalnot
00A2	<i>¢ ¢ ¢ ¢</i>	cent	00AD	- - - -	uni00AD sfthyphen
00A3	<i>£ £ £ £</i>	sterling	00AE	® ® ® ®	registered
00A4	<i>¤ ¤ ¤ ¤</i>	currency	00AF	- - - -	macron
00A5	<i>¥ ¥ ¥ ¥</i>	yen	00B0	° ° ° °	degree
00A6	<i>  /   /</i>	brokenbar	00B1	± ± ± ±	plusminus
00A7	<i>§ § § §</i>	section	00B2	² ² ² ²	two.superior
00A8	¨ ¨ ¨ ¨	dieresis	00B3	³ ³ ³ ³	three.superior
00A9	© © © ©	copyright	00B4	´ ´ ´ ´	acute
00AA	<i>ª ª ª ª</i>	ordfeminine	00B5	µ µ µ µ	uni00B5 mu

00B6	¶ ¶ ¶ ¶	paragraph	00E3	ã ã ã ã	atilde
00B7	· · · ·	periodcentered	00E4	ä ä ä ä	adieresis
00B8	¸ ¸ ¸ ¸	cedilla	00E5	ǎ ǎ ǎ ǎ	aring
00B9	¹ ¹ ¹ ¹	one.superior	00E6	æ æ æ æ	ae
00BA	♂ ♂ ♂ ♂	ordmasculine	00E7	ç ç ç ç	ccedilla
00BB	» » » »	guillemotright	00E8	è è è è	egrave
00BC	¼ ¼ ¼ ¼	onequarter	00E9	é é é é	eacute
00BD	½ ½ ½ ½	onehalf	00EA	ê ê ê ê	ecircumflex
00BE	¾ ¾ ¾ ¾	threequarters	00EB	ë ë ë ë	edieresis
00BF	¿ ¿ ¿ ¿	questiondown	00EC	ì ì ì ì	igrave
00C0	À À À À	Agrave	00ED	í í í í	iacute
00C1	Á Á Á Á	Aacute	00EE	î î î î	icircumflex
00C2	Â Â Â Â	Acircumflex	00EF	ï ï ï ï	idieresis
00C3	Ã Ã Ã Ã	Atilde	00F0	ð ð ð ð	eth
00C4	Ä Ä Ä Ä	Adieresis	00F1	ñ ñ ñ ñ	ntilde
00C5	Å Å Å Å	Aring	00F2	ò ò ò ò	ograve
00C6	Æ Æ Æ Æ	AE	00F3	ó ó ó ó	oacute
00C7	Ç Ç Ç Ç	Ccedilla	00F4	ô ô ô ô	ocircumflex
00C8	È È È È	Egrave	00F5	õ õ õ õ	otilde
00C9	É É É É	Eacute	00F6	ö ö ö ö	odieresis
00CA	Ê Ê Ê Ê	Ecircumflex	00F7	÷ ÷ ÷ ÷	divide
00CB	Ë Ë Ë Ë	Edieresis	00F8	ø ø ø ø	oslash
00CC	Ì Ì Ì Ì	Igrave	00F9	ù ù ù ù	ugrave
00CD	Í Í Í Í	Iacute	00FA	ú ú ú ú	uacute
00CE	Î Î Î Î	Icircumflex	00FB	û û û û	ucircumflex
00CF	Ï Ï Ï Ï	Idieresis	00FC	ü ü ü ü	udieresis
00D0	Ð Ð Ð Ð	Eth	00FD	ý ý ý ý	yacute
00D1	Ñ Ñ Ñ Ñ	Ntilde	00FE	þ þ þ þ	thorn
00D2	Ò Ò Ò Ò	Ograve	00FF	ÿ ÿ ÿ ÿ	ydieresis
00D3	Ó Ó Ó Ó	Oacute	0100	Ā Ā Ā Ā	Amacron
00D4	Ô Ô Ô Ô	Ocircumflex	0101	ā ā ā ā	amacron
00D5	Õ Õ Õ Õ	Otilde	0102	Ă Ă Ă Ă	Abreve
00D6	Ö Ö Ö Ö	Odieresis	0103	ǎ ǎ ǎ ǎ	abreve
00D7	× × × ×	multiply	0104	Ą ą ą ą	Aogonek
00D8	Ø Ø Ø Ø	Oslash	0105	ą ą ą ą	aogonek
00D9	Ù Ù Ù Ù	Ugrave	0106	Ć Ć Ć Ć	Cacute
00DA	Ú Ú Ú Ú	Uacute	0107	ć ć ć ć	cacute
00DB	Û Û Û Û	Ucircumflex	0108	Ĉ Ĉ Ĉ Ĉ	Ccircumflex
00DC	Ü Ü Ü Ü	Udieresis	0109	ĉ ĉ ĉ ĉ	ccircumflex
00DD	Ý Ý Ý Ý	Yacute	010A	Ċ Ċ Ċ Ċ	Cdotaccent
00DE	Þ Þ Þ Þ	Thorn	010B	ċ ċ ċ ċ	cdotaccent
00DF	ß ß ß ß	germandbls	010C	Č Č Č Č	Ccaron
00E0	à à à à	agrave	010D	č č č č	ccaron
00E1	á á á á	aacute	010E	Ǿ Ǿ Ǿ Ǿ	Dcaron
00E2	â â â â	acircumflex	010F	ď ď ď ď	dcaron

0110	Đ <i>Đ</i> <b>Đ</b> <i>Đ</i>	Dcroat	013D	Ł <i>Ł</i> <b>Ł</b> <i>Ł</i>	Lcaron
0111	đ <i>đ</i> <b>đ</b> <i>đ</i>	dcroat	013E	ł <i>ł</i> <b>ł</b> <i>ł</i>	lcaron
0112	Ē <i>Ē</i> <b>Ē</b> <i>Ē</i>	Emacron	013F	Ĺ <i>Ĺ</i> <b>Ĺ</b> <i>Ĺ</i>	Ldot
0113	ē <i>ē</i> <b>ē</b> <i>ē</i>	emacron	0140	Ł <i>Ł</i> <b>Ł</b> <i>Ł</i>	ldot
0114	Ě <i>Ě</i> <b>Ě</b> <i>Ě</i>	Ebreve	0141	Ł <i>Ł</i> <b>Ł</b> <i>Ł</i>	Lslash
0115	ě <i>ě</i> <b>ě</b> <i>ě</i>	ebreve	0142	ł <i>ł</i> <b>ł</b> <i>ł</i>	lslash
0116	Ė <i>Ė</i> <b>Ė</b> <i>Ė</i>	Edotaccent	0143	Ń <i>Ń</i> <b>Ń</b> <i>Ń</i>	Nacute
0117	ė <i>ė</i> <b>ė</b> <i>ė</i>	edotaccent	0144	ń <i>ń</i> <b>ń</b> <i>ń</i>	nacute
0118	Ę <i>Ę</i> <b>Ę</b> <i>Ę</i>	Eogonek	0145	Ņ <i>Ņ</i> <b>Ņ</b> <i>Ņ</i>	Ncommaaccent
0119	ę <i>ę</i> <b>ę</b> <i>ę</i>	eogonek	0146	ņ <i>ņ</i> <b>ņ</b> <i>ņ</i>	ncommaaccent
011A	Ě <i>Ě</i> <b>Ě</b> <i>Ě</i>	Ecaron	0147	Ñ <i>Ñ</i> <b>Ñ</b> <i>Ñ</i>	Ncaron
011B	ě <i>ě</i> <b>ě</b> <i>ě</i>	ecaron	0148	ñ <i>ñ</i> <b>ñ</b> <i>ñ</i>	ncaron
011C	Ĝ <i>Ĝ</i> <b>Ĝ</b> <i>Ĝ</i>	Gcircumflex	014A	Ŋ <i>Ŋ</i> <b>Ŋ</b> <i>Ŋ</i>	Eng
011D	ĝ <i>ĝ</i> <b>ĝ</b> <i>ĝ</i>	gcircumflex	014B	ŋ <i>ŋ</i> <b>ŋ</b> <i>ŋ</i>	eng
011E	Ğ <i>Ğ</i> <b>Ğ</b> <i>Ğ</i>	Gbreve	014C	Ō <i>Ō</i> <b>Ō</b> <i>Ō</i>	Omacron
011F	ğ <i>ğ</i> <b>ğ</b> <i>ğ</i>	gbreve	014D	ō <i>ō</i> <b>ō</b> <i>ō</i>	omacron
0120	Ġ <i>Ġ</i> <b>Ġ</b> <i>Ġ</i>	Gdotaccent	014E	Ŏ <i>Ŏ</i> <b>Ŏ</b> <i>Ŏ</i>	Obreve
0121	ġ <i>ġ</i> <b>ġ</b> <i>ġ</i>	gdotaccent	014F	ő <i>ő</i> <b>ő</b> <i>ő</i>	obreve
0122	Ģ <i>Ģ</i> <b>Ģ</b> <i>Ģ</i>	Gcommaaccent	0150	Ő <i>Ő</i> <b>Ő</b> <i>Ő</i>	Ohungarumlaut
0123	ģ <i>ģ</i> <b>ģ</b> <i>ģ</i>	gcommaaccent	0151	ő <i>ő</i> <b>ő</b> <i>ő</i>	ohungarumlaut
0124	Ĥ <i>Ĥ</i> <b>Ĥ</b> <i>Ĥ</i>	Hcircumflex	0152	Œ <i>Œ</i> <b>Œ</b> <i>Œ</i>	OE
0125	ĥ <i>ĥ</i> <b>ĥ</b> <i>ĥ</i>	hcircumflex	0153	œ <i>œ</i> <b>œ</b> <i>œ</i>	oe
0126	Ħ <i>Ħ</i> <b>Ħ</b> <i>Ħ</i>	Hbar	0154	Ŕ <i>Ŕ</i> <b>Ŕ</b> <i>Ŕ</i>	Racute
0127	ħ <i>ħ</i> <b>ħ</b> <i>ħ</i>	hbar	0155	ŕ <i>ŕ</i> <b>ŕ</b> <i>ŕ</i>	racute
0128	Ĩ <i>Ĩ</i> <b>Ĩ</b> <i>Ĩ</i>	Itilde	0156	Ŗ <i>Ŗ</i> <b>Ŗ</b> <i>Ŗ</i>	Rcommaaccent
0129	ĩ <i>ĩ</i> <b>ĩ</b> <i>ĩ</i>	itilde	0157	ŗ <i>ŗ</i> <b>ŗ</b> <i>ŗ</i>	rcommaaccent
012A	Ī <i>Ī</i> <b>Ī</b> <i>Ī</i>	Imacron	0158	Ř <i>Ř</i> <b>Ř</b> <i>Ř</i>	Rcaron
012B	ī <i>ī</i> <b>ī</b> <i>ī</i>	imacron	0159	ř <i>ř</i> <b>ř</b> <i>ř</i>	rcaron
012C	Ĭ <i>Ĭ</i> <b>Ĭ</b> <i>Ĭ</i>	Ibreve	015A	Ś <i>Ś</i> <b>Ś</b> <i>Ś</i>	Sacute
012D	į <i>į</i> <b>į</b> <i>į</i>	ibreve	015B	ś <i>ś</i> <b>ś</b> <i>ś</i>	sacute
012E	Į <i>Į</i> <b>Į</b> <i>Į</i>	Iogonek	015C	Ŝ <i>Ŝ</i> <b>Ŝ</b> <i>Ŝ</i>	Scircumflex
012F	į <i>į</i> <b>į</b> <i>į</i>	iogonek	015D	ŝ <i>ŝ</i> <b>ŝ</b> <i>ŝ</i>	scircumflex
0130	İ <i>İ</i> <b>İ</b> <i>İ</i>	Idotaccent	015E	Ş <i>Ş</i> <b>Ş</b> <i>Ş</i>	Scedilla
0131	ı <i>ı</i> <b>ı</b> <				

016E	Ū Ū Ū Ū	Uring
016F	ű ű ű ű	uring
0170	Ű Ű Ű Ű	Uhungarumlaut
0171	ű ű ű ű	uhungarumlaut
0172	Ȳ Ȳ Ȳ Ȳ	Uogonek
0173	ȳ ȳ ȳ ȳ	uogonek
0174	Ŵ Ŵ Ŵ Ŵ	Wcircumflex
0175	ŵ ŵ ŵ ŵ	wcircumflex
0176	Ŷ Ŷ Ŷ Ŷ	Ycircumflex
0177	ŷ ŷ ŷ ŷ	ycircumflex
0178	Ỳ Ỳ Ỳ Ỳ	Ydieresis
0179	Ž Ž Ž Ž	Zacute
017A	ž ž ž ž	zacute
017B	Ž Ž Ž Ž	Zdotaccent
017C	ž ž ž ž	zdotaccent
017D	Ž Ž Ž Ž	Zcaron
017E	ž ž ž ž	zcaron
017F	ƒ ƒ ƒ ƒ	longs
018E	Ǝ Ǝ Ǝ Ǝ	Ereversed
0192	ƒ ƒ ƒ ƒ	florin
01A0	Ȫ Ȫ Ȫ Ȫ	Ohorn
01A1	ȫ ȫ ȫ ȫ	ohorn
01AF	Ȫ Ȫ Ȫ Ȫ	Uhorn
01B0	ȫ ȫ ȫ ȫ	uhorn
01CD	Ǻ Ǻ Ǻ Ǻ	Acaron
01CE	ǻ ǻ ǻ ǻ	acaron
01CF	Ǽ Ǽ Ǽ Ǽ	Icaron
01D0	ǿ ǿ ǿ ǿ	icaron
01D1	Ǿ Ǿ Ǿ Ǿ	Ocaron
01D2	ǿ ǿ ǿ ǿ	ocaron
01D3	Ǫ Ǫ Ǫ Ǫ	Ucaron
01D4	ǫ ǫ ǫ ǫ	ucaron
01D7	Ǻ Ǻ Ǻ Ǻ	Udieresisacute
01D8	ǻ ǻ ǻ ǻ	udieresisacute
01D9	Ǽ Ǽ Ǽ Ǽ	Udieresiscaron
01DA	ǿ ǿ ǿ ǿ	udieresiscaron
01DB	Ǿ Ǿ Ǿ Ǿ	Udieresisgrave
01DC	ǿ ǿ ǿ ǿ	udieresisgrave
01DD	ə ə ə ə	eturned
01E6	Ǧ Ǧ Ǧ Ǧ	Gcaron
01E7	ǧ ǧ ǧ ǧ	gcaron
01EA	Ȣ Ȣ Ȣ Ȣ	Oogonek
01EB	ȣ ȣ ȣ ȣ	oogonek
01F0	ǰ ǰ ǰ ǰ	jcaron
01F4	Ǵ Ǵ Ǵ Ǵ	Gacute

01F5	ǵ ǵ ǵ ǵ	gacute
01FA	Ǻ Ǻ Ǻ Ǻ	Aringacute
01FB	ǻ ǻ ǻ ǻ	aringacute
01FC	Ǽ Ǽ Ǽ Ǽ	AEacute
01FD	ǿ ǿ ǿ ǿ	aeacute
01FE	Ǿ Ǿ Ǿ Ǿ	Oslashacute
01FF	ǿ ǿ ǿ ǿ	oslashacute
0200	Ǻ Ǻ Ǻ Ǻ	Adblgrave
0201	ǻ ǻ ǻ ǻ	adblgrave
0204	Ǽ Ǽ Ǽ Ǽ	Edblgrave
0205	ǿ ǿ ǿ ǿ	edblgrave
0208	Ǿ Ǿ Ǿ Ǿ	Idblgrave
0209	ǿ ǿ ǿ ǿ	idblgrave
020C	Ǻ Ǻ Ǻ Ǻ	Odblgrave
020D	ǻ ǻ ǻ ǻ	odblgrave
0210	Ǽ Ǽ Ǽ Ǽ	Rdblgrave
0211	ǿ ǿ ǿ ǿ	rdblgrave
0214	Ǫ Ǫ Ǫ Ǫ	Udblgrave
0215	ǫ ǫ ǫ ǫ	udblgrave
0218	Ș Ș Ș Ș	uni0218 Scommaaccent
0219	ș ș ș ș	uni0219 scommaaccent
021A	Ț Ț Ț Ț	uni021A Tcommaaccent
021B	ț ț ț ț	uni021B tcommaaccent
0237	Ј Ј Ј Ј	uni0237 dotlessj.dup
0258	ə ə ə ə	ereversed
0259	ə ə ə ə	schwa
02BE	◌◌◌◌	ringhalfright
02BF	◌◌◌◌	ringhalfleft
02C6	ˆ ˆ ˆ ˆ	circumflex
02C7	˘ ˘ ˘ ˘	caron
02D8	˘ ˘ ˘ ˘	breve
02D9	˙ ˙ ˙ ˙	dotaccent
02DA	◌◌◌◌	ring
02DB	◌◌◌◌	ogonek
02DC	˜ ˜ ˜ ˜	tilde
02DD	˝ ˝ ˝ ˝	hungarumlaut
0300	˘ ˘ ˘ ˘	uni0300 gravecomb
0301	˘ ˘ ˘ ˘	uni0301 acutecomb
0302	ˆ ˆ ˆ ˆ	uni0302 circumflexcomb
0303	˜ ˜ ˜ ˜	uni0303 tildecomb
0304	˘ ˘ ˘ ˘	uni0304 macroncomb
0306	˘ ˘ ˘ ˘	uni0306 brevecomb

0307	· · · ·	uni0307 dotaccentcomb	1E0D	ḋ ḋ ḋ ḋ	ddotbelow
0308	¨ ¨ ¨ ¨	uni0308 dieresiscomb	1E0E	Ḍ Ḍ Ḍ Ḍ	Dlinebelow
0309	ˆ ˆ ˆ ˆ	uni0309 hookabovecomb	1E0F	ḑ ḑ ḑ ḑ	dlinebelow
030A	° ° ° °	uni030A ringcomb	1E24	Ḧ Ḧ Ḧ Ḧ	Hdotbelow
030B	˝ ˝ ˝ ˝	uni030B hungarumlautcomb	1E25	ḡ ḡ ḡ ḡ	hdotbelow
030C	ˇ ˇ ˇ ˇ	uni030C caroncomb	1E26	Ḣ Ḣ Ḣ Ḣ	Hdieresis
030F	˘ ˘ ˘ ˘	uni030F dblgravecomb	1E27	ḥ ḥ ḥ ḥ	hdieresis
0311	˘ ˘ ˘ ˘	uni0311 breveinvertedcomb	1E2A	Ḥ Ḥ Ḥ Ḥ	Hbrevebelow
0323	˙ ˙ ˙ ˙	uni0323 dotbelowcomb	1E2B	ḥ ḥ ḥ ḥ	hbrevebelow
0326	ˆ ˆ ˆ ˆ	uni0326 commaaccentcomb	1E2E	İ İ İ İ	Idieresisacute
032E	˘ ˘ ˘ ˘	uni032E brevebelowcomb	1E2F	í í í í	idieresisacute
032F	˘ ˘ ˘ ˘	uni032F brevebelowinvertedcomb	1E36	Ł Ł Ł Ł	Ldotbelow
0330	˜ ˜ ˜ ˜	uni0330 tildebelowcomb	1E37	ł ł ł ł	ldotbelow
0331	˘ ˘ ˘ ˘	uni0331 macronbelowcomb	1E38	Ĺ Ĺ Ĺ Ĺ	Ldotbelowmacron
0332	˘ ˘ ˘ ˘	uni0332 linebelowcomb	1E39	ĺ ĺ ĺ ĺ	ldotbelowmacron
0391	Α Α Α Α	Alpha	1E42	Ṁ Ṁ Ṁ Ṁ	Mdotbelow
0392	Β Β Β Β	Beta	1E43	ṁ ṁ ṁ ṁ	mdotbelow
0393	Γ Γ Γ Γ	Gamma	1E44	Ṅ Ṅ Ṅ Ṅ	Ndotaccent
0394	Δ Δ Δ Δ	Delta	1E45	ṅ ṅ ṅ ṅ	ndotaccent
0395	Ε Ε Ε Ε	Epsilon	1E46	Ṇ Ṇ Ṇ Ṇ	Ndotbelow
0396	Ζ Ζ Ζ Ζ	Zeta	1E47	ṇ ṇ ṇ ṇ	ndotbelow
0397	Η Η Η Η	Eta	1E58	Ṛ Ṛ Ṛ Ṛ	Rdotaccent
0398	Θ Θ Θ Θ	Theta	1E59	ṛ ṛ ṛ ṛ	rdotaccent
0399	Ι Ι Ι Ι	Iota	1E5A	Ṛ Ṛ Ṛ Ṛ	Rdotbelow
039A	Κ Κ Κ Κ	Kappa	1E5B	ṛ ṛ ṛ ṛ	rdotbelow
039B	Λ Λ Λ Λ	Lambda	1E5C	Ṛ Ṛ Ṛ Ṛ	Rdotbelowmacron
039C	Μ Μ Μ Μ	Mu	1E5D	ṛ ṛ ṛ ṛ	rdotbelowmacron
039D	Ν Ν Ν Ν	Nu	1E62	Ș Ș Ș Ș	Sdotbelow
039E	Ξ Ξ Ξ Ξ	Xi	1E63	ș ș ș ș	sdotbelow
039F	Ο Ο Ο Ο	Omicron	1E6C	Ṭ Ṭ Ṭ Ṭ	Tdotbelow
03A0	Π Π Π Π	Pi	1E6D	ṭ ṭ ṭ ṭ	tdotbelow
03A1	Ρ Ρ Ρ Ρ	Rho	1E6E	Ṭ Ṭ Ṭ Ṭ	Tlinebelow
03A3	Σ Σ Σ Σ	Sigma	1E6F	ṭ ṭ ṭ ṭ	tlinebelow
03A4	Τ Τ Τ Τ	Tau	1E80	Ẁ Ẁ Ẁ Ẁ	Wgrave
03A5	Υ Υ Υ Υ	Upsilon	1E81	ẁ ẁ ẁ ẁ	wgrave
03A6	Φ Φ Φ Φ	Phi	1E82	Ẃ Ẃ Ẃ Ẃ	Wacute
03A7	Χ Χ Χ Χ	Chi	1E83	ẃ ẃ ẃ ẃ	wacute
03A8	Ψ Ψ Ψ Ψ	Psi	1E84	Ẅ Ẅ Ẅ Ẅ	Wdieresis
03A9	Ω Ω Ω Ω	Omega	1E85	ẅ ẅ ẅ ẅ	wdieresis
0E3F	ᔢ ᔢ ᔢ ᔢ	baht	1E92	Ẑ Ẑ Ẑ Ẑ	Zdotbelow
1E0C	Ḑ Ḑ Ḑ Ḑ	Ddotbelow	1E93	ẑ ẑ ẑ ẑ	zdotbelow
			1E97	ṫ ṫ ṫ ṫ	tdieresis
			1EA0	Ạ Ạ Ạ Ạ	Adotbelow
			1EA1	ạ ạ ạ ạ	adotbelow
			1EA2	Ả Ả Ả Ả	Ahookabove

1EA3	ă	ă	ă	ă	ahookabove	1ED0	Ó	Ó	Ó	Ó	Ocircumflexacute
1EA4	Á	Á	Á	Á	Acircumflexacute	1ED1	ó	ó	ó	ó	ocircumflexacute
1EA5	á	á	á	á	acircumflexacute	1ED2	Ò	Ò	Ò	Ò	Ocircumflexgrave
1EA6	À	À	À	À	Acircumflexgrave	1ED3	ò	ò	ò	ò	ocircumflexgrave
1EA7	à	à	à	à	acircumflexgrave	1ED4	Ȯ	Ȯ	Ȯ	Ȯ	Ocircumflexhookabove
1EA8	Ả	Ả	Ả	Ả	Acircumflexhookabove	1ED5	ỏ	ỏ	ỏ	ỏ	ocircumflexhookabove
1EA9	ǎ	ǎ	ǎ	ǎ	acircumflexhookabove	1ED6	Õ	Õ	Õ	Õ	Ocircumflextilde
1EAA	Ã	Ã	Ã	Ã	Acircumflextilde	1ED7	õ	õ	õ	õ	ocircumflextilde
1EAB	ã	ã	ã	ã	acircumflextilde	1ED8	Ọ̇	Ọ̇	Ọ̇	Ọ̇	Ocircumflexdotbelow
1EAC	Â	Â	Â	Â	Acircumflexdotbelow	1ED9	ô	ô	ô	ô	ocircumflexdotbelow
1EAD	â	â	â	â	acircumflexdotbelow	1EDA	Ố	Ố	Ố	Ố	Ohornacute
1EAE	Ả	Ả	Ả	Ả	Abreveacute	1EDB	ó	ó	ó	ó	ohornacute
1EAF	á	á	á	á	abreveacute	1EDC	Ờ	Ờ	Ờ	Ờ	Ohorngrave
1EB0	À	À	À	À	Abrevegrave	1EDD	ờ	ờ	ờ	ờ	ohorngrave
1EB1	à	à	à	à	abrevegrave	1EDE	Ọ̇	Ọ̇	Ọ̇	Ọ̇	Ohornhookabove
1EB2	Ả	Ả	Ả	Ả	Abrevehookabove	1EDF	ỏ	ỏ	ỏ	ỏ	ohornhookabove
1EB3	ǎ	ǎ	ǎ	ǎ	abrevehookabove	1EE0	Õ	Õ	Õ	Õ	Ohorntilde
1EB4	Ã	Ã	Ã	Ã	Abrevetilde	1EE1	õ	õ	õ	õ	ohorntilde
1EB5	ã	ã	ã	ã	abrevetilde	1EE2	Ọ̇	Ọ̇	Ọ̇	Ọ̇	Ohorndotbelow
1EB6	Ă	Ă	Ă	Ă	Abrevedotbelow	1EE3	ợ	ợ	ợ	ợ	ohorndotbelow
1EB7	ă	ă	ă	ă	abrevedotbelow	1EE4	Ọ̇	Ọ̇	Ọ̇	Ọ̇	Udotbelow
1EB8	Ẹ	Ẹ	Ẹ	Ẹ	Edotbelow	1EE5	ụ	ụ	ụ	ụ	udotbelow
1EB9	ẹ	ẹ	ẹ	ẹ	edotbelow	1EE6	Ọ̇	Ọ̇	Ọ̇	Ọ̇	Uhookabove
1EBA	Ẻ	Ẻ	Ẻ	Ẻ	Ehookabove	1EE7	ủ	ủ	ủ	ủ	uhookabove
1EBB	ẻ	ẻ	ẻ	ẻ	ehookabove	1EE8	Ú	Ú	Ú	Ú	Uhornacute
1EBC	Ê	Ê	Ê	Ê	Etilde	1EE9	ú	ú	ú	ú	uhornacute
1EBD	ê	ê	ê	ê	etilde	1EEA	Ù	Ù	Ù	Ù	Uhorngrave
1EBE	Ê	Ê	Ê	Ê	Ecircumflexacute	1EEB	ù	ù	ù	ù	uhorngrave
1EBF	é	é	é	é	ecircumflexacute	1EEC	Ọ̇	Ọ̇	Ọ̇	Ọ̇	Uhornhookabove
1EC0	È	È	È	È	Ecircumflexgrave	1EED	ử	ử	ử	ử	uhornhookabove
1EC1	è	è	è	è	ecircumflexgrave	1EEE	Ũ	Ũ	Ũ	Ũ	Uhorntilde
1EC2	Ẻ	Ẻ	Ẻ	Ẻ	Ecircumflexhookabove	1EEF	ũ	ũ	ũ	ũ	uhorntilde
1EC3	ẽ	ẽ	ẽ	ẽ	ecircumflexhookabove	1EF0	Ọ̇	Ọ̇	Ọ̇	Ọ̇	Uhorndotbelow
1EC4	Ẽ	Ẽ	Ẽ	Ẽ	Ecircumflextilde	1EF1	ự	ự	ự	ự	uhorndotbelow
1EC5	ẽ	ẽ	ẽ	ẽ	ecircumflextilde	1EF2	Ỳ	Ỳ	Ỳ	Ỳ	Ygrave
1EC6	Ệ	Ệ	Ệ	Ệ	Ecircumflexdotbelow	1EF3	ỳ	ỳ	ỳ	ỳ	ygrave
1EC7	ệ	ệ	ệ	ệ	ecircumflexdotbelow	1EF4	Ỳ	Ỳ	Ỳ	Ỳ	Ydotbelow
1EC8	Ỉ	Ỉ	Ỉ	Ỉ	Ihookabove	1EF5	Ȳ	Ȳ	Ȳ	Ȳ	ydotbelow
1EC9	ỉ	ỉ	ỉ	ỉ	ihookabove	1EF6	Ỳ	Ỳ	Ỳ	Ỳ	Yhookabove
1ECA	Ị	Ị	Ị	Ị	Idotbelow	1EF7	ỷ	ỷ	ỷ	ỷ	yhookabove
1ECB	ị	ị	ị	ị	idotbelow	1EF8	Ỳ	Ỳ	Ỳ	Ỳ	Ytilde
1ECC	Ọ̇	Ọ̇	Ọ̇	Ọ̇	Odotbelow	1EF9	ỹ	ỹ	ỹ	ỹ	ytilde
1ECD	ơ	ơ	ơ	ơ	odotbelow	2010	-	-	-	-	uni2010
1ECE	Ọ̇	Ọ̇	Ọ̇	Ọ̇	Ohookabove	2011	-	-	-	-	uni2011
1ECF	ỏ	ỏ	ỏ	ỏ	ohookabove	2013	-	-	-	-	endash

2014	— — — —	emdash
2016		dblverticalbar
2018	‘ ‘ ‘ ‘	quoteleft
2019	’ ’ ’ ’	quoteright
201A	, , , ,	quotesingbase
201C	“ “ “ “	quotedblleft
201D	” ” ” ”	quotedblright
201E	„ „ „ „	quotedblbase
2020	† † † †	dagger
2021	‡ ‡ ‡ ‡	daggerdbl
2022	• • • •	bullet
2026	... ... ...	ellipsis
2030	%o %o %o %o	perthousand
2031	%oo %oo %oo %oo	permyriad
2039	< < < <	guilsinglleft
203A	> > > >	guilsinglright
203B	※ ※ ※ ※	referencemark
203D	ꞑ ꞑ ꞑ ꞑ	interrobang
203F	~ ~ ~ ~	uni203F undertie
2040	˘ ˘ ˘ ˘	uni2040 tie
2044	/ / / /	fraction
2045	{ { { {	quillbracketleft
2046	} } } }	quillbracketright
2052	‰ ‰ ‰ ‰	discount
2054	˘ ˘ ˘ ˘	uni2054 undertieinverted
20A1	₡ ₡ ₡ ₡	colonmonetary
20A4	₤ ₤ ₤ ₤	lira
20A6	₦ ₦ ₦ ₦	naira
20A9	₩ ₩ ₩ ₩	won
20AB	₫ ₫ ₫ ₫	dong
20AC	€ € € €	Euro
20B1	₱ ₱ ₱ ₱	peso

2103	°C °C °C °C	centigrade
2116	№ № № №	numero
2117	© © © ©	published
211E	℞ ℞ ℞ ℞	recipe
2120	SM SM SM SM	servicemark
2122	™ ™ ™ ™	trademark
2126	Ω Ω Ω Ω	ohm
2127	℧ ℧ ℧ ℧	uni2127 mho
212E	ℰ ℰ ℰ ℰ	estimated
2190	← ← ← ←	uni2190 arrowleft
2191	↑ ↑ ↑ ↑	uni2191 arrowup
2192	→ → → →	uni2192 arrowright
2193	↓ ↓ ↓ ↓	uni2193 arrowdown
2212	— — — —	minus
2215	/ / / /	fraction.alt
2217	* * * *	asterisk.math asteriskmath
221A	√ √ √ √	radical
221E	∞ ∞ ∞ ∞	infinity
2222	∠ ∠ ∠ ∠	anglearc
2300	∅ ∅ ∅ ∅	diameter
2329	⟨ ⟨ ⟨ ⟨	angleleft
232A	⟩ ⟩ ⟩ ⟩	angleright
2422	␣ ␣ ␣ ␣	blanksymbol
2423	␣ ␣ ␣ ␣	uni2423
25E6	◦ ◦ ◦ ◦	openbullet
266A	♪ ♪ ♪ ♪	uni266A musicalnote
26AD	⋈ ⋈ ⋈ ⋈	married
26AE	⋈ ⋈ ⋈ ⋈	divorced
27E6	⌈ ⌈ ⌈ ⌈	dblbracketleft
27E7	⌋ ⌋ ⌋ ⌋	dblbracketright

## 4. Private unicodes [sc] E000 .. E061, empty

## 5. Private [ligs] unicodes E800 .. E804

E803 *fk fk fk fk* *f\_k*

## 6. Private [acc] unicodes EA00 .. EA46, see also sec. 9

EA00	ˆ ˆ ˆ ˆ	acute.cap Acute	EA03	ˆ ˆ ˆ ˆ	space_uni0306_uni0301.cap Breveacute
EA01	ˆ ˆ ˆ ˆ	uni0301.cap Acutecomb	EA04	ˆ ˆ ˆ ˆ	space_uni0306_uni0301 breveacute
EA02	˘ ˘ ˘ ˘	breve.cap Breve	EA05	˘ ˘ ˘ ˘	space_uni032E brevebelow

EA06	˘ ˘ ˘ ˘	space_uni032F brevebelowinverted	EA2A	ˆ ˆ ˆ ˆ	space_uni0308_uni0301 dieresisacute
EA07	˘ ˘ ˘	uni0306.cap Brevecomb	EA2B	ˆ ˆ ˆ ˆ	space_uni0308_uni030C.cap Dieresiscaron
EA08	˘ ˘ ˘ ˘	space_uni0306_uni0300.cap Brevegrave	EA2C	ˆ ˆ ˆ ˆ	space_uni0308_uni030C dieresiscaron
EA09	˘ ˘ ˘ ˘	space_uni0306_uni0300 brevegrave	EA2D	ˆ ˆ ˆ ˆ	uni0308.cap Dieresiscomb
EA0A	˘ ˘ ˘ ˘	space_uni0306_uni0309.cap Brevehookabove	EA2E	ˆ ˆ ˆ ˆ	space_uni0308_uni0300.cap Dieresisgrave
EA0B	˘ ˘ ˘ ˘	space_uni0306_uni0309 brevehookabove	EA2F	ˆ ˆ ˆ ˆ	space_uni0308_uni0300 dieresisgrave
EA0C	˘ ˘ ˘ ˘	space_uni0311.cap Breveinverted	EA30	˙ ˙ ˙ ˙	dotaccent.cap Dotaccent
EA0D	˘ ˘ ˘ ˘	space_uni0311 breveinverted	EA31	˙ ˙ ˙	uni0307.cap Dotaccentcomb
EA0E	˘ ˘ ˘	uni0311.cap Breveinvertedcomb	EA32	˘ ˘ ˘ ˘	grave.cap Grave
EA0F	˘ ˘ ˘ ˘	space_uni0306_uni0303.cap Brevetilde	EA33	˘ ˘ ˘	uni0300.cap Gravecomb
EA10	˘ ˘ ˘ ˘	space_uni0306_uni0303 brevetilde	EA34	˘ ˘ ˘ ˘	space_uni0309.cap Hookabove
EA11	˘ ˘ ˘ ˘	caron.cap Caron	EA35	˘ ˘ ˘ ˘	space_uni0309 hookabove
EA14	˘ ˘ ˘	uni030C.cap Caroncomb	EA36	˘ ˘ ˘	uni0309.cap Hookabovecomb
EA15	˘ ˘ ˘ ˘	circumflex.cap Circumflex	EA38	˘ ˘ ˘ ˘	hungarumlaut.cap Hungarumlaut
EA16	˘ ˘ ˘ ˘	space_uni0302_uni0301.cap Circumflexacute	EA39	˘ ˘ ˘ ˘	uni030B.cap Hungarumlautcomb
EA17	˘ ˘ ˘ ˘	space_uni0302_uni0301 circumflexacute	EA3A	˘ ˘ ˘ ˘	space_uni0332 linebelow
EA18	˘ ˘ ˘	uni0302.cap Circumflexcomb	EA3B	˘ ˘ ˘ ˘	macron.cap Macron
EA19	˘ ˘ ˘ ˘	space_uni0302_uni0300.cap Circumflexgrave	EA3C	˘ ˘ ˘ ˘	macron.cap.alt Macron.alt
EA1A	˘ ˘ ˘ ˘	space_uni0302_uni0300 circumflexgrave	EA3D	˘ ˘ ˘ ˘	macron.alt
EA1B	˘ ˘ ˘ ˘	space_uni0302_uni0309.cap Circumflexhookabove	EA3E	˘ ˘ ˘ ˘	space_uni0331 macronbelow
EA1C	˘ ˘ ˘ ˘	space_uni0302_uni0309 circumflexhookabove	EA3F	˘ ˘ ˘	uni0304.cap Macroncomb
EA1D	˘ ˘ ˘ ˘	space_uni0302_uni0303.cap Circumflextilde	EA40	˙ ˙ ˙ ˙	ring.cap Ring
EA1E	˘ ˘ ˘ ˘	space_uni0302_uni0303 circumflextilde	EA41	˙ ˙ ˙ ˙	space_uni030A_uni0301.cap Ringacute
EA1F	˙ ˙ ˙ ˙	space_uni0326 commaaccent	EA42	˙ ˙ ˙ ˙	space_uni030A_uni0301 ringacute
EA25	˘ ˘ ˘ ˘	space_uni030F.cap dblgrave	EA43	˙ ˙ ˙	uni030A.cap Ringcomb
EA26	˘ ˘ ˘ ˘	space_uni030F dblgrave	EA44	˘ ˘ ˘ ˘	tilde.cap Tilde
EA27	˘ ˘ ˘ ˘	uni030F.cap dblgravecomb	EA45	˘ ˘ ˘ ˘	space_uni0330 tildebelow
EA28	˘ ˘ ˘ ˘	dieresis.cap Dieresis	EA46	˘ ˘ ˘	uni0303.cap Tildecomb
EA29	˘ ˘ ˘ ˘	space_uni0308_uni0301.cap Dieresisacute			

## 7. Private [misc] unicodes EB00 .. uniEB7D and uniEC00 .. uniEC12

EB02	˘ ˘ ˘ ˘	acute.ts1	EB08	○ ○ ○ ○	bigcircle
EB03	Á Á Á Á	Aogonekacute	EB09	★ ★ ★ ★	star.alt born
EB04	á á á á	aogonekacute	EB0A	˘ ˘ ˘ ˘	breve.ts1

EB0D	˘ ˘ ˘ ˘	caron.ts1	EB56	ı ı ı ı	quotesinglbase.ts1
EB0F	⌚ ⌚ ⌚ ⌚	copyleft	EB57	ı ı ı ı	quotesingle.ts1
EB10		cwm	EB5A	® ® ® ®	registered.alt
EB11		cwmascender	EB5A	® ® ® ®	registered.alt varregistered
EB12		cwmcapital	EB61	˘ ˘ ˘ ˘	suppress
EB15	“ ” “ ”	dblgrave.ts1	EB63	˘ ˘ ˘ ˘	tieaccentcapital
EB16	† † † †	died	EB64	˘ ˘ ˘ ˘	tieaccentcapital.new
EB17	¨ ¨ ¨ ¨	dieresis.ts1	EB65	˘ ˘ ˘ ˘	tieaccentlowercase
EB19	. . . .	space_uni0323 dotbelow	EB66	˘ ˘ ˘ ˘	tieaccentlowercase.new
EB1E	É É É É	Eogonekacute	EB67	˘ ˘ ˘ ˘	asciitilde.low tildelow
EB1F	é é é é	eogonekacute	EB6B	— — — —	emdash.alt twelveudash
EB28	SS SS SS SS	S_s Germandbls	EB6E	Ů Ů Ů Ů	U_uni032F Ubrevebelowinverted
EB29	ı ı ı ı	gnaborretni	EB6F	u u u u	u_uni032F ubrevebelowinverted
EB2A	` ` ` `	grave.ts1	EB7E	Ĳ Ĳ Ĳ Ĳ	J_uni030C.cap J_caron
EB2B	Ꞥ Ꞥ Ꞥ Ꞥ	guarani	EC00	© © © ©	copyright.alt varcopyright
EB2E	” ” ” ”	hungarumlaut.ts1	EC01	. . . .	dotaccent.alt vardotaccent
EB2F	- - - -	hyphen.alt	EC03	ı ı ı ı	I.alt varI
EB30	- - - -	hyphen.prop	EC04	ı ı ı ı	I_J.alt varIJ
EB31	= = = =	hyphendbl	EC05	ı ı ı ı	Iogonek.alt varIogonek
EB32	= = = =	hyphendbl.alt	EC06	ĩ ĩ ĩ ĩ	imacron.alt
EB35	İ İ İ İ	Iogonekacute	EC07	İ İ İ İ	Imacron.alt
EB36	ı ı ı ı	iogonekacute	EC08	Ĥ Ĥ Ĥ Ĥ	H_uni0303 Htilde
EB3A	Ĳ Ĳ Ĳ Ĳ	Jacute	EC09	ħ ħ ħ ħ	h_uni0303 htilde
EB3B	ĵ ĵ ĵ ĵ	jacute	EC0A	Ĺ Ĺ Ĺ Ĺ	L_uni0303 Ltilde
EB40	🍃 🍃 🍃 🍃	leaf	EC0B	Ľ Ľ Ľ Ľ	l_uni0303 ltilde
EB43	— — — —	macron.ts1	EC0C	Ť Ť Ť Ť	T_uni0303 Ttilde
EB48	Ó Ó Ó Ó	Oogonekacute	EC0D	ť ť ť ť	t_uni0303 ttilde
EB49	ó ó ó ó	oogonekacute	EC0E	Ț Ț Ț Ț	T_uni0308 Tdieresis
EB4C	¶ ¶ ¶ ¶	paragraph.alt	EC10	Ø Ø Ø Ø	Orogate
EB4D	o o o o	perthousandzero	EC11	ø ø ø ø	orogate
EB50	„ „ „ „	quotedblbase.cm			
EB51	„ „ „ „	quotedblbase.cs			
EB52	“ “ “ “	quotedblbase.ts1			
EB53	“ “ “ “	quotedblleft.cm			
EB54	” ” ” ”	quotedblright.cm			
EB55	“ “ “ “	quotedblright.cs			

## 8. Private unicodes [math] ED00 .. ED7A, empty so far

## 9. Adobe Glyph List 2.00 private unicodes and Adobe Corporate Use Subarea

F638	Ø Ø Ø Ø	zero.slash	F63B	3 3 3 3	three.prop
F639	0 0 0 0	zero.prop	F63C	4 4 4 4	four.prop
F63A	2 2 2 2	two.prop	F63D	5 5 5 5	five.prop

F63E	6 6 <b>6 6</b>	six.prop	F6DC	1 1 <b>1 1</b>	one.prop
F63F	7 7 <b>7 7</b>	seven.prop	F6DE	— — — —	threequartersemdash
F640	8 8 <b>8 8</b>	eight.prop	F724	\$ \$ <b>\$ \$</b>	dollar.oldstyle
F641	9 9 <b>9 9</b>	nine.prop	F730	0 0 <b>0 0</b>	zero.oldstyle
F643	0 0 <b>0 0</b>	zero.taboldstyle	F731	1 1 <b>1 1</b>	one.oldstyle
F644	1 1 <b>1 1</b>	one.taboldstyle	F732	2 2 <b>2 2</b>	two.oldstyle
F645	2 2 <b>2 2</b>	two.taboldstyle	F733	3 3 <b>3 3</b>	three.oldstyle
F646	3 3 <b>3 3</b>	three.taboldstyle	F734	4 4 <b>4 4</b>	four.oldstyle
F647	4 4 <b>4 4</b>	four.taboldstyle	F735	5 5 <b>5 5</b>	five.oldstyle
F648	5 5 <b>5 5</b>	five.taboldstyle	F736	6 6 <b>6 6</b>	six.oldstyle
F649	6 6 <b>6 6</b>	six.taboldstyle	F737	7 7 <b>7 7</b>	seven.oldstyle
F64A	7 7 <b>7 7</b>	seven.taboldstyle	F738	8 8 <b>8 8</b>	eight.oldstyle
F64B	8 8 <b>8 8</b>	eight.taboldstyle	F739	9 9 <b>9 9</b>	nine.oldstyle
F64C	9 9 <b>9 9</b>	nine.taboldstyle	F7A2	¢ ¢ <b>¢ ¢</b>	cent.oldstyle
F6BE	J J <b>J J</b>	dotlessj			

Note: Three characters in the above table (section 7), namely, ‘varI’, ‘varIJ’, and ‘varIogonek’ (U+EC03, U+EC04, U+EC05, respectively) are available only in the fonts `lmssq8`, `lmssqbo8`, `lmssqbx8`, and `lmssqo8`.

## 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>fl</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>fl</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>ll</b>	194 xC2 <b>Â</b>	230 xE6 <b>š</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>Ă</b>	231 xE7 <b>š</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>Ä</b>	232 xE8 <b>š</b>
10 x0A <b>Ω</b>	45 x2D <b>ll</b>	80 x50 <b>P</b>	115 x73 <b>s</b>	161 xA1 <b>Ä</b>	197 xC5 <b>Ĺ</b>	233 xE9 <b>š</b>
11 x0B <b>ff</b>	46 x2E <b>ll</b>	81 x51 <b>Q</b>	116 x74 <b>tl</b>	163 xA3 <b>Ä</b>	198 xC6 <b>Ć</b>	234 xEA <b>š</b>
12 x0C <b>fi</b>	47 x2F <b>/</b>	82 x52 <b>R</b>	117 x75 <b>u</b>	164 xA4 <b>ll</b>	199 xC7 <b>Ç</b>	235 xEB <b>š</b>
13 x0D <b>fl</b>	48 x30 <b>O</b>	83 x53 <b>S</b>	118 x76 <b>v</b>	165 xA5 <b>Ä</b>	200 xC8 <b>Č</b>	236 xEC <b>š</b>
14 x0E <b>ffi</b>	49 x31 <b>I</b>	84 x54 <b>T</b>	119 x77 <b>w</b>	166 xA6 <b>Š</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>Š</b>	202 xCA <b>Ě</b>	238 xEE <b>š</b>
16 x10 <b>ll</b>	51 x33 <b>3</b>	86 x56 <b>V</b>	121 x79 <b>y</b>	169 xA9 <b>Š</b>	203 xCB <b>Ě</b>	239 xEF <b>š</b>
17 x11 <b>j</b>	52 x34 <b>4</b>	87 x57 <b>W</b>	122 x7A <b>z</b>	170 xAA <b>Š</b>	204 xCC <b>Ě</b>	240 xF0 <b>š</b>
18 x12 <b>l</b>	53 x35 <b>5</b>	88 x58 <b>X</b>	123 x7B <b>ll</b>	171 xAB <b>Š</b>	205 xCD <b>Ĺ</b>	241 xF1 <b>š</b>
19 x13 <b>l</b>	54 x36 <b>6</b>	89 x59 <b>Y</b>	124 x7C <b>ll</b>	172 xAC <b>Ž</b>	206 xCE <b>Ĺ</b>	242 xF2 <b>š</b>
20 x14 <b>ll</b>	55 x37 <b>7</b>	90 x5A <b>Z</b>	125 x7D <b>ll</b>	174 xAE <b>Ž</b>	207 xCF <b>Ĺ</b>	243 xF3 <b>š</b>
21 x15 <b>ll</b>	56 x38 <b>8</b>	91 x5B <b>ll</b>	126 x7E <b>ll</b>	175 xAF <b>Ž</b>	208 xD0 <b>Đ</b>	244 xF4 <b>š</b>
22 x16 <b>ll</b>	57 x39 <b>9</b>	92 x5C <b>ll</b>	127 x7F <b>ll</b>	176 xB0 <b>Š</b>	209 xD1 <b>Ň</b>	245 xF5 <b>š</b>
23 x17 <b>ll</b>	58 x3A <b>ll</b>	93 x5D <b>ll</b>	128 x80 <b>ll</b>	177 xB1 <b>Š</b>	210 xD2 <b>Ň</b>	246 xF6 <b>š</b>
24 x18 <b>ll</b>	59 x3B <b>ll</b>	94 x5E <b>ll</b>	129 x81 <b>ll</b>	179 xB3 <b>ll</b>	211 xD3 <b>Ó</b>	247 xF7 <b>š</b>
25 x19 <b>ll</b>	60 x3C <b>ll</b>	95 x5F <b>ll</b>	130 x82 <b>ll</b>	181 xB5 <b>ll</b>	212 xD4 <b>Ô</b>	248 xF8 <b>š</b>
26 x1A <b>æ</b>	61 x3D <b>ll</b>	96 x60 <b>ll</b>	131 x83 <b>ll</b>	182 xB6 <b>š</b>	213 xD5 <b>Ů</b>	249 xF9 <b>š</b>
27 x1B <b>œ</b>	62 x3E <b>ll</b>	97 x61 <b>a</b>	132 x84 <b>ll</b>	184 xB8 <b>š</b>	214 xD6 <b>Ö</b>	250 xFA <b>š</b>
28 x1C <b>ø</b>	63 x3F <b>ll</b>	98 x62 <b>b</b>	133 x85 <b>ll</b>	185 xB9 <b>š</b>	215 xD7 <b>×</b>	251 xFB <b>š</b>
29 x1D <b>Æ</b>	64 x40 <b>ll</b>	99 x63 <b>c</b>	134 x86 <b>ll</b>	186 xBA <b>š</b>	216 xD8 <b>Ř</b>	252 xFC <b>š</b>
30 x1E <b>Œ</b>	65 x41 <b>A</b>	100 x64 <b>d</b>	136 x88 <b>TM</b>	187 xBB <b>tl</b>	217 xD9 <b>Ů</b>	253 xFD <b>š</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>ll</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>ll</b>
33 x21 <b>ll</b>	68 x44 <b>D</b>	103 x67 <b>g</b>	141 x8D <b>%o</b>	190 xBE <b>ž</b>	220 xDC <b>Ů</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>Ÿ</b>	111 x6F <b>ı</b>	148 x94 <b>Ŧ</b>	185 xB9 <b>ž</b>	222 xDE <b>Đ</b>
1 x01 <b>ı</b>	38 x26 <b>‰</b>	75 x4B <b>Ÿ</b>	112 x70 <b>ı</b>	149 x95 <b>Ŧ</b>	186 xBA <b>ž</b>	223 xDF <b>ŠŠ</b>
2 x02 <b>ı</b>	39 x27 <b>ı</b>	76 x4C <b>Ÿ</b>	113 x71 <b>ı</b>	150 x96 <b>Ŧ</b>	187 xBB <b>ž</b>	224 xE0 <b>ı</b>
3 x03 <b>ı</b>	40 x28 <b>ı</b>	77 x4D <b>Ÿ</b>	114 x72 <b>ı</b>	151 x97 <b>Ŧ</b>	188 xBC <b>ij</b>	225 xE1 <b>ı</b>
4 x04 <b>ı</b>	41 x29 <b>ı</b>	78 x4E <b>Ÿ</b>	115 x73 <b>ı</b>	152 x98 <b>Ÿ</b>	189 xBD <b>ı</b>	226 xE2 <b>ı</b>
5 x05 <b>ı</b>	42 x2A <b>ı</b>	79 x4F <b>Ÿ</b>	116 x74 <b>ı</b>	153 x99 <b>ž</b>	190 xBE <b>ı</b>	227 xE3 <b>ı</b>
6 x06 <b>ı</b>	43 x2B <b>ı</b>	80 x50 <b>Ÿ</b>	117 x75 <b>ı</b>	154 x9A <b>ž</b>	191 xBF <b>ı</b>	228 xE4 <b>ı</b>
7 x07 <b>ı</b>	44 x2C <b>ı</b>	81 x51 <b>Ÿ</b>	118 x76 <b>ı</b>	155 x9B <b>ž</b>	192 xC0 <b>ı</b>	229 xE5 <b>ı</b>
8 x08 <b>ı</b>	45 x2D <b>ı</b>	82 x52 <b>Ÿ</b>	119 x77 <b>ı</b>	156 x9C <b>ı</b>	193 xC1 <b>ı</b>	230 xE6 <b>æ</b>
9 x09 <b>ı</b>	46 x2E <b>ı</b>	83 x53 <b>Ÿ</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>Ÿ</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>Ÿ</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>Ÿ</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>Ÿ</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>Ÿ</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>Ÿ</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>Ÿ</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>	

## Latin Modern: L7X (Lithuanian) encoding table

0 x00 ı̀	34 x22 ı̀	68 x44 Dı̀	102 x66 ı̀	149 x95 ı̀	192 xC0 Aı̀	226 xE2 aı̀
1 x01 ı́	35 x23 ı́ı́	69 x45 Eı́	103 x67 gı́	153 x99 ı́ı́	193 xC1 İı́	227 xE3 äı́
2 x02 ı̂	36 x24 \$ı̂	70 x46 Fı̂	104 x68 hı̂	156 x9C ı̂ı̂	194 xC2 Āı̂	228 xE4 äı̂
3 x03 ı̃	37 x25 %ı̃	71 x47 Gı̃	105 x69 iı̃	160 xA0 ı̃ı̃	195 xC3 Ćı̃	229 xE5 äı̃
4 x04 ı̄	38 x26 &ı̄	72 x48 Hı̄	106 x6A jı̄	162 xA2 ı̄ı̄	196 xC4 Äı̄	230 xE6 ı̄ı̄
5 x05 ı̇	39 x27 ı̇ı̇	73 x49 Iı̇	107 x6B kı̇	163 xA3 ı̇ı̇	197 xC5 Åı̇	231 xE7 ı̇ı̇
6 x06 ı̈	40 x28 ı̈ı̈	74 x4A Jı̈	108 x6C ı̈ı̈	164 xA4 ı̈ı̈	198 xC6 Ėı̈	232 xE8 ı̈ı̈
7 x07 ı̊	41 x29 ı̊ı̊	75 x4B Kı̊	109 x6D ı̊ı̊	166 xA6 ı̊ı̊	199 xC7 Ēı̊	233 xE9 ı̊ı̊
8 x08 ı̋	42 x2A *ı̋	76 x4C Lı̋	110 x6E ı̋ı̋	167 xA7 §ı̋	200 xC8 Čı̋	234 xEA ı̋ı̋
9 x09 ı̌	43 x2B ı̌ı̌	77 x4D Mı̌	111 x6F ı̌ı̌	168 xA8 Œı̌	201 xC9 Ėı̌	235 xEB ı̌ı̌
10 x0A ı̍	44 x2C ı̍ı̍	78 x4E Nı̍	112 x70 ı̍ı̍	169 xA9 ©ı̍	202 xCA Žı̍	236 xEC ı̍ı̍
11 x0B ı̎	45 x2D ı̎ı̎	79 x4F Oı̎	113 x71 ı̎ı̎	170 xAA Rı̎	203 xCB Ėı̎	237 xED ı̎ı̎
12 x0C ı̏	46 x2E ı̏ı̏	80 x50 Pı̏	114 x72 ı̏ı̏	172 xAC ı̏ı̏	204 xCC Ğı̏	238 xEE ı̏ı̏
13 x0D ı̐	47 x2F ı̐ı̐	81 x51 Qı̐	115 x73 ı̐ı̐	173 xAD ı̐ı̐	205 xCD Kı̐	239 xEF ı̐ı̐
14 x0E ı̑	48 x30 Oı̑	82 x52 Rı̑	116 x74 ı̑ı̑	174 xAE ©ı̑	206 xCE Īı̑	240 xF0 Šı̑
15 x0F ı̒	49 x31 ı̒ı̒	83 x53 Sı̒	117 x75 ı̒ı̒	175 xAF Æı̒	207 xCF Ļı̒	241 xF1 ĩı̒
16 x10 ı̓	50 x32 ı̓ı̓	84 x54 Tı̓	118 x76 ı̓ı̓	176 xB0 ı̓ı̓	208 xD0 Šı̓	242 xF2 ı̓ı̓
17 x11 ı̔	51 x33 ı̔ı̔	85 x55 Uı̔	119 x77 ı̔ı̔	177 xB1 ı̔ı̔	209 xD1 Ńı̔	243 xF3 ı̔ı̔
18 x12 ı̕	52 x34 ı̕ı̕	86 x56 Vı̕	120 x78 ı̕ı̕	178 xB2 ı̕ı̕	210 xD2 Ňı̕	244 xF4 ı̕ı̕
19 x13 ı̖	53 x35 ı̖ı̖	87 x57 Wı̖	121 x79 ı̖ı̖	181 xB5 ı̖ı̖	211 xD3 Óı̖	245 xF5 ı̖ı̖
20 x14 ı̗	54 x36 ı̗ı̗	88 x58 Xı̗	122 x7A ı̗ı̗	182 xB6 ı̗ı̗	212 xD4 Ōı̗	246 xF6 ı̗ı̗
21 x15 ı̘	55 x37 ı̘ı̘	89 x59 Yı̘	123 x7B ı̘ı̘	183 xB7 ı̘ı̘	213 xD5 Ŏı̘	247 xF7 ı̘ı̘
22 x16 ı̙	56 x38 ı̙ı̙	90 x5A Zı̙	124 x7C ı̙ı̙	184 xB8 ı̙ı̙	214 xD6 Öı̙	248 xF8 ı̙ı̙
23 x17 ı̚	57 x39 ı̚ı̚	91 x5B ı̚ı̚	125 x7D ı̚ı̚	185 xB9 ı̚ı̚	215 xD7 ×ı̚	249 xF9 ı̚ı̚
24 x18 ı̛	58 x3A ı̛ı̛	92 x5C ı̛ı̛	126 x7E ı̛ı̛	186 xBA ı̛ı̛	216 xD8 Ūı̛	250 xFA Šı̛
25 x19 ı̜	59 x3B ı̜ı̜	93 x5D ı̜ı̜	128 x80 €ı̜	188 xBC ı̜ı̜	217 xD9 Ľı̜	251 xFB ūı̜
26 x1A ı̝	60 x3C ı̝ı̝	94 x5E ı̝ı̝	131 x83 ı̝ı̝	189 xBD ı̝ı̝	218 xDA Šı̝	252 xFC üı̝
27 x1B ı̞	61 x3D ı̞ı̞	95 x5F ı̞ı̞	133 x85 ı̞ı̞	190 xBE ı̞ı̞	219 xDB Ūı̞	253 xFD ı̞ı̞
28 x1C ı̟	62 x3E ı̟ı̟	96 x60 ı̟ı̟	134 x86 ı̟ı̟	191 xBF ı̟ı̟	220 xDC Üı̟	254 xFE ı̟ı̟
29 x1D ı̠	63 x3F ı̠ı̠	97 x61 aı̠	135 x87 ı̠ı̠		221 xDD Žı̠	
30 x1E ı̡	64 x40 ı̡ı̡	98 x62 bı̡	137 x89 %ı̡		222 xDE Žı̡	
31 x1F ı̢	65 x41 Aı̢	99 x63 cı̢			223 xDF ßı̢	
32 x20 ı̣	66 x42 Bı̣	100 x64 dı̣			224 xE0 ı̣ı̣	
33 x21 ı̤	67 x43 Cı̤	101 x65 eı̤			225 xE1 ı̤ı̤	

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

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

## 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 μ	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 §	195 xC3 Ã	231 xE7 ç
14 x0E ffi	49 x31 I	85 x55 U	121 x79 y		196 xC4 Ä	232 xE8 è
15 x0F ffi	50 x32 2	86 x56 V	122 x7A z	161 xA1 a	197 xC5 Å	233 xE9 é
16 x10 u	51 x33 3	87 x57 W	123 x7B +-	162 xA2 é	198 xC6 \	234 xEA ê
17 x11 j	52 x34 4	88 x58 X	124 x7C -	163 xA3 ®	199 xC7 Ç	235 xEB ë
18 x12 '̀	53 x35 5	89 x59 Y	125 x7D '̀	164 xA4 ©	200 xC8 È	236 xEC ì
19 x13 '́	54 x36 6	90 x5A Z	126 x7E '̀	165 xA5 +-	201 xC9 É	237 xED î
20 x14 '̂	55 x37 7	91 x5B [	127 x7F '̀	166 xA6 e	202 xCA Ê	238 xEE ï
21 x15 '̃	56 x38 8	92 x5C "l	128 x80 €	167 xA7 ù	203 xCB Ë	239 xEF ï
22 x16 □	57 x39 9	93 x5D ]	129 x81 A	168 xA8 -	204 xCC Ì	240 xF0 ð
23 x17 '°	58 x3A :	94 x5E ^	130 x82 Č	169 xA9  x	205 xCD Í	241 xF1 ñ
24 x18 .	59 x3B ;	95 x5F '̀	131 x83 >	170 xAA ð	206 xCE Î	242 xF2 ò
25 x19 ß	60 x3C i	96 x60 '̀	134 x86 E	171 xAB h	207 xCF Ï	243 xF3 ó
26 x1A æ	61 x3D =	97 x61 a	135 x87 I	172 xAC ±	208 xD0 Ð	244 xF4 ô
27 x1B œ	62 x3E z	98 x62 b	136 x88 <	173 xAD ∞	209 xD1 Ñ	245 xF5 õ
28 x1C ø	63 x3F ?	99 x63 c	138 x8A L	174 xAE «	210 xD2 Ò	246 xF6 ö
29 x1D Æ	64 x40 @	100 x64 d	139 x8B N	175 xAF »	211 xD3 Ó	247 xF7 <
30 x1E Œ	65 x41 A	101 x65 e	140 x8C -	176 xB0 ¶	212 xD4 Ô	248 xF8 Ø
31 x1F Ø	66 x42 B	102 x66 f	141 x8D ^	177 xB1 š	213 xD5 Õ	249 xF9 ù
32 x20 I	67 x43 C	103 x67 g	143 x8F H	178 xB2 š	214 xD6 Ö	250 xFA ú
33 x21 II	68 x44 D	104 x68 h	144 x90 H	179 xB3 š	215 xD7 ı	251 xFB û
34 x22 '̀	69 x45 E	105 x69 i	145 x91 Š	180 xB4  •	216 xD8 %o	252 xFC ü
35 x23 ##	70 x46 F	106 x6A j	146 x92 Š	181 xB5 t	217 xD9 Ù	253 xFD ý
36 x24 \$	71 x47 G	107 x6B k	147 x93 Š	182 xB6 -	218 xDA Ú	254 xFE p
37 x25 %	72 x48 H	108 x6C l	148 x94 '̀	183 xB7 u	219 xDB Û	255 xFF ,,
	73 x49 I	109 x6D m		184 xB8 y	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 Ė	222 xDE Ÿ
1 x01 ı	38 x26 &	75 x4B K	112 x70 p	149 x95 Ē	186 xBA Ė	223 xDF Ÿ
2 x02 ı	39 x27 ı	76 x4C L	113 x71 q	150 x96 Ē	187 xBB Ė	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 [	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 ]	130 x82 Ă	167 xA7 ã	204 xCC Ó	241 xF1 o
20 x14 ı	57 x39 9	94 x5E ı	131 x83 Ā	168 xA8 ã	205 xCD Ò	242 xF2 ù
21 x15 ı	58 x3A ı	95 x5F ı	132 x84 Ă	169 xA9 ã	206 xCE Ó	243 xF3 ú
22 x16 ı	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 Ì	171 xAB ä	208 xD0 Ò	245 xF5 ù
24 x18 ı	61 x3D =	98 x62 b	135 x87 Ā	172 xAC ä	209 xD1 Ò	246 xF6 ı
25 x19 ı	62 x3E >	99 x63 c	136 x88 Ă	173 xAD ä	210 xD2 Ò	247 xF7 ı
26 x1A ı	63 x3F ı	100 x64 d	137 x89 Ă	174 xAE ä	211 xD3 Ò	248 xF8 ı
27 x1B ı	64 x40 @	101 x65 e	138 x8A Â	175 xAF ä	212 xD4 Ò	249 xF9 ı
28 x1C ı	65 x41 A	102 x66 f	139 x8B Ă	176 xB0 ä	213 xD5 Ò	250 xFA ı
29 x1D ı	66 x42 B	103 x67 g	140 x8C Ă	177 xB1 è	214 xD6 Ò	251 xFB ı
30 x1E ı	67 x43 C	104 x68 h	141 x8D Ă	178 xB2 é	215 xD7 Ò	252 xFC ı
31 x1F ı	68 x44 D	105 x69 i	142 x8E Ă	179 xB3 ë	216 xD8 Ò	253 xFD ı
32 x20 ı	69 x45 E	106 x6A j	143 x8F Ă	180 xB4 ë	217 xD9 Ò	254 xFE ı
33 x21 ı	70 x46 F	107 x6B k	144 x90 Ă	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 Ē	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  Œ
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	108 x6C  ☞	140 x8C  f	160 xA0  {	180 xB4  ´
5 x05  '"	31 x1F  I	_____	109 x6D  w	141 x8D  C	161 xA1  }	181 xB5  µ
6 x06  °	32 x20  b	60 x3C  <	110 x6E  ●	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  >	113 x71  o	144 x90  G	164 xA4  x	184 xB8  ×
9 x09  □	39 x27  "	_____	115 x73  f	145 x91  P	165 xA5  ¥	185 xB9  ¼
10 x0A  Ŧ	42 x2A  ✱	79 x4F  O	126 x7E  L	146 x92  £	166 xA6	186 xBA  Œ
11 x0B  ,	44 x2C  ,	_____	127 x7F  #	147 x93  R	167 xA7  \$	187 xBB  √
12 x0C  ,	45 x2D  ,	81 x51  O	128 x80  ˘	148 x94  ?	168 xA8  '	188 xBC  ¼
13 x0D  ,	46 x2E  ,	87 x57  Ω	129 x81  ˘	149 x95  ,	169 xA9  ©	189 xBD  ½
_____	47 x2F  /	_____	130 x82  '	150 x96  d	170 xAA  ª	190 xBE  ¾
18 x12  ,	48 x30  o	91 x5B	131 x83  '	151 x97  ™	171 xAB  ©	191 xBF  €
_____	49 x31  i	93 x5D	132 x84  Ŧ	152 x98  %od	172 xAC  —	_____
21 x15  —	50 x32  z	94 x5E  Ŧ	133 x85  Ŧ	153 x99  ¶	173 xAD  ©	214 xD6  ×
22 x16  —	51 x33  3	95 x5F  Ŧ	134 x86	154 x9A  B	174 xAE  ®	246 xF6  ÷
23 x17  I	52 x34  4	96 x60  '	135 x87  %od	155 x9B  Nº	175 xAF  □	_____
24 x18  ←	_____	_____	_____	_____	_____	_____