Monotype

F O N T S P L I T T E R

2020-09-10 - 07:00.01 07:00.05

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	Roboto Mono Thin	Roboto Mono Light	Roboto Mono Regular	Roboto Mono Medium	Roboto Mono Bold	Roboto Mono Thin Italic	Roboto Mono Light Italic	Roboto Mono Italic	Roboto Mono Medium Italic	Roboto Mono Bold Italic
Format (by file ending)	.ttf	.ttf	.ttf	.ttf	.ttf	.ttf	.ttf	.ttf	.ttf	.ttf
Outline Flavour (CFF or glyf table)	TTF	TTF	TTF	TTF	TTF	TTF	TTF	TTF	TTF	TTF
Number of Glyphs (maxp table)	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006
Weight Class (OS/2 table)	100	300	400	500	700	100	300	400	500	700
Width Class (OS/2 table)	5	5	5	5	5	5	5	5	5	5
Units per Em (head table)	2048	2048	2048	2048	2048	2048	2048	2048	2048	2048
Font Revision (head table)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
OS/2 Table Version	4	4	4	4	4	4	4	4	4	4
sTypeAscender (OS/2 table)	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146
sTypeDescender (OS/2 table)	-555	-555	-555	-555	-555	-555	-555	-555	-555	-555
sTypeLineGap (OS/2 table)	0	0	0	0	0	0	0	0	0	0
usWinAscent (OS/2 table)	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146
usWinDescent (OS/2 table)	555	555	555	555	555	555	555	555	555	555
Ascender (hhea table)	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146
Descender	555	555	555	555	555	555	555	555	555	555

Descender (hhea table)	-555	-555	-555	-555	-555	-555	-555	-555	-555	-555
LineGap (hhea table)	0	0	0	0	0	0	0	0	0	0
post table format (post table)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Underline Position (post table)	-150	-150	-150	-150	-150	-150	-150	-150	-150	-150
Underline Thickness (post table)	100	100	100	100	100	100	100	100	100	100
Hgo visual check underline	Hgo	Hgo	Hgo	Hgo	Hgo	Hgo	Hgo	Hgo	Hgo	Hgo
yStrikeoutPosition (OS/2 table)	512	512	512	512	512	512	512	512	512	512
yStrikeoutSize (OS/2 table)	102	102	102	102	102	102	102	102	102	102
strikeout visual check	Hgo	Hgo	Hgo	Hgo	Hgo	Hgo	Hgo	Hgo	Hgo	Hgo
Italic Flag (OS/2 table fsSelection)	False	False	False	False	False	True	True	True	True	True
Italic Angle (post table)	0.0	0.0	0.0	0.0	0.0	-10.0	-10.0	-10.0	-10.0	-10.0
Panose: Family (Value 1)	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any
Panose: Serif (Value 2)	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any

+ - Default Sample #82 #ff7 ∞ 30 L C R LR RL

hinting on

Roboto Mono Thin (ttf)

1234567890 xozszn HOZD 1/3 @ 1a ;#& ? % $ € ! In August of 2016, four unlikely collaborators in the world of type, fonts and font technology stood on a stage at the ATypI conference in Warsaw, Poland. The collaborators were Apple, Microsoft, Adobe and Google. Together they announced the publishing of OpenType 1.8, an update to the now ubiquitous font standard which was originally an amalgam of Apple & Microsoft’s TrueType, and Adobe’s PostScript font formats. The OpenType 1.8 announcement, ATypI, Warsaw, Poland, September 14, 2016.

Copyright NID0 MS (3, 1, 1033, 0)	▼	•	•	•	•	•	•	•	•	•	•

Copyright NID0 MS (3, 1, 1033, 0)	▼	•	•	•	•	•	•	•	•	•	•
Family Name NID1 MS (3, 1, 1033, 1)											
Subfamily Name NID2 MS (3, 1, 1033, 2)	▼	•	•	•	•	•	•	•	•	•	•
Unique Font ID NID3 MS (3, 1, 1033, 3)	▼	•	•	•	•	•	•	•	•	•	•
Full Name NID4 MS (3, 1, 1033, 4)	▼	•	•	•	•	•	•	•	•	•	•
Version String NID5 MS (3, 1, 1033, 5)	▼	•	•	•	•	•	•	•	•	•	•
PostScript Name NID6 MS (3, 1, 1033, 6)	▼	•	•	•	•	•	•	•	•	•	•
Trademark NID7 MS (3, 1, 1033, 7)	▼	•	•	•	•	•	•	•	•	•	•
Designer NID9 MS (3, 1, 1033, 9)	▼	•	•	•	•	•	•	•	•	•	•
Vendor URL NID11 MS (3, 1, 1033, 11)	▼	•	•	•	•	•	•	•	•	•	•
Designer URL NID12 MS (3, 1, 1033, 12)	▼	•	•	•	•	•	•	•	•	•	•
License Description NID13 MS (3, 1, 1033, 13)	▼	•	•	•	•	•	•	•	•	•	•
License Info URL NID14 MS (3, 1, 1033, 14)	▼	•	•	•	•	•	•	•	•	•	•
Typographic Family Name NID16 MS (3, 1, 1033, 16)	▼	•	•	✕	•	✕	•	•	✕	•	✕
Typographic Subfamily Name NID17 MS (3, 1, 1033, 17)	▼	•	•	✕	•	✕	•	•	✕	•	✕
Special NID Test unique first 31 char of NID 16 + 17 (MS)	▼	•	•	✕	•	✕	•	•	✕	•	✕
uni000D											
SPACE uni0020											
EXCLAMATION MARK uni0021	!	!	!	!	!	!	!	!	!	!	!
QUOTATION MARK uni0022	"	"	"	"	"	"	"	"	"	"	"
NUMBER SIGN	#	#	#	#	#	#	#	#	#	#	#

uni0023	#	#	#	#	#	#	#	#	#	#	#
DOLLAR SIGN uni0024	$	$	$	$	$	$	$	$	$	$	$
PERCENT SIGN uni0025	%	%	%	%	%	%	%	%	%	%	%
AMPERSAND uni0026	&	&	&	&	&	&	&	&	&	&	&
APOSTROPHE uni0027	'	'	'	'	'	'	'	'	'	'	'
LEFT PARENTHESIS uni0028	(	(	(	(	(	(	(	(	(	(	(
RIGHT PARENTHESIS uni0029	)	)	)	)	)	)	)	)	)	)	)
ASTERISK uni002A	*	*	*	*	*	*	*	*	*	*	*
PLUS SIGN uni002B	+	+	+	+	+	+	+	+	+	+	+
COMMA uni002C	,	,	,	,	,	,	,	,	,	,	,
HYPHEN-MINUS uni002D	-	-	-	-	-	-	-	-	-	-	-
FULL STOP uni002E	.	.	.	.	.	.	.	.	.	.	.
SOLIDUS uni002F	/	/	/	/	/	/	/	/	/	/	/
DIGIT ZERO uni0030	0	0	0	0	0	0	0	0	0	0	0
DIGIT ONE uni0031	1	1	1	1	1	1	1	1	1	1	1
DIGIT TWO uni0032	2	2	2	2	2	2	2	2	2	2	2
DIGIT THREE uni0033	3	3	3	3	3	3	3	3	3	3	3
DIGIT FOUR uni0034	4	4	4	4	4	4	4	4	4	4	4
DIGIT FIVE uni0035	5	5	5	5	5	5	5	5	5	5	5
DIGIT SIX uni0036	6	6	6	6	6	6	6	6	6	6	6
DIGIT SEVEN uni0037	7	7	7	7	7	7	7	7	7	7	7
DIGIT EIGHT uni0038	8	8	8	8	8	8	8	8	8	8	8
DIGIT NINE uni0039	9	9	9	9	9	9	9	9	9	9	9
COLON uni003A	:	:	:	:	:	:	:	:	:	:	:
SEMICOLON uni003B	;	;	;	;	;	;	;	;	;	;	;
LESS-THAN SIGN uni003C	<	<	<	<	<	<	<	<	<	<	<
EQUALS SIGN uni003D	=	=	=	=	=	=	=	=	=	=	=

GREATER-THAN SIGN uni003E	>	>	>	>	>	>	>	>	>	>	>
QUESTION MARK uni003F	?	?	?	?	?	?	?	?	?	?	?
COMMERCIAL AT uni0040	@	@	@	@	@	@	@	@	@	@	@
LATIN CAPITAL LETTER A uni0041	A	A	A	A	A	A	A	A	A	A	A
LATIN CAPITAL LETTER B uni0042	B	B	B	B	B	B	B	B	B	B	B
LATIN CAPITAL LETTER C uni0043	C	C	C	C	C	C	C	C	C	C	C
LATIN CAPITAL LETTER D uni0044	D	D	D	D	D	D	D	D	D	D	D
LATIN CAPITAL LETTER E uni0045	E	E	E	E	E	E	E	E	E	E	E
LATIN CAPITAL LETTER F uni0046	F	F	F	F	F	F	F	F	F	F	F
LATIN CAPITAL LETTER G uni0047	G	G	G	G	G	G	G	G	G	G	G
LATIN CAPITAL LETTER H uni0048	H	H	H	H	H	H	H	H	H	H	H
LATIN CAPITAL LETTER I uni0049	I	I	I	I	I	I	I	I	I	I	I
LATIN CAPITAL LETTER J uni004A	J	J	J	J	J	J	J	J	J	J	J
LATIN CAPITAL LETTER K uni004B	K	K	K	K	K	K	K	K	K	K	K
LATIN CAPITAL LETTER L uni004C	L	L	L	L	L	L	L	L	L	L	L
LATIN CAPITAL LETTER M uni004D	M	M	M	M	M	M	M	M	M	M	M
LATIN CAPITAL LETTER N uni004E	N	N	N	N	N	N	N	N	N	N	N
LATIN CAPITAL LETTER O uni004F	O	O	O	O	O	O	O	O	O	O	O
LATIN CAPITAL LETTER P uni0050	P	P	P	P	P	P	P	P	P	P	P
LATIN CAPITAL LETTER Q uni0051	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
LATIN CAPITAL LETTER R uni0052	R	R	R	R	R	R	R	R	R	R	R

LATIN CAPITAL LETTER S uni0053	S	S	S	S	S	S	S	S	S	S	S
LATIN CAPITAL LETTER T uni0054	T	T	T	T	T	T	T	T	T	T	T
LATIN CAPITAL LETTER U uni0055	U	U	U	U	U	U	U	U	U	U	U
LATIN CAPITAL LETTER V uni0056	V	V	V	V	V	V	V	V	V	V	V
LATIN CAPITAL LETTER W uni0057	W	W	W	W	W	W	W	W	W	W	W
LATIN CAPITAL LETTER X uni0058	X	X	X	X	X	X	X	X	X	X	X
LATIN CAPITAL LETTER Y uni0059	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
LATIN CAPITAL LETTER Z uni005A	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
LEFT SQUARE BRACKET uni005B	[	[	[	[	[	[	[	[	[	[	[
REVERSE SOLIDUS uni005C	\	\	\	\	\	\	\	\	\	\	\
RIGHT SQUARE BRACKET uni005D	]	]	]	]	]	]	]	]	]	]	]
CIRCUMFLEX ACCENT uni005E	^	^	^	^	^	^	^	^	^	^	^
LOW LINE uni005F	_	_	_	_	_	_	_	_	_	_	_
GRAVE ACCENT uni0060	`	`	`	`	`	`	`	`	`	`	`
LATIN SMALL LETTER A uni0061	a	a	a	a	a	a	a	a	a	a	a
LATIN SMALL LETTER B uni0062	b	b	b	b	b	b	b	b	b	b	b
LATIN SMALL LETTER C uni0063	c	c	c	c	c	c	c	c	c	c	c
LATIN SMALL LETTER D uni0064	d	d	d	d	d	d	d	d	d	d	d
LATIN SMALL LETTER E uni0065	e	e	e	e	e	e	e	e	e	e	e
LATIN SMALL LETTER F uni0066	f	f	f	f	f	f	f	f	f	f	f
LATIN SMALL LETTER G uni0067	g	g	g	g	g	g	g	g	g	g	g
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

LATIN SMALL LETTER H uni0068	h	h	h	h	h	h	h	h	h	h	h
LATIN SMALL LETTER I uni0069	i	i	i	i	i	i	i	i	i	i	i
LATIN SMALL LETTER J uni006A	j	j	j	j	j	j	j	j	j	j	j
LATIN SMALL LETTER K uni006B	k	k	k	k	k	k	k	k	k	k	k
LATIN SMALL LETTER L uni006C	l	l	l	l	l	l	l	l	l	l	l
LATIN SMALL LETTER M uni006D	m	m	m	m	m	m	m	m	m	m	m
LATIN SMALL LETTER N uni006E	n	n	n	n	n	n	n	n	n	n	n
LATIN SMALL LETTER O uni006F	o	o	o	o	o	o	o	o	o	o	o
LATIN SMALL LETTER P uni0070	p	p	p	p	p	p	p	p	p	p	p
LATIN SMALL LETTER Q uni0071	q	q	q	q	q	q	q	q	q	q	q
LATIN SMALL LETTER R uni0072	r	r	r	r	r	r	r	r	r	r	r
LATIN SMALL LETTER S uni0073	s	s	s	s	s	s	s	s	s	s	s
LATIN SMALL LETTER T uni0074	t	t	t	t	t	t	t	t	t	t	t
LATIN SMALL LETTER U uni0075	u	u	u	u	u	u	u	u	u	u	u
LATIN SMALL LETTER V uni0076	v	v	v	v	v	v	v	v	v	v	v
LATIN SMALL LETTER W uni0077	w	w	w	w	w	w	w	w	w	w	w
LATIN SMALL LETTER X uni0078	x	x	x	x	x	x	x	x	x	x	x
LATIN SMALL LETTER Y uni0079	y	y	y	y	y	y	y	y	y	y	y
LATIN SMALL LETTER Z uni007A	z	z	z	z	z	z	z	z	z	z	z
LEFT CURLY BRACKET uni007B	{	{	{	{	{	{	{	{	{	{	{
VERTICAL LINE uni007C	|	|	|	|	|	|	|	|	|	|	|

RIGHT CURLY BRACKET uni007D	}	}	}	}	}	}	}	}	}	}	}
TILDE uni007E	~	~	~	~	~	~	~	~	~	~	~
NO-BREAK SPACE uni00A0											
INVERTED EXCLAMATION MARK uni00A1	¡	¡	¡	¡	¡	¡	¡	¡	¡	¡	¡
CENT SIGN uni00A2	¢	¢	¢	¢	¢	¢	¢	¢	¢	¢	¢
POUND SIGN uni00A3	£	£	£	£	£	£	£	£	£	£	£
CURRENCY SIGN uni00A4	¤	¤	¤	¤	¤	¤	¤	¤	¤	¤	¤
YEN SIGN uni00A5	¥	¥	¥	¥	¥	¥	¥	¥	¥	¥	¥
BROKEN BAR uni00A6	¦	¦	¦	¦	¦	¦	¦	¦	¦	¦	¦
SECTION SIGN uni00A7	§	§	§	§	§	§	§	§	§	§	§
DIAERESIS uni00A8	¨	¨	¨	¨	¨	¨	¨	¨	¨	¨	¨
COPYRIGHT SIGN uni00A9	©	©	©	©	©	©	©	©	©	©	©
FEMININE ORDINAL INDICATOR uni00AA	ª	ª	ª	ª	ª	ª	ª	ª	ª	ª	ª
LEFT-POINTING DOUBLE ANGLE QUOTATION MARK uni00AB	«	«	«	«	«	«	«	«	«	«	«
NOT SIGN uni00AC	¬	¬	¬	¬	¬	¬	¬	¬	¬	¬	¬
SOFT HYPHEN uni00AD											
REGISTERED SIGN uni00AE	®	®	®	®	®	®	®	®	®	®	®
MACRON uni00AF	¯	¯	¯	¯	¯	¯	¯	¯	¯	¯	¯
DEGREE SIGN uni00B0	°	°	°	°	°	°	°	°	°	°	°
PLUS-MINUS SIGN uni00B1	±	±	±	±	±	±	±	±	±	±	±
SUPERSCRIPT TWO uni00B2	²	²	²	²	²	²	²	²	²	²	²
SUPERSCRIPT THREE uni00B3	³	³	³	³	³	³	³	³	³	³	³
ACUTE ACCENT uni00B4	´	´	´	´	´	´	´	´	´	´	´

MICRO SIGN uni00B5	µ	µ	µ	µ	µ	µ	µ	µ	µ	µ	µ
PILCROW SIGN uni00B6	¶	¶	¶	¶	¶	¶	¶	¶	¶	¶	¶
MIDDLE DOT uni00B7	·	·	·	·	·	·	·	·	·	·	·
CEDILLA uni00B8	¸	¸	¸	¸	¸	¸	¸	¸	¸	¸	¸
SUPERSCRIPT ONE uni00B9	1	1	1	1	1	1	1	1	1	1	1
MASCULINE ORDINAL INDICATOR uni00BA	º	º	º	º	º	º	º	º	º	º	º
RIGHT-POINTING DOUBLE ANGLE QUOTATION MARK uni00BB	»	»	»	»	»	»	»	»	»	»	»
VULGAR FRACTION ONE QUARTER uni00BC	¼	¼	¼	¼	¼	¼	¼	¼	¼	¼	¼
VULGAR FRACTION ONE HALF uni00BD	½	½	½	½	½	½	½	½	½	½	½
VULGAR FRACTION THREE QUARTERS uni00BE	¾	¾	¾	¾	¾	¾	¾	¾	¾	¾	¾
INVERTED QUESTION MARK uni00BF	¿	¿	¿	¿	¿	¿	¿	¿	¿	¿	¿
LATIN CAPITAL LETTER A WITH GRAVE uni00C0	À	À	À	À	À	À	À	À	À	À	À
LATIN CAPITAL LETTER A WITH ACUTE uni00C1	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
LATIN CAPITAL LETTER A WITH CIRCUMFLEX uni00C2	Â	Â	Â	Â	Â	Â	Â	Â	Â	Â	Â
LATIN CAPITAL LETTER A WITH TILDE uni00C3	Ã	Ã	Ã	Ã	Ã	Ã	Ã	Ã	Ã	Ã	Ã
LATIN CAPITAL LETTER A WITH DIAERESIS uni00C4	Ä	Ä	Ä	Ä	Ä	Ä	Ä	Ä	Ä	Ä	Ä
LATIN CAPITAL LETTER A WITH RING ABOVE uni00C5	Å	Å	Å	Å	Å	Å	Å	Å	Å	Å	Å
LATIN CAPITAL LETTER AE uni00C6	Æ	Æ	Æ	Æ	Æ	Æ	Æ	Æ	Æ	Æ	Æ
LATIN CAPITAL LETTER C WITH	Ç	Ç	Ç	Ç	Ç	Ç	Ç	Ç	Ç	Ç	Ç

CEDILLA uni00C7											
LATIN CAPITAL LETTER E WITH GRAVE uni00C8	È	È	È	È	È	È	È	È	È	È	È
LATIN CAPITAL LETTER E WITH ACUTE uni00C9	É	É	É	É	É	É	É	É	É	É	É
LATIN CAPITAL LETTER E WITH CIRCUMFLEX uni00CA	Ê	Ê	Ê	Ê	Ê	Ê	Ê	Ê	Ê	Ê	Ê
LATIN CAPITAL LETTER E WITH DIAERESIS uni00CB	Ë	Ë	Ë	Ë	Ë	Ë	Ë	Ë	Ë	Ë	Ë
LATIN CAPITAL LETTER I WITH GRAVE uni00CC	Ì	Ì	Ì	Ì	Ì	Ì	Ì	Ì	Ì	Ì	Ì
LATIN CAPITAL LETTER I WITH ACUTE uni00CD	Í	Í	Í	Í	Í	Í	Í	Í	Í	Í	Í
LATIN CAPITAL LETTER I WITH CIRCUMFLEX uni00CE	Î	Î	Î	Î	Î	Î	Î	Î	Î	Î	Î
LATIN CAPITAL LETTER I WITH DIAERESIS uni00CF	Ï	Ï	Ï	Ï	Ï	Ï	Ï	Ï	Ï	Ï	Ï
LATIN CAPITAL LETTER ETH uni00D0	Ð	Ð	Ð	Ð	Ð	Ð	Ð	Ð	Ð	Ð	Ð
LATIN CAPITAL LETTER N WITH TILDE uni00D1	Ñ	Ñ	Ñ	Ñ	Ñ	Ñ	Ñ	Ñ	Ñ	Ñ	Ñ
LATIN CAPITAL LETTER O WITH GRAVE uni00D2	Ò	Ò	Ò	Ò	Ò	Ò	Ò	Ò	Ò	Ò	Ò
LATIN CAPITAL LETTER O WITH ACUTE uni00D3	Ó	Ó	Ó	Ó	Ó	Ó	Ó	Ó	Ó	Ó	Ó
LATIN CAPITAL LETTER O WITH CIRCUMFLEX uni00D4	Ô	Ô	Ô	Ô	Ô	Ô	Ô	Ô	Ô	Ô	Ô
LATIN CAPITAL LETTER O WITH TILDE uni00D5	Õ	Õ	Õ	Õ	Õ	Õ	Õ	Õ	Õ	Õ	Õ
LATIN CAPITAL LETTER O WITH DIAERESIS uni00D6	Ö	Ö	Ö	Ö	Ö	Ö	Ö	Ö	Ö	Ö	Ö
MULTIPLICATION SIGN uni00D7	×	×	×	×	×	×	×	×	×	×	×
LATIN CAPITAL LETTER O WITH	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø

LETTER O WITH STROKE uni00D8											
LATIN CAPITAL LETTER U WITH GRAVE uni00D9	Ù	Ù	Ù	Ù	Ù	Ù	Ù	Ù	Ù	Ù	Ù
LATIN CAPITAL LETTER U WITH ACUTE uni00DA	Ú	Ú	Ú	Ú	Ú	Ú	Ú	Ú	Ú	Ú	Ú
LATIN CAPITAL LETTER U WITH CIRCUMFLEX uni00DB	Û	Û	Û	Û	Û	Û	Û	Û	Û	Û	Û
LATIN CAPITAL LETTER U WITH DIAERESIS uni00DC	Ü	Ü	Ü	Ü	Ü	Ü	Ü	Ü	Ü	Ü	Ü
LATIN CAPITAL LETTER Y WITH ACUTE uni00DD	Ý	Ý	Ý	Ý	Ý	Ý	Ý	Ý	Ý	Ý	Ý
LATIN CAPITAL LETTER THORN uni00DE	Þ	Þ	Þ	Þ	Þ	Þ	Þ	Þ	Þ	Þ	Þ
LATIN SMALL LETTER SHARP S uni00DF	ß	ß	ß	ß	ß	ß	ß	ß	ß	ß	ß
LATIN SMALL LETTER A WITH GRAVE uni00E0	à	à	à	à	à	à	à	à	à	à	à
LATIN SMALL LETTER A WITH ACUTE uni00E1	á	á	á	á	á	á	á	á	á	á	á
LATIN SMALL LETTER A WITH CIRCUMFLEX uni00E2	â	â	â	â	â	â	â	â	â	â	â
LATIN SMALL LETTER A WITH TILDE uni00E3	ã	ã	ã	ã	ã	ã	ã	ã	ã	ã	ã
LATIN SMALL LETTER A WITH DIAERESIS uni00E4	ä	ä	ä	ä	ä	ä	ä	ä	ä	ä	ä
LATIN SMALL LETTER A WITH RING ABOVE uni00E5	å	å	å	å	å	å	å	å	å	å	å
LATIN SMALL LETTER AE uni00E6	æ	æ	æ	æ	æ	æ	æ	æ	æ	æ	æ
LATIN SMALL LETTER C WITH CEDILLA uni00E7	ç	ç	ç	ç	ç	ç	ç	ç	ç	ç	ç
LATIN SMALL LETTER E WITH GRAVE uni00E8	è	è	è	è	è	è	è	è	è	è	è
LATIN SMALL LETTER E WITH	é	é	é	é	é	é	é	é	é	é	é

ACUTE uni00E9											
LATIN SMALL LETTER E WITH CIRCUMFLEX uni00EA	ê	ê	ê	ê	ê	ê	ê	ê	ê	ê	ê
LATIN SMALL LETTER E WITH DIAERESIS uni00EB	ë	ë	ë	ë	ë	ë	ë	ë	ë	ë	ë
LATIN SMALL LETTER I WITH GRAVE uni00EC	ì	ì	ì	ì	ì	ì	ì	ì	ì	ì	ì
LATIN SMALL LETTER I WITH ACUTE uni00ED	í	í	í	í	í	í	í	í	í	í	í
LATIN SMALL LETTER I WITH CIRCUMFLEX uni00EE	î	î	î	î	î	î	î	î	î	î	î
LATIN SMALL LETTER I WITH DIAERESIS uni00EF	ï	ï	ï	ï	ï	ï	ï	ï	ï	ï	ï
LATIN SMALL LETTER ETH uni00F0	ð	ð	ð	ð	ð	ð	ð	ð	ð	ð	ð
LATIN SMALL LETTER N WITH TILDE uni00F1	ñ	ñ	ñ	ñ	ñ	ñ	ñ	ñ	ñ	ñ	ñ
LATIN SMALL LETTER O WITH GRAVE uni00F2	ò	ò	ò	ò	ò	ò	ò	ò	ò	ò	ò
LATIN SMALL LETTER O WITH ACUTE uni00F3	ó	ó	ó	ó	ó	ó	ó	ó	ó	ó	ó
LATIN SMALL LETTER O WITH CIRCUMFLEX uni00F4	ô	ô	ô	ô	ô	ô	ô	ô	ô	ô	ô
LATIN SMALL LETTER O WITH TILDE uni00F5	õ	õ	õ	õ	õ	õ	õ	õ	õ	õ	õ
LATIN SMALL LETTER O WITH DIAERESIS uni00F6	ö	ö	ö	ö	ö	ö	ö	ö	ö	ö	ö
DIVISION SIGN uni00F7	÷	÷	÷	÷	÷	÷	÷	÷	÷	÷	÷
LATIN SMALL LETTER O WITH STROKE uni00F8	ø	ø	ø	ø	ø	ø	ø	ø	ø	ø	ø
LATIN SMALL LETTER U WITH GRAVE uni00F9	ù	ù	ù	ù	ù	ù	ù	ù	ù	ù	ù
LATIN SMALL LETTER U WITH ACUTE	ú	ú	ú	ú	ú	ú	ú	ú	ú	ú	ú

ACUTE uni00FA											
LATIN SMALL LETTER U WITH CIRCUMFLEX uni00FB	û	û	û	û	û	û	û	û	û	û	û
LATIN SMALL LETTER U WITH DIAERESIS uni00FC	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü
LATIN SMALL LETTER Y WITH ACUTE uni00FD	ý	ý	ý	ý	ý	ý	ý	ý	ý	ý	ý
LATIN SMALL LETTER THORN uni00FE	þ	þ	þ	þ	þ	þ	þ	þ	þ	þ	þ
LATIN SMALL LETTER Y WITH DIAERESIS uni00FF	ÿ	ÿ	ÿ	ÿ	ÿ	ÿ	ÿ	ÿ	ÿ	ÿ	ÿ
LATIN CAPITAL LETTER A WITH MACRON uni0100	Ā	Ā	Ā	Ā	Ā	Ā	Ā	Ā	Ā	Ā	Ā
LATIN SMALL LETTER A WITH MACRON uni0101	ā	ā	ā	ā	ā	ā	ā	ā	ā	ā	ā
LATIN CAPITAL LETTER A WITH BREVE uni0102	Ă	Ă	Ă	Ă	Ă	Ă	Ă	Ă	Ă	Ă	Ă
LATIN SMALL LETTER A WITH BREVE uni0103	ă	ă	ă	ă	ă	ă	ă	ă	ă	ă	ă
LATIN CAPITAL LETTER A WITH OGONEK uni0104	Ą	Ą	Ą	Ą	Ą	Ą	Ą	Ą	Ą	Ą	Ą
LATIN SMALL LETTER A WITH OGONEK uni0105	ą	ą	ą	ą	ą	ą	ą	ą	ą	ą	ą
LATIN CAPITAL LETTER C WITH ACUTE uni0106	Ć	Ć	Ć	Ć	Ć	Ć	Ć	Ć	Ć	Ć	Ć
LATIN SMALL LETTER C WITH ACUTE uni0107	ć	ć	ć	ć	ć	ć	ć	ć	ć	ć	ć
LATIN CAPITAL LETTER C WITH CIRCUMFLEX uni0108	Ĉ	Ĉ	Ĉ	Ĉ	Ĉ	Ĉ	Ĉ	Ĉ	Ĉ	Ĉ	Ĉ
LATIN SMALL LETTER C WITH CIRCUMFLEX uni0109	ĉ	ĉ	ĉ	ĉ	ĉ	ĉ	ĉ	ĉ	ĉ	ĉ	ĉ
LATIN CAPITAL LETTER C WITH DOT ABOVE uni010A	Ċ	Ċ	Ċ	Ċ	Ċ	Ċ	Ċ	Ċ	Ċ	Ċ	Ċ
LATIN SMALL	ċ	ċ	ċ	ċ	ċ	ċ	ċ	ċ	ċ	ċ	ċ

LETTER C WITH DOT ABOVE uni010B	ċ	ċ	ċ	ċ	ċ	ċ	ċ	ċ	ċ	ċ	ċ
LATIN CAPITAL LETTER C WITH CARON uni010C	Č	Č	Č	Č	Č	Č	Č	Č	Č	Č	Č
LATIN SMALL LETTER C WITH CARON uni010D	č	č	č	č	č	č	č	č	č	č	č
LATIN CAPITAL LETTER D WITH CARON uni010E	Ď	Ď	Ď	Ď	Ď	Ď	Ď	Ď	Ď	Ď	Ď
LATIN SMALL LETTER D WITH CARON uni010F	ď	ď	ď	ď	ď	ď	ď	ď	ď	ď	ď
LATIN CAPITAL LETTER D WITH STROKE uni0110	Đ	Đ	Đ	Đ	Đ	Đ	Đ	Đ	Đ	Đ	Đ
LATIN SMALL LETTER D WITH STROKE uni0111	đ	đ	đ	đ	đ	đ	đ	đ	đ	đ	đ
LATIN CAPITAL LETTER E WITH MACRON uni0112	Ē	Ē	Ē	Ē	Ē	Ē	Ē	Ē	Ē	Ē	Ē
LATIN SMALL LETTER E WITH MACRON uni0113	ē	ē	ē	ē	ē	ē	ē	ē	ē	ē	ē
LATIN CAPITAL LETTER E WITH BREVE uni0114	Ĕ	Ĕ	Ĕ	Ĕ	Ĕ	Ĕ	Ĕ	Ĕ	Ĕ	Ĕ	Ĕ
LATIN SMALL LETTER E WITH BREVE uni0115	ĕ	ĕ	ĕ	ĕ	ĕ	ĕ	ĕ	ĕ	ĕ	ĕ	ĕ
LATIN CAPITAL LETTER E WITH DOT ABOVE uni0116	Ė	Ė	Ė	Ė	Ė	Ė	Ė	Ė	Ė	Ė	Ė
LATIN SMALL LETTER E WITH DOT ABOVE uni0117	ė	ė	ė	ė	ė	ė	ė	ė	ė	ė	ė
LATIN CAPITAL LETTER E WITH OGONEK uni0118	Ę	Ę	Ę	Ę	Ę	Ę	Ę	Ę	Ę	Ę	Ę
LATIN SMALL LETTER E WITH OGONEK uni0119	ę	ę	ę	ę	ę	ę	ę	ę	ę	ę	ę
LATIN CAPITAL LETTER E WITH CARON uni011A	Ě	Ě	Ě	Ě	Ě	Ě	Ě	Ě	Ě	Ě	Ě
LATIN SMALL LETTER E WITH CARON uni011B	ě	ě	ě	ě	ě	ě	ě	ě	ě	ě	ě

uni011B

LATIN CAPITAL LETTER G WITH CIRCUMFLEX uni011C	Ĝ	Ĝ	Ĝ	Ĝ	Ĝ	Ĝ	Ĝ	Ĝ	Ĝ	Ĝ	Ĝ
LATIN SMALL LETTER G WITH CIRCUMFLEX uni011D	ĝ	ĝ	ĝ	ĝ	ĝ	ĝ	ĝ	ĝ	ĝ	ĝ	ĝ
LATIN CAPITAL LETTER G WITH BREVE uni011E	Ğ	Ğ	Ğ	Ğ	Ğ	Ğ	Ğ	Ğ	Ğ	Ğ	Ğ
LATIN SMALL LETTER G WITH BREVE uni011F	ğ	ğ	ğ	ğ	ğ	ğ	ğ	ğ	ğ	ğ	ğ
LATIN CAPITAL LETTER G WITH DOT ABOVE uni0120	Ġ	Ġ	Ġ	Ġ	Ġ	Ġ	Ġ	Ġ	Ġ	Ġ	Ġ
LATIN SMALL LETTER G WITH DOT ABOVE uni0121	ġ	ġ	ġ	ġ	ġ	ġ	ġ	ġ	ġ	ġ	ġ
LATIN CAPITAL LETTER G WITH CEDILLA uni0122	Ģ	Ģ	Ģ	Ģ	Ģ	Ģ	Ģ	Ģ	Ģ	Ģ	Ģ
LATIN SMALL LETTER G WITH CEDILLA uni0123	ģ	ģ	ģ	ģ	ģ	ģ	ģ	ģ	ģ	ģ	ģ
LATIN CAPITAL LETTER H WITH CIRCUMFLEX uni0124	Ĥ	Ĥ	Ĥ	Ĥ	Ĥ	Ĥ	Ĥ	Ĥ	Ĥ	Ĥ	Ĥ
LATIN SMALL LETTER H WITH CIRCUMFLEX uni0125	ĥ	ĥ	ĥ	ĥ	ĥ	ĥ	ĥ	ĥ	ĥ	ĥ	ĥ
LATIN CAPITAL LETTER H WITH STROKE uni0126	Ħ	Ħ	Ħ	Ħ	Ħ	Ħ	Ħ	Ħ	Ħ	Ħ	Ħ
LATIN SMALL LETTER H WITH STROKE uni0127	ħ	ħ	ħ	ħ	ħ	ħ	ħ	ħ	ħ	ħ	ħ
LATIN CAPITAL LETTER I WITH TILDE uni0128	Ĩ	Ĩ	Ĩ	Ĩ	Ĩ	Ĩ	Ĩ	Ĩ	Ĩ	Ĩ	Ĩ
LATIN SMALL LETTER I WITH TILDE uni0129	ĩ	ĩ	ĩ	ĩ	ĩ	ĩ	ĩ	ĩ	ĩ	ĩ	ĩ
LATIN CAPITAL LETTER I WITH MACRON uni012A	Ī	Ī	Ī	Ī	Ī	Ī	Ī	Ī	Ī	Ī	Ī
LATIN SMALL LETTER I WITH MACRON uni012B	ī	ī	ī	ī	ī	ī	ī	ī	ī	ī	ī
LATIN CAPITAL	Ĭ	Ĭ	Ĭ	Ĭ	Ĭ	Ĭ	Ĭ	Ĭ	Ĭ	Ĭ	Ĭ

LETTER I WITH BREVE uni012C	ĭ	ĭ	ĭ	ĭ	ĭ	ĭ	ĭ	ĭ	ĭ	ĭ
LATIN SMALL LETTER I WITH BREVE uni012D	ĭ	ĭ	ĭ	ĭ	ĭ	ĭ	ĭ	ĭ	ĭ	ĭ
LATIN CAPITAL LETTER I WITH OGONEK uni012E	ĮĮ	ĮĮ	ĮĮ	ĮĮ	ĮĮ	ĮĮ	ĮĮ	ĮĮ	ĮĮ	ĮĮ
LATIN SMALL LETTER I WITH OGONEK uni012F	ĮĮ	ĮĮ	ĮĮ	ĮĮ	ĮĮ	ĮĮ	ĮĮ	ĮĮ	ĮĮ	ĮĮ
LATIN CAPITAL LETTER I WITH DOT ABOVE uni0130	İ	İ	İ	İ	İ	İ	İ	İ	İ	İ
LATIN SMALL LETTER DOTLESS I uni0131	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı
LATIN CAPITAL LIGATURE IJ uni0132	IJ	IJ	IJ	IJ	IJ	IJ	IJ	IJ	IJ	IJ
LATIN SMALL LIGATURE IJ uni0133	ij	ij	ij	ij	ij	ij	ij	ij	ij	ij
LATIN CAPITAL LETTER J WITH CIRCUMFLEX uni0134	Ĵ	Ĵ	Ĵ	Ĵ	Ĵ	Ĵ	Ĵ	Ĵ	Ĵ	Ĵ
LATIN SMALL LETTER J WITH CIRCUMFLEX uni0135	ĵ	ĵ	ĵ	ĵ	ĵ	ĵ	ĵ	ĵ	ĵ	ĵ
LATIN CAPITAL LETTER K WITH CEDILLA uni0136	Ķ	Ķ	Ķ	Ķ	Ķ	Ķ	Ķ	Ķ	Ķ	Ķ
LATIN SMALL LETTER K WITH CEDILLA uni0137	ķ	ķ	ķ	ķ	ķ	ķ	ķ	ķ	ķ	ķ
LATIN SMALL LETTER KRA uni0138	ĸ	ĸ	ĸ	ĸ	ĸ	ĸ	ĸ	ĸ	ĸ	ĸ
LATIN CAPITAL LETTER L WITH ACUTE uni0139	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ
LATIN SMALL LETTER L WITH ACUTE uni013A	ĺ	ĺ	ĺ	ĺ	ĺ	ĺ	ĺ	ĺ	ĺ	ĺ
LATIN CAPITAL LETTER L WITH CEDILLA uni013B	Ļ	Ļ	Ļ	Ļ	Ļ	Ļ	Ļ	Ļ	Ļ	Ļ
LATIN SMALL LETTER L WITH CEDILLA uni013C	ļ	ļ	ļ	ļ	ļ	ļ	ļ	ļ	ļ	ļ
LATIN CAPITAL LETTER L WITH	Ľ	Ľ	Ľ	Ľ	Ľ	Ľ	Ľ	Ľ	Ľ	Ľ

LETTER L WITH CARON uni013D											
LATIN SMALL LETTER L WITH CARON uni013E	ľ	ľ	ľ	ľ	ľ	ľ	ľ	ľ	ľ	ľ	ľ
LATIN CAPITAL LETTER L WITH MIDDLE DOT uni013F	Ŀ	Ŀ	Ŀ	Ŀ	Ŀ	Ŀ	Ŀ	Ŀ	Ŀ	Ŀ	Ŀ
LATIN SMALL LETTER L WITH MIDDLE DOT uni0140	ŀ	ŀ	ŀ	ŀ	ŀ	ŀ	ŀ	ŀ	ŀ	ŀ	ŀ
LATIN CAPITAL LETTER L WITH STROKE uni0141	Ł	Ł	Ł	Ł	Ł	Ł	Ł	Ł	Ł	Ł	Ł
LATIN SMALL LETTER L WITH STROKE uni0142	ł	ł	ł	ł	ł	ł	ł	ł	ł	ł	ł
LATIN CAPITAL LETTER N WITH ACUTE uni0143	Ń	Ń	Ń	Ń	Ń	Ń	Ń	Ń	Ń	Ń	Ń
LATIN SMALL LETTER N WITH ACUTE uni0144	ń	ń	ń	ń	ń	ń	ń	ń	ń	ń	ń
LATIN CAPITAL LETTER N WITH CEDILLA uni0145	Ņ	Ņ	Ņ	Ņ	Ņ	Ņ	Ņ	Ņ	Ņ	Ņ	Ņ
LATIN SMALL LETTER N WITH CEDILLA uni0146	ņ	ņ	ņ	ņ	ņ	ņ	ņ	ņ	ņ	ņ	ņ
LATIN CAPITAL LETTER N WITH CARON uni0147	Ň	Ň	Ň	Ň	Ň	Ň	Ň	Ň	Ň	Ň	Ň
LATIN SMALL LETTER N WITH CARON uni0148	ň	ň	ň	ň	ň	ň	ň	ň	ň	ň	ň
LATIN SMALL LETTER N PRECEDED BY APOSTROPHE uni0149	ʼn	ʼn	ʼn	ʼn	ʼn	ʼn	ʼn	ʼn	ʼn	ʼn	ʼn
LATIN CAPITAL LETTER ENG uni014A	Ŋ	Ŋ	Ŋ	Ŋ	Ŋ	Ŋ	Ŋ	Ŋ	Ŋ	Ŋ	Ŋ
LATIN SMALL LETTER ENG uni014B	ŋ	ŋ	ŋ	ŋ	ŋ	ŋ	ŋ	ŋ	ŋ	ŋ	ŋ
LATIN CAPITAL LETTER O WITH MACRON uni014C	Ō	Ō	Ō	Ō	Ō	Ō	Ō	Ō	Ō	Ō	Ō
LATIN SMALL LETTER O WITH MACRON uni014D	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō

LATIN CAPITAL LETTER O WITH BREVE uni014E	Ŏ	Ŏ	Ŏ	Ŏ	Ŏ	Ŏ	Ŏ	Ŏ	Ŏ	Ŏ	Ŏ
LATIN SMALL LETTER O WITH BREVE uni014F	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ
LATIN CAPITAL LETTER O WITH DOUBLE ACUTE uni0150	Ő	Ő	Ő	Ő	Ő	Ő	Ő	Ő	Ő	Ő	Ő
LATIN SMALL LETTER O WITH DOUBLE ACUTE uni0151	ő	ő	ő	ő	ő	ő	ő	ő	ő	ő	ő
LATIN CAPITAL LIGATURE OE uni0152	Œ	Œ	Œ	Œ	Œ	Œ	Œ	Œ	Œ	Œ	Œ
LATIN SMALL LIGATURE OE uni0153	œ	œ	œ	œ	œ	œ	œ	œ	œ	œ	œ
LATIN CAPITAL LETTER R WITH ACUTE uni0154	Ŕ	Ŕ	Ŕ	Ŕ	Ŕ	Ŕ	Ŕ	Ŕ	Ŕ	Ŕ	Ŕ
LATIN SMALL LETTER R WITH ACUTE uni0155	ŕ	ŕ	ŕ	ŕ	ŕ	ŕ	ŕ	ŕ	ŕ	ŕ	ŕ
LATIN CAPITAL LETTER R WITH CEDILLA uni0156	Ŗ	Ŗ	Ŗ	Ŗ	Ŗ	Ŗ	Ŗ	Ŗ	Ŗ	Ŗ	Ŗ
LATIN SMALL LETTER R WITH CEDILLA uni0157	ŗ	ŗ	ŗ	ŗ	ŗ	ŗ	ŗ	ŗ	ŗ	ŗ	ŗ
LATIN CAPITAL LETTER R WITH CARON uni0158	Ř	Ř	Ř	Ř	Ř	Ř	Ř	Ř	Ř	Ř	Ř
LATIN SMALL LETTER R WITH CARON uni0159	ř	ř	ř	ř	ř	ř	ř	ř	ř	ř	ř
LATIN CAPITAL LETTER S WITH ACUTE uni015A	Ś	Ś	Ś	Ś	Ś	Ś	Ś	Ś	Ś	Ś	Ś
LATIN SMALL LETTER S WITH ACUTE uni015B	ś	ś	ś	ś	ś	ś	ś	ś	ś	ś	ś
LATIN CAPITAL LETTER S WITH CIRCUMFLEX uni015C	Ŝ	Ŝ	Ŝ	Ŝ	Ŝ	Ŝ	Ŝ	Ŝ	Ŝ	Ŝ	Ŝ
LATIN SMALL LETTER S WITH CIRCUMFLEX uni015D	ŝ	ŝ	ŝ	ŝ	ŝ	ŝ	ŝ	ŝ	ŝ	ŝ	ŝ
LATIN CAPITAL LETTER S WITH CEDILLA uni015E	Ş	Ş	Ş	Ş	Ş	Ş	Ş	Ş	Ş	Ş	Ş

LATIN SMALL LETTER S WITH CEDILLA uni015F	ş	ş	ş	ş	ş	ş	ş	ş	ş	ş	ş
LATIN CAPITAL LETTER S WITH CARON uni0160	Š	Š	Š	Š	Š	Š	Š	Š	Š	Š	Š
LATIN SMALL LETTER S WITH CARON uni0161	š	š	š	š	š	š	š	š	š	š	š
LATIN CAPITAL LETTER T WITH CEDILLA uni0162	Ţ	Ţ	Ţ	Ţ	Ţ	Ţ	Ţ	Ţ	Ţ	Ţ	Ţ
LATIN SMALL LETTER T WITH CEDILLA uni0163	ţ	ţ	ţ	ţ	ţ	ţ	ţ	ţ	ţ	ţ	ţ
LATIN CAPITAL LETTER T WITH CARON uni0164	Ť	Ť	Ť	Ť	Ť	Ť	Ť	Ť	Ť	Ť	Ť
LATIN SMALL LETTER T WITH CARON uni0165	ť	ť	ť	ť	ť	ť	ť	ť	ť	ť	ť
LATIN CAPITAL LETTER T WITH STROKE uni0166	Ŧ	Ŧ	Ŧ	Ŧ	Ŧ	Ŧ	Ŧ	Ŧ	Ŧ	Ŧ	Ŧ
LATIN SMALL LETTER T WITH STROKE uni0167	ŧ	ŧ	ŧ	ŧ	ŧ	ŧ	ŧ	ŧ	ŧ	ŧ	ŧ
LATIN CAPITAL LETTER U WITH TILDE uni0168	Ũ	Ũ	Ũ	Ũ	Ũ	Ũ	Ũ	Ũ	Ũ	Ũ	Ũ
LATIN SMALL LETTER U WITH TILDE uni0169	ũ	ũ	ũ	ũ	ũ	ũ	ũ	ũ	ũ	ũ	ũ
LATIN CAPITAL LETTER U WITH MACRON uni016A	Ū	Ū	Ū	Ū	Ū	Ū	Ū	Ū	Ū	Ū	Ū
LATIN SMALL LETTER U WITH MACRON uni016B	ū	ū	ū	ū	ū	ū	ū	ū	ū	ū	ū
LATIN CAPITAL LETTER U WITH BREVE uni016C	Ŭ	Ŭ	Ŭ	Ŭ	Ŭ	Ŭ	Ŭ	Ŭ	Ŭ	Ŭ	Ŭ
LATIN SMALL LETTER U WITH BREVE uni016D	ŭ	ŭ	ŭ	ŭ	ŭ	ŭ	ŭ	ŭ	ŭ	ŭ	ŭ
LATIN CAPITAL LETTER U WITH RING ABOVE uni016E	Ů	Ů	Ů	Ů	Ů	Ů	Ů	Ů	Ů	Ů	Ů
LATIN SMALL LETTER U WITH	ů	ů	ů	ů	ů	ů	ů	ů	ů	ů	ů

RING ABOVE uni016F											
LATIN CAPITAL LETTER U WITH DOUBLE ACUTE uni0170	Ű	Ű	Ű	Ű	Ű	Ű	Ű	Ű	Ű	Ű	Ű
LATIN SMALL LETTER U WITH DOUBLE ACUTE uni0171	ű	ű	ű	ű	ű	ű	ű	ű	ű	ű	ű
LATIN CAPITAL LETTER U WITH OGONEK uni0172	Ų	Ų	Ų	Ų	Ų	Ų	Ų	Ų	Ų	Ų	Ų
LATIN SMALL LETTER U WITH OGONEK uni0173	ų	ų	ų	ų	ų	ų	ų	ų	ų	ų	ų
LATIN CAPITAL LETTER W WITH CIRCUMFLEX uni0174	Ŵ	Ŵ	Ŵ	Ŵ	Ŵ	Ŵ	Ŵ	Ŵ	Ŵ	Ŵ	Ŵ
LATIN SMALL LETTER W WITH CIRCUMFLEX uni0175	ŵ	ŵ	ŵ	ŵ	ŵ	ŵ	ŵ	ŵ	ŵ	ŵ	ŵ
LATIN CAPITAL LETTER Y WITH CIRCUMFLEX uni0176	Ŷ	Ŷ	Ŷ	Ŷ	Ŷ	Ŷ	Ŷ	Ŷ	Ŷ	Ŷ	Ŷ
LATIN SMALL LETTER Y WITH CIRCUMFLEX uni0177	ŷ	ŷ	ŷ	ŷ	ŷ	ŷ	ŷ	ŷ	ŷ	ŷ	ŷ
LATIN CAPITAL LETTER Y WITH DIAERESIS uni0178	Ÿ	Ÿ	Ÿ	Ÿ	Ÿ	Ÿ	Ÿ	Ÿ	Ÿ	Ÿ	Ÿ
LATIN CAPITAL LETTER Z WITH ACUTE uni0179	Ź	Ź	Ź	Ź	Ź	Ź	Ź	Ź	Ź	Ź	Ź
LATIN SMALL LETTER Z WITH ACUTE uni017A	ź	ź	ź	ź	ź	ź	ź	ź	ź	ź	ź
LATIN CAPITAL LETTER Z WITH DOT ABOVE uni017B	Ż	Ż	Ż	Ż	Ż	Ż	Ż	Ż	Ż	Ż	Ż
LATIN SMALL LETTER Z WITH DOT ABOVE uni017C	ż	ż	ż	ż	ż	ż	ż	ż	ż	ż	ż
LATIN CAPITAL LETTER Z WITH CARON uni017D	Ž	Ž	Ž	Ž	Ž	Ž	Ž	Ž	Ž	Ž	Ž
LATIN SMALL LETTER Z WITH CARON uni017E	ž	ž	ž	ž	ž	ž	ž	ž	ž	ž	ž
LATIN SMALL LETTER LONG S uni017F	ſ	ſ	ſ	ſ	ſ	ſ	ſ	ſ	ſ	ſ	ſ
LATIN SMALL	ƒ	ƒ	ƒ	ƒ	ƒ	ƒ	ƒ	ƒ	ƒ	ƒ	ƒ

LATIN SMALL LETTER F WITH HOOK uni0192	ƒ	ƒ	ƒ	ƒ	ƒ	ƒ	ƒ	ƒ	ƒ	ƒ	ƒ
LATIN CAPITAL LETTER O WITH HORN uni01A0	Ơ	Ơ	Ơ	Ơ	Ơ	Ơ	Ơ	Ơ	Ơ	Ơ	Ơ
LATIN SMALL LETTER O WITH HORN uni01A1	ơ	ơ	ơ	ơ	ơ	ơ	ơ	ơ	ơ	ơ	ơ
LATIN CAPITAL LETTER U WITH HORN uni01AF	Ư	Ư	Ư	Ư	Ư	Ư	Ư	Ư	Ư	Ư	Ư
LATIN SMALL LETTER U WITH HORN uni01B0	ư	ư	ư	ư	ư	ư	ư	ư	ư	ư	ư
LATIN SMALL LETTER J WITH CARON uni01F0	ǰ	ǰ	ǰ	ǰ	ǰ	ǰ	ǰ	ǰ	ǰ	ǰ	ǰ
LATIN CAPITAL LETTER A WITH RING ABOVE AND ACUTE uni01FA	Ǻ	Ǻ	Ǻ	Ǻ	Ǻ	Ǻ	Ǻ	Ǻ	Ǻ	Ǻ	Ǻ
LATIN SMALL LETTER A WITH RING ABOVE AND ACUTE uni01FB	ǻ	ǻ	ǻ	ǻ	ǻ	ǻ	ǻ	ǻ	ǻ	ǻ	ǻ
LATIN CAPITAL LETTER AE WITH ACUTE uni01FC	Ǽ	Ǽ	Ǽ	Ǽ	Ǽ	Ǽ	Ǽ	Ǽ	Ǽ	Ǽ	Ǽ
LATIN SMALL LETTER AE WITH ACUTE uni01FD	ǽ	ǽ	ǽ	ǽ	ǽ	ǽ	ǽ	ǽ	ǽ	ǽ	ǽ
LATIN CAPITAL LETTER O WITH STROKE AND ACUTE uni01FE	Ǿ	Ǿ	Ǿ	Ǿ	Ǿ	Ǿ	Ǿ	Ǿ	Ǿ	Ǿ	Ǿ
LATIN SMALL LETTER O WITH STROKE AND ACUTE uni01FF	ǿ	ǿ	ǿ	ǿ	ǿ	ǿ	ǿ	ǿ	ǿ	ǿ	ǿ
LATIN CAPITAL LETTER S WITH COMMA BELOW uni0218	Ș	Ș	Ș	Ș	Ș	Ș	Ș	Ș	Ș	Ș	Ș
LATIN SMALL LETTER S WITH COMMA BELOW uni0219	ș	ș	ș	ș	ș	ș	ș	ș	ș	ș	ș
LATIN CAPITAL LETTER T WITH COMMA BELOW uni021A	Ț	Ț	Ț	Ț	Ț	Ț	Ț	Ț	Ț	Ț	Ț
LATIN SMALL LETTER T WITH COMMA BELOW uni021B	ț	ț	ț	ț	ț	ț	ț	ț	ț	ț	ț

LATIN SMALL LETTER DOTLESS J uni0237	ȷ	ȷ	ȷ	ȷ	ȷ	ȷ	ȷ	ȷ	ȷ	ȷ	ȷ
LATIN SMALL LETTER SCHWA uni0259	ə	ə	ə	ə	ə	ə	ə	ə	ə	ə	ə
MODIFIER LETTER APOSTROPHE uni02BC	ʼ	ʼ	ʼ	ʼ	ʼ	ʼ	ʼ	ʼ	ʼ	ʼ	ʼ
MODIFIER LETTER CIRCUMFLEX ACCENT uni02C6	ˆ	ˆ	ˆ	ˆ	ˆ	ˆ	ˆ	ˆ	ˆ	ˆ	ˆ
CARON uni02C7	ˇ	ˇ	ˇ	ˇ	ˇ	ˇ	ˇ	ˇ	ˇ	ˇ	ˇ
MODIFIER LETTER MACRON uni02C9	ˉ	ˉ	ˉ	ˉ	ˉ	ˉ	ˉ	ˉ	ˉ	ˉ	ˉ
BREVE uni02D8	˘	˘	˘	˘	˘	˘	˘	˘	˘	˘	˘
DOT ABOVE uni02D9	˙	˙	˙	˙	˙	˙	˙	˙	˙	˙	˙
RING ABOVE uni02DA	˚	˚	˚	˚	˚	˚	˚	˚	˚	˚	˚
OGONEK uni02DB	˛	˛	˛	˛	˛	˛	˛	˛	˛	˛	˛
SMALL TILDE uni02DC	˜	˜	˜	˜	˜	˜	˜	˜	˜	˜	˜
DOUBLE ACUTE ACCENT uni02DD	˝	˝	˝	˝	˝	˝	˝	˝	˝	˝	˝
MODIFIER LETTER LOW RING uni02F3	˳	˳	˳	˳	˳	˳	˳	˳	˳	˳	˳
COMBINING GRAVE ACCENT uni0300	̀	̀	̀	̀	̀	̀	̀	̀	̀	̀	̀
COMBINING ACUTE ACCENT uni0301	́	́	́	́	́	́	́	́	́	́	́
COMBINING TILDE uni0303	̃	̃	̃	̃	̃	̃	̃	̃	̃	̃	̃
COMBINING HOOK ABOVE uni0309	̉	̉	̉	̉	̉	̉	̉	̉	̉	̉	̉
COMBINING DOUBLE GRAVE ACCENT uni030F	̏	̏	̏	̏	̏	̏	̏	̏	̏	̏	̏
COMBINING DOT BELOW uni0323	̣	̣	̣	̣	̣	̣	̣	̣	̣	̣	̣
GREEK TONOS uni0384	΄	΄	΄	΄	΄	΄	΄	΄	΄	΄	΄
GREEK DIALYTIKA TONOS	΅	΅	΅	΅	΅	΅	΅	΅	΅	΅	΅

TONOS uni0385											
GREEK CAPITAL LETTER ALPHA WITH TONOS uni0386	Ά	Ά	Ά	Ά	Ά	Ά	Ά	Ά	Ά	Ά	Ά
GREEK ANO TELEIA uni0387	·	·	·	·	·	·	·	·	·	·	·
GREEK CAPITAL LETTER EPSILON WITH TONOS uni0388	Έ	Έ	Έ	Έ	Έ	Έ	Έ	Έ	Έ	Έ	Έ
GREEK CAPITAL LETTER ETA WITH TONOS uni0389	Ή	Ή	Ή	Ή	Ή	Ή	Ή	Ή	Ή	Ή	Ή
GREEK CAPITAL LETTER IOTA WITH TONOS uni038A	Ί	Ί	Ί	Ί	Ί	Ί	Ί	Ί	Ί	Ί	Ί
GREEK CAPITAL LETTER OMICRON WITH TONOS uni038C	Ό	Ό	Ό	Ό	Ό	Ό	Ό	Ό	Ό	Ό	Ό
GREEK CAPITAL LETTER UPSILON WITH TONOS uni038E	Ύ	Ύ	Ύ	Ύ	Ύ	Ύ	Ύ	Ύ	Ύ	Ύ	Ύ
GREEK CAPITAL LETTER OMEGA WITH TONOS uni038F	Ώ	Ώ	Ώ	Ώ	Ώ	Ώ	Ώ	Ώ	Ώ	Ώ	Ώ
GREEK SMALL LETTER IOTA WITH DIALYTIKA AND TONOS uni0390	ΐ	ΐ	ΐ	ΐ	ΐ	ΐ	ΐ	ΐ	ΐ	ΐ	ΐ
GREEK CAPITAL LETTER ALPHA uni0391	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α
GREEK CAPITAL LETTER BETA uni0392	Β	Β	Β	Β	Β	Β	Β	Β	Β	Β	Β
GREEK CAPITAL LETTER GAMMA uni0393	Γ	Γ	Γ	Γ	Γ	Γ	Γ	Γ	Γ	Γ	Γ
GREEK CAPITAL LETTER DELTA uni0394	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ
GREEK CAPITAL LETTER EPSILON uni0395	Ε	Ε	Ε	Ε	Ε	Ε	Ε	Ε	Ε	Ε	Ε
GREEK CAPITAL LETTER ZETA uni0396	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ
GREEK CAPITAL LETTER ETA uni0397	Η	Η	Η	Η	Η	Η	Η	Η	Η	Η	Η
GREEK CAPITAL LETTER THETA uni0398	Θ	Θ	Θ	Θ	Θ	Θ	Θ	Θ	Θ	Θ	Θ
GREEK CAPITAL LETTER IOTA	Ι	Ι	Ι	Ι	Ι	Ι	Ι	Ι	Ι	Ι	Ι

uni0399											
GREEK CAPITAL LETTER KAPPA uni039A	Κ	Κ	Κ	Κ	Κ	Κ	Κ	Κ	Κ	Κ	Κ
GREEK CAPITAL LETTER LAMDA uni039B	Λ	Λ	Λ	Λ	Λ	Λ	Λ	Λ	Λ	Λ	Λ
GREEK CAPITAL LETTER MU uni039C	Μ	Μ	Μ	Μ	Μ	Μ	Μ	Μ	Μ	Μ	Μ
GREEK CAPITAL LETTER NU uni039D	Ν	Ν	Ν	Ν	Ν	Ν	Ν	Ν	Ν	Ν	Ν
GREEK CAPITAL LETTER XI uni039E	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ
GREEK CAPITAL LETTER OMICRON uni039F	Ο	Ο	Ο	Ο	Ο	Ο	Ο	Ο	Ο	Ο	Ο
GREEK CAPITAL LETTER PI uni03A0	Π	Π	Π	Π	Π	Π	Π	Π	Π	Π	Π
GREEK CAPITAL LETTER RHO uni03A1	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ
GREEK CAPITAL LETTER SIGMA uni03A3	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ
GREEK CAPITAL LETTER TAU uni03A4	Τ	Τ	Τ	Τ	Τ	Τ	Τ	Τ	Τ	Τ	Τ
GREEK CAPITAL LETTER UPSILON uni03A5	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ
GREEK CAPITAL LETTER PHI uni03A6	Φ	Φ	Φ	Φ	Φ	Φ	Φ	Φ	Φ	Φ	Φ
GREEK CAPITAL LETTER CHI uni03A7	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
GREEK CAPITAL LETTER PSI uni03A8	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ
GREEK CAPITAL LETTER OMEGA uni03A9	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω
GREEK CAPITAL LETTER IOTA WITH DIALYTIKA uni03AA	Ϊ	Ϊ	Ϊ	Ϊ	Ϊ	Ϊ	Ϊ	Ϊ	Ϊ	Ϊ	Ϊ
GREEK CAPITAL LETTER UPSILON WITH DIALYTIKA uni03AB	Ϋ	Ϋ	Ϋ	Ϋ	Ϋ	Ϋ	Ϋ	Ϋ	Ϋ	Ϋ	Ϋ
GREEK SMALL LETTER ALPHA WITH TONOS uni03AC	ά	ά	ά	ά	ά	ά	ά	ά	ά	ά	ά
GREEK SMALL LETTER EPSILON WITH TONOS uni03AD	έ	έ	έ	έ	έ	έ	έ	έ	έ	έ	έ

GREEK SMALL LETTER ETA WITH TONOS uni03AE	ή	ή	ή	ή	ή	ή	ή	ή	ή	ή	ή
GREEK SMALL LETTER IOTA WITH TONOS uni03AF	ί	ί	ί	ί	ί	ί	ί	ί	ί	ί	ί
GREEK SMALL LETTER UPSILON WITH DIALYTIKA AND TONOS uni03B0	ΰ	ΰ	ΰ	ΰ	ΰ	ΰ	ΰ	ΰ	ΰ	ΰ	ΰ
GREEK SMALL LETTER ALPHA uni03B1	α	α	α	α	α	α	α	α	α	α	α
GREEK SMALL LETTER BETA uni03B2	β	β	β	β	β	β	β	β	β	β	β
GREEK SMALL LETTER GAMMA uni03B3	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
GREEK SMALL LETTER DELTA uni03B4	δ	δ	δ	δ	δ	δ	δ	δ	δ	δ	δ
GREEK SMALL LETTER EPSILON uni03B5	ε	ε	ε	ε	ε	ε	ε	ε	ε	ε	ε
GREEK SMALL LETTER ZETA uni03B6	ζ	ζ	ζ	ζ	ζ	ζ	ζ	ζ	ζ	ζ	ζ
GREEK SMALL LETTER ETA uni03B7	η	η	η	η	η	η	η	η	η	η	η
GREEK SMALL LETTER THETA uni03B8	θ	θ	θ	θ	θ	θ	θ	θ	θ	θ	θ
GREEK SMALL LETTER IOTA uni03B9	ι	ι	ι	ι	ι	ι	ι	ι	ι	ι	ι
GREEK SMALL LETTER KAPPA uni03BA	κ	κ	κ	κ	κ	κ	κ	κ	κ	κ	κ
GREEK SMALL LETTER LAMDA uni03BB	λ	λ	λ	λ	λ	λ	λ	λ	λ	λ	λ
GREEK SMALL LETTER MU uni03BC	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ
GREEK SMALL LETTER NU uni03BD	ν	ν	ν	ν	ν	ν	ν	ν	ν	ν	ν
GREEK SMALL LETTER XI uni03BE	ξ	ξ	ξ	ξ	ξ	ξ	ξ	ξ	ξ	ξ	ξ
GREEK SMALL LETTER OMICRON uni03BF	ο	ο	ο	ο	ο	ο	ο	ο	ο	ο	ο
GREEK SMALL LETTER PI uni03C0	π	π	π	π	π	π	π	π	π	π	π
GREEK SMALL	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ

GREEK SMALL LETTER RHO uni03C1	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ
GREEK SMALL LETTER FINAL SIGMA uni03C2	ς	ς	ς	ς	ς	ς	ς	ς	ς	ς	ς
GREEK SMALL LETTER SIGMA uni03C3	σ	σ	σ	σ	σ	σ	σ	σ	σ	σ	σ
GREEK SMALL LETTER TAU uni03C4	τ	τ	τ	τ	τ	τ	τ	τ	τ	τ	τ
GREEK SMALL LETTER UPSILON uni03C5	υ	υ	υ	υ	υ	υ	υ	υ	υ	υ	υ
GREEK SMALL LETTER PHI uni03C6	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ
GREEK SMALL LETTER CHI uni03C7	χ	χ	χ	χ	χ	χ	χ	χ	χ	χ	χ
GREEK SMALL LETTER PSI uni03C8	ψ	ψ	ψ	ψ	ψ	ψ	ψ	ψ	ψ	ψ	ψ
GREEK SMALL LETTER OMEGA uni03C9	ω	ω	ω	ω	ω	ω	ω	ω	ω	ω	ω
GREEK SMALL LETTER IOTA WITH DIALYTIKA uni03CA	ϊ	ϊ	ϊ	ϊ	ϊ	ϊ	ϊ	ϊ	ϊ	ϊ	ϊ
GREEK SMALL LETTER UPSILON WITH DIALYTIKA uni03CB	ϋ	ϋ	ϋ	ϋ	ϋ	ϋ	ϋ	ϋ	ϋ	ϋ	ϋ
GREEK SMALL LETTER OMICRON WITH TONOS uni03CC	ό	ό	ό	ό	ό	ό	ό	ό	ό	ό	ό
GREEK SMALL LETTER UPSILON WITH TONOS uni03CD	ύ	ύ	ύ	ύ	ύ	ύ	ύ	ύ	ύ	ύ	ύ
GREEK SMALL LETTER OMEGA WITH TONOS uni03CE	ώ	ώ	ώ	ώ	ώ	ώ	ώ	ώ	ώ	ώ	ώ
GREEK THETA SYMBOL uni03D1	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ
GREEK UPSILON WITH HOOK SYMBOL uni03D2	ϒ	ϒ	ϒ	ϒ	ϒ	ϒ	ϒ	ϒ	ϒ	ϒ	ϒ
GREEK PI SYMBOL uni03D6	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ
CYRILLIC CAPITAL LETTER IE WITH GRAVE uni0400	È	È	È	È	È	È	È	È	È	È	È
CYRILLIC CAPITAL LETTER	Ë	Ë	Ë	Ë	Ë	Ë	Ë	Ë	Ë	Ë	Ë

IO uni0401											
CYRILLIC CAPITAL LETTER DJE uni0402	Ђ	Ђ	Ђ	Ђ	Ђ	Ђ	Ђ	Ђ	Ђ	Ђ	Ђ
CYRILLIC CAPITAL LETTER GJE uni0403	Ѓ	Ѓ	Ѓ	Ѓ	Ѓ	Ѓ	Ѓ	Ѓ	Ѓ	Ѓ	Ѓ
CYRILLIC CAPITAL LETTER UKRAINIAN IE uni0404	Є	Є	Є	Є	Є	Є	Є	Є	Є	Є	Є
CYRILLIC CAPITAL LETTER DZE uni0405	Ѕ	Ѕ	Ѕ	Ѕ	Ѕ	Ѕ	Ѕ	Ѕ	Ѕ	Ѕ	Ѕ
CYRILLIC CAPITAL LETTER BYELORUSSIAN-UKRAINIAN I uni0406	І	І	І	І	І	І	І	І	І	І	І
CYRILLIC CAPITAL LETTER YI uni0407	Ї	Ї	Ї	Ї	Ї	Ї	Ї	Ї	Ї	Ї	Ї
CYRILLIC CAPITAL LETTER JE uni0408	Ј	Ј	Ј	Ј	Ј	Ј	Ј	Ј	Ј	Ј	Ј
CYRILLIC CAPITAL LETTER LJE uni0409	Љ	Љ	Љ	Љ	Љ	Љ	Љ	Љ	Љ	Љ	Љ
CYRILLIC CAPITAL LETTER NJE uni040A	Њ	Њ	Њ	Њ	Њ	Њ	Њ	Њ	Њ	Њ	Њ
CYRILLIC CAPITAL LETTER TSHE uni040B	Ћ	Ћ	Ћ	Ћ	Ћ	Ћ	Ћ	Ћ	Ћ	Ћ	Ћ
CYRILLIC CAPITAL LETTER KJE uni040C	Ќ	Ќ	Ќ	Ќ	Ќ	Ќ	Ќ	Ќ	Ќ	Ќ	Ќ
CYRILLIC CAPITAL LETTER I WITH GRAVE uni040D	Ѝ	Ѝ	Ѝ	Ѝ	Ѝ	Ѝ	Ѝ	Ѝ	Ѝ	Ѝ	Ѝ
CYRILLIC CAPITAL LETTER SHORT U uni040E	Ў	Ў	Ў	Ў	Ў	Ў	Ў	Ў	Ў	Ў	Ў
CYRILLIC CAPITAL LETTER DZHE uni040F	Ц	Ц	Ц	Ц	Ц	Ц	Ц	Ц	Ц	Ц	Ц
CYRILLIC CAPITAL LETTER A uni0410	А	А	А	А	А	А	А	А	А	А	А
CYRILLIC CAPITAL LETTER BE uni0411	Б	Б	Б	Б	Б	Б	Б	Б	Б	Б	Б

CYRILLIC CAPITAL LETTER VE uni0412	В	В	В	В	В	В	В	В	В	В	В
CYRILLIC CAPITAL LETTER GHE uni0413	Г	Г	Г	Г	Г	Г	Г	Г	Г	Г	Г
CYRILLIC CAPITAL LETTER DE uni0414	Д	Д	Д	Д	Д	Д	Д	Д	Д	Д	Д
CYRILLIC CAPITAL LETTER IE uni0415	Е	Е	Е	Е	Е	Е	Е	Е	Е	Е	Е
CYRILLIC CAPITAL LETTER ZHE uni0416	Ж	Ж	Ж	Ж	Ж	Ж	Ж	Ж	Ж	Ж	Ж
CYRILLIC CAPITAL LETTER ZE uni0417	З	З	З	З	З	З	З	З	З	З	З
CYRILLIC CAPITAL LETTER I uni0418	И	И	И	И	И	И	И	И	И	И	И
CYRILLIC CAPITAL LETTER SHORT I uni0419	Й	Й	Й	Й	Й	Й	Й	Й	Й	Й	Й
CYRILLIC CAPITAL LETTER KA uni041A	К	К	К	К	К	К	К	К	К	К	К
CYRILLIC CAPITAL LETTER EL uni041B	Л	Л	Л	Л	Л	Л	Л	Л	Л	Л	Л
CYRILLIC CAPITAL LETTER EM uni041C	М	М	М	М	М	М	М	М	М	М	М
CYRILLIC CAPITAL LETTER EN uni041D	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н
CYRILLIC CAPITAL LETTER O uni041E	О	О	О	О	О	О	О	О	О	О	О
CYRILLIC CAPITAL LETTER PE uni041F	П	П	П	П	П	П	П	П	П	П	П
CYRILLIC CAPITAL LETTER ER uni0420	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р
CYRILLIC CAPITAL LETTER ES uni0421	С	С	С	С	С	С	С	С	С	С	С
CYRILLIC	Т	Т	Т	Т	Т	Т	Т	Т	Т	Т	Т

CAPITAL LETTER TE uni0422											
CYRILLIC CAPITAL LETTER U uni0423	У	У	У	У	У	У	У	У	У	У	У
CYRILLIC CAPITAL LETTER EF uni0424	Ф	Ф	Ф	Ф	Ф	Ф	Ф	Ф	Ф	Ф	Ф
CYRILLIC CAPITAL LETTER HA uni0425	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
CYRILLIC CAPITAL LETTER TSE uni0426	Ц	Ц	Ц	Ц	Ц	Ц	Ц	Ц	Ц	Ц	Ц
CYRILLIC CAPITAL LETTER CHE uni0427	Ч	Ч	Ч	Ч	Ч	Ч	Ч	Ч	Ч	Ч	Ч
CYRILLIC CAPITAL LETTER SHA uni0428	Ш	Ш	Ш	Ш	Ш	Ш	Ш	Ш	Ш	Ш	Ш
CYRILLIC CAPITAL LETTER SHCHA uni0429	Щ	Щ	Щ	Щ	Щ	Щ	Щ	Щ	Щ	Щ	Щ
CYRILLIC CAPITAL LETTER HARD SIGN uni042A	Ъ	Ъ	Ъ	Ъ	Ъ	Ъ	Ъ	Ъ	Ъ	Ъ	Ъ
CYRILLIC CAPITAL LETTER YERU uni042B	Ы	Ы	Ы	Ы	Ы	Ы	Ы	Ы	Ы	Ы	Ы
CYRILLIC CAPITAL LETTER SOFT SIGN uni042C	Ь	Ь	Ь	Ь	Ь	Ь	Ь	Ь	Ь	Ь	Ь
CYRILLIC CAPITAL LETTER E uni042D	Э	Э	Э	Э	Э	Э	Э	Э	Э	Э	Э
CYRILLIC CAPITAL LETTER YU uni042E	Ю	Ю	Ю	Ю	Ю	Ю	Ю	Ю	Ю	Ю	Ю
CYRILLIC CAPITAL LETTER YA uni042F	Я	Я	Я	Я	Я	Я	Я	Я	Я	Я	Я
CYRILLIC SMALL LETTER A uni0430	а	а	а	а	а	а	а	а	а	а	а
CYRILLIC SMALL LETTER BE uni0431	б	б	б	б	б	б	б	б	б	б	б
CYRILLIC SMALL LETTER VE uni0432	в	в	в	в	в	в	в	в	в	в	в
CYRILLIC SMALL LETTER GHE	г	г	г	г	г	г	г	г	г	г	г

LETTER CHE uni0433											
CYRILLIC SMALL LETTER DE uni0434	д	д	д	д	д	д	д	д	д	д	д
CYRILLIC SMALL LETTER IE uni0435	е	е	е	е	е	е	е	е	е	е	е
CYRILLIC SMALL LETTER ZHE uni0436	ж	ж	ж	ж	ж	ж	ж	ж	ж	ж	ж
CYRILLIC SMALL LETTER ZE uni0437	з	з	з	з	з	з	з	з	з	з	з
CYRILLIC SMALL LETTER I uni0438	и	и	и	и	и	и	и	и	и	и	и
CYRILLIC SMALL LETTER SHORT I uni0439	й	й	й	й	й	й	й	й	й	й	й
CYRILLIC SMALL LETTER KA uni043A	к	к	к	к	к	к	к	к	к	к	к
CYRILLIC SMALL LETTER EL uni043B	л	л	л	л	л	л	л	л	л	л	л
CYRILLIC SMALL LETTER EM uni043C	м	м	м	м	м	м	м	м	м	м	м
CYRILLIC SMALL LETTER EN uni043D	н	н	н	н	н	н	н	н	н	н	н
CYRILLIC SMALL LETTER O uni043E	о	о	о	о	о	о	о	о	о	о	о
CYRILLIC SMALL LETTER PE uni043F	п	п	п	п	п	п	п	п	п	п	п
CYRILLIC SMALL LETTER ER uni0440	р	р	р	р	р	р	р	р	р	р	р
CYRILLIC SMALL LETTER ES uni0441	с	с	с	с	с	с	с	с	с	с	с
CYRILLIC SMALL LETTER TE uni0442	т	т	т	т	т	т	т	т	т	т	т
CYRILLIC SMALL LETTER U uni0443	у	у	у	у	у	у	у	у	у	у	у
CYRILLIC SMALL LETTER EF uni0444	ф	ф	ф	ф	ф	ф	ф	ф	ф	ф	ф
CYRILLIC SMALL LETTER HA uni0445	х	х	х	х	х	х	х	х	х	х	х
CYRILLIC SMALL LETTER TSE uni0446	ц	ц	ц	ц	ц	ц	ц	ц	ц	ц	ц
CYRILLIC SMALL LETTER CHE uni0447	ч	ч	ч	ч	ч	ч	ч	ч	ч	ч	ч

CYRILLIC SMALL LETTER SHA uni0448	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш
CYRILLIC SMALL LETTER SHCHA uni0449	щ	щ	щ	щ	щ	щ	щ	щ	щ	щ	щ
CYRILLIC SMALL LETTER HARD SIGN uni044A	ъ	ъ	ъ	ъ	ъ	ъ	ъ	ъ	ъ	ъ	ъ
CYRILLIC SMALL LETTER YERU uni044B	ы	ы	ы	ы	ы	ы	ы	ы	ы	ы	ы
CYRILLIC SMALL LETTER SOFT SIGN uni044C	ь	ь	ь	ь	ь	ь	ь	ь	ь	ь	ь
CYRILLIC SMALL LETTER E uni044D	э	э	э	э	э	э	э	э	э	э	э
CYRILLIC SMALL LETTER YU uni044E	ю	ю	ю	ю	ю	ю	ю	ю	ю	ю	ю
CYRILLIC SMALL LETTER YA uni044F	я	я	я	я	я	я	я	я	я	я	я
CYRILLIC SMALL LETTER IE WITH GRAVE uni0450	ѐ	ѐ	ѐ	ѐ	ѐ	ѐ	ѐ	ѐ	ѐ	ѐ	ѐ
CYRILLIC SMALL LETTER IO uni0451	ё	ё	ё	ё	ё	ё	ё	ё	ё	ё	ё
CYRILLIC SMALL LETTER DJE uni0452	ђ	ђ	ђ	ђ	ђ	ђ	ђ	ђ	ђ	ђ	ђ
CYRILLIC SMALL LETTER GJE uni0453	ѓ	ѓ	ѓ	ѓ	ѓ	ѓ	ѓ	ѓ	ѓ	ѓ	ѓ
CYRILLIC SMALL LETTER UKRAINIAN IE uni0454	є	є	є	є	є	є	є	є	є	є	є
CYRILLIC SMALL LETTER DZE uni0455	ѕ	ѕ	ѕ	ѕ	ѕ	ѕ	ѕ	ѕ	ѕ	ѕ	ѕ
CYRILLIC SMALL LETTER BYELORUSSIAN-UKRAINIAN I uni0456	і	і	і	і	і	і	і	і	і	і	і
CYRILLIC SMALL LETTER YI uni0457	ї	ї	ї	ї	ї	ї	ї	ї	ї	ї	ї
CYRILLIC SMALL LETTER JE uni0458	ј	ј	ј	ј	ј	ј	ј	ј	ј	ј	ј
CYRILLIC SMALL LETTER LJE uni0459	ѣ	ѣ	ѣ	ѣ	ѣ	ѣ	ѣ	ѣ	ѣ	ѣ	ѣ
CYRILLIC SMALL LETTER NJE uni045A	ѣ	ѣ	ѣ	ѣ	ѣ	ѣ	ѣ	ѣ	ѣ	ѣ	ѣ

CYRILLIC SMALL LETTER TSHE uni045B	ћ	ћ	ћ	ћ	ћ	ћ	ћ	ћ	ћ	ћ	ћ
CYRILLIC SMALL LETTER KJE uni045C	ќ	ќ	ќ	ќ	ќ	ќ	ќ	ќ	ќ	ќ	ќ
CYRILLIC SMALL LETTER I WITH GRAVE uni045D	ѝ	ѝ	ѝ	ѝ	ѝ	ѝ	ѝ	ѝ	ѝ	ѝ	ѝ
CYRILLIC SMALL LETTER SHORT U uni045E	ў	ў	ў	ў	ў	ў	ў	ў	ў	ў	ў
CYRILLIC SMALL LETTER DZHE uni045F	ѫ	ѫ	ѫ	ѫ	ѫ	ѫ	ѫ	ѫ	ѫ	ѫ	ѫ
CYRILLIC CAPITAL LETTER OMEGA uni0460	ѠѠ	Ѡ	Ѡ	Ѡ	Ѡ	Ѡ	Ѡ	Ѡ	Ѡ	Ѡ	Ѡ
CYRILLIC SMALL LETTER OMEGA uni0461	ѡ	ѡ	ѡ	ѡ	ѡ	ѡ	ѡ	ѡ	ѡ	ѡ	ѡ
CYRILLIC CAPITAL LETTER YAT uni0462	Ѣ	Ѣ	Ѣ	Ѣ	Ѣ	Ѣ	Ѣ	Ѣ	Ѣ	Ѣ	Ѣ
CYRILLIC SMALL LETTER YAT uni0463	ѣ	ѣ	ѣ	ѣ	ѣ	ѣ	ѣ	ѣ	ѣ	ѣ	ѣ
CYRILLIC CAPITAL LETTER IOTIFIED E uni0464	Ѥ	Ѥ	Ѥ	Ѥ	Ѥ	Ѥ	Ѥ	Ѥ	Ѥ	Ѥ	Ѥ
CYRILLIC SMALL LETTER IOTIFIED E uni0465	ѥ	ѥ	ѥ	ѥ	ѥ	ѥ	ѥ	ѥ	ѥ	ѥ	ѥ
CYRILLIC CAPITAL LETTER LITTLE YUS uni0466	Ѧ	Ѧ	Ѧ	Ѧ	Ѧ	Ѧ	Ѧ	Ѧ	Ѧ	Ѧ	Ѧ
CYRILLIC SMALL LETTER LITTLE YUS uni0467	ѧ	ѧ	ѧ	ѧ	ѧ	ѧ	ѧ	ѧ	ѧ	ѧ	ѧ
CYRILLIC CAPITAL LETTER IOTIFIED LITTLE YUS uni0468	Ѩ	Ѩ	Ѩ	Ѩ	Ѩ	Ѩ	Ѩ	Ѩ	Ѩ	Ѩ	Ѩ
CYRILLIC SMALL LETTER IOTIFIED LITTLE YUS uni0469	ѩ	ѩ	ѩ	ѩ	ѩ	ѩ	ѩ	ѩ	ѩ	ѩ	ѩ
CYRILLIC CAPITAL LETTER BIG YUS uni046A	Ѫ	Ѫ	Ѫ	Ѫ	Ѫ	Ѫ	Ѫ	Ѫ	Ѫ	Ѫ	Ѫ
CYRILLIC SMALL LETTER BIG YUS uni046B	ѫ	ѫ	ѫ	ѫ	ѫ	ѫ	ѫ	ѫ	ѫ	ѫ	ѫ
CYRILLIC CAPITAL LETTER IOTIFIED BIG YUS uni046C	Ѭ	Ѭ	Ѭ	Ѭ	Ѭ	Ѭ	Ѭ	Ѭ	Ѭ	Ѭ	Ѭ

CYRILLIC SMALL LETTER IOTIFIED BIG YUS uni046D	ꙗ	ꙗ	ꙗ	ꙗ	ꙗ	ꙗ	ꙗ	ꙗ	ꙗ	ꙗ	ꙗ
CYRILLIC CAPITAL LETTER KSI uni046E	Ѯ	Ѯ	Ѯ	Ѯ	Ѯ	Ѯ	Ѯ	Ѯ	Ѯ	Ѯ	Ѯ
CYRILLIC SMALL LETTER KSI uni046F	ѯ	ѯ	ѯ	ѯ	ѯ	ѯ	ѯ	ѯ	ѯ	ѯ	ѯ
CYRILLIC CAPITAL LETTER PSI uni0470	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ
CYRILLIC SMALL LETTER PSI uni0471	ψ	ψ	ψ	ψ	ψ	ψ	ψ	ψ	ψ	ψ	ψ
CYRILLIC CAPITAL LETTER FITA uni0472	Ѳ	Ѳ	Ѳ	Ѳ	Ѳ	Ѳ	Ѳ	Ѳ	Ѳ	Ѳ	Ѳ
CYRILLIC SMALL LETTER FITA uni0473	ѳ	ѳ	ѳ	ѳ	ѳ	ѳ	ѳ	ѳ	ѳ	ѳ	ѳ
CYRILLIC CAPITAL LETTER IZHITSA uni0474	Ѵ	Ѵ	Ѵ	Ѵ	Ѵ	Ѵ	Ѵ	Ѵ	Ѵ	Ѵ	Ѵ
CYRILLIC SMALL LETTER IZHITSA uni0475	ѵ	ѵ	ѵ	ѵ	ѵ	ѵ	ѵ	ѵ	ѵ	ѵ	ѵ
CYRILLIC CAPITAL LETTER IZHITSA WITH DOUBLE GRAVE ACCENT uni0476	Ѷ	Ѷ	Ѷ	Ѷ	Ѷ	Ѷ	Ѷ	Ѷ	Ѷ	Ѷ	Ѷ
CYRILLIC SMALL LETTER IZHITSA WITH DOUBLE GRAVE ACCENT uni0477	ѷ	ѷ	ѷ	ѷ	ѷ	ѷ	ѷ	ѷ	ѷ	ѷ	ѷ
CYRILLIC CAPITAL LETTER UK uni0478	Ѹ	Ѹ	Ѹ	Ѹ	Ѹ	Ѹ	Ѹ	Ѹ	Ѹ	Ѹ	Ѹ
CYRILLIC SMALL LETTER UK uni0479	ѹ	ѹ	ѹ	ѹ	ѹ	ѹ	ѹ	ѹ	ѹ	ѹ	ѹ
CYRILLIC CAPITAL LETTER ROUND OMEGA uni047A	Ѻ	Ѻ	Ѻ	Ѻ	Ѻ	Ѻ	Ѻ	Ѻ	Ѻ	Ѻ	Ѻ
CYRILLIC SMALL LETTER ROUND OMEGA uni047B	ѻ	ѻ	ѻ	ѻ	ѻ	ѻ	ѻ	ѻ	ѻ	ѻ	ѻ
CYRILLIC CAPITAL LETTER OMEGA WITH TITLO uni047C	Ѽ	Ѽ	Ѽ	Ѽ	Ѽ	Ѽ	Ѽ	Ѽ	Ѽ	Ѽ	Ѽ
CYRILLIC SMALL LETTER OMEGA	ѽ	ѽ	ѽ	ѽ	ѽ	ѽ	ѽ	ѽ	ѽ	ѽ	ѽ

WITH TITLO
uni047D

CYRILLIC CAPITAL LETTER OT
uni047E

CYRILLIC SMALL LETTER OT
uni047F

CYRILLIC CAPITAL LETTER KOPPA
uni0480

CYRILLIC SMALL LETTER KOPPA
uni0481

CYRILLIC THOUSANDS SIGN
uni0482

COMBINING CYRILLIC TITLO
uni0483

COMBINING CYRILLIC PALATALIZATION
uni0484

COMBINING CYRILLIC DASIA PNEUMATA
uni0485

COMBINING CYRILLIC PSILI PNEUMATA
uni0486

COMBINING CYRILLIC HUNDRED THOUSANDS SIGN
uni0488

COMBINING CYRILLIC MILLIONS SIGN
uni0489

CYRILLIC CAPITAL LETTER SHORT I WITH TAIL
uni048A

CYRILLIC SMALL LETTER SHORT I WITH TAIL
uni048B

CYRILLIC CAPITAL LETTER SEMISOFT SIGN
uni048C

CYRILLIC SMALL LETTER SEMISOFT SIGN
uni048D

CYRILLIC CAPITAL LETTER ER WITH TICK
uni048E

CYRILLIC SMALL LETTER ER WITH TICK uni048F	ҏ	ҏ	ҏ	ҏ	ҏ	ҏ	ҏ	ҏ	ҏ	ҏ	ҏ
CYRILLIC CAPITAL LETTER GHE WITH UPTURN uni0490	Ґ	Ґ	Ґ	Ґ	Ґ	Ґ	Ґ	Ґ	Ґ	Ґ	Ґ
CYRILLIC SMALL LETTER GHE WITH UPTURN uni0491	ґ	ґ	ґ	ґ	ґ	ґ	ґ	ґ	ґ	ґ	ґ
CYRILLIC CAPITAL LETTER GHE WITH STROKE uni0492	Ғ	Ғ	Ғ	Ғ	Ғ	Ғ	Ғ	Ғ	Ғ	Ғ	Ғ
CYRILLIC SMALL LETTER GHE WITH STROKE uni0493	ғ	ғ	ғ	ғ	ғ	ғ	ғ	ғ	ғ	ғ	ғ
CYRILLIC CAPITAL LETTER GHE WITH MIDDLE HOOK uni0494	Ҕ	Ҕ	Ҕ	Ҕ	Ҕ	Ҕ	Ҕ	Ҕ	Ҕ	Ҕ	Ҕ
CYRILLIC SMALL LETTER GHE WITH MIDDLE HOOK uni0495	ҕ	ҕ	ҕ	ҕ	ҕ	ҕ	ҕ	ҕ	ҕ	ҕ	ҕ
CYRILLIC CAPITAL LETTER ZHE WITH DESCENDER uni0496	Җ	Җ	Җ	Җ	Җ	Җ	Җ	Җ	Җ	Җ	Җ
CYRILLIC SMALL LETTER ZHE WITH DESCENDER uni0497	җ	җ	җ	җ	җ	җ	җ	җ	җ	җ	җ
CYRILLIC CAPITAL LETTER ZE WITH DESCENDER uni0498	Ҙ	Ҙ	Ҙ	Ҙ	Ҙ	Ҙ	Ҙ	Ҙ	Ҙ	Ҙ	Ҙ
CYRILLIC SMALL LETTER ZE WITH DESCENDER uni0499	ҙ	ҙ	ҙ	ҙ	ҙ	ҙ	ҙ	ҙ	ҙ	ҙ	ҙ
CYRILLIC CAPITAL LETTER KA WITH DESCENDER uni049A	Қ	Қ	Қ	Қ	Қ	Қ	Қ	Қ	Қ	Қ	Қ
CYRILLIC SMALL LETTER KA WITH DESCENDER uni049B	қ	қ	қ	қ	қ	қ	қ	қ	қ	қ	қ
CYRILLIC CAPITAL LETTER KA WITH VERTICAL STROKE uni049C	Ҝ	Ҝ	Ҝ	Ҝ	Ҝ	Ҝ	Ҝ	Ҝ	Ҝ	Ҝ	Ҝ
CYRILLIC SMALL LETTER KA WITH VERTICAL	ҝ	ҝ	ҝ	ҝ	ҝ	ҝ	ҝ	ҝ	ҝ	ҝ	ҝ

VERTICAL STROKE
uni049D

CYRILLIC CAPITAL LETTER KA WITH STROKE
uni049E

CYRILLIC SMALL LETTER KA WITH STROKE
uni049F

CYRILLIC CAPITAL LETTER BASHKIR KA
uni04A0

CYRILLIC SMALL LETTER BASHKIR KA
uni04A1

CYRILLIC CAPITAL LETTER EN WITH DESCENDER
uni04A2

CYRILLIC SMALL LETTER EN WITH DESCENDER
uni04A3

CYRILLIC CAPITAL LIGATURE EN GHE
uni04A4

CYRILLIC SMALL LIGATURE EN GHE
uni04A5

CYRILLIC CAPITAL LETTER PE WITH MIDDLE HOOK
uni04A6

CYRILLIC SMALL LETTER PE WITH MIDDLE HOOK
uni04A7

CYRILLIC CAPITAL LETTER ABKHASIAN HA
uni04A8

CYRILLIC SMALL LETTER ABKHASIAN HA
uni04A9

CYRILLIC CAPITAL LETTER ES WITH DESCENDER
uni04AA

CYRILLIC SMALL LETTER ES WITH DESCENDER
uni04AB

CYRILLIC CAPITAL LETTER TE WITH DESCENDER
uni04AC

CYRILLIC SMALL LETTER TE WITH DESCENDER uni04AD	Ҭ	Ҭ	Ҭ	Ҭ	Ҭ	Ҭ	Ҭ	Ҭ	Ҭ	Ҭ	Ҭ
CYRILLIC CAPITAL LETTER STRAIGHT U uni04AE	Ү	Ү	Ү	Ү	Ү	Ү	Ү	Ү	Ү	Ү	Ү
CYRILLIC SMALL LETTER STRAIGHT U uni04AF	ү	ү	ү	ү	ү	ү	ү	ү	ү	ү	ү
CYRILLIC CAPITAL LETTER STRAIGHT U WITH STROKE uni04B0	Ұ	Ұ	Ұ	Ұ	Ұ	Ұ	Ұ	Ұ	Ұ	Ұ	Ұ
CYRILLIC SMALL LETTER STRAIGHT U WITH STROKE uni04B1	ҰҰ	ҰҰ	ҰҰ	ҰҰ	ҰҰ	ҰҰ	ҰҰ	ҰҰ	ҰҰ	ҰҰ	ҰҰ
CYRILLIC CAPITAL LETTER HA WITH DESCENDER uni04B2	Ҳ	Ҳ	Ҳ	Ҳ	Ҳ	Ҳ	Ҳ	Ҳ	Ҳ	Ҳ	Ҳ
CYRILLIC SMALL LETTER HA WITH DESCENDER uni04B3	ҳ	ҳ	ҳ	ҳ	ҳ	ҳ	ҳ	ҳ	ҳ	ҳ	ҳ
CYRILLIC CAPITAL LIGATURE TE TSE uni04B4	Ҵ	Ҵ	Ҵ	Ҵ	Ҵ	Ҵ	Ҵ	Ҵ	Ҵ	Ҵ	Ҵ
CYRILLIC SMALL LIGATURE TE TSE uni04B5	ҵ	ҵ	ҵ	ҵ	ҵ	ҵ	ҵ	ҵ	ҵ	ҵ	ҵ
CYRILLIC CAPITAL LETTER CHE WITH DESCENDER uni04B6	Ҷ	Ҷ	Ҷ	Ҷ	Ҷ	Ҷ	Ҷ	Ҷ	Ҷ	Ҷ	Ҷ
CYRILLIC SMALL LETTER CHE WITH DESCENDER uni04B7	ҷ	ҷ	ҷ	ҷ	ҷ	ҷ	ҷ	ҷ	ҷ	ҷ	ҷ
CYRILLIC CAPITAL LETTER CHE WITH VERTICAL STROKE uni04B8	Ҹ	Ҹ	Ҹ	Ҹ	Ҹ	Ҹ	Ҹ	Ҹ	Ҹ	Ҹ	Ҹ
CYRILLIC SMALL LETTER CHE WITH VERTICAL STROKE uni04B9	ҹ	ҹ	ҹ	ҹ	ҹ	ҹ	ҹ	ҹ	ҹ	ҹ	ҹ
CYRILLIC CAPITAL LETTER SHHA uni04BA	Һ	Һ	Һ	Һ	Һ	Һ	Һ	Һ	Һ	Һ	Һ
CYRILLIC SMALL LETTER SHHA uni04BB	һ	һ	һ	һ	һ	һ	һ	һ	һ	һ	һ
CYRILLIC	Ҽ	Ҽ	Ҽ	Ҽ	Ҽ	Ҽ	Ҽ	Ҽ	Ҽ	Ҽ	Ҽ

CYRILLIC CAPITAL LETTER ABKHASIAN CHE uni04BC	Ҽ	Ҽ	Ҽ	Ҽ	Ҽ	Ҽ	Ҽ	Ҽ	Ҽ	Ҽ	Ҽ
CYRILLIC SMALL LETTER ABKHASIAN CHE uni04BD	ҽ	ҽ	ҽ	ҽ	ҽ	ҽ	ҽ	ҽ	ҽ	ҽ	ҽ
CYRILLIC CAPITAL LETTER ABKHASIAN CHE WITH DESCENDER uni04BE	Ҿ	Ҿ	Ҿ	Ҿ	Ҿ	Ҿ	Ҿ	Ҿ	Ҿ	Ҿ	Ҿ
CYRILLIC SMALL LETTER ABKHASIAN CHE WITH DESCENDER uni04BF	ҿ	ҿ	ҿ	ҿ	ҿ	ҿ	ҿ	ҿ	ҿ	ҿ	ҿ
CYRILLIC LETTER PALOCHKA uni04C0	Ӏ	Ӏ	Ӏ	Ӏ	Ӏ	Ӏ	Ӏ	Ӏ	Ӏ	Ӏ	Ӏ
CYRILLIC CAPITAL LETTER ZHE WITH BREVE uni04C1	Ӂ	Ӂ	Ӂ	Ӂ	Ӂ	Ӂ	Ӂ	Ӂ	Ӂ	Ӂ	Ӂ
CYRILLIC SMALL LETTER ZHE WITH BREVE uni04C2	ӂ	ӂ	ӂ	ӂ	ӂ	ӂ	ӂ	ӂ	ӂ	ӂ	ӂ
CYRILLIC CAPITAL LETTER KA WITH HOOK uni04C3	Ӄ	Ӄ	Ӄ	Ӄ	Ӄ	Ӄ	Ӄ	Ӄ	Ӄ	Ӄ	Ӄ
CYRILLIC SMALL LETTER KA WITH HOOK uni04C4	ӄ	ӄ	ӄ	ӄ	ӄ	ӄ	ӄ	ӄ	ӄ	ӄ	ӄ
CYRILLIC CAPITAL LETTER EL WITH TAIL uni04C5	Ӆ	Ӆ	Ӆ	Ӆ	Ӆ	Ӆ	Ӆ	Ӆ	Ӆ	Ӆ	Ӆ
CYRILLIC SMALL LETTER EL WITH TAIL uni04C6	ӆ	ӆ	ӆ	ӆ	ӆ	ӆ	ӆ	ӆ	ӆ	ӆ	ӆ
CYRILLIC CAPITAL LETTER EN WITH HOOK uni04C7	Ӈ	Ӈ	Ӈ	Ӈ	Ӈ	Ӈ	Ӈ	Ӈ	Ӈ	Ӈ	Ӈ
CYRILLIC SMALL LETTER EN WITH HOOK uni04C8	ӈ	ӈ	ӈ	ӈ	ӈ	ӈ	ӈ	ӈ	ӈ	ӈ	ӈ
CYRILLIC CAPITAL LETTER EN WITH TAIL uni04C9	Ӊ	Ӊ	Ӊ	Ӊ	Ӊ	Ӊ	Ӊ	Ӊ	Ӊ	Ӊ	Ӊ
CYRILLIC SMALL LETTER EN WITH TAIL uni04CA	ӊ	ӊ	ӊ	ӊ	ӊ	ӊ	ӊ	ӊ	ӊ	ӊ	ӊ
CYRILLIC CAPITAL LETTER KHAKASSIAN CHE uni04CB	Ӌ	Ӌ	Ӌ	Ӌ	Ӌ	Ӌ	Ӌ	Ӌ	Ӌ	Ӌ	Ӌ

CYRILLIC SMALL LETTER KHAKASSIAN CHE uni04CC	Ҍ	Ҍ	Ҍ	Ҍ	Ҍ	Ҍ	Ҍ	Ҍ	Ҍ	Ҍ	Ҍ
CYRILLIC CAPITAL LETTER EM WITH TAIL uni04CD	Ӎ	Ӎ	Ӎ	Ӎ	Ӎ	Ӎ	Ӎ	Ӎ	Ӎ	Ӎ	Ӎ
CYRILLIC SMALL LETTER EM WITH TAIL uni04CE	ӎ	ӎ	ӎ	ӎ	ӎ	ӎ	ӎ	ӎ	ӎ	ӎ	ӎ
CYRILLIC SMALL LETTER PALOCHKA uni04CF	ӏ	Ӏ	Ӏ	Ӏ	Ӏ	Ӏ	Ӏ	Ӏ	Ӏ	Ӏ	Ӏ
CYRILLIC CAPITAL LETTER A WITH BREVE uni04D0	Ӑ	Ӑ	Ӑ	Ӑ	Ӑ	Ӑ	Ӑ	Ӑ	Ӑ	Ӑ	Ӑ
CYRILLIC SMALL LETTER A WITH BREVE uni04D1	ӑ	ӑ	ӑ	ӑ	ӑ	ӑ	ӑ	ӑ	ӑ	ӑ	ӑ
CYRILLIC CAPITAL LETTER A WITH DIAERESIS uni04D2	Ӓ	Ӓ	Ӓ	Ӓ	Ӓ	Ӓ	Ӓ	Ӓ	Ӓ	Ӓ	Ӓ
CYRILLIC SMALL LETTER A WITH DIAERESIS uni04D3	ӓ	ӓ	ӓ	ӓ	ӓ	ӓ	ӓ	ӓ	ӓ	ӓ	ӓ
CYRILLIC CAPITAL LIGATURE A IE uni04D4	Ӕ	Ӕ	Ӕ	Ӕ	Ӕ	Ӕ	Ӕ	Ӕ	Ӕ	Ӕ	Ӕ
CYRILLIC SMALL LIGATURE A IE uni04D5	ӕ	ӕ	ӕ	ӕ	ӕ	ӕ	ӕ	ӕ	ӕ	ӕ	ӕ
CYRILLIC CAPITAL LETTER IE WITH BREVE uni04D6	Ӗ	Ӗ	Ӗ	Ӗ	Ӗ	Ӗ	Ӗ	Ӗ	Ӗ	Ӗ	Ӗ
CYRILLIC SMALL LETTER IE WITH BREVE uni04D7	ӗ	ӗ	ӗ	ӗ	ӗ	ӗ	ӗ	ӗ	ӗ	ӗ	ӗ
CYRILLIC CAPITAL LETTER SCHWA uni04D8	Ә	Ә	Ә	Ә	Ә	Ә	Ә	Ә	Ә	Ә	Ә
CYRILLIC SMALL LETTER SCHWA uni04D9	ә	ә	ә	ә	ә	ә	ә	ә	ә	ә	ә
CYRILLIC CAPITAL LETTER SCHWA WITH DIAERESIS uni04DA	Ӛ	Ӛ	Ӛ	Ӛ	Ӛ	Ӛ	Ӛ	Ӛ	Ӛ	Ӛ	Ӛ
CYRILLIC SMALL LETTER SCHWA WITH DIAERESIS uni04DB	ӛ	ӛ	ӛ	ӛ	ӛ	ӛ	ӛ	ӛ	ӛ	ӛ	ӛ
CYRILLIC CAPITAL LETTER ZHE WITH	Ӝ	Ӝ	Ӝ	Ӝ	Ӝ	Ӝ	Ӝ	Ӝ	Ӝ	Ӝ	Ӝ

DIAERESIS uni04DC											
CYRILLIC SMALL LETTER ZHE WITH DIAERESIS uni04DD	ж	ӝ	ӝ	ӝ	ӝ	ӝ	ӝ	ӝ	ӝ	ӝ	ӝ
CYRILLIC CAPITAL LETTER ZE WITH DIAERESIS uni04DE	З	Ӟ	Ӟ	Ӟ	Ӟ	Ӟ	Ӟ	Ӟ	Ӟ	Ӟ	Ӟ
CYRILLIC SMALL LETTER ZE WITH DIAERESIS uni04DF	з	ӟ	ӟ	ӟ	ӟ	ӟ	ӟ	ӟ	ӟ	ӟ	ӟ
CYRILLIC CAPITAL LETTER ABKHASIAN DZE uni04E0	Ꙁ	Ꙁ	Ꙁ	Ꙁ	Ꙁ	Ꙁ	Ꙁ	Ꙁ	Ꙁ	Ꙁ	Ꙁ
CYRILLIC SMALL LETTER ABKHASIAN DZE uni04E1	ꙁ	ꙁ	ꙁ	ꙁ	ꙁ	ꙁ	ꙁ	ꙁ	ꙁ	ꙁ	ꙁ
CYRILLIC CAPITAL LETTER I WITH MACRON uni04E2	Ӣ	Ӣ	Ӣ	Ӣ	Ӣ	Ӣ	Ӣ	Ӣ	Ӣ	Ӣ	Ӣ
CYRILLIC SMALL LETTER I WITH MACRON uni04E3	ӣ	ӣ	ӣ	ӣ	ӣ	ӣ	ӣ	ӣ	ӣ	ӣ	ӣ
CYRILLIC CAPITAL LETTER I WITH DIAERESIS uni04E4	Ӣ̈	Ӣ̈	Ӣ̈	Ӣ̈	Ӣ̈	Ӣ̈	Ӣ̈	Ӣ̈	Ӣ̈	Ӣ̈	Ӣ̈
CYRILLIC SMALL LETTER I WITH DIAERESIS uni04E5	ӣ̈	ӣ̈	ӣ̈	ӣ̈	ӣ̈	ӣ̈	ӣ̈	ӣ̈	ӣ̈	ӣ̈	ӣ̈
CYRILLIC CAPITAL LETTER O WITH DIAERESIS uni04E6	Ӧ	Ӧ	Ӧ	Ӧ	Ӧ	Ӧ	Ӧ	Ӧ	Ӧ	Ӧ	Ӧ
CYRILLIC SMALL LETTER O WITH DIAERESIS uni04E7	ӧ	ӧ	ӧ	ӧ	ӧ	ӧ	ӧ	ӧ	ӧ	ӧ	ӧ
CYRILLIC CAPITAL LETTER BARRED O uni04E8	Ө	Ө	Ө	Ө	Ө	Ө	Ө	Ө	Ө	Ө	Ө
CYRILLIC SMALL LETTER BARRED O uni04E9	ө	ө	ө	ө	ө	ө	ө	ө	ө	ө	ө
CYRILLIC CAPITAL LETTER BARRED O WITH DIAERESIS uni04EA	Ӧ̈	Ӧ̈	Ӧ̈	Ӧ̈	Ӧ̈	Ӧ̈	Ӧ̈	Ӧ̈	Ӧ̈	Ӧ̈	Ӧ̈
CYRILLIC SMALL LETTER BARRED O WITH DIAERESIS uni04EB	ӧ̈	ӧ̈	ӧ̈	ӧ̈	ӧ̈	ӧ̈	ӧ̈	ӧ̈	ӧ̈	ӧ̈	ӧ̈
CYRILLIC	Ӭ	Ӭ	Ӭ	Ӭ	Ӭ	Ӭ	Ӭ	Ӭ	Ӭ	Ӭ	Ӭ

CYRILLIC CAPITAL LETTER E WITH DIAERESIS uni04EC	Ӭ	Ӭ	Ӭ	Ӭ	Ӭ	Ӭ	Ӭ	Ӭ	Ӭ	Ӭ	Ӭ
CYRILLIC SMALL LETTER E WITH DIAERESIS uni04ED	ӭ	ӭ	ӭ	ӭ	ӭ	ӭ	ӭ	ӭ	ӭ	ӭ	ӭ
CYRILLIC CAPITAL LETTER U WITH MACRON uni04EE	Ӯ	Ӯ	Ӯ	Ӯ	Ӯ	Ӯ	Ӯ	Ӯ	Ӯ	Ӯ	Ӯ
CYRILLIC SMALL LETTER U WITH MACRON uni04EF	ӯ	ӯ	ӯ	ӯ	ӯ	ӯ	ӯ	ӯ	ӯ	ӯ	ӯ
CYRILLIC CAPITAL LETTER U WITH DIAERESIS uni04F0	Ӱ	Ӱ	Ӱ	Ӱ	Ӱ	Ӱ	Ӱ	Ӱ	Ӱ	Ӱ	Ӱ
CYRILLIC SMALL LETTER U WITH DIAERESIS uni04F1	ӱ	ӱ	ӱ	ӱ	ӱ	ӱ	ӱ	ӱ	ӱ	ӱ	ӱ
CYRILLIC CAPITAL LETTER U WITH DOUBLE ACUTE uni04F2	Ӳ	Ӳ	Ӳ	Ӳ	Ӳ	Ӳ	Ӳ	Ӳ	Ӳ	Ӳ	Ӳ
CYRILLIC SMALL LETTER U WITH DOUBLE ACUTE uni04F3	ӳ	ӳ	ӳ	ӳ	ӳ	ӳ	ӳ	ӳ	ӳ	ӳ	ӳ
CYRILLIC CAPITAL LETTER CHE WITH DIAERESIS uni04F4	Ӵ	Ӵ	Ӵ	Ӵ	Ӵ	Ӵ	Ӵ	Ӵ	Ӵ	Ӵ	Ӵ
CYRILLIC SMALL LETTER CHE WITH DIAERESIS uni04F5	ӵ	ӵ	ӵ	ӵ	ӵ	ӵ	ӵ	ӵ	ӵ	ӵ	ӵ
CYRILLIC CAPITAL LETTER GHE WITH DESCENDER uni04F6	Ҷ	Ҷ	Ҷ	Ҷ	Ҷ	Ҷ	Ҷ	Ҷ	Ҷ	Ҷ	Ҷ
CYRILLIC SMALL LETTER GHE WITH DESCENDER uni04F7	ҷ	ҷ	ҷ	ҷ	ҷ	ҷ	ҷ	ҷ	ҷ	ҷ	ҷ
CYRILLIC CAPITAL LETTER YERU WITH DIAERESIS uni04F8	Ӹ	Ӹ	Ӹ	Ӹ	Ӹ	Ӹ	Ӹ	Ӹ	Ӹ	Ӹ	Ӹ
CYRILLIC SMALL LETTER YERU WITH DIAERESIS uni04F9	ӹ	ӹ	ӹ	ӹ	ӹ	ӹ	ӹ	ӹ	ӹ	ӹ	ӹ
CYRILLIC CAPITAL LETTER GHE WITH STROKE AND HOOK uni04FA	Ҽ	Ҽ	Ҽ	Ҽ	Ҽ	Ҽ	Ҽ	Ҽ	Ҽ	Ҽ	Ҽ

CYRILLIC SMALL LETTER GHE WITH STROKE AND HOOK uni04FB	ҒҒ	ҒҒ	ҒҒ	ҒҒ	ҒҒ	ҒҒ	ҒҒ	ҒҒ	ҒҒ	ҒҒ	ҒҒ
CYRILLIC CAPITAL LETTER HA WITH HOOK uni04FC	ҲҲ	ҲҲ	ҲҲ	ҲҲ	ҲҲ	ҲҲ	ҲҲ	ҲҲ	ҲҲ	ҲҲ	ҲҲ
CYRILLIC SMALL LETTER HA WITH HOOK uni04FD	ҳҳ	ҳҳ	ҳҳ	ҳҳ	ҳҳ	ҳҳ	ҳҳ	ҳҳ	ҳҳ	ҳҳ	ҳҳ
CYRILLIC CAPITAL LETTER HA WITH STROKE uni04FE	ҺҺ	ҺҺ	ҺҺ	ҺҺ	ҺҺ	ҺҺ	ҺҺ	ҺҺ	ҺҺ	ҺҺ	ҺҺ
CYRILLIC SMALL LETTER HA WITH STROKE uni04FF	ҺҺ	ҺҺ	ҺҺ	ҺҺ	ҺҺ	ҺҺ	ҺҺ	ҺҺ	ҺҺ	ҺҺ	ҺҺ
CYRILLIC CAPITAL LETTER KOMI DE uni0500	ԀԀ	ԀԀ	ԀԀ	ԀԀ	ԀԀ	ԀԀ	ԀԀ	ԀԀ	ԀԀ	ԀԀ	ԀԀ
CYRILLIC SMALL LETTER KOMI DE uni0501	ԁԁ	ԁԁ	ԁԁ	ԁԁ	ԁԁ	ԁԁ	ԁԁ	ԁԁ	ԁԁ	ԁԁ	ԁԁ
CYRILLIC CAPITAL LETTER KOMI DJE uni0502	ԂԂ	ԂԂ	ԂԂ	ԂԂ	ԂԂ	ԂԂ	ԂԂ	ԂԂ	ԂԂ	ԂԂ	ԂԂ
CYRILLIC SMALL LETTER KOMI DJE uni0503	ԃԃ	ԃԃ	ԃԃ	ԃԃ	ԃԃ	ԃԃ	ԃԃ	ԃԃ	ԃԃ	ԃԃ	ԃԃ
CYRILLIC CAPITAL LETTER KOMI ZJE uni0504	ԄԄ	ԄԄ	ԄԄ	ԄԄ	ԄԄ	ԄԄ	ԄԄ	ԄԄ	ԄԄ	ԄԄ	ԄԄ
CYRILLIC SMALL LETTER KOMI ZJE uni0505	ԅԅ	ԅԅ	ԅԅ	ԅԅ	ԅԅ	ԅԅ	ԅԅ	ԅԅ	ԅԅ	ԅԅ	ԅԅ
CYRILLIC CAPITAL LETTER KOMI DZJE uni0506	ԆԆ	ԆԆ	ԆԆ	ԆԆ	ԆԆ	ԆԆ	ԆԆ	ԆԆ	ԆԆ	ԆԆ	ԆԆ
CYRILLIC SMALL LETTER KOMI DZJE uni0507	ԇԇ	ԇԇ	ԇԇ	ԇԇ	ԇԇ	ԇԇ	ԇԇ	ԇԇ	ԇԇ	ԇԇ	ԇԇ
CYRILLIC CAPITAL LETTER KOMI LJE uni0508	ԈԈ	ԈԈ	ԈԈ	ԈԈ	ԈԈ	ԈԈ	ԈԈ	ԈԈ	ԈԈ	ԈԈ	ԈԈ
CYRILLIC SMALL LETTER KOMI LJE uni0509	ԉԉ	ԉԉ	ԉԉ	ԉԉ	ԉԉ	ԉԉ	ԉԉ	ԉԉ	ԉԉ	ԉԉ	ԉԉ
CYRILLIC CAPITAL LETTER KOMI NJE uni050A	ԊԊ	ԊԊ	ԊԊ	ԊԊ	ԊԊ	ԊԊ	ԊԊ	ԊԊ	ԊԊ	ԊԊ	ԊԊ
CYRILLIC SMALL LETTER KOMI NJE uni050B	ԋԋ	ԋԋ	ԋԋ	ԋԋ	ԋԋ	ԋԋ	ԋԋ	ԋԋ	ԋԋ	ԋԋ	ԋԋ

uni050B

CYRILLIC CAPITAL LETTER KOMI SJE uni050C	Ԍ	Ԍ	Ԍ	Ԍ	Ԍ	Ԍ	Ԍ	Ԍ	Ԍ	Ԍ	Ԍ
CYRILLIC SMALL LETTER KOMI SJE uni050D	ԍ	ԍ	ԍ	ԍ	ԍ	ԍ	ԍ	ԍ	ԍ	ԍ	ԍ
CYRILLIC CAPITAL LETTER KOMI TJE uni050E	Ԏ	Ԏ	Ԏ	Ԏ	Ԏ	Ԏ	Ԏ	Ԏ	Ԏ	Ԏ	Ԏ
CYRILLIC SMALL LETTER KOMI TJE uni050F	ԏ	ԏ	ԏ	ԏ	ԏ	ԏ	ԏ	ԏ	ԏ	ԏ	ԏ
CYRILLIC CAPITAL LETTER REVERSED ZE uni0510	Ԑ	Ԑ	Ԑ	Ԑ	Ԑ	Ԑ	Ԑ	Ԑ	Ԑ	Ԑ	Ԑ
CYRILLIC SMALL LETTER REVERSED ZE uni0511	ԑ	ԑ	ԑ	ԑ	ԑ	ԑ	ԑ	ԑ	ԑ	ԑ	ԑ
CYRILLIC CAPITAL LETTER EL WITH HOOK uni0512	Ԓ	Ԓ	Ԓ	Ԓ	Ԓ	Ԓ	Ԓ	Ԓ	Ԓ	Ԓ	Ԓ
CYRILLIC SMALL LETTER EL WITH HOOK uni0513	ԓ	ԓ	ԓ	ԓ	ԓ	ԓ	ԓ	ԓ	ԓ	ԓ	ԓ
LATIN CAPITAL LETTER A WITH RING BELOW uni1E00	Ạ̊	Ạ̊	Ạ̊	Ạ̊	Ạ̊	Ạ̊	Ạ̊	Ạ̊	Ạ̊	Ạ̊	Ạ̊
LATIN SMALL LETTER A WITH RING BELOW uni1E01	ạ̊	ạ̊	ạ̊	ạ̊	ạ̊	ạ̊	ạ̊	ạ̊	ạ̊	ạ̊	ạ̊
LATIN CAPITAL LETTER M WITH ACUTE uni1E3E	Ḿ	Ḿ	Ḿ	Ḿ	Ḿ	Ḿ	Ḿ	Ḿ	Ḿ	Ḿ	Ḿ
LATIN SMALL LETTER M WITH ACUTE uni1E3F	ḿ	ḿ	ḿ	ḿ	ḿ	ḿ	ḿ	ḿ	ḿ	ḿ	ḿ
LATIN CAPITAL LETTER W WITH GRAVE uni1E80	Ẁ	Ẁ	Ẁ	Ẁ	Ẁ	Ẁ	Ẁ	Ẁ	Ẁ	Ẁ	Ẁ
LATIN SMALL LETTER W WITH GRAVE uni1E81	ẁ	ẁ	ẁ	ẁ	ẁ	ẁ	ẁ	ẁ	ẁ	ẁ	ẁ
LATIN CAPITAL LETTER W WITH ACUTE uni1E82	Ẃ	Ẃ	Ẃ	Ẃ	Ẃ	Ẃ	Ẃ	Ẃ	Ẃ	Ẃ	Ẃ
LATIN SMALL LETTER W WITH ACUTE uni1E83	ẃ	ẃ	ẃ	ẃ	ẃ	ẃ	ẃ	ẃ	ẃ	ẃ	ẃ
LATIN CAPITAL LETTER W WITH	Ẅ	Ẅ	Ẅ	Ẅ	Ẅ	Ẅ	Ẅ	Ẅ	Ẅ	Ẅ	Ẅ

DIAERESIS uni1E84											
LATIN SMALL LETTER W WITH DIAERESIS uni1E85	ẅ	Ẅ	Ẅ	Ẅ	Ẅ	Ẅ	Ẅ	Ẅ	Ẅ	Ẅ	Ẅ
LATIN CAPITAL LETTER A WITH DOT BELOW uni1EA0	Ạ	Ạ	Ạ	Ạ	Ạ	Ạ	Ạ	Ạ	Ạ	Ạ	Ạ
LATIN SMALL LETTER A WITH DOT BELOW uni1EA1	ạ	ạ	ạ	ạ	ạ	ạ	ạ	ạ	ạ	ạ	ạ
LATIN CAPITAL LETTER A WITH HOOK ABOVE uni1EA2	Ả	Ả	Ả	Ả	Ả	Ả	Ả	Ả	Ả	Ả	Ả
LATIN SMALL LETTER A WITH HOOK ABOVE uni1EA3	ả	ả	ả	ả	ả	ả	ả	ả	ả	ả	ả
LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND ACUTE uni1EA4	Ấ	Ấ	Ấ	Ấ	Ấ	Ấ	Ấ	Ấ	Ấ	Ấ	Ấ
LATIN SMALL LETTER A WITH CIRCUMFLEX AND ACUTE uni1EA5	ấ	ấ	ấ	ấ	ấ	ấ	ấ	ấ	ấ	ấ	ấ
LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND GRAVE uni1EA6	Ầ	Ầ	Ầ	Ầ	Ầ	Ầ	Ầ	Ầ	Ầ	Ầ	Ầ
LATIN SMALL LETTER A WITH CIRCUMFLEX AND GRAVE uni1EA7	ầ	ầ	ầ	ầ	ầ	ầ	ầ	ầ	ầ	ầ	ầ
LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND HOOK ABOVE uni1EA8	Ẩ	Ẩ	Ẩ	Ẩ	Ẩ	Ẩ	Ẩ	Ẩ	Ẩ	Ẩ	Ẩ
LATIN SMALL LETTER A WITH CIRCUMFLEX AND HOOK ABOVE uni1EA9	ẩ	ẩ	ẩ	ẩ	ẩ	ẩ	ẩ	ẩ	ẩ	ẩ	ẩ
LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND TILDE uni1EAA	Ẫ	Ẫ	Ẫ	Ẫ	Ẫ	Ẫ	Ẫ	Ẫ	Ẫ	Ẫ	Ẫ
LATIN SMALL LETTER A WITH CIRCUMFLEX AND TILDE uni1EAB	ẫ	ẫ	ẫ	ẫ	ẫ	ẫ	ẫ	ẫ	ẫ	ẫ	ẫ
LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND DOT BELOW uni1EAC	Ậ	Ậ	Ậ	Ậ	Ậ	Ậ	Ậ	Ậ	Ậ	Ậ	Ậ

LATIN SMALL LETTER A WITH CIRCUMFLEX AND DOT BELOW uni1EAD	ậ	ậ	ậ	ậ	ậ	ậ	ậ	ậ	ậ	ậ	ậ
LATIN CAPITAL LETTER A WITH BREVE AND ACUTE uni1EAE	Ắ	Ắ	Ắ	Ắ	Ắ	Ắ	Ắ	Ắ	Ắ	Ắ	Ắ
LATIN SMALL LETTER A WITH BREVE AND ACUTE uni1EAF	ắ	ắ	ắ	ắ	ắ	ắ	ắ	ắ	ắ	ắ	ắ
LATIN CAPITAL LETTER A WITH BREVE AND GRAVE uni1EB0	Ằ	Ằ	Ằ	Ằ	Ằ	Ằ	Ằ	Ằ	Ằ	Ằ	Ằ
LATIN SMALL LETTER A WITH BREVE AND GRAVE uni1EB1	ằ	ằ	ằ	ằ	ằ	ằ	ằ	ằ	ằ	ằ	ằ
LATIN CAPITAL LETTER A WITH BREVE AND HOOK ABOVE uni1EB2	Ẳ	Ẳ	Ẳ	Ẳ	Ẳ	Ẳ	Ẳ	Ẳ	Ẳ	Ẳ	Ẳ
LATIN SMALL LETTER A WITH BREVE AND HOOK ABOVE uni1EB3	ẳ	ẳ	ẳ	ẳ	ẳ	ẳ	ẳ	ẳ	ẳ	ẳ	ẳ
LATIN CAPITAL LETTER A WITH BREVE AND TILDE uni1EB4	Ẵ	Ẵ	Ẵ	Ẵ	Ẵ	Ẵ	Ẵ	Ẵ	Ẵ	Ẵ	Ẵ
LATIN SMALL LETTER A WITH BREVE AND TILDE uni1EB5	ẵ	ẵ	ẵ	ẵ	ẵ	ẵ	ẵ	ẵ	ẵ	ẵ	ẵ
LATIN CAPITAL LETTER A WITH BREVE AND DOT BELOW uni1EB6	Ặ	Ặ	Ặ	Ặ	Ặ	Ặ	Ặ	Ặ	Ặ	Ặ	Ặ
LATIN SMALL LETTER A WITH BREVE AND DOT BELOW uni1EB7	ặ	ặ	ặ	ặ	ặ	ặ	ặ	ặ	ặ	ặ	ặ
LATIN CAPITAL LETTER E WITH DOT BELOW uni1EB8	Ẹ	Ẹ	Ẹ	Ẹ	Ẹ	Ẹ	Ẹ	Ẹ	Ẹ	Ẹ	Ẹ
LATIN SMALL LETTER E WITH DOT BELOW uni1EB9	ẹ	ẹ	ẹ	ẹ	ẹ	ẹ	ẹ	ẹ	ẹ	ẹ	ẹ
LATIN CAPITAL LETTER E WITH HOOK ABOVE uni1EBA	Ẻ	Ẻ	Ẻ	Ẻ	Ẻ	Ẻ	Ẻ	Ẻ	Ẻ	Ẻ	Ẻ
LATIN SMALL	ẻ	ẻ	ẻ	ẻ	ẻ	ẻ	ẻ	ẻ	ẻ	ẻ	ẻ

LATIN SMALL LETTER E WITH HOOK ABOVE uni1EBB	ẻ	ẻ	ẻ	ẻ	ẻ	ẻ	ẻ	ẻ	ẻ	ẻ	ẻ
LATIN CAPITAL LETTER E WITH TILDE uni1EBC	Ẽ	Ẽ	Ẽ	Ẽ	Ẽ	Ẽ	Ẽ	Ẽ	Ẽ	Ẽ	Ẽ
LATIN SMALL LETTER E WITH TILDE uni1EBD	ẽ	ẽ	ẽ	ẽ	ẽ	ẽ	ẽ	ẽ	ẽ	ẽ	ẽ
LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND ACUTE uni1EBE	Ế	Ế	Ế	Ế	Ế	Ế	Ế	Ế	Ế	Ế	Ế
LATIN SMALL LETTER E WITH CIRCUMFLEX AND ACUTE uni1EBF	ế	ế	ế	ế	ế	ế	ế	ế	ế	ế	ế
LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND GRAVE uni1EC0	Ề	Ề	Ề	Ề	Ề	Ề	Ề	Ề	Ề	Ề	Ề
LATIN SMALL LETTER E WITH CIRCUMFLEX AND GRAVE uni1EC1	ề	ề	ề	ề	ề	ề	ề	ề	ề	ề	ề
LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND HOOK ABOVE uni1EC2	Ể	Ể	Ể	Ể	Ể	Ể	Ể	Ể	Ể	Ể	Ể
LATIN SMALL LETTER E WITH CIRCUMFLEX AND HOOK ABOVE uni1EC3	ể	ể	ể	ể	ể	ể	ể	ể	ể	ể	ể
LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND TILDE uni1EC4	Ễ	Ễ	Ễ	Ễ	Ễ	Ễ	Ễ	Ễ	Ễ	Ễ	Ễ
LATIN SMALL LETTER E WITH CIRCUMFLEX AND TILDE uni1EC5	ễ	ễ	ễ	ễ	ễ	ễ	ễ	ễ	ễ	ễ	ễ
LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND DOT BELOW uni1EC6	Ệ	Ệ	Ệ	Ệ	Ệ	Ệ	Ệ	Ệ	Ệ	Ệ	Ệ
LATIN SMALL LETTER E WITH CIRCUMFLEX AND DOT BELOW uni1EC7	ệ	ệ	ệ	ệ	ệ	ệ	ệ	ệ	ệ	ệ	ệ
LATIN CAPITAL LETTER I WITH HOOK ABOVE uni1EC8	Ỉ	Ỉ	Ỉ	Ỉ	Ỉ	Ỉ	Ỉ	Ỉ	Ỉ	Ỉ	Ỉ
LATIN SMALL	ỉ	ỉ	ỉ	ỉ	ỉ	ỉ	ỉ	ỉ	ỉ	ỉ	ỉ

LETTER I WITH HOOK ABOVE uni1EC9	ỉ	Ỉ	Ỉ	Ỉ	Ỉ	Ỉ	Ỉ	Ỉ	Ỉ	Ỉ	Ỉ
LATIN CAPITAL LETTER I WITH DOT BELOW uni1ECA	Ị	Ị	Ị	Ị	Ị	Ị	Ị	Ị	Ị	Ị	Ị
LATIN SMALL LETTER I WITH DOT BELOW uni1ECB	ị	ị	ị	ị	ị	ị	ị	ị	ị	ị	ị
LATIN CAPITAL LETTER O WITH DOT BELOW uni1ECC	Ọ	Ọ	Ọ	Ọ	Ọ	Ọ	Ọ	Ọ	Ọ	Ọ	Ọ
LATIN SMALL LETTER O WITH DOT BELOW uni1ECD	ọ	ọ	ọ	ọ	ọ	ọ	ọ	ọ	ọ	ọ	ọ
LATIN CAPITAL LETTER O WITH HOOK ABOVE uni1ECE	Ỏ	Ỏ	Ỏ	Ỏ	Ỏ	Ỏ	Ỏ	Ỏ	Ỏ	Ỏ	Ỏ
LATIN SMALL LETTER O WITH HOOK ABOVE uni1ECF	ỏ	ỏ	ỏ	ỏ	ỏ	ỏ	ỏ	ỏ	ỏ	ỏ	ỏ
LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND ACUTE uni1ED0	Ố	Ố	Ố	Ố	Ố	Ố	Ố	Ố	Ố	Ố	Ố
LATIN SMALL LETTER O WITH CIRCUMFLEX AND ACUTE uni1ED1	ố	ố	ố	ố	ố	ố	ố	ố	ố	ố	ố
LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND GRAVE uni1ED2	Ồ	Ồ	Ồ	Ồ	Ồ	Ồ	Ồ	Ồ	Ồ	Ồ	Ồ
LATIN SMALL LETTER O WITH CIRCUMFLEX AND GRAVE uni1ED3	ồ	ồ	ồ	ồ	ồ	ồ	ồ	ồ	ồ	ồ	ồ
LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND HOOK ABOVE uni1ED4	Ổ	Ổ	Ổ	Ổ	Ổ	Ổ	Ổ	Ổ	Ổ	Ổ	Ổ
LATIN SMALL LETTER O WITH CIRCUMFLEX AND HOOK ABOVE uni1ED5	ổ	ổ	ổ	ổ	ổ	ổ	ổ	ổ	ổ	ổ	ổ
LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND TILDE uni1ED6	Ỗ	Ỗ	Ỗ	Ỗ	Ỗ	Ỗ	Ỗ	Ỗ	Ỗ	Ỗ	Ỗ
LATIN SMALL LETTER O WITH CIRCUMFLEX AND TILDE uni1ED7	ỗ	ỗ	ỗ	ỗ	ỗ	ỗ	ỗ	ỗ	ỗ	ỗ	ỗ

LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND DOT BELOW uni1ED8	Ộ	Ộ	Ộ	Ộ	Ộ	Ộ	Ộ	Ộ	Ộ	Ộ	Ộ
LATIN SMALL LETTER O WITH CIRCUMFLEX AND DOT BELOW uni1ED9	ộ	ộ	ộ	ộ	ộ	ộ	ộ	ộ	ộ	ộ	ộ
LATIN CAPITAL LETTER O WITH HORN AND ACUTE uni1EDA	Ớ	Ớ	Ớ	Ớ	Ớ	Ớ	Ớ	Ớ	Ớ	Ớ	Ớ
LATIN SMALL LETTER O WITH HORN AND ACUTE uni1EDB	ớ	ớ	ớ	ớ	ớ	ớ	ớ	ớ	ớ	ớ	ớ
LATIN CAPITAL LETTER O WITH HORN AND GRAVE uni1EDC	Ờ	Ờ	Ờ	Ờ	Ờ	Ờ	Ờ	Ờ	Ờ	Ờ	Ờ
LATIN SMALL LETTER O WITH HORN AND GRAVE uni1EDD	ờ	ờ	ờ	ờ	ờ	ờ	ờ	ờ	ờ	ờ	ờ
LATIN CAPITAL LETTER O WITH HORN AND HOOK ABOVE uni1EDE	Ở	Ở	Ở	Ở	Ở	Ở	Ở	Ở	Ở	Ở	Ở
LATIN SMALL LETTER O WITH HORN AND HOOK ABOVE uni1EDF	ở	ở	ở	ở	ở	ở	ở	ở	ở	ở	ở
LATIN CAPITAL LETTER O WITH HORN AND TILDE uni1EE0	Ỡ	Ỡ	Ỡ	Ỡ	Ỡ	Ỡ	Ỡ	Ỡ	Ỡ	Ỡ	Ỡ
LATIN SMALL LETTER O WITH HORN AND TILDE uni1EE1	ỡ	ỡ	ỡ	ỡ	ỡ	ỡ	ỡ	ỡ	ỡ	ỡ	ỡ
LATIN CAPITAL LETTER O WITH HORN AND DOT BELOW uni1EE2	Ợ	Ợ	Ợ	Ợ	Ợ	Ợ	Ợ	Ợ	Ợ	Ợ	Ợ
LATIN SMALL LETTER O WITH HORN AND DOT BELOW uni1EE3	ợ	ợ	ợ	ợ	ợ	ợ	ợ	ợ	ợ	ợ	ợ
LATIN CAPITAL LETTER U WITH DOT BELOW uni1EE4	Ụ	Ụ	Ụ	Ụ	Ụ	Ụ	Ụ	Ụ	Ụ	Ụ	Ụ
LATIN SMALL LETTER U WITH DOT BELOW uni1EE5	ụ	ụ	ụ	ụ	ụ	ụ	ụ	ụ	ụ	ụ	ụ
LATIN CAPITAL	Ủ	Ủ	Ủ	Ủ	Ủ	Ủ	Ủ	Ủ	Ủ	Ủ	Ủ

LETTER U WITH HOOK ABOVE uni1EE6											
LATIN SMALL LETTER U WITH HOOK ABOVE uni1EE7	ủ	ủ	ủ	ủ	ủ	ủ	ủ	ủ	ủ	ủ	ủ
LATIN CAPITAL LETTER U WITH HORN AND ACUTE uni1EE8	Ứ	Ứ	Ứ	Ứ	Ứ	Ứ	Ứ	Ứ	Ứ	Ứ	Ứ
LATIN SMALL LETTER U WITH HORN AND ACUTE uni1EE9	ứ	ứ	ứ	ứ	ứ	ứ	ứ	ứ	ứ	ứ	ứ
LATIN CAPITAL LETTER U WITH HORN AND GRAVE uni1EEA	Ừ	Ừ	Ừ	Ừ	Ừ	Ừ	Ừ	Ừ	Ừ	Ừ	Ừ
LATIN SMALL LETTER U WITH HORN AND GRAVE uni1EEB	ừ	ừ	ừ	ừ	ừ	ừ	ừ	ừ	ừ	ừ	ừ
LATIN CAPITAL LETTER U WITH HORN AND HOOK ABOVE uni1EEC	Ử	Ử	Ử	Ử	Ử	Ử	Ử	Ử	Ử	Ử	Ử
LATIN SMALL LETTER U WITH HORN AND HOOK ABOVE uni1EED	ử	ử	ử	ử	ử	ử	ử	ử	ử	ử	ử
LATIN CAPITAL LETTER U WITH HORN AND TILDE uni1EEE	Ữ	Ữ	Ữ	Ữ	Ữ	Ữ	Ữ	Ữ	Ữ	Ữ	Ữ
LATIN SMALL LETTER U WITH HORN AND TILDE uni1EEF	ữ	ữ	ữ	ữ	ữ	ữ	ữ	ữ	ữ	ữ	ữ
LATIN CAPITAL LETTER U WITH HORN AND DOT BELOW uni1EF0	Ự	Ự	Ự	Ự	Ự	Ự	Ự	Ự	Ự	Ự	Ự
LATIN SMALL LETTER U WITH HORN AND DOT BELOW uni1EF1	ự	ự	ự	ự	ự	ự	ự	ự	ự	ự	ự
LATIN CAPITAL LETTER Y WITH GRAVE uni1EF2	Ỳ	Ỳ	Ỳ	Ỳ	Ỳ	Ỳ	Ỳ	Ỳ	Ỳ	Ỳ	Ỳ
LATIN SMALL LETTER Y WITH GRAVE uni1EF3	ỳ	ỳ	ỳ	ỳ	ỳ	ỳ	ỳ	ỳ	ỳ	ỳ	ỳ
LATIN CAPITAL LETTER Y WITH DOT BELOW uni1EF4	Ỵ	Ỵ	Ỵ	Ỵ	Ỵ	Ỵ	Ỵ	Ỵ	Ỵ	Ỵ	Ỵ
LATIN SMALL	ỵ	ỵ	ỵ	ỵ	ỵ	ỵ	ỵ	ỵ	ỵ	ỵ	ỵ

LETTER Y WITH DOT BELOW uni1EF5	ỵ	ỵ	ỵ	ỵ	ỵ	ỵ	ỵ	ỵ	ỵ	ỵ	ỵ
LATIN CAPITAL LETTER Y WITH HOOK ABOVE uni1EF6	Ỷ	Ỷ	Ỷ	Ỷ	Ỷ	Ỷ	Ỷ	Ỷ	Ỷ	Ỷ	Ỷ
LATIN SMALL LETTER Y WITH HOOK ABOVE uni1EF7	ỷ	ỷ	ỷ	ỷ	ỷ	ỷ	ỷ	ỷ	ỷ	ỷ	ỷ
LATIN CAPITAL LETTER Y WITH TILDE uni1EF8	Ỹ	Ỹ	Ỹ	Ỹ	Ỹ	Ỹ	Ỹ	Ỹ	Ỹ	Ỹ	Ỹ
LATIN SMALL LETTER Y WITH TILDE uni1EF9	ỹ	ỹ	ỹ	ỹ	ỹ	ỹ	ỹ	ỹ	ỹ	ỹ	ỹ
GREEK CAPITAL LETTER OMICRON WITH DASIA AND OXIA uni1F4D	Ὸ	Ὸ	Ὸ	Ὸ	Ὸ	Ὸ	Ὸ	Ὸ	Ὸ	Ὸ	Ὸ
EN QUAD uni2000											
EM QUAD uni2001											
EN SPACE uni2002											
EM SPACE uni2003											
THREE-PER-EM SPACE uni2004											
FOUR-PER-EM SPACE uni2005											
SIX-PER-EM SPACE uni2006											
FIGURE SPACE uni2007											
PUNCTUATION SPACE uni2008											
THIN SPACE uni2009											
HAIR SPACE uni200A											
ZERO WIDTH SPACE uni200B											
EN DASH uni2013	–	–	–	–	–	–	–	–	–	–	–
EM DASH uni2014	—	—	—	—	—	—	—	—	—	—	—
HORIZONTAL BAR uni2015	―	―	―	―	―	―	―	―	―	―	―
DOUBLE LOW LINE	‗	‗	‗	‗	‗	‗	‗	‗	‗	‗	‗

uni2017											
LEFT SINGLE QUOTATION MARK uni2018	‘	‘	‘	‘	‘	‘	‘	‘	‘	‘	‘
RIGHT SINGLE QUOTATION MARK uni2019	’	’	’	’	’	’	’	’	’	’	’
SINGLE LOW-9 QUOTATION MARK uni201A	‚	‚	‚	‚	‚	‚	‚	‚	‚	‚	‚
SINGLE HIGH-REVERSED-9 QUOTATION MARK uni201B	‛	‛	‛	‛	‛	‛	‛	‛	‛	‛	‛
LEFT DOUBLE QUOTATION MARK uni201C	“	“	“	“	“	“	“	“	“	“	“
RIGHT DOUBLE QUOTATION MARK uni201D	”	”	”	”	”	”	”	”	”	”	”
DOUBLE LOW-9 QUOTATION MARK uni201E	„	„	„	„	„	„	„	„	„	„	„
DAGGER uni2020	†	†	†	†	†	†	†	†	†	†	†
DOUBLE DAGGER uni2021	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
BULLET uni2022	•	•	•	•	•	•	•	•	•	•	•
TWO DOT LEADER uni2025	‥	‥	‥	‥	‥	‥	‥	‥	‥	‥	‥
HORIZONTAL ELLIPSIS uni2026	…	…	…	…	…	…	…	…	…	…	…
PER MILLE SIGN uni2030	‰	‰	‰	‰	‰	‰	‰	‰	‰	‰	‰
PRIME uni2032	′	′	′	′	′	′	′	′	′	′	′
DOUBLE PRIME uni2033	″	″	″	″	″	″	″	″	″	″	″
SINGLE LEFT-POINTING ANGLE QUOTATION MARK uni2039	‹	‹	‹	‹	‹	‹	‹	‹	‹	‹	‹
SINGLE RIGHT-POINTING ANGLE QUOTATION MARK uni203A	›	›	›	›	›	›	›	›	›	›	›
DOUBLE EXCLAMATION MARK uni203C	‼	‼	‼	‼	‼	‼	‼	‼	‼	‼	‼
FRACTION SLASH uni2044	⁄	⁄	⁄	⁄	⁄	⁄	⁄	⁄	⁄	⁄	⁄

uni2044											
SUPERSCRIPT FOUR uni2074	4	4	4	4	4	4	4	4	4	4	4
SUPERSCRIPT LATIN SMALL LETTER N uni207F	n	n	n	n	n	n	n	n	n	n	n
FRENCH FRANC SIGN uni20A3	₣	₣	₣	₣	₣	₣	₣	₣	₣	₣	₣
LIRA SIGN uni20A4	₤	₤	₤	₤	₤	₤	₤	₤	₤	₤	₤
PESETA SIGN uni20A7	₧	₧	₧	₧	₧	₧	₧	₧	₧	₧	₧
DONG SIGN uni20AB	₫	₫	₫	₫	₫	₫	₫	₫	₫	₫	₫
EURO SIGN uni20AC	€	€	€	€	€	€	€	€	€	€	€
CARE OF uni2105	℅	℅	℅	℅	℅	℅	℅	℅	℅	℅	℅
SCRIPT SMALL L uni2113	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ
NUMERO SIGN uni2116	№	№	№	№	№	№	№	№	№	№	№
TRADE MARK SIGN uni2122	™	™	™	™	™	™	™	™	™	™	™
OHM SIGN uni2126	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω
ESTIMATED SYMBOL uni212E	℮	℮	℮	℮	℮	℮	℮	℮	℮	℮	℮
VULGAR FRACTION ONE EIGHTH uni215B	⅛	⅛	⅛	⅛	⅛	⅛	⅛	⅛	⅛	⅛	⅛
VULGAR FRACTION THREE EIGHTHS uni215C	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜
VULGAR FRACTION FIVE EIGHTHS uni215D	⅝	⅝	⅝	⅝	⅝	⅝	⅝	⅝	⅝	⅝	⅝
VULGAR FRACTION SEVEN EIGHTHS uni215E	⅞	⅞	⅞	⅞	⅞	⅞	⅞	⅞	⅞	⅞	⅞
PARTIAL DIFFERENTIAL uni2202	∂	∂	∂	∂	∂	∂	∂	∂	∂	∂	∂
INCREMENT uni2206	∆	∆	∆	∆	∆	∆	∆	∆	∆	∆	∆
N-ARY PRODUCT uni220F	∏	∏	∏	∏	∏	∏	∏	∏	∏	∏	∏
N-ARY SUMMATION uni2211	∑	∑	∑	∑	∑	∑	∑	∑	∑	∑	∑
MINUS SIGN uni2212	−	−	−	−	−	−	−	−	−	−	−

DIVISION SLASH uni2215	∕	/	/	/	/	/	/	/	/	/	/
SQUARE ROOT uni221A	√	√	√	√	√	√	√	√	√	√	√
INFINITY uni221E	∞	∞	∞	∞	∞	∞	∞	∞	∞	∞	∞
INTEGRAL uni222B	∫	∫	∫	∫	∫	∫	∫	∫	∫	∫	∫
ALMOST EQUAL TO uni2248	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈
NOT EQUAL TO uni2260	≠	≠	≠	≠	≠	≠	≠	≠	≠	≠	≠
LESS-THAN OR EQUAL TO uni2264	≤	≤	≤	≤	≤	≤	≤	≤	≤	≤	≤
GREATER-THAN OR EQUAL TO uni2265	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥
LOZENGE uni25CA	◊	◊	◊	◊	◊	◊	◊	◊	◊	◊	◊
uniF6C3	,	,	,	,	,	,	,	,	,	,	,
ZERO WIDTH NO-BREAK SPACE uniFEFF											
OBJECT REPLACEMENT CHARACTER uniFFFC											
REPLACEMENT CHARACTER uniFFFD	?	?	?	?	?	?	?	?	?	?	?
two.sup Ending "sup" ≠ OT Feature (cannot display this character) feature	2	2	2	2	2	2	2	2	2	2	2
circumflextildecomb Cannot display because feature tag is missing in name.	?	?	?	?	?	?	?	?	?	?	?
circumflexhookcomb Cannot display because feature tag is missing in name.	?	?	?	?	?	?	?	?	?	?	?
circumflexgravecomb Cannot display because feature tag is missing in name.	?	?	?	?	?	?	?	?	?	?	?
circumflexacutecomb Cannot display because feature tag is missing in name.	?	?	?	?	?	?	?	?	?	?	?
brevegravecomb Cannot display because feature tag is missing in name.	?	?	?	?	?	?	?	?	?	?	?

commaaccentrotate Cannot display because feature tag is missing in name.	?	?	?	?	?	?	?	?	?	?	?
A.smcp smcp feature	A	A	A	A	A	A	A	A	A	A	A
B.smcp smcp feature	B	B	B	B	B	B	B	B	B	B	B
C.smcp smcp feature	C	C	C	C	C	C	C	C	C	C	C
D.smcp smcp feature	D	D	D	D	D	D	D	D	D	D	D
E.smcp smcp feature	E	E	E	E	E	E	E	E	E	E	E
F.smcp smcp feature	F	F	F	F	F	F	F	F	F	F	F
G.smcp smcp feature	G	G	G	G	G	G	G	G	G	G	G
H.smcp smcp feature	H	H	H	H	H	H	H	H	H	H	H
I.smcp smcp feature	I	I	I	I	I	I	I	I	I	I	I
J.smcp smcp feature	J	J	J	J	J	J	J	J	J	J	J
K.smcp smcp feature	K	K	K	K	K	K	K	K	K	K	K
L.smcp smcp feature	L	L	L	L	L	L	L	L	L	L	L
M.smcp smcp feature	M	M	M	M	M	M	M	M	M	M	M
N.smcp smcp feature	N	N	N	N	N	N	N	N	N	N	N
O.smcp smcp feature	O	O	O	O	O	O	O	O	O	O	O
Q.smcp smcp feature	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
R.smcp smcp feature	R	R	R	R	R	R	R	R	R	R	R
S.smcp smcp feature	S	S	S	S	S	S	S	S	S	S	S
T.smcp smcp feature	T	T	T	T	T	T	T	T	T	T	T
U.smcp smcp feature	U	U	U	U	U	U	U	U	U	U	U
V.smcp smcp feature	V	V	V	V	V	V	V	V	V	V	V
W.smcp smcp feature	W	W	W	W	W	W	W	W	W	W	W
X.smcp smcp feature	X	X	X	X	X	X	X	X	X	X	X
Y.smcp smcp feature	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Z.smcp smcp feature	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
brevehookcomb Cannot display	?	?	?	?	?	?	?	?	?	?	?

because feature tag is missing in name.											
one.sup Ending "sup" ≠ OT Feature (cannot display this character) feature	1	1	1	1	1	1	1	1	1	1	1
breveacutecomb Cannot display because feature tag is missing in name.	?	?	?	?	?	?	?	?	?	?	?
three.sup Ending "sup" ≠ OT Feature (cannot display this character) feature	3	3	3	3	3	3	3	3	3	3	3
four.sup Ending "sup" ≠ OT Feature (cannot display this character) feature	4	4	4	4	4	4	4	4	4	4	4
five.sup Ending "sup" ≠ OT Feature (cannot display this character) feature	5	5	5	5	5	5	5	5	5	5	5
seven.sup Ending "sup" ≠ OT Feature (cannot display this character) feature	7	7	7	7	7	7	7	7	7	7	7
eight.sup Ending "sup" ≠ OT Feature (cannot display this character) feature	8	8	8	8	8	8	8	8	8	8	8
crossbar Cannot display because feature tag is missing in name.	?	?	?	?	?	?	?	?	?	?	?
ringacute Cannot display because feature tag is missing in name.	?	?	?	?	?	?	?	?	?	?	?
dasiaoxia Cannot display because feature tag is missing in name.	?	?	?	?	?	?	?	?	?	?	?
brevetildecomb Cannot display because feature tag is missing in name.	?	?	?	?	?	?	?	?	?	?	?
cyrillictic Cannot display because feature tag is missing in name.	?	?	?	?	?	?	?	?	?	?	?
cyrillichook Cannot display because feature tag is missing in name.	?	?	?	?	?	?	?	?	?	?	?
P.smcp smcp feature	P	P	P	P	P	P	P	P	P	P	P
K.alt Ending "alt" ≠ OT Feature (cannot display this character) feature	K	K	K	K	K	K	K	K	K	K	K

Germandbls.smcp smcp feature	ß	ẞ	ẞ	ẞ	ẞ	ẞ	ẞ	ẞ	ẞ	ẞ	ẞ
uni0162.smcp smcp feature	Ţ	Ţ	Ţ	Ţ	Ţ	Ţ	Ţ	Ţ	Ţ	Ţ	Ţ
Dcroat.smcp smcp feature	Đ	Đ	Đ	Đ	Đ	Đ	Đ	Đ	Đ	Đ	Đ
Eth.smcp smcp feature	Ð	Ð	Ð	Ð	Ð	Ð	Ð	Ð	Ð	Ð	Ð
Tbar.smcp smcp feature	Ŧ	Ŧ	Ŧ	Ŧ	Ŧ	Ŧ	Ŧ	Ŧ	Ŧ	Ŧ	Ŧ
Agrave.smcp smcp feature	À	À	À	À	À	À	À	À	À	À	À
Aacute.smcp smcp feature	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Acircumflex.smcp smcp feature	Â	Â	Â	Â	Â	Â	Â	Â	Â	Â	Â
Atilde.smcp smcp feature	Ã	Ã	Ã	Ã	Ã	Ã	Ã	Ã	Ã	Ã	Ã
Adieresis.smcp smcp feature	Ä	Ä	Ä	Ä	Ä	Ä	Ä	Ä	Ä	Ä	Ä
Aring.smcp smcp feature	Å	Å	Å	Å	Å	Å	Å	Å	Å	Å	Å
Aringacute.smcp smcp feature	Ǻ	Ǻ	Ǻ	Ǻ	Ǻ	Ǻ	Ǻ	Ǻ	Ǻ	Ǻ	Ǻ
Ccedilla.smcp smcp feature	Ç	Ç	Ç	Ç	Ç	Ç	Ç	Ç	Ç	Ç	Ç
Egrave.smcp smcp feature	È	È	È	È	È	È	È	È	È	È	È
Eacute.smcp smcp feature	É	É	É	É	É	É	É	É	É	É	É
Ecircumflex.smcp smcp feature	Ê	Ê	Ê	Ê	Ê	Ê	Ê	Ê	Ê	Ê	Ê
Edieresis.smcp smcp feature	Ë	Ë	Ë	Ë	Ë	Ë	Ë	Ë	Ë	Ë	Ë
Igrave.smcp smcp feature	Ì	Ì	Ì	Ì	Ì	Ì	Ì	Ì	Ì	Ì	Ì
Iacute.smcp smcp feature	Í	Í	Í	Í	Í	Í	Í	Í	Í	Í	Í
Icircumflex.smcp smcp feature	Î	Î	Î	Î	Î	Î	Î	Î	Î	Î	Î
Idieresis.smcp smcp feature	Ï	Ï	Ï	Ï	Ï	Ï	Ï	Ï	Ï	Ï	Ï
Ntilde.smcp smcp feature	Ñ	Ñ	Ñ	Ñ	Ñ	Ñ	Ñ	Ñ	Ñ	Ñ	Ñ
Ograve.smcp smcp feature	Ò	Ò	Ò	Ò	Ò	Ò	Ò	Ò	Ò	Ò	Ò
Oacute.smcp smcp feature	Ó	Ó	Ó	Ó	Ó	Ó	Ó	Ó	Ó	Ó	Ó
Ocircumflex.smcp smcp feature	Ô	Ô	Ô	Ô	Ô	Ô	Ô	Ô	Ô	Ô	Ô
Otilde.smcp smcp feature	Õ	Õ	Õ	Õ	Õ	Õ	Õ	Õ	Õ	Õ	Õ
Odieresis.smcp smcp feature	Ö	Ö	Ö	Ö	Ö	Ö	Ö	Ö	Ö	Ö	Ö
..	Ù	Ù	Ù	Ù	Ù	Ù	Ù	Ù	Ù	Ù	Ù

Ugrave.smcp smcp feature	Ù	Ù	Ù	Ù	Ù	Ù	Ù	Ù	Ù	Ù	Ù
Uacute.smcp smcp feature	Ú	Ú	Ú	Ú	Ú	Ú	Ú	Ú	Ú	Ú	Ú
Ucircumflex.smcp smcp feature	Û	Û	Û	Û	Û	Û	Û	Û	Û	Û	Û
Udieresis.smcp smcp feature	Ü	Ü	Ü	Ü	Ü	Ü	Ü	Ü	Ü	Ü	Ü
Yacute.smcp smcp feature	Ý	Ý	Ý	Ý	Ý	Ý	Ý	Ý	Ý	Ý	Ý
Amacron.smcp smcp feature	Ā	Ā	Ā	Ā	Ā	Ā	Ā	Ā	Ā	Ā	Ā
Abreve.smcp smcp feature	Ă	Ă	Ă	Ă	Ă	Ă	Ă	Ă	Ă	Ă	Ă
Aogonek.smcp smcp feature	Ą	Ą	Ą	Ą	Ą	Ą	Ą	Ą	Ą	Ą	Ą
Cacute.smcp smcp feature	Ć	Ć	Ć	Ć	Ć	Ć	Ć	Ć	Ć	Ć	Ć
Ccircumflex.smcp smcp feature	Ĉ	Ĉ	Ĉ	Ĉ	Ĉ	Ĉ	Ĉ	Ĉ	Ĉ	Ĉ	Ĉ
Ccaron.smcp smcp feature	Č	Č	Č	Č	Č	Č	Č	Č	Č	Č	Č
Dcaron.smcp smcp feature	Ď	Ď	Ď	Ď	Ď	Ď	Ď	Ď	Ď	Ď	Ď
Emacron.smcp smcp feature	Ē	Ē	Ē	Ē	Ē	Ē	Ē	Ē	Ē	Ē	Ē
Ebreve.smcp smcp feature	Ĕ	Ĕ	Ĕ	Ĕ	Ĕ	Ĕ	Ĕ	Ĕ	Ĕ	Ĕ	Ĕ
Edotaccent.smcp smcp feature	Ė	Ė	Ė	Ė	Ė	Ė	Ė	Ė	Ė	Ė	Ė
Eogonek.smcp smcp feature	Ę	Ę	Ę	Ę	Ę	Ę	Ę	Ę	Ę	Ę	Ę
Ecaron.smcp smcp feature	Ě	Ě	Ě	Ě	Ě	Ě	Ě	Ě	Ě	Ě	Ě
Gcircumflex.smcp smcp feature	Ĝ	Ĝ	Ĝ	Ĝ	Ĝ	Ĝ	Ĝ	Ĝ	Ĝ	Ĝ	Ĝ
Gbreve.smcp smcp feature	Ğ	Ğ	Ğ	Ğ	Ğ	Ğ	Ğ	Ğ	Ğ	Ğ	Ğ
Gcommaaccent.smcp smcp feature	Ģ	Ģ	Ģ	Ģ	Ģ	Ģ	Ģ	Ģ	Ģ	Ģ	Ģ
Hcircumflex.smcp smcp feature	Ĥ	Ĥ	Ĥ	Ĥ	Ĥ	Ĥ	Ĥ	Ĥ	Ĥ	Ĥ	Ĥ
Itilde.smcp smcp feature	Ĩ	Ĩ	Ĩ	Ĩ	Ĩ	Ĩ	Ĩ	Ĩ	Ĩ	Ĩ	Ĩ
Imacron.smcp smcp feature	Ī	Ī	Ī	Ī	Ī	Ī	Ī	Ī	Ī	Ī	Ī
Ibreve.smcp smcp feature	Ĭ	Ĭ	Ĭ	Ĭ	Ĭ	Ĭ	Ĭ	Ĭ	Ĭ	Ĭ	Ĭ
Iogonek.smcp smcp feature	Į	Ī	Ī	Ī	Ī	Ī	Ī	Ī	Ī	Ī	Ī
Idotaccent.smcp smcp feature	İ	İ	İ	İ	İ	İ	İ	İ	İ	İ	İ
Jcircumflex.smcp smcp feature	Ĵ	Ĵ	Ĵ	Ĵ	Ĵ	Ĵ	Ĵ	Ĵ	Ĵ	Ĵ	Ĵ
Kcommaaccent.smcp	K	K	K	K	K	K	K	K	K	K	K

smcp feature	Ţ	Ţ	Ţ	Ţ	Ţ	Ţ	Ţ	Ţ	Ţ	Ţ	Ţ
Lacute.smcp smcp feature	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ
Lcommaaccent.smcp smcp feature	Ļ	Ļ	Ļ	Ļ	Ļ	Ļ	Ļ	Ļ	Ļ	Ļ	Ļ
Lcaron.smcp smcp feature	Ľ	Ľ	Ľ	Ľ	Ľ	Ľ	Ľ	Ľ	Ľ	Ľ	Ľ
Ldot.smcp smcp feature	Ŀ	Ŀ	Ŀ	Ŀ	Ŀ	Ŀ	Ŀ	Ŀ	Ŀ	Ŀ	Ŀ
Nacute.smcp smcp feature	Ń	Ń	Ń	Ń	Ń	Ń	Ń	Ń	Ń	Ń	Ń
Ncommaaccent.smcp smcp feature	Ņ	Ņ	Ņ	Ņ	Ņ	Ņ	Ņ	Ņ	Ņ	Ņ	Ņ
Ncaron.smcp smcp feature	Ň	Ň	Ň	Ň	Ň	Ň	Ň	Ň	Ň	Ň	Ň
Omacron.smcp smcp feature	Ō	Ō	Ō	Ō	Ō	Ō	Ō	Ō	Ō	Ō	Ō
Obreve.smcp smcp feature	Ŏ	Ŏ	Ŏ	Ŏ	Ŏ	Ŏ	Ŏ	Ŏ	Ŏ	Ŏ	Ŏ
Ohungarumlaut.smcp smcp feature	Ő	Ő	Ő	Ő	Ő	Ő	Ő	Ő	Ő	Ő	Ő
Racute.smcp smcp feature	Ŕ	Ŕ	Ŕ	Ŕ	Ŕ	Ŕ	Ŕ	Ŕ	Ŕ	Ŕ	Ŕ
Rcommaaccent.smcp smcp feature	Ŗ	Ŗ	Ŗ	Ŗ	Ŗ	Ŗ	Ŗ	Ŗ	Ŗ	Ŗ	Ŗ
Rcaron.smcp smcp feature	Ř	Ř	Ř	Ř	Ř	Ř	Ř	Ř	Ř	Ř	Ř
Sacute.smcp smcp feature	Ś	Ś	Ś	Ś	Ś	Ś	Ś	Ś	Ś	Ś	Ś
Scircumflex.smcp smcp feature	Ŝ	Ŝ	Ŝ	Ŝ	Ŝ	Ŝ	Ŝ	Ŝ	Ŝ	Ŝ	Ŝ
Scedilla.smcp smcp feature	Ş	Ş	Ş	Ş	Ş	Ş	Ş	Ş	Ş	Ş	Ş
Scaron.smcp smcp feature	Š	Š	Š	Š	Š	Š	Š	Š	Š	Š	Š
Tcaron.smcp smcp feature	Ť	Ť	Ť	Ť	Ť	Ť	Ť	Ť	Ť	Ť	Ť
Utilde.smcp smcp feature	Ũ	Ũ	Ũ	Ũ	Ũ	Ũ	Ũ	Ũ	Ũ	Ũ	Ũ
Umacron.smcp smcp feature	Ū	Ū	Ū	Ū	Ū	Ū	Ū	Ū	Ū	Ū	Ū
Ubreve.smcp smcp feature	Ŭ	Ŭ	Ŭ	Ŭ	Ŭ	Ŭ	Ŭ	Ŭ	Ŭ	Ŭ	Ŭ
Uring.smcp smcp feature	Ů	Ů	Ů	Ů	Ů	Ů	Ů	Ů	Ů	Ů	Ů
Uhungarumlaut.smcp smcp feature	Ű	Ű	Ű	Ű	Ű	Ű	Ű	Ű	Ű	Ű	Ű
Uogonek.smcp smcp feature	Ŭ	Ŭ	Ŭ	Ŭ	Ŭ	Ŭ	Ŭ	Ŭ	Ŭ	Ŭ	Ŭ
Wcircumflex.smcp smcp feature	Ŵ	Ŵ	Ŵ	Ŵ	Ŵ	Ŵ	Ŵ	Ŵ	Ŵ	Ŵ	Ŵ
Ycircumflex.smcp smcp feature	Ŷ	Ŷ	Ŷ	Ŷ	Ŷ	Ŷ	Ŷ	Ŷ	Ŷ	Ŷ	Ŷ
Ydieresis.smcp smcp feature	Ÿ	Ÿ	Ÿ	Ÿ	Ÿ	Ÿ	Ÿ	Ÿ	Ÿ	Ÿ	Ÿ

Zacute.smcp smcp feature	Ź	Ź	Ź	Ź	Ź	Ź	Ź	Ź	Ź	Ź	Ź
Zdotaccent.smcp smcp feature	Ż	Ż	Ż	Ż	Ż	Ż	Ż	Ż	Ż	Ż	Ż
Zcaron.smcp smcp feature	Ž	Ž	Ž	Ž	Ž	Ž	Ž	Ž	Ž	Ž	Ž