DIGIT ZERO uni0030	0	O	0
DIGIT ONE uni0031	1	I	I
DIGIT TWO uni0032	2	2,	2
DIGIT THREE uni0033	3	3	3
DIGIT FOUR uni0034	4	4	4
DIGIT FIVE uni0035	5	5	5
DIGIT SIX uni0036	6	6	6
DIGIT SEVEN uni0037	7	7	7
DIGIT EIGHT uni0038	8	8	8
DIGIT NINE uni0039	9	9	9
COLON uni003A	:	:	:
SEMICOLON uni003B	,	;	;
LESS-THAN SIGN uni003C	<	<	<
EQUALS SIGN uni003D	=	=	=
GREATER-THAN SIGN uni003E	>	>	>
QUESTION MARK uni003F	?	?	.5
COMMERCIAL AT uni0040	(a)	@	@
LATIN CAPITAL LETTER A uni0041	A	A	A
LATIN CAPITAL LETTER B uni0042	В	В	В
LATIN CAPITAL LETTER C uni0043	С	С	C
LATIN CAPITAL LETTER D uni0044	D	D	D
LATIN CAPITAL LETTER E uni0045	Е	E	E
LATIN CAPITAL LETTER F uni0046	F	F	F
LATIN CAPITAL LETTER G uni0047	G	G	G
LATIN CAPITAL LETTER H uni0048	Н	Н	Н
LATIN CAPITAL LETTER I uni0049	-	I	I
LATIN CAPITAL LETTER J uni004A	J	J	J
LATIN CAPITAL LETTER K uni004B	K	K	K

LATIN CAPITAL LETTER L uni004C	L	L	L
LATIN CAPITAL LETTER M uni004D	M	M	M
LATIN CAPITAL LETTER N uni004E	Ν	N	N
LATIN CAPITAL LETTER O uni004F	0	Ο	O
LATIN CAPITAL LETTER P uni0050	P	P	P
LATIN CAPITAL LETTER Q uni0051	Q	Q	Q
LATIN CAPITAL LETTER R uni0052	R	R	R
LATIN CAPITAL LETTER S uni0053	S	S	S
LATIN CAPITAL LETTER T uni0054	Т	T	T
LATIN CAPITAL LETTER U uni0055	U	U	U
LATIN CAPITAL LETTER V uni0056	V	V	V
LATIN CAPITAL LETTER W uni0057	W	W	W
LATIN CAPITAL LETTER X uni0058	X	X	X
LATIN CAPITAL LETTER Y uni0059	Υ	Y	Y
LATIN CAPITAL LETTER Z uni005A	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	а	a	а
LATIN SMALL LETTER B uni0062	b	Ъ	b
LATIN SMALL LETTER C uni0063	С	c	с
LATIN SMALL LETTER D uni0064	d	d	d
LATIN SMALL LETTER E uni0065	е	e	e
LATIN SMALL LETTER F uni0066	f	f	f
LATIN SMALL LETTER G uni0067	g	g	g

LATIN SMALL LETTER H uni0068	h	h	h
LATIN SMALL LETTER I uni0069	i	i	i
LATIN SMALL LETTER J uni006A	j	j	j
LATIN SMALL LETTER K uni006B	k	k	k
LATIN SMALL LETTER L uni006C		1	1
LATIN SMALL LETTER M uni006D	m	m	m
LATIN SMALL LETTER N uni006E	n	n	n
LATIN SMALL LETTER O uni006F	0	o	0
LATIN SMALL LETTER P uni0070	р	p	p
LATIN SMALL LETTER Q uni0071	q	q	q
LATIN SMALL LETTER R uni0072	r	r	r
LATIN SMALL LETTER S uni0073	S	S	S
LATIN SMALL LETTER T uni0074	t	t	t
LATIN SMALL LETTER U uni0075	U	u	и
LATIN SMALL LETTER V uni0076	V	V	v
LATIN SMALL LETTER W uni0077	W	w	w
LATIN SMALL LETTER X uni0078	Χ	X	x
LATIN SMALL LETTER Y uni0079	У	у	y
LATIN SMALL LETTER Z uni007A	Z	z	z
LEFT CURLY BRACKET uni007B	{	{	{
VERTICAL LINE uni007C			
RIGHT CURLY BRACKET uni007D	}	}	}
TILDE uni007E	~	~	~
NO-BREAK SPACE uni00A0			
INVERTED EXCLAMATION MARK uni00A1	i	i	i
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	<u>a</u>	<u>a</u>	<u>a</u>
LEFT-POINTING DOUBLE ANGLE QUOTATION MARK uni00AB	<<	«	«
NOT SIGN uni00AC	\neg	٦	¬
SOFT HYPHEN uni00AD			
REGISTERED SIGN uni00AE	R	R	R
MACRON uni00AF	-	-	-
DEGREE SIGN uni00B0	0	0	0
PLUS-MINUS SIGN uni00B1	\pm	<u>±</u>	<u>+</u>
SUPERSCRIPT TWO uni00B2	2	2	2
SUPERSCRIPT THREE uni00B3	3	3	3
ACUTE ACCENT uni00B4	/	,	,
MICRO SIGN uni00B5	μ	μ	μ
PILCROW SIGN uni00B6	1	5	5
MIDDLE DOT uni00B7		•	•
CEDILLA uni00B8	٥	5	5
SUPERSCRIPT ONE uni00B9	1	1	1
MASCULINE ORDINAL INDICATOR uni00BA	0	<u>o</u>	<u>o</u>
RIGHT-POINTING DOUBLE ANGLE QUOTATION MARK uni00BB	>>	>>	>>
VULGAR FRACTION ONE QUARTER uni00BC	1/4	1/4	1/4
VULGAR FRACTION ONE HALF uni00BD	1/2	1/2	1/2
VULGAR FRACTION THREE QUARTERS uni00BE	3/4	3/4	3/4
INVERTED QUESTION MARK uni00BF	خ	૮	ં
LATIN CAPITAL LETTER A WITH GRAVE uni00C0	À	À	À

	Á	Á	Á
LATIN CAPITAL LETTER A WITH ACUTE uni00C1			
LATIN CAPITAL LETTER A WITH CIRCUMFLEX uni00C2	Â	Â	Â
LATIN CAPITAL LETTER A WITH TILDE uni00C3	Ã	Ã	Ã
LATIN CAPITAL LETTER A WITH DIAERESIS uni00C4	Ä	Ä	Ä
LATIN CAPITAL LETTER A WITH RING ABOVE uni00C5	Å	Å	Å
LATIN CAPITAL LETTER AE uni00C6	Æ	Æ	Æ
LATIN CAPITAL LETTER C WITH CEDILLA uni00C7	Ç	Ç	Ç
LATIN CAPITAL LETTER E WITH GRAVE uni00C8	È	È	È
LATIN CAPITAL LETTER E WITH ACUTE uni00C9	É	É	É
LATIN CAPITAL LETTER E WITH CIRCUMFLEX uni00CA	Ê	Ê	Ê
LATIN CAPITAL LETTER E WITH DIAERESIS uni00CB	Ë	Ë	Ë
LATIN CAPITAL LETTER I WITH GRAVE uni00CC	Ì	Ì	Ì
LATIN CAPITAL LETTER I WITH ACUTE uni00CD	ĺ	Í	Í
LATIN CAPITAL LETTER I WITH CIRCUMFLEX uni00CE	Î	Î	Î
LATIN CAPITAL LETTER I WITH DIAERESIS uni00CF	Ϊ	Ϊ	Ϊ
LATIN CAPITAL LETTER ETH uni00D0	Đ	Đ	Đ
LATIN CAPITAL LETTER N WITH TILDE uni00D1	Ñ	Ñ	Ñ
	à	Ò	À
LATIN CAPITAL LETTER O WITH GRAVE uni00D2	Ó		Ò
LATIN CAPITAL LETTER O WITH ACUTE uni00D3	O	Ó	Ó
LATIN CAPITAL LETTER O WITH CIRCUMFLEX uni00D4	O	Ô	Ô
LATIN CAPITAL LETTER O WITH TILDE uni00D5	Õ	Õ	Õ
LATIN CAPITAL LETTER O WITH DIAERESIS uni00D6	Ö	Ö	Ö
MULTIPLICATION SIGN uni00D7	×	×	×
LATIN CAPITAL LETTER O WITH STROKE uni00D8	Ø	Ø	Ø
LATIN CAPITAL LETTER U WITH GRAVE uni00D9	Ù	Ù	Ù
LATIN CAPITAL LETTER U WITH ACUTE uni00DA	Ú	Ú	Ú

LATIN CAPITAL LETTER U WITH CIRCUMFLEX uni00DB	Û	Û	Û
LATIN CAPITAL LETTER U WITH DIAERESIS uni00DC	Ü	Ü	Ü
LATIN CAPITAL LETTER Y WITH ACUTE uni00DD	Ý	Ý	Ý
LATIN CAPITAL LETTER THORN uni00DE	Þ	Þ	Þ
LATIN SMALL LETTER SHARP S uni00DF	ß	ß	ß
LATIN SMALL LETTER A WITH GRAVE uni00E0	à	à	à
LATIN SMALL LETTER A WITH ACUTE uni00E1	á	á	á
LATIN SMALL LETTER A WITH CIRCUMFLEX uni00E2	â	â	â
LATIN SMALL LETTER A WITH TILDE uni00E3	ã	ã	ã
LATIN SMALL LETTER A WITH DIAERESIS uni00E4	ä	ä	ä
LATIN SMALL LETTER A WITH RING ABOVE uni00E5	å	å	å
LATIN SMALL LETTER AE uni00E6	æ	æ	æ
LATIN SMALL LETTER C WITH CEDILLA uni00E7	Ç	ç	ç
LATIN SMALL LETTER E WITH GRAVE uni00E8	è	è	è
LATIN SMALL LETTER E WITH ACUTE uni00E9	é	é	é
LATIN SMALL LETTER E WITH CIRCUMFLEX uni00EA	ê	ê	ê
LATIN SMALL LETTER E WITH DIAERESIS uni00EB	ë	ë	ë
LATIN SMALL LETTER I WITH GRAVE uni00EC	Ì	ì	ì
LATIN SMALL LETTER I WITH ACUTE uni00ED	ĺ	í	í
LATIN SMALL LETTER I WITH CIRCUMFLEX uni00EE	î	î	î
LATIN SMALL LETTER I WITH DIAERESIS uni00EF	ï	ï	ï
	×	×	×
LATIN SMALL LETTER ETH uni00F0	ð	ð	ð
LATIN SMALL LETTER N WITH TILDE uni00F1	ñ	ñ	ñ
LATIN SMALL LETTER O WITH GRAVE uni00F2	Ò	ò	ò
LATIN SMALL LETTER O WITH ACUTE uni00F3	Ó	ó	ó
LATIN SMALL LETTER O WITH CIRCUMFLEX uni00F4	ô	ô	ô

LATIN SMALL LETTER O WITH TILDE uni00F5	õ	õ	õ
LATIN SMALL LETTER O WITH DIAERESIS uni00F6	Ö	ö	ö
DIVISION SIGN uni00F7	÷	•	•
LATIN SMALL LETTER O WITH STROKE uni00F8	Ø	Ø	Ø
LATIN SMALL LETTER U WITH GRAVE uni00F9	ù	ù	ù
LATIN SMALL LETTER U WITH ACUTE uni00FA	Ú	ú	ú
LATIN SMALL LETTER U WITH CIRCUMFLEX uni00FB	û	û	û
LATIN SMALL LETTER U WITH DIAERESIS uni00FC	ü	ü	ü
LATIN SMALL LETTER Y WITH ACUTE uni00FD	ý	ý	ý
LATIN SMALL LETTER THORN uni00FE	þ	þ	þ
LATIN SMALL LETTER Y WITH DIAERESIS uni00FF	ÿ	ÿ	$\ddot{\mathcal{y}}$
LATIN SMALL LETTER DOTLESS I uni0131	-1	1	1
LATIN CAPITAL LETTER L WITH STROKE uni0141	Ł	Ł	Ł
LATIN SMALL LETTER L WITH STROKE uni0142	ł	ł	ł
u1110142			ı
LATIN CAPITAL LIGATURE OE uni0152	Œ	Œ	Œ
LATIN CAPITAL LIGATURE OE	Œ		-
LATIN CAPITAL LIGATURE OE uni0152 LATIN SMALL LIGATURE OE	Œ œ Š	Œ	Œ
LATIN CAPITAL LIGATURE OE uni0152 LATIN SMALL LIGATURE OE uni0153 LATIN CAPITAL LETTER S WITH CARON	œ Š Š	Œ	Œ
LATIN CAPITAL LIGATURE OE uni0152 LATIN SMALL LIGATURE OE uni0153 LATIN CAPITAL LETTER S WITH CARON uni0160 LATIN SMALL LETTER S WITH CARON		Œ œ Š	Œ
LATIN CAPITAL LIGATURE OE uni0152 LATIN SMALL LIGATURE OE uni0153 LATIN CAPITAL LETTER S WITH CARON uni0160 LATIN SMALL LETTER S WITH CARON uni0161 LATIN CAPITAL LETTER Y WITH DIAERESIS		Œ œ Š š	Œ œ Š š
LATIN CAPITAL LIGATURE OE uni0152 LATIN SMALL LIGATURE OE uni0153 LATIN CAPITAL LETTER S WITH CARON uni0160 LATIN SMALL LETTER S WITH CARON uni0161 LATIN CAPITAL LETTER Y WITH DIAERESIS uni0178 LATIN CAPITAL LETTER Z WITH CARON	š	Œ œ Š š ÿ	Œ œ Š š Ÿ
LATIN CAPITAL LIGATURE OE uni0152 LATIN SMALL LIGATURE OE uni0153 LATIN CAPITAL LETTER S WITH CARON uni0160 LATIN SMALL LETTER S WITH CARON uni0161 LATIN CAPITAL LETTER Y WITH DIAERESIS uni0178 LATIN CAPITAL LETTER Z WITH CARON uni017D LATIN SMALL LETTER Z WITH CARON	š Ÿ Ž	Œ œ Š š Ÿ Ž	Œ œ Š š Ÿ Ž
LATIN CAPITAL LIGATURE OE uni0152 LATIN SMALL LIGATURE OE uni0153 LATIN CAPITAL LETTER S WITH CARON uni0160 LATIN SMALL LETTER S WITH CARON uni0161 LATIN CAPITAL LETTER Y WITH DIAERESIS uni0178 LATIN CAPITAL LETTER Z WITH CARON uni017D LATIN SMALL LETTER Z WITH CARON uni017E LATIN SMALL LETTER Z WITH CARON uni017E	š Ÿ Ž	Œ œ Š š Ÿ Ž	Œ œ Š š Ÿ Ž ž
LATIN CAPITAL LIGATURE OE uni0152 LATIN SMALL LIGATURE OE uni0153 LATIN CAPITAL LETTER S WITH CARON uni0160 LATIN SMALL LETTER S WITH CARON uni0161 LATIN CAPITAL LETTER Y WITH DIAERESIS uni0178 LATIN CAPITAL LETTER Z WITH CARON uni017D LATIN SMALL LETTER Z WITH CARON uni017D LATIN SMALL LETTER Z WITH CARON uni017E LATIN SMALL LETTER F WITH HOOK uni0192 MODIFIER LETTER CIRCUMFLEX ACCENT	š Ÿ Ž	Œ œ Š Š Ÿ Ž ź	Œ œ š ÿ Ž f
LATIN CAPITAL LIGATURE OE uni0152 LATIN SMALL LIGATURE OE uni0153 LATIN CAPITAL LETTER S WITH CARON uni0160 LATIN SMALL LETTER S WITH CARON uni0161 LATIN CAPITAL LETTER Y WITH DIAERESIS uni0178 LATIN CAPITAL LETTER Z WITH CARON uni017D LATIN SMALL LETTER Z WITH CARON uni017E LATIN SMALL LETTER F WITH HOOK uni0192 MODIFIER LETTER CIRCUMFLEX ACCENT uni02C6	š Ÿ Ž	Œ œ Š Š Ÿ Ž ź	Œ œ š ÿ Ž f
LATIN CAPITAL LIGATURE OE uni0152 LATIN SMALL LIGATURE OE uni0153 LATIN CAPITAL LETTER S WITH CARON uni0160 LATIN SMALL LETTER S WITH CARON uni0161 LATIN CAPITAL LETTER Y WITH DIAERESIS uni0178 LATIN CAPITAL LETTER Z WITH CARON uni017D LATIN SMALL LETTER Z WITH CARON uni017E LATIN SMALL LETTER F WITH HOOK uni0192 MODIFIER LETTER CIRCUMFLEX ACCENT uni02C6 CARON uni02C7	š Ÿ Ž	Œ œ Š Š Ÿ Ž ź	Œ œ š ÿ Ž f
LATIN CAPITAL LIGATURE OE uni0152 LATIN SMALL LIGATURE OE uni0153 LATIN CAPITAL LETTER S WITH CARON uni0160 LATIN SMALL LETTER S WITH CARON uni0161 LATIN CAPITAL LETTER Y WITH DIAERESIS uni0178 LATIN CAPITAL LETTER Z WITH CARON uni017D LATIN SMALL LETTER Z WITH CARON uni017E LATIN SMALL LETTER F WITH HOOK uni0192 MODIFIER LETTER CIRCUMFLEX ACCENT uni02C6 CARON uni02C7 MODIFIER LETTER MACRON uni02C9 BREVE	š Ÿ Ž	Œ œ Š Š Ÿ Ž ź	Œ œ š ÿ Ž f

uni02DA

OGONEK uni02DB SMALL TILDE uni02DC DOUBLE ACUTE ACCENT uni02DD GREEK CAPITAL LETTER DELTA uni0394 GREEK CAPITAL LETTER OMEGA uni03A9	, ~ // Δ	
SMALL TILDE uni02DC DOUBLE ACUTE ACCENT uni02DD GREEK CAPITAL LETTER DELTA uni0394 GREEK CAPITAL LETTER OMEGA	Δ	Δ
DOUBLE ACUTE ACCENT uni02DD GREEK CAPITAL LETTER DELTA uni0394 GREEK CAPITAL LETTER OMEGA	Δ	Δ
GREEK CAPITAL LETTER DELTA uni0394 GREEK CAPITAL LETTER OMEGA		
GREEK CAPITAL LETTER OMEGA	Ω	0
IIIIII349		22
GREEK SMALL LETTER MU uni03BC	μ	μ
GREEK SMALL LETTER PI uni03C0	π	π
HYPHEN uni2010	-	-
EN DASH uni2013	-	_
EM DASH uni2014	_	
LEFT SINGLE QUOTATION MARK uni2018	6	6
RIGHT SINGLE QUOTATION MARK uni2019	,	,
SINGLE LOW-9 QUOTATION MARK uni201A	,	,
LEFT DOUBLE QUOTATION MARK uni201C	"	66
RIGHT DOUBLE QUOTATION MARK uni201D	"	"
DOUBLE LOW-9 QUOTATION MARK uni201E	"	"
DAGGER uni2020	Ť	Ť
DOUBLE DAGGER uni2021	‡	#
BULLET uni2022	•	•
HORIZONTAL ELLIPSIS uni2026	•••	•••
PER MILLE SIGN uni2030	%o	%00
SINGLE LEFT-POINTING ANGLE QUOTATION MARK uni2039	<	<
SINGLE RIGHT-POINTING ANGLE QUOTATION MARK uni203A	>	>
FRACTION SLASH uni2044	/	/
EURO SIGN uni20AC	ϵ	ϵ
TRADE MARK SIGN uni2122	ТМ	TM
OHM SIGN uni2126	Ω	Ω

PARTIAL DIFFERENTIAL				
uni2202	9	9	9	
INCREMENT uni2206	Δ	Δ	Δ	
N-ARY PRODUCT uni220F	П	П	Π	
N-ARY SUMMATION uni2211	Σ	Σ	Σ	
MINUS SIGN uni2212	_	_	_	
DIVISION SLASH uni2215	/	/	/	
BULLET OPERATOR uni2219	•	•	•	
SQUARE ROOT uni221A	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	
INFINITY uni221E	00	∞	∞	
INTEGRAL uni222B	ſ	ſ	ſ	
ALMOST EQUAL TO uni2248	\approx	≈	≈	
NOT EQUAL TO uni2260	≠	≠	≠	
LESS-THAN OR EQUAL TO uni2264	\leq	≤	≤	
GREATER-THAN OR EQUAL TO uni2265	\geq	<u>></u>	>	
LOZENGE uni25CA	\Diamond	♦	♦	
uniF001	HI	fi	fi	
uniF002	H	fl	fl	
LATIN SMALL LIGATURE FI uniFB01	fi	fi	fi	
LATIN SMALL LIGATURE FL uniFB02	fl	fl	fl	



