

B. Jackowski and J. M. Nowacki



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*.

TeX 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 TeX, 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, TeX was equipped with Computer Modern family of fonts (CM) which did not contain diacritical characters. Those few TeX users who would need accented letters were supposed to employ the `\accent` primitive. The immense popularity of TeX 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 TeX 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 TeX meeting in Bachotek, Poland, the representatives of European TeX users group, having discussed the matters on email, came up with a proposal of converting Lars Engebretsen’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 Engebretsen’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 lmb010 lmbx5 lmbx6 lmbx7 lmbx8 lmbx9 lmbx10 lmbx12 lmbxi10 lmbxo10 lmcsc10 lmcsc010
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 lmss08 lmss09 lmss010 lmss012 lmss017 lmssq8 lmssqbo8 lmssqbx8 lmssqo8 lmtcsc10
lmtcs010 lmtk10 lmtko10 lmtl10 lmtlc10 lmtlco10 lmtlo10 lmtt8 lmtt9 lmtt10 lmtt12 lmtti10 lmtto10
lmu10 lmvtk10 lmvtko10 lmvtl10 lmvvlo10 lmvtt10 lmvtto10

and 20 math fonts

lmb5y5 lmb5y7 lmb5y10 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 Viet namese 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),
- EL (European letter aka dense; el-*.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^AT_EX 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 LMRoman10-Regular

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

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

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

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

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

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

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

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

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" -> 0369 OThamburgefionst
"LMRoman10-Regular/I" -> 0369 OThamburgefionst
"LMRoman10-Regular/B" -> 0369 OThamburgefionst
"LMRoman10-Regular/BI" -> 0369 OThamburgefionst

"LMRoman10-Regular:+frac" -> ¼ ABC abcflffi
"LMRoman10-Regular:+onum" -> 0123456789 ABC abc
"LMRoman10-Regular:+tnum" -> 0123456789 ABC abc
"LMRoman10-Regular:-kern" -> WARSZAWA VAT
"LMRoman10-Regular:+zero" -> 012345 ABC abc
```

The text fonts of the Latin Modern family

(LMRoman10-Demi) lmb10 -> **0369μ OThamburgetionst**
(LMRoman10-DemiOblique) lmbo10 -> **0369μ OThamburgetionst**
(LMRoman10-Bold) lmbx10 -> **0369μ OThamburgetionst**
(LMRoman12-Bold) lmbx12 -> **0369μ OThamburgetionst**
(LMRoman5-Bold) lmbx5 -> **0369μ OThamburgetionst**
(LMRoman6-Bold) lmbx6 -> **0369μ OThamburgetionst**
(LMRoman7-Bold) lmbx7 -> **0369μ OThamburgetionst**
(LMRoman8-Bold) lmbx8 -> **0369μ OThamburgetionst**
(LMRoman9-Bold) lmbx9 -> **0369μ OThamburgetionst**
(LMRoman10-BoldItalic) lmbxi10 -> **0369μ OThamburgetionst**
(LMRoman10-BoldOblique) lmbxo10 -> **0369μ OThamburgetionst**
(LMRoman10-CapsRegular) lmcsc10 -> 0369μ OTHAMBURGETIONST
(LMRoman10-CapsOblique) lmcsc10 -> 0369μ OTHAMBURGETIONST
(LMRoman10-Dunhill) lmdunh10 -> 0369μ OThamburgetionst
(LMRoman10-DunhillOblique) lmduno10 -> 0369μ OThamburgetionst
(LMRoman10-Regular) lmr10 -> 0369μ OThamburgetionst
(LMRoman12-Regular) lmr12 -> 0369μ OThamburgetionst
(LMRoman17-Regular) lmr17 -> 0369μ OThamburgetionst
(LMRoman5-Regular) lmr5 -> 0369μ OThamburgetionst
(LMRoman6-Regular) lmr6 -> 0369μ OThamburgetionst
(LMRoman7-Regular) lmr7 -> 0369μ OThamburgetionst
(LMRoman8-Regular) lmr8 -> 0369μ OThamburgetionst
(LMRoman9-Regular) lmr9 -> 0369μ OThamburgetionst
(LMRoman10-Italic) lmri10 -> 0369μ OThamburgetionst
(LMRoman12-Italic) lmri12 -> 0369μ OThamburgetionst
(LMRoman7-Italic) lmri7 -> 0369μ OThamburgetionst
(LMRoman8-Italic) lmri8 -> 0369μ OThamburgetionst
(LMRoman9-Italic) lmri9 -> 0369μ OThamburgetionst
(LMRoman10-Oblique) lmro10 -> 0369μ OThamburgetionst
(LMRoman12-Oblique) lmro12 -> 0369μ OThamburgetionst
(LMRoman17-Oblique) lmro17 -> 0369μ OThamburgetionst
(LMRoman8-Oblique) lmro8 -> 0369μ OThamburgetionst
(LMRoman9-Oblique) lmro9 -> 0369μ OThamburgetionst
(LMSans10-Regular) lmss10 -> 0369μ OThamburgetionst
(LMSans12-Regular) lmss12 -> 0369μ OThamburgetionst
(LMSans17-Regular) lmss17 -> 0369μ OThamburgetionst
(LMSans8-Regular) lmss8 -> 0369μ OThamburgetionst
(LMSans9-Regular) lmss9 -> 0369μ OThamburgetionst
(LMSans10-BoldOblique) lmssbo10 -> **0369μ OThamburgetionst**

(LMSans10-Bold) lmsb10 -> **0369µ OThamburgefionst**
(LMSans10-DemiCondensed) lmsdc10 -> **0369µ OThamburgefionst**
(LMSans10-DemiCondensedOblique) 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*
(LMSansQuotation8-Regular) lmsq8 -> 0369µ OThamburgefionst
(LMSansQuotation8-BoldOblique) lmsqbo8 -> **0369µ OThamburgefionst**
(LMSansQuotation8-Bold) lmsqbx8 -> **0369µ OThamburgefionst**
(LMSansQuotation8-Oblique) lmsqo8 -> *0369µ OThamburgefionst*
(LMTypewriter10-CapsRegular) lmtcsc10 -> 0369µ OTHAMBURGEFIONST
(LMTypewriter10-CapsOblique) lmtcso10 -> *0369µ OTHAMBURGEFIONST*
(LMTypewriter10-Light) lmtl10 -> 0369µ OThamburgefionst
(LMTypewriter10-LightOblique) lmtlo10 -> *0369µ OThamburgefionst*
(LMTypewriter10-LightCondensed) lmtlc10 -> 0369µ OThamburgefionst
(LMTypewriter10-LightCondensedOblique) lmtlco10 -> *0369µ OThamburgefionst*
(LMTypewriter10-Dark) lmtk10 -> **0369µ OThamburgefionst**
(LMTypewriter10-DarkOblique) lmtko10 -> **0369µ OThamburgefionst**
(LMTypewriter10-Regular) lmtt10 -> 0369µ OThamburgefionst
(LMTypewriter12-Regular) lmtt12 -> 0369µ OThamburgefionst
(LMTypewriter8-Regular) lmtt8 -> 0369µ OThamburgefionst
(LMTypewriter9-Regular) lmtt9 -> 0369µ OThamburgefionst
(LMTypewriter10-Italic) lmtti10 -> *0369µ OThamburgefionst*
(LMTypewriter10-Oblique) lmtto10 -> *0369µ OThamburgefionst*
(LMRoman10-Unslanted) lmu10 -> 0369µ OThamburgefionst
(LMTypewriterVarWd10-Regular) lmvtt10 -> 0369µ OThamburgefionst
(LMTypewriterVarWd10-Oblique) lmvtto10 -> *0369µ OThamburgefionst*
(LMTypewriterVarWd10-Light) lmvttl10 -> 0369µ OThamburgefionst
(LMTypewriterVarWd10-LightOblique) lmvttlo10 -> *0369µ OThamburgefionst*
(LMTypewriterVarWd10-Dark) lmvtk10 -> **0369µ OThamburgefionst**
(LMTypewriterVarWd10-DarkOblique) lmvtko10 -> **0369µ OThamburgefionst**

The repertoire of glyphs of LMRoman10-Regular

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	ñ ñ ñ ñ	ncedilla
Æ Æ Æ Æ	AE.dup	Œ Œ Œ Œ	OE.dup
æ æ æ æ	ae.dup	œ œ œ œ	oe.dup
˘ ˘ ˘ ˘	cedilla.dup	Ø Ø Ø Ø	Oslash.dup
ˆ ˆ ˆ ˆ	circumflex.dup	ø ø ø ø	oslash.dup
¨ ¨ ¨ ¨	dieresis.dup	‘ ‘ ‘ ‘	quoteleft.dup
Ğ Ğ Ğ Ğ	Gcedilla	’ ’ ’ ’	quoteright.dup
ğ ğ ğ ğ	gcedilla	Ŕ Ŕ Ŕ Ŕ	Rcedilla
ß ß ß ß	germandbls.dup	ŕ ŕ ŕ ŕ	rcedilla
- - - -	hyphen.dup	˜ ˜ ˜ ˜	tilde.dup
Ɔ Ɔ Ɔ Ɔ	Kcedilla	© © © ©	copyright.var varcopyright
ƙ ƙ ƙ ƙ	kcedilla	· · · ·	dotaccent.var vardotaccent
Ł Ł Ł Ł	Lcedilla	® ® ® ®	registered.var varregistered
ł ł ł ł	lcedilla		
- - - -	macron.dup		
Ń Ń Ń Ń	Ncedilla		

1. Standard low unicodes 0020 .. 007E

0041	A A A A	A	0024	\$ \$ \$ \$	dollar
0061	a a a a	a	0045	E E E E	E
0026	& & & &	ampersand	0065	e e e e	e
005E	^ ^ ^ ^	asciicircum	0038	8 8 8 8	eight
007E	~ ~ ~ ~	asciitilde	003D	= = = =	equal
002A	* * * *	asterisk	0021	! ! ! !	exclam
0040	@ @ @ @	at	0046	F F F F	F
0042	B B B B	B	0066	f f f f	f
0062	b b b b	b	0035	5 5 5 5	five
005C	\ \ \ \	backslash	0034	4 4 4 4	four
007C	| / | /	bar	0047	G G G G	G
007B	{ { { {	braceleft	0067	g g g g	g
007D	} } } }	braceright	0060	` ` ` `	grave
005B	[/ [/	bracketleft	003E	> > > >	greater
005D	] / ] /	bracketright	0048	H H H H	H
0043	C C C C	C	0068	h h h h	h
0063	c c c c	c	002D	- - - -	hyphen
003A	: : : :	colon	0049	I I I I	I
002C	, , , ,	comma	0069	i i i i	i
0044	D D D D	D	004A	J J J J	J
0064	d d d d	d	006A	j j j j	j
			004B	K K K K	K

006B	k k k k	k	0072	r r r r	r
004C	L L L L	L	0053	S S S S	S
006C	l l l l	l	0073	s s s s	s
003C	< < < <	less	003B	; ; ; ;	semicolon
004D	M M M M	M	0037	7 7 7 7	seven
006D	m m m m	m	0036	6 6 6 6	six
004E	N N N N	N	002F	/ / / /	slash
006E	n n n n	n	0020		space
0039	9 9 9 9	nine	0054	T T T T	T
0023	# # # #	numbersign	0074	t t t t	t
004F	O O O O	O	0033	3 3 3 3	three
006F	o o o o	o	0032	2 2 2 2	two
0031	1 1 1 1	one	0055	U U U U	U
0050	P P P P	P	0075	u u u u	u
0070	p p p p	p	005F	— — — —	underscore
0028	( ( ( (	parenleft	0056	V V V V	V
0029	) ) ) )	parenright	0076	v v v v	v
0025	% % % %	percent	0057	W W W W	W
002E	. . . .	period	0077	w w w w	w
002B	+ + + +	plus	0058	X X X X	X
0051	Q Q Q Q	Q	0078	x x x x	x
0071	q q q q	q	0059	Y Y Y Y	Y
003F	? ? ? ?	question	0079	y y y y	y
0022	" " " "	quotedbl	005A	Z Z Z Z	Z
0027	' ' ' '	quotesingle	007A	z z z z	z
0052	R R R R	R	0030	0 0 0 0	zero

2. Standard high unicodes FB00 .. FB06

FB00	ff ff ff ff	f_f ff	FB01	fi fi fi fi	f_i fi
FB03	ffi ffi ffi ffi	f_f_i ffi	FB02	fl fl fl fl	f_l fl
FB04	ffl ffl ffl ffl	f_f_l ffl			

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

00C1	Á Á Á Á	Aacute	1EB2	Ă Ă Ă Ă	Abrevehookabove
00E1	á á á á	aaacute	1EB3	ă ă ă ă	abrevehookabove
0102	Ă Ă Ă Ă	Abreve	1EB4	Ȧ Ȧ Ȧ Ȧ	Abrevetilde
0103	ă ă ă ă	abreve	1EB5	ȧ ȧ ȧ ȧ	abrevetilde
1EAE	Ă Ă Ă Ă	Abreveacute	00C2	Â Â Â Â	Acircumflex
1EAF	ă ă ă ă	abreveacute	00E2	â â â â	acircumflex
1EB6	Ă Ă Ă Ă	Abrevedotbelow	1EA4	Ă Ă Ă Ă	Acircumflexacute
1EB7	ă ă ă ă	abrevedotbelow	1EA5	â â â â	acircumflexacute
1EB0	Ă Ă Ă Ă	Abrevegrave	1EAC	Â Â Â Â	Acircumflexdotbelow
1EB1	ă ă ă ă	abrevegrave			

1EAD	â á â á	acircumflexdotbelow	0306	˘ ˘ ˘ ˘	uni0306 brevecomb
1EA6	À Á Â Ã	Acircumflexgrave	0311	˘ ˘ ˘ ˘	uni0311 breveinvertedcomb
1EA7	à á â á	acircumflexgrave	032F	˘ ˘ ˘ ˘	uni032F breveinvertedlowcomb
1EA8	Ă Ă Ă Ă	Acircumflexhookabove	032E	˘ ˘ ˘ ˘	uni032E brevelowcomb
1EA9	ă ă ă ă	acircumflexhookabove	00A6	| / | /	brokenbar
1EAA	Ã Ã Ã Ã	Acircumflextilde	2022	• • • •	bullet
1EAB	ã ã ã ã	acircumflextilde	0106	Ć Ć Ć Ć	Cacute
00B4	´ ´ ´ ´	acute	0107	ć ć ć ć	cacute
0301	˘ ˘ ˘ ˘	uni0301 acutecomb	02C7	˘ ˘ ˘ ˘	caron
0200	À Á Â Ã	Adblgrave	030C	˘ ˘ ˘ ˘	uni030C caroncomb
0201	à ä à ä	adblgrave	010C	Č Č Č Č	Ccaron
00C4	Ä Ä Ä Ä	Adieresis	010D	č č č č	ccaron
00E4	ä ü ä ü	adieresis	00C7	Ç Ç Ç Ç	Ccedilla
1EA0	Ạ Ạ Ạ Ạ	Adotbelow	00E7	ç ç ç ç	ccedilla
1EA1	ạ ạ ạ ạ	adotbelow	0108	Ĉ Ĉ Ĉ Ĉ	Ccircumflex
00C6	Æ Æ Æ Æ	AE	0109	ĉ ĉ ĉ ĉ	ccircumflex
00E6	æ æ æ æ	ae	010A	Ċ Ċ Ċ Ċ	Cdotaccent
01FC	Ē Ē Ē Ē	AEacute	010B	ċ ċ ċ ċ	cdotaccent
01FD	é é é é	aeacute	00B8	˘ ˘ ˘ ˘	cedilla
00C0	À Á Â Ã	Agrave	00A2	¢ ¢ ¢ ¢	cent
00E0	à á â ã	agrave	2103	°C °C °C °C	centigrade
1EA2	Ả Ả Ả Ả	Ahookabove	02C6	ˆ ˆ ˆ ˆ	circumflex
1EA3	ả ả ả ả	ahookabove	0302	ˆ ˆ ˆ ˆ	uni0302 circumflexcomb
0100	Ā Ā Ā Ā	Amacron	20A1	€ € € €	colonmonetary
0101	ā ā ā ā	amacron	0326	˘ ˘ ˘ ˘	uni0326 commaaccentcomb
2222	↖ ↗ ↘ ↙	anglearc	00A9	© © © ©	copyright
2329	⟨ ⟨ ⟨ ⟨	angleleft	00A4	¤ ¤ ¤ ¤	currency
232A	⟩ ⟩ ⟩ ⟩	angleright	2020	† † † †	dagger
0104	Ą ą ą ą	Aogonek	2021	‡ ‡ ‡ ‡	daggerdbl
0105	ą ą ą ą	aogonek	27E6	⌈ ⌈ ⌈ ⌈	dblbracketleft
00C5	Å Å Å Å	Aring	27E7	⌋ ⌋ ⌋ ⌋	dblbracketright
00E5	å å å å	aring	030F	˘ ˘ ˘ ˘	uni030F dblgravecomb
01FA	Ą ą ą ą	Aringacute	2016	∥ ∥ ∥ ∥	dblverticalbar
01FB	ą ą ą ą	aringacute	010E	ǃ ǃ ǃ ǃ	Dcaron
2193	↓ ↓ ↓ ↓	uni2193 arrowdown	010F	ď ď ď ď	dcaron
2190	← ← ← ←	uni2190 arrowleft	0110	Đ Đ Đ Đ	Dcroat
2192	→ → → →	uni2192 arrowright	0111	đ đ đ đ	dcroat
2191	↑ ↑ ↑ ↑	uni2191 arrowup	1E0C	Ḑ Ḑ Ḑ Ḑ	Ddotbelow
2217	* * * *	asterisk.math asteriskmath	1E0D	ḑ ḑ ḑ ḑ	d_uni0323 ddotbelow
00C3	Ã Ã Ã Ã	Atilde	00B0	° ° ° °	degree
00E3	ã ã ã ã	atilde	0394	Δ Δ Δ Δ	Delta
0E3F	Ḃ Ḃ Ḃ Ḃ	baht	2300	∅ ∅ ∅ ∅	diameter
2422	ḃ ḃ ḃ ḃ	blanksymbol			
02D8	˘ ˘ ˘ ˘	breve			

00A8	¨ ¨ ¨ ¨	dieresis	2013	— — — —	endash
0308	¨ ¨ ¨ ¨ ¨ ¨	uni0308 dieresiscomb	014A	Đ Đ Đ Đ	Eng
2052	‰ ‰ ‰ ‰	discount	014B	ŋ ŋ ŋ ŋ	eng
00F7	÷ ÷ ÷ ÷	divide	0118	Ę Ę Ę Ę	Eogonek
26AE	o|o o|o o|o o|o	divorced	0119	ę ę ę ę	eogonek
20AB	đ đ đ đ	dong	212E	Ě Ě Ě Ě	estimated
02D9	˙ ˙ ˙ ˙	dotaccent	00D0	Ð Ð Ð Ð	Eth
0307	˙ ˙ ˙ ˙	uni0307 dotaccentcomb	00F0	ð ð ð ð	eth
0323	˙ ˙ ˙ ˙	uni0323 dotbelowcomb	1EBC	Ě Ě Ě Ě	Etilde
0131	ı ı ı ı	dotlessi	1EBD	ẽ ẽ ẽ ẽ	etilde
00C9	É É É É	Eacute	20AC	€ € € €	Euro
00E9	é é é é	eacute	00A1	¡ ¡ ¡ ¡	exclamdown
0114	Ě Ě Ě Ě	Ebreve	0192	ƒ ƒ ƒ ƒ	florin
0115	ě ě ě ě	ebreve	2044	/ / / /	fraction
011A	Ě Ě Ě Ě	Ecaron	2215	/ / / /	fraction.alt
011B	ě ě ě ě	ecaron	01F4	Ć Ć Ć Ć	Gacute
00CA	Ê Ê Ê Ê	Ecircumflex	01F5	ć ć ć ć	gacute
00EA	ê ê ê ê	ecircumflex	0393	Γ Γ Γ Γ	Gamma
1EBE	É É É É	Ecircumflexacute	011E	Ǧ Ǧ Ǧ Ǧ	Gbreve
1EBF	é é é é	ecircumflexacute	011F	ǧ ǧ ǧ ǧ	gbreve
1EC6	Ê Ê Ê Ê	Ecircumflexdotbelow	01E6	Ǧ Ǧ Ǧ Ǧ	Gcaron
1EC7	ê ê ê ê	ecircumflexdotbelow	01E7	ǧ ǧ ǧ ǧ	gcaron
1EC0	È È È È	Ecircumflexgrave	011C	Ĝ Ĝ Ĝ Ĝ	Gcircumflex
1EC1	è è è è	ecircumflexgrave	011D	ĝ ĝ ĝ ĝ	gcircumflex
1EC2	Ê Ê Ê Ê	Ecircumflexhookabove	0122	Ǧ Ǧ Ǧ Ǧ	Gcommaaccent
1EC3	ê ê ê ê	ecircumflexhookabove	0123	ǧ ǧ ǧ ǧ	gcommaaccent
1EC4	Ě Ě Ě Ě	Ecircumflextilde	0120	Ġ Ġ Ġ Ġ	Gdotaccent
1EC5	ě ě ě ě	ecircumflextilde	0121	ğ ğ ğ ğ	gdotaccent
0204	È È È È	Edblgrave	00DF	ß ß ß ß	germandbls
0205	è è è è	edblgrave	0300	˘ ˘ ˘ ˘	uni0300 gravecomb
00CB	È È È È	Edieresis	00AB	« « « «	guillemotleft
00EB	ë ë ë ë	edieresis	00BB	» » » »	guillemotright
0116	È È È È	Edotaccent	2039	‹ ‹ ‹ ‹	guilsinglleft
0117	è é é é	edotaccent	203A	› › › ›	guilsinglright
1EB8	Ę Ę Ę Ę	Edotbelow	0126	Ħ Ħ Ħ Ħ	Hbar
1EB9	ę ę ę ę	edotbelow	0127	ħ ħ ħ ħ	hbar
00C8	È È È È	Egrave	0124	Ĥ Ĥ Ĥ Ĥ	Hcircumflex
00E8	è è è è	egrave	0125	ĥ ĥ ĥ ĥ	hcircumflex
1EBA	Ê Ê Ê Ê	Ehookabove	1E24	Ḥ Ḥ Ḥ Ḥ	Hdotbelow
1EBB	ê ê ê ê	ehookabove	1E25	ḥ ḥ ḥ ḥ	hdotbelow
2026	… … … …	ellipsis	0309	ˆ ˆ ˆ ˆ	uni0309 hookabovecomb
0112	Ē Ē Ē Ē	Emacron	02DD	˝ ˝ ˝ ˝	hungarumlaut
0113	ē ē ē ē	emacron	030B	˝ ˝ ˝ ˝	uni030B hungarumlautcomb
2014	— — — —	emdash	00CD	Í Í Í Í	Iacute

00ED	í î ï ï	iacute	00AC	¬ ¬ ¬ ¬	logicalnot
012C	İ İ İ İ	Ibreve	017F	f f f f	longs
012D	ı ı ı ı	ibreve	0141	Ł Ł Ł Ł	Lslash
00CE	Î Î Î Î	Icircumflex	0142	ł ł ł ł	lslash
00EE	î î î î	icircumflex	00AF	- - - -	macron
0208	Ï Ï Ï Ï	Idblgrave	0304	- - - -	uni0304 macroncomb
0209	ì ì ì ì	idblgrave	26AD	∞ ∞ ∞ ∞	married
00CF	Ï Ï Ï Ï	Idieresis	1E42	Ṁ Ṁ Ṁ Ṁ	M_ uni0323 Mdotbelow
00EF	ï ï ï ï	idieresis	1E43	ṁ ṁ ṁ ṁ	m_ uni0323 mdotbelow
0130	İ İ İ İ	Idotaccent	2127	ʋ ʋ ʋ ʋ	uni2127 mho
1ECA	Ị Ị Ị Ị	Idotbelow	2212	- - - -	minus
1ECB	ị ị ị ị	idotbelow	00B5	μ μ μ μ	mu
00CC	Ì Ì Ì Ì	Igrave	00D7	× × × ×	multiply
00EC	ì ì ì ì	igrave	266A	♪ ♪ ♪ ♪	uni266A musicalnote
1EC8	İ İ İ İ	Ihookabove	0143	Ń Ń Ń Ń	Nacute
1EC9	ı ı ı ı	ihookabove	0144	ń ń ń ń	nacute
0132	IJ IJ IJ IJ	I J IJ	20A6	ɴ ɴ ɴ ɴ	naira
0133	ij ij ij ij	i_j ij	00A0		uni00A0 nbspspace
012A	Ī Ī Ī Ī	Iacron	0147	Ň Ň Ň Ň	Ncaron
012B	ī ī ī ī	imacron	0148	ň ň ň ň	ncaron
203D	? ? ? ?	interrobang	0145	Ŋ Ŋ Ŋ Ŋ	Ncommaaccent
012E	ı ı ı ı	Iogonek	0146	ņ ņ ņ ņ	ncommaaccent
012F	ì ì ì ì	iogonek	1E44	Ņ Ņ Ņ Ņ	N_ uni0307.cap Ndotaccent
0128	Ĭ Ĭ Ĭ Ĭ	Itilde	1E45	ņ ņ ņ ņ	n_ uni0307 ndotaccent
0129	ĩ ĩ ĩ ĩ	itilde	1E46	Ṇ Ṇ Ṇ Ṇ	N_ uni0323 Ndotbelow
0134	Ĵ Ĵ Ĵ Ĵ	Jcircumflex	1E47	ņ ņ ņ ņ	n_ uni0323 ndotbelow
0135	ĵ ĵ ĵ ĵ	jcircumflex	2116	№ № № №	affi61352 numero
0136	Ḳ Ḳ Ḳ Ḳ	Kcommaaccent	00D1	Ñ Ñ Ñ Ñ	Ntilde
0137	ķ ķ ķ ķ	kcommaaccent	00F1	ñ ñ ñ ñ	ntilde
0139	Ĺ Ĺ Ĺ Ĺ	Lacute	00D3	Ó Ó Ó Ó	Oacute
013A	ĺ ĺ ĺ ĺ	lacute	00F3	ó ó ó ó	oacute
039B	Λ Λ Λ Λ	Lambda	014E	Ŏ Ŏ Ŏ Ŏ	Obreve
013D	Ľ Ľ Ľ Ľ	Lcaron	014F	ǒ ǒ ǒ ǒ	obreve
013E	l l l l	lcaron	00D4	Ô Ô Ô Ô	Ocircumflex
013B	Ḷ Ḷ Ḷ Ḷ	Lcommaaccent	00F4	ô ô ô ô	ocircumflex
013C	l l l l	lcommaaccent	1ED0	Ô Ô Ô Ô	Ocircumflexacute
013F	Ł Ł Ł Ł	Ldot	1ED1	ô ô ô ô	ocircumflexacute
0140	ł ł ł ł	ldot	1ED8	Ô Ô Ô Ô	Ocircumflexdotbelow
1E36	Ḻ Ḻ Ḻ Ḻ	L_ uni0323 Ldotbelow	1ED9	ô ô ô ô	ocircumflexdotbelow
1E37	l l l l	l_ uni0323 l_ dotbelow	1ED2	Ò Ò Ò Ò	Ocircumflexgrave
1E38	Ḽ Ḽ Ḽ Ḽ	L_ uni0323_ uni0304.cap Ldotbelowmacron	1ED3	ò ò ò ò	ocircumflexgrave
1E39	l l l l	l_ uni0323_ uni0304 l_ dotbelowmacron	1ED4	Ỏ Ở Ở Ở	Ocircumflexhookabove
20A4	₺ ₺ ₺ ₺	lira			

1ED5	ǒ ǒ ǒ ǒ	ocircumflexhookabove	01FF	ó ó ó ó	oslashacute
1ED6	õ õ õ õ	Ocircumflextilde	00D5	Õ Õ Õ Õ	Otilde
1ED7	ö ö ö ö	ocircumflextilde	00F5	ō ō ō ō	otilde
020C	Ò Ò Ò Ò	Odblgrave	00B6	¶ ¶ ¶ ¶	paragraph
020D	ò ò ò ò	odblgrave	00B7	· · · ·	periodcentered
00D6	Ö Ö Ö Ö	Odieresis	2031	‰‰‰‰	permyriad
00F6	ö ö ö ö	odieresis	2030	‰‰‰‰	perthousand
1ECC	Ọ Ọ Ọ Ọ	Odotbelow	20B1	₱ ₱ ₱ ₱	peso
1ECD	ọ ọ ọ ọ	odotbelow	03A6	Φ Φ Φ Φ	Phi
0152	Œ Œ Œ Œ	OE	03A0	Π Π Π Π	Pi
0153	œ œ œ œ	oe	00B1	± ± ± ±	plusminus
02DB	˘ ˘ ˘ ˘	ogonek	03A8	Ψ Ψ Ψ Ψ	Psi
00D2	Ò Ò Ò Ò	Ograve	2117	Ⓢ Ⓢ Ⓢ Ⓢ	published
00F2	ò ò ò ò	ograve	00BF	¿ ¿ ¿ ¿	questiondown
2126	Ω Ω Ω Ω	ohm	2045	{ { { {	quillbracketleft
1ECE	Ǫ Ǫ Ǫ Ǫ	Ohookabove	2046	} } } }	quillbracketright
1ECF	ǫ ǫ ǫ ǫ	ohookabove	201E	” ” ” ”	quotedblbase
01A0	Ŏ Ŏ Ŏ Ŏ	Ohorn	201C	“ “ “ “	quotedblleft
01A1	ơ ơ ơ ơ	ohorn	201D	” ” ” ”	quotedblright
1EDA	Ó Ó Ó Ó	Ohornacute	2018	‘ ‘ ‘ ‘	quoteleft
1EDB	ó ó ó ó	ohornacute	2019	’ ’ ’ ’	quoteright
1EE2	Ọ Ọ Ọ Ọ	Ohorndotbelow	201A	, , , ,	quotesinglbase
1EE3	ọ ọ ọ ọ	ohorndotbelow	0154	Ŕ Ŕ Ŕ Ŕ	Racute
1EDC	Ö Ö Ö Ö	Ohorngrave	0155	í í í í	racute
1EDD	ò ò ò ò	ohorngrave	221A	√ √ √ √	radical
1EDE	Ǫ Ǫ Ǫ Ǫ	Ohornhookabove	0158	Ř Ř Ř Ř	Rcaron
1EDF	ǫ ǫ ǫ ǫ	ohornhookabove	0159	ř ř ř ř	rcaron
1EE0	Õ Õ Õ Õ	Ohorntilde	0156	Ŗ Ŗ Ŗ Ŗ	Rcommaaccent
1EE1	õ õ õ õ	ohorntilde	0157	ŗ ŗ ŗ ŗ	rcommaaccent
0150	Ő Ő Ő Ő	Ohungarumlaut	0210	Ř Ř Ř Ř	Rdblgrave
0151	ő ő ő ő	ohungarumlaut	0211	ř ř ř ř	rdblgrave
014C	Ō Ō Ō Ō	Omacron	1E58	Ŕ Ŕ Ŕ Ŕ	R_dotaccent
014D	ō ō ō ō	omacron	1E59	ŗ ŗ ŗ ŗ	r_dotaccent
03A9	Ω Ω Ω Ω	Omega	1E5A	Ŗ Ŗ Ŗ Ŗ	R_dotbelow
00BD	½ ½ ½ ½	onehalf	1E5B	ŗ ŗ ŗ ŗ	r_dotbelow
00BC	¼ ¼ ¼ ¼	onequarter	1E5C	Ř Ř Ř Ř	R_dotbelowmacron
00B9	1 1 1 1	one.superior	1E5D	ř ř ř ř	r_dotbelowmacron
01EA	Q Q Q Q	Oogonek	211E	Ŕ Ŕ Ŕ Ŕ	recipe
01EB	q q q q	oogonek	203B	※ ※ ※ ※	referencemark
25E6	◦ ◦ ◦ ◦	openbullet	00AE	® ® ® ®	registered
00AA	ª ª ª ª	ordfeminine	02DA	◦ ◦ ◦ ◦	ring
00BA	♂ ♂ ♂ ♂	ordmasculine	030A	◦ ◦ ◦ ◦	uni030A
00D8	Ø Ø Ø Ø	Oslash	015A	Ś Ś Ś Ś	ringcomb
00F8	ø ø ø ø	oslash			
01FE	Œ Œ Œ Œ	Oslashacute			

015B	ś ś ś ś	scacute	00D9	Û Û Û Û	Ugrave
0160	Š Š Š Š	Scaron	00F9	ù ù ù ù	ugrave
0161	š š š š	scaron	1EE6	Ů Ů Ů Ů	Uhookabove
015E	Ş Ş Ş Ş	Scedilla	1EE7	ű ű ű ű	uhookabove
015F	ş ş ş ş	scedilla	01AF	Ū Ū Ū Ū	Uhorn
015C	Ŝ Ŝ Ŝ Ŝ	Scircumflex	01B0	ư ư ư ư	uhorn
015D	ŝ ŝ ŝ ŝ	scircumflex	1EE8	Ú Ú Ú Ú	Uhornacute
0218	Ș Ș Ș Ș	uni0218 Scommaaccent	1EE9	ú ú ú ú	uhornacute
0219	ș ș ș ș	uni0219 scommaaccent	1EF0	Ů Ů Ů Ů	Uhorndotbelow
00A7	§ § § §	section	1EF1	ư ư ư ư	uhorndotbelow
2120	SM SM SM SM	servicemark	1EEA	Ù Ù Ù Ù	Uhorngrave
00AD	- - - -	uni00AD sfthyphen	1EEB	ù ù ù ù	uhorngrave
03A3	Σ Σ Σ Σ	Sigma	1EEC	Ů Ů Ů Ů	Uhornhookabove
00A3	£ £ £ £	sterling	1EED	ű ű ű ű	uhornhookabove
0164	Ť Ť Ť Ť	Tcaron	1EEE	Ů Ů Ů Ů	Uhorntilde
0165	ť ť ť ť	tcaron	1EEF	ř ř ř ř	uhorntilde
0162	Ț Ț Ț Ț	Tcedilla	0170	Ű Ű Ű Ű	Uhungarumlaut
0163	ț ț ț ț	tcedilla	0171	ú ú ú ú	uhungarumlaut
021A	Ț Ț Ț Ț	uni021A Tcommaaccent	016A	Ū Ū Ū Ū	Umacron
021B	ț ț ț ț	uni021B tcommaaccent	016B	ū ū ū ū	umacron
1E6C	Ț Ț Ț Ț	T uni0323 Tdotbelow	0172	Ů Ů Ů Ů	Uogonek
1E6D	ț ț ț ț	t uni0323 tdotbelow	0173	ų ų ų ų	uogonek
0398	Θ Θ Θ Θ	Theta	03A5	Υ Υ Υ Υ	Upsilon
00DE	Þ Þ Þ Þ	Thorn	016E	Ů Ů Ů Ů	Uring
00FE	þ þ þ þ	thorn	016F	ű ű ű ű	uring
00BE	¾ ¾ ¾ ¾	threequarters	0168	Ů Ů Ů Ů	Utilde
00B3	³ ³ ³ ³	three.superior	0169	ũ ã ã ã	utilde space.visible visiblespace
02DC	~ ~ ~ ~	tilde	2423	□ □ □ □	
0303	~ ~ ~ ~	uni0303 tildecomb	1E82	Ŵ Ŵ Ŵ Ŵ	Wacute
2122	TM TM TM TM	trademark	1E83	wacute	wacute
00B2	² ² ² ²	two.superior	0174	Ŷ Ŷ Ŷ Ŷ	Wcircumflex
00DA	Ú Ú Ú Ú	Uacute	0175	wcircumflex	wcircumflex
00FA	ú ú ú ú	uacute	1E84	Ŵ Ŵ Ŵ Ŵ	Wdieresis
016C	Ŭ Ŭ Ŭ Ŭ	Ubreve	1E85	wdieresis	wdieresis
016D	ű ű ű ű	ubreve	1E80	Ẁ Ẁ Ẁ Ẁ	Wgrave
00DB	Û Û Û Û	Ucircumflex	1E81	wgrave	wgrave
00FB	û û û û	ucircumflex	20A9	Ẃ Ẃ Ẃ Ẃ	won
0214	Û Û Û Û	Udblgrave	039E	Ξ Ξ Ξ Ξ	Xi
0215	ű ű ű ű	udblgrave	00DD	Ý Ý Ý Ý	Yacute
00DC	Û Û Û Û	Udieresis	00FD	ý ý ý ý	yacute
00FC	ü ü ü ü	udieresis	0176	ÿ Ÿ Ÿ Ÿ	Ycircumflex
1EE4	Ů Ů Ů Ů	Udotbelow	0177	ÿ Ÿ Ÿ Ÿ	ycircumflex
1EE5	ư ư ư ư	udotbelow	0178	ÿ Ÿ Ÿ Ÿ	Ydieresis
			00FF	ÿ Ÿ Ÿ Ÿ	ydieresis
			1EF4	Ỳ Ỳ Ỳ Ỳ	Ydotbelow

5. Private [acc] unicodes EA00 .. EAFF (actually EA00 .. EA17)

EA00	◌◌◌◌	space_uni0306_uni0301.cap Breveacute	EA0C	◌◌◌◌	space_uni0302_uni0301 circumflexacute
EA01	◌◌◌◌	space_uni0306_uni0301 breveacute	EA0D	◌◌◌◌	space_uni0302_uni0300.cap Circumflexgrave
EA02	◌◌◌◌	space_uni0306_uni0300.cap Brevegrave	EA0E	◌◌◌◌	space_uni0302_uni0300 circumflexgrave
EA03	◌◌◌◌	space_uni0306_uni0300 brevegrave	EA0F	◌◌◌◌	space_uni0302_uni0309.cap Circumflexhookabove
EA04	◌◌◌◌	space_uni0306_uni0309.cap Brevehookabove	EA10	◌◌◌◌	space_uni0302_uni0309 circumflexhookabove
EA05	◌◌◌◌	space_uni0306_uni0309 brevehookabove	EA11	◌◌◌◌	space_uni0302_uni0303.cap Circumflextilde
EA06	◌◌◌◌	space_uni0311.cap Breveinverted	EA12	◌◌◌◌	space_uni0302_uni0303 circumflextilde
EA07	◌◌◌◌	space_uni0311 breveinverted	EA13	◌◌◌◌	space_uni0309.cap Hookabove
EA08	◌◌◌◌	space_uni032F breveinvertedlow	EA14	◌◌◌◌	space_uni0309 hookabove
EA09	◌◌◌◌	space_uni0306_uni0303.cap Brevetilde	EA16	◌◌◌◌	space_uni030A_uni0301.cap Ringacute
EA0A	◌◌◌◌	space_uni0306_uni0303 brevetilde	EA17	◌◌◌◌	space_uni030A_uni0301 ringacute
EA0B	◌◌◌◌	space_uni0302_uni0301.cap Circumflexacute			

6. Private [misc] unicodes EB00 .. EBFF (actually EB00 .. EB80)

EB02	´´´´	acute.ts1	EB31	- - - -	hyphen.alt
EB03	Á Á Á Á	Aogonekacute	EB32	- - - -	hyphen.prop
EB04	á á á á	aogonekacute	EB33	= = = =	hyphendbl
EB08	○ ○ ○ ○	bigcircle	EB34	= = = =	hyphendbl.alt
EB09	★ ★ ★ ★	star.alt born	EB80	ı ı ı ı	i.TRK
EB0A	˘ ˘ ˘ ˘	breve.ts1	EB37	Í Í Í Í	Iogonekacute
EB0D	˘ ˘ ˘ ˘	caron.ts1	EB38	í í í í	iogonekacute
EB0F	☺ ☺ ☺ ☺	copyleft	EB3C	Ĵ Ĵ Ĵ Ĵ	Jacute
EB10		cwm	EB3D	ĵ ĵ ĵ ĵ	jacute
EB11		cwmascender	EB42	☞ ☞ ☞ ☞	leaf
EB12		cwmcapital	EB45	— — — —	macron.ts1
EB15	˝ ˝ ˝ ˝	dblgrave.ts1	EB4A	Ŏ Ŏ Ŏ Ŏ	Oogonekacute
EB16	† † † †	died	EB4B	ó ó ó ó	oogonekacute
EB17	¨ ¨ ¨ ¨	dieresis.ts1	EB4E	¶ ¶ ¶ ¶	paragraph.alt
EB19	. . . .	space_uni0323 dotbelow	EB4F	o o o o	perthousandzero
EB1E	Ǝ Ǝ Ǝ Ǝ	E.reversed	EB52	” ” ” ”	quotedblbase.cm
EB1F	ɐ ɐ ɐ ɐ	e.reversed	EB53	” ” ” ”	quotedblbase.cs
EB20	Ě Ě Ě Ě	Eogonekacute	EB54	“ “ “ “	quotedblbase.ts1
EB21	ě ě ě ě	eogonekacute	EB55	“ “ “ “	quotedblleft.cm
EB2A	Œ Œ Œ Œ	S_S Germandbls	EB56	” ” ” ”	quotedblright.cm
EB2B	ı ı ı ı	gnaborretni	EB57	“ “ “ “	quotedblright.cs
EB2C	˘ ˘ ˘ ˘	grave.ts1	EB58	! ! ! !	quotesinglbase.ts1
EB2D	Ĝ Ĝ Ĝ Ĝ	guarani	EB59	! ! ! !	quotesingle.ts1
EB30	˘ ˘ ˘ ˘	hungarumlaut.ts1	EB5C	® ® ® ®	registered.alt
			EB62	- - - -	suppress

EB65	˘ ˘ ˘ ˘	tieaccentcapital
EB66	˘ ˘ ˘ ˘	tieaccentcapital.new
EB67	˘ ˘ ˘ ˘	tieaccentlowercase
EB68	˘ ˘ ˘ ˘	tieaccentlowercase.new
EB69	˘ ˘ ˘ ˘	space_uni0330 tildelow

EB6D	— — — —	uni2014.alt2 twelveudash
EB70	Ū Ū Ū Ū	Ubreveinvertedlow
EB71	ū ū ū ū	ubreveinvertedlow

7. Private unicodes [math] EC00 .. E??? (actually EC00 .. EC79), empty so far

8. Other private unicodes in E000 .. F8FF

F6C9	ˆ ˆ ˆ ˆ	acute.cap Acute
E301	ˆ ˆ ˆ ˆ	uni0301.cap Acutecomb
EFEE	˘ ˘ ˘ ˘	breve.cap Breve
E306	˘ ˘ ˘ ˘	uni0306.cap Brevecomb
E311	˘ ˘ ˘ ˘	uni0311.cap Breveinvertedcomb
F6CA	˘ ˘ ˘ ˘	caron.cap Caron
E30C	˘ ˘ ˘ ˘	uni030C.cap Caroncomb
F7A2	¢ ¢ ¢ ¢	cent.oldstyle
EFF7	ˆ ˆ ˆ ˆ	circumflex.cap Circumflex
E302	ˆ ˆ ˆ ˆ	uni0302.cap Circumflexcomb
F6C3	, , , ,	commaaccent
F6D6	” ” ” ”	space_uni030F.cap dblGrave
F6D3	” ” ” ”	space_uni030F dblgrave
E30F	” ” ” ”	uni030F.cap Dblgravecomb
F6CB	¨ ¨ ¨ ¨	dieresis.cap Dieresis
E308	¨ ¨ ¨ ¨	uni0308.cap Dieresiscomb
F724	\$ \$ \$ \$	dollar.oldstyle
EFED	. . . .	dotaccent.cap Dotaccent
E307	. . . .	uni0307.cap Dotaccentcomb
F6BE	ı ı ı ı	j.dotless dotlessj
F640	8 8 8 8	eight.prop
F738	8 8 8 8	eight.oldstyle
F64B	8 8 8 8	eight.taboldstyle
E09B	fk fk fk fk	f_k
F63D	5 5 5 5	five.prop
F735	5 5 5 5	five.oldstyle
F648	5 5 5 5	five.taboldstyle
F63C	4 4 4 4	four.prop
F734	4 4 4 4	four.oldstyle

F647	4 4 4 4	four.taboldstyle
F6CE	˘ ˘ ˘ ˘	grave.cap Grave
E300	˘ ˘ ˘ ˘	uni0300.cap Gravecomb
E309	˘ ˘ ˘ ˘	uni0309.cap Hookabovecomb
F6CF	” ” ” ”	hungarumlaut.cap Hungarumlaut
E30B	” ” ” ”	uni030B.cap Hungarumlautcomb
F6D0	˘ ˘ ˘ ˘	macron.cap Macron
E304	˘ ˘ ˘ ˘	uni0304.cap Macroncomb
F641	9 9 9 9	nine.prop
F739	9 9 9 9	nine.oldstyle
F64C	9 9 9 9	nine.taboldstyle
F6DC	1 1 1 1	one.prop
F731	1 1 1 1	one.oldstyle
F644	1 1 1 1	one.taboldstyle
EFF3	° ° ° °	ring.cap Ring
E30A	° ° ° °	uni030A.cap Ringcomb
F63F	7 7 7 7	seven.prop
F737	7 7 7 7	seven.oldstyle
F64A	7 7 7 7	seven.taboldstyle
F63E	6 6 6 6	six.prop
F736	6 6 6 6	six.oldstyle
F649	6 6 6 6	six.taboldstyle
F63B	3 3 3 3	three.prop
F733	3 3 3 3	three.oldstyle
F6DE	— — — —	uni2014.alt1 threequartersemdash
F646	3 3 3 3	three.taboldstyle
EFF5	˘ ˘ ˘ ˘	tilde.cap Tilde
E303	˘ ˘ ˘ ˘	uni0303.cap Tildecomb
F63A	2 2 2 2	two.prop
F732	2 2 2 2	two.oldstyle

F645 2 2 2 2 two.taboldstyle
F639 0 0 0 0 zero.prop
F638 Q Q Q Q zero.slash

F730 0 0 0 0 zero.oldstyle
F643 0 0 0 0 zero.taboldstyle

Latin Modern: CS (CS TUG) encoding table

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

Latin Modern: EC (Cork aka T1) encoding table

0 x00 |	37 x25 |%	74 x4A |J	111 x6F |o	148 x94 |ř	185 xB9 |ž	222 xDE |Đ
1 x01 |' |	38 x26 |&z	75 x4B |K	112 x70 |p	149 x95 |ŕ	186 xBA |ž	223 xDF |ŠS
2 x02 |^ |	39 x27 |! |	76 x4C |L	113 x71 |q	150 x96 |ů	187 xBB |ž	224 xE0 |à
3 x03 |~ |	40 x28 |( |	77 x4D |M	114 x72 |r	151 x97 |ŭ	188 xBC |ij	225 xE1 |á
4 x04 |" |	41 x29 |) |	78 x4E |N	115 x73 |s	152 x98 |ŷ	189 xBD |j	226 xE2 |â
5 x05 |' |	42 x2A |* |	79 x4F |O	116 x74 |t	153 x99 |ž	190 xBE |j	227 xE3 |ã
6 x06 |° |	43 x2B |+ |	80 x50 |P	117 x75 |u	154 x9A |ž	191 xBF |ŕ	228 xE4 |ä
7 x07 |^ |	44 x2C |, |	81 x51 |Q	118 x76 |v	155 x9B |ž	192 xC0 |À	229 xE5 |å
8 x08 |^ |	45 x2D |- |	82 x52 |R	119 x77 |w	156 x9C |LJ	193 xC1 |Á	230 xE6 |æ
9 x09 |^ |	46 x2E |. |	83 x53 |S	120 x78 |x	157 x9D |I	194 xC2 |Â	231 xE7 |ç
10 x0A |^ |	47 x2F |/ |	84 x54 |T	121 x79 |y	158 x9E |đ	195 xC3 |Ã	232 xE8 |è
11 x0B |, |	48 x30 |O	85 x55 |U	122 x7A |z	159 x9F |š	196 xC4 |Ä	233 xE9 |é
12 x0C |, |	49 x31 |@	86 x56 |V	123 x7B |{	160 xA0 |ä	197 xC5 |Å	234 xEA |ê
13 x0D |, |	50 x32 |2	87 x57 |W	124 x7C ||	161 xA1 |aj	198 xC6 |Æ	235 xEB |ë
14 x0E |k |	51 x33 |3	88 x58 |X	125 x7D |} |	162 xA2 |č	199 xC7 |Ç	236 xEC |ì
15 x0F |h |	52 x34 |4	89 x59 |Y	126 x7E |~ |	163 xA3 |č	200 xC8 |È	237 xED |í
16 x10 |" |	53 x35 |5	90 x5A |Z	127 x7F |# |	164 xA4 |ď	201 xC9 |É	238 xEE |î
17 x11 |P |	54 x36 |6	91 x5B |[]	128 x80 |Ǻ	165 xA5 |č	202 xCA |Ê	239 xEF |ï
18 x12 |,, |	55 x37 |7	92 x5C |\<	129 x81 |Aǻ	166 xA6 |č	203 xCB |Ë	240 xF0 |ð
19 x13 |<< |	56 x38 |8	93 x5D |]]	130 x82 |Ć	167 xA7 |ǧ	204 xCC |Ï	241 xF1 |ñ
20 x14 |>> |	57 x39 |9	94 x5E |^ |	131 x83 |Č	168 xA8 |ř	205 xCD |Í	242 xF2 |ò
21 x15 |+ |	58 x3A |: |	95 x5F |_ |	132 x84 |Ǫ	169 xA9 |ŕ	206 xCE |Î	243 xF3 |ó
22 x16 |— |	59 x3B |; |	96 x60 |f |	133 x85 |Ǽ	170 xAA |h	207 xCF |Ï	244 xF4 |ô
23 x17 | |	60 x3C |< |	97 x61 |a'	134 x86 |Eǻ	171 xAB |í	208 xD0 |Ð	245 xF5 |õ
24 x18 |k |	61 x3D |= |	98 x62 |b	135 x87 |Ǿ	172 xAC |ñ	209 xD1 |Ñ	246 xF6 |ö
25 x19 |h |	62 x3E |> |	99 x63 |c	136 x88 |ǻ	173 xAD |ij	210 xD2 |Ò	247 xF7 |œ
26 x1A |j |	63 x3F |? |	100 x64 |d	137 x89 |L	174 xAE |ö	211 xD3 |Ó	248 xF8 |ø
27 x1B |ff	64 x40 |@	101 x65 |e	138 x8A |L	175 xAF |ř	212 xD4 |Ô	249 xF9 |ù
28 x1C |fi	65 x41 |A	102 x66 |f	139 x8B |Ň	176 xB0 |ř	213 xD5 |Õ	250 xFA |ú
29 x1D |fi	66 x42 |B	103 x67 |g	140 x8C |Ň	177 xB1 |š	214 xD6 |Ö	251 xFB |û
30 x1E |ffi	67 x43 |C	104 x68 |h	141 x8D |D	178 xB2 |š	215 xD7 |Œ	252 xFC |ü
31 x1F |ffi	68 x44 |D	105 x69 |i	142 x8E |Ö	179 xB3 |š	216 xD8 |Ø	253 xFD |ý
32 x20 |_ |	69 x45 |E	106 x6A |j	143 x8F |Ř	180 xB4 |t	217 xD9 |Ů	254 xFE |þ
33 x21 |! |	70 x46 |F	107 x6B |k	144 x90 |Ř	181 xB5 |t	218 xDA |Ú	255 xFF |ß
34 x22 |" |	71 x47 |G	108 x6C |l	145 x91 |Š	182 xB6 |ú	219 xDB |Û	
35 x23 |## |	72 x48 |H	109 x6D |m	146 x92 |Š	183 xB7 |ù	220 xDC |Ü	
36 x24 |\$ |	73 x49 |I	110 x6E |n	147 x93 |Š	184 xB8 |ÿ	221 xDD |Ý	

Latin Modern: EL (European letters) encoding table

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

Latin Modern: L7X (Lithuanian) encoding table

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

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

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

Latin Modern: QX (GUST) encoding table

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

Latin Modern: T5 (Vietnamese) encoding table

0 x00 |	37 x25 |%	74 x4A |J	111 x6F |o	148 x94 |É	185 xB9 |ẽ	222 xDE |Ý
1 x01 |' |	38 x26 |&#	75 x4B |K	112 x70 |p	149 x95 |Ê	186 xBA |ê	223 xDF |ÿ
2 x02 |^ |	39 x27 |! |	76 x4C |L	113 x71 |q	150 x96 |Ë	187 xBB |ë	224 xE0 |ı
3 x03 |_ |	40 x28 |( |	77 x4D |M	114 x72 |r	151 x97 |È	188 xBC |ì	225 xE1 |ò
4 x04 |` |	41 x29 |) |	78 x4E |N	115 x73 |s	152 x98 |É	189 xBD |í	226 xE2 |ó
5 x05 |. |	42 x2A |* |	79 x4F |O	116 x74 |t	153 x99 |Ê	190 xBE |î	227 xE3 |õ
6 x06 |° |	43 x2B |+ |	80 x50 |P	117 x75 |u	154 x9A |Ë	191 xBF |ï	228 xE4 |ö
7 x07 |~ |	44 x2C |, |	81 x51 |Q	118 x76 |v	155 x9B |Ë	192 xC0 |ï	229 xE5 |ç
8 x08 |^ |	45 x2D |- |	82 x52 |R	119 x77 |w	156 x9C |İ	193 xC1 |Ò	230 xE6 |đ
9 x09 |_ |	46 x2E |. |	83 x53 |S	120 x78 |x	157 x9D |Í	194 xC2 |Ó	231 xE7 |è
10 x0A | |	47 x2F |/ |	84 x54 |T	121 x79 |y	158 x9E |Ï	195 xC3 |Ö	232 xE8 |é
11 x0B |, |	48 x30 |0	85 x55 |U	122 x7A |z	159 x9F |Ï	196 xC4 |Ő	233 xE9 |õ
12 x0C |^ |	49 x31 |1	86 x56 |V	123 x7B |{	160 xA0 |à	197 xC5 |Œ	234 xEA |ö
13 x0D |_ |	50 x32 |2	87 x57 |W	124 x7C ||	161 xA1 |á	198 xC6 |Û	235 xEB |ç
14 x0E |k |	51 x33 |3	88 x58 |X	125 x7D |} |	162 xA2 |â	199 xC7 |Ü	236 xEC |đ
15 x0F |l |	52 x34 |4	89 x59 |Y	126 x7E |~ |	163 xA3 |ã	200 xC8 |Ý	237 xED |đ
16 x10 |^u |	53 x35 |5	90 x5A |Z	127 x7F |# |	164 xA4 |ä	201 xC9 |Û	238 xEE |đ
17 x11 |^u |	54 x36 |6	91 x5B |[]	128 x80 |À	165 xA5 |å	202 xCA |Œ	239 xEF |đ
18 x12 |, |	55 x37 |7	92 x5C |\<	129 x81 |Á	166 xA6 |ä	203 xCB |Œ	240 xF0 |đ
19 x13 |< |	56 x38 |8	93 x5D ||	130 x82 |Ă	167 xA7 |å	204 xCC |Œ	241 xF1 |đ
20 x14 |> |	57 x39 |9	94 x5E |^ |	131 x83 |Ă	168 xA8 |ä	205 xCD |Œ	242 xF2 |ù
21 x15 |^ |	58 x3A |: |	95 x5F |_ |	132 x84 |Ă	169 xA9 |ä	206 xCE |Œ	243 xF3 |ú
22 x16 |— |	59 x3B |; |	96 x60 |! |	133 x85 |Ă	170 xAA |ä	207 xCF |Œ	244 xF4 |ú
23 x17 | |	60 x3C |< |	97 x61 |a	134 x86 |Ă	171 xAB |ä	208 xD0 |Œ	245 xF5 |ú
24 x18 |d |	61 x3D |= |	98 x62 |b	135 x87 |Ă	172 xAC |ä	209 xD1 |Œ	246 xF6 |ų
25 x19 |i |	62 x3E |> |	99 x63 |c	136 x88 |Ă	173 xAD |ä	210 xD2 |Œ	247 xF7 |ư
26 x1A |^o |	63 x3F |? |	100 x64 |d	137 x89 |Ă	174 xAE |ä	211 xD3 |Œ	248 xF8 |ư
27 x1B |^o |	64 x40 |@ |	101 x65 |e	138 x8A |Ă	175 xAF |ä	212 xD4 |Œ	249 xF9 |ư
28 x1C |^o |	65 x41 |A |	102 x66 |f	139 x8B |Ă	176 xB0 |ä	213 xD5 |Œ	250 xFA |ư
29 x1D |y |	66 x42 |B |	103 x67 |g	140 x8C |Ă	177 xB1 |è	214 xD6 |Œ	251 xFB |ư
30 x1E |D |	67 x43 |C |	104 x68 |h	141 x8D |Ă	178 xB2 |é	215 xD7 |Œ	252 xFC |ư
31 x1F |đ |	68 x44 |D |	105 x69 |i	142 x8E |Ă	179 xB3 |ë	216 xD8 |Œ	253 xFD |ư
32 x20 |_ |	69 x45 |E |	106 x6A |j	143 x8F |Ă	180 xB4 |ë	217 xD9 |Œ	254 xFE |ư
33 x21 |! |	70 x46 |F |	107 x6B |k	144 x90 |Ă	181 xB5 |ç	218 xDA |Œ	255 xFF |ư
34 x22 |" |	71 x47 |G |	108 x6C |l	145 x91 |È	182 xB6 |è	219 xDB |Œ	
35 x23 |# |	72 x48 |H |	109 x6D |m	146 x92 |É	183 xB7 |è	220 xDC |Œ	
36 x24 |\$ |	73 x49 |I |	110 x6E |n	147 x93 |Ê	184 xB8 |é	221 xDD |Œ	

Latin Modern: T_EX'n'ANSI (aka LY1 aka Y&Y) encoding table

	40 x28 |(|	76 x4C |L|	112 x70 |p|	148 x94 |P|	184 xB8 |J|	220 xDC |Ü|
1 x01 |€|	41 x29 |)|	77 x4D |M|	113 x71 |q|	149 x95 |•|	185 xB9 |I|	221 xDD |Ý|
4 x04 |/|	42 x2A |*|	78 x4E |N|	114 x72 |r|	150 x96 |H|	186 xBA |P|	222 xDE |E|
5 x05 |I|	43 x2B |+|	79 x4F |O|	115 x73 |s|	151 x97 |—|	187 xBB |»|	223 xDF |B|
6 x06 |"|	44 x2C |,|	80 x50 |P|	116 x74 |t|	152 x98 |^|	188 xBC |¼|	224 xE0 |à|
7 x07 |.|	45 x2D |H|	81 x51 |Q|	117 x75 |u|	153 x99 |™|	189 xBD |½|	225 xE1 |á|
8 x08 |fi|	46 x2E |I|	82 x52 |R|	118 x76 |v|	154 x9A |š|	190 xBE |¾|	226 xE2 |â|
10 x0A |I|	47 x2F |/|	83 x53 |S|	119 x77 |w|	155 x9B |ı|	191 xBF |j|	227 xE3 |ã|
11 x0B |ff|	48 x30 |O|	84 x54 |T|	120 x78 |x|	156 x9C |œ|	192 xC0 |À|	228 xE4 |ä|
12 x0C |fi|	49 x31 |I|	85 x55 |U|	121 x79 |y|	157 x9D |ž|	193 xC1 |Á|	229 xE5 |å|
14 x0E |ffi|	50 x32 |2|	86 x56 |V|	122 x7A |z|	158 x9E |ı|	194 xC2 |Â|	230 xE6 |æ|
15 x0F |fff|	51 x33 |3|	87 x57 |W|	123 x7B |{|	159 x9F |ÿ|	195 xC3 |Ã|	231 xE7 |ç|
16 x10 |ı|	52 x34 |4|	88 x58 |X|	124 x7C |||	160 xA0 |ı|	196 xC4 |Ä|	232 xE8 |è|
17 x11 |j|	53 x35 |5|	89 x59 |Y|	125 x7D |}||	161 xA1 |ı|	197 xC5 |Å|	233 xE9 |é|
18 x12 |'|	54 x36 |6|	90 x5A |Z|	126 x7E |^|	162 xA2 |ı|	198 xC6 |Æ|	234 xEA |ê|
19 x13 |'|	55 x37 |7|	91 x5B |ı|	127 x7F |^|	163 xA3 |£|	199 xC7 |Ç|	235 xEB |ë|
20 x14 |^|	56 x38 |8|	92 x5C |^|	128 x80 |L|	164 xA4 |ı|	200 xC8 |È|	236 xEC |ì|
21 x15 |^|	57 x39 |9|	93 x5D |||	129 x81 |I|	165 xA5 |¥|	201 xC9 |É|	237 xED |í|
22 x16 |^|	58 x3A |ı|	94 x5E |^|	130 x82 |,|	166 xA6 |||	202 xCA |Ê|	238 xEE |î|
23 x17 |°|	59 x3B |;|	95 x5F |_|	131 x83 |f|	167 xA7 |§|	203 xCB |Ë|	239 xEF |ï|
24 x18 |,|	60 x3C <	96 x60 |ı|	132 x84 |,;|	168 xA8 |'|	204 xCC |İ|	240 xF0 |đ|
25 x19 |B|	61 x3D |=|	97 x61 |a|	133 x85 |...|	169 xA9 |©|	205 xCD |Í|	241 xF1 |ñ|
26 x1A |æ|	62 x3E |>|	98 x62 |b|	134 x86 |ı|	170 xAA |®|	206 xCE |Î|	242 xF2 |ò|
27 x1B |œ|	63 x3F |?|	99 x63 |c|	135 x87 |ı|	171 xAB |«|	207 xCF |Ï|	243 xF3 |ó|
28 x1C |ø|	64 x40 |@|	100 x64 |d|	136 x88 |^|	172 xAC |ı|	208 xD0 |Ð|	244 xF4 |ô|
29 x1D |Œ|	65 x41 |A|	101 x65 |e|	137 x89 |%od|	173 xAD |H|	209 xD1 |Ñ|	245 xF5 |õ|
30 x1E |Œ|	66 x42 |B|	102 x66 |f|	138 x8A |Š|	174 xAE |®|	210 xD2 |Ò|	246 xF6 |ö|
31 x1F |Ø|	67 x43 |C|	103 x67 |g|	139 x8B |k|	175 xAF |^|	211 xD3 |Ó|	247 xF7 |÷|
32 x20 |ı|	68 x44 |D|	104 x68 |h|	140 x8C |Œ|	176 xB0 |ı|	212 xD4 |Ô|	248 xF8 |ø|
33 x21 |||	69 x45 |E|	105 x69 |i|	141 x8D |Ž|	177 xB1 |ı|	213 xD5 |Õ|	249 xF9 |ù|
34 x22 |ı|	70 x46 |F|	106 x6A |j|	142 x8E |^|	178 xB2 |ı|	214 xD6 |Ö|	250 xFA |ú|
35 x23 |##|	71 x47 |G|	107 x6B |k|	143 x8F |—|	179 xB3 |ı|	215 xD7 |×|	251 xFB |û|
36 x24 |\$|	72 x48 |H|	108 x6C |l|	144 x90 |ı|	180 xB4 |^|	216 xD8 |Ø|	252 xFC |ü|
37 x25 |%|	73 x49 |I|	109 x6D |m|	145 x91 |ı|	181 xB5 |ı|	217 xD9 |Ü|	253 xFD |ý|
38 x26 |&|	74 x4A |J|	110 x6E |n|	146 x92 |ı|	182 xB6 |ı|	218 xDA |Ú|	254 xFE |þ|
39 x27 |ı|	75 x4B |K|	111 x6F |o|	147 x93 |ı|	183 xB7 |ı|	219 xDB |Û|	255 xFF |ÿ|

Latin Modern: TS1 (text companion) encoding table

0 x00 |	25 x19 |→	52 x34 |4	_____	136 x88 |•	156 x9C |%	176 xB0 |P
1 x01 |'	26 x1A |T	53 x35 |5	98 x62 |*	137 x89 |C	157 x9D |E	177 xB1 |±
2 x02 |^	27 x1B |T	54 x36 |6	99 x63 |o|o'	138 x8A |\$	158 x9E |o|	178 xB2 |P
3 x03 |^	28 x1C |^	55 x37 |7	100 x64 |H	139 x8B |c	159 x9F |SM	179 xB3 |P
4 x04 |^	29 x1D |^	56 x38 |8	_____	140 x8C |f	160 xA0 |{	180 xB4 |^
5 x05 |^	31 x1F |	57 x39 |9	108 x6C |	141 x8D |C	161 xA1 |}	181 xB5 |u'
6 x06 |°	32 x20 |b	_____	109 x6D |o'	142 x8E |W	162 xA2 |c	182 xB6 |P
7 x07 |^	_____	60 x3C |<	110 x6E |N	143 x8F |N	163 xA3 |L	183 xB7 |·|
8 x08 |^	36 x24 |\$	61 x3D |→	_____	144 x90 |G	164 xA4 |x|	184 xB8 |*|
9 x09 |^	39 x27 |H	62 x3E |>	115 x73 |f	145 x91 |P	165 xA5 |Y	185 xB9 |P
10 x0A |^	_____	_____	126 x7E |L	146 x92 |L	166 xA6 |H	186 xBA |P
11 x0B |,|	42 x2A |*|	77 x4D |U	127 x7F |#	147 x93 |R	167 xA7 |S	187 xBB |v'
12 x0C |,|	44 x2C |,|	79 x4F |O	128 x80 |^	148 x94 |P	168 xA8 |^	188 xBC |P/4
13 x0D |,|	45 x2D |H	87 x57 |O	129 x81 |^	149 x95 |,|	169 xA9 |C	189 xBD |P/2
_____	46 x2E |,|	_____	130 x82 |^	150 x96 |d	170 xAA |P	190 xBE |P/4
18 x12 |,|	47 x2F |/|	91 x5B |H	131 x83 |^	151 x97 |TM	171 xAB |C	191 xBF |E
_____	_____	_____	132 x84 |H	152 x98 |%od	172 xAC |→	_____
21 x15 |H	48 x30 |o	93 x5D |H	133 x85 |H	153 x99 |P	173 xAD |C	214 xD6 |x|
22 x16 |H	49 x31 |u|	94 x5E |^	134 x86 |H	154 x9A |B	174 xAE |C	_____
23 x17 |	50 x32 |z	95 x5F |,|	135 x87 |%od	155 x9B |N	175 xAF |^	246 xF6 |÷|
24 x18 |←	51 x33 |z	96 x60 |^	_____	_____	_____	_____