

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

LATIN CAPITAL LETTER K UNIO04B LATIN CAPITAL LETTER L UNIO04C LATIN CAPITAL LETTER M UNIO04D LATIN CAPITAL LETTER N UNIO04E LATIN CAPITAL LETTER O UNIO050 LATIN CAPITAL LETTER P UNIO050 LATIN CAPITAL LETTER R UNIO051 LATIN CAPITAL LETTER S UNIO053 LATIN CAPITAL LETTER T UNIO054 LATIN CAPITAL LETTER T UNIO055 LATIN CAPITAL LETTER U UNIO055 LATIN CAPITAL LETTER W UNIO056 LATIN CAPITAL LETTER W UNIO057 LATIN CAPITAL LETTER X UNIO058 LATIN CAPITAL LETTER X UNIO059 LATIN CAPITAL LETTER Z Z
LATIN CAPITAL LETTER N UNIOU4D LATIN CAPITAL LETTER N UNIOU4E LATIN CAPITAL LETTER O UNIOU4F LATIN CAPITAL LETTER P UNIOU50 LATIN CAPITAL LETTER Q UNIOU51 LATIN CAPITAL LETTER R UNIOU52 LATIN CAPITAL LETTER S UNIOU53 LATIN CAPITAL LETTER T UNIOU54 LATIN CAPITAL LETTER T UNIOU55 LATIN CAPITAL LETTER V UNIOU55 LATIN CAPITAL LETTER W UNIOU57 LATIN CAPITAL LETTER X UNIOU58 LATIN CAPITAL LETTER X UNIOU59 LATIN CAPITAL LETTER X UNIOU59
LATIN CAPITAL LETTER N uni004E LATIN CAPITAL LETTER O uni004F LATIN CAPITAL LETTER P uni0050 LATIN CAPITAL LETTER Q uni0051 LATIN CAPITAL LETTER R uni0052 LATIN CAPITAL LETTER S uni0053 LATIN CAPITAL LETTER T uni0054 LATIN CAPITAL LETTER U uni0055 LATIN CAPITAL LETTER V uni0056 LATIN CAPITAL LETTER W uni0057 LATIN CAPITAL LETTER X uni0058 LATIN CAPITAL LETTER X uni0059 LATIN CAPITAL LETTER Y uni0059 LATIN CAPITAL LETTER Z Z
LATIN CAPITAL LETTER P Uni0050 LATIN CAPITAL LETTER P Uni0050 LATIN CAPITAL LETTER R Uni0051 LATIN CAPITAL LETTER R Uni0052 LATIN CAPITAL LETTER S Uni0053 LATIN CAPITAL LETTER T Uni0054 LATIN CAPITAL LETTER U Uni0055 LATIN CAPITAL LETTER V Uni0056 LATIN CAPITAL LETTER W Uni0057 LATIN CAPITAL LETTER X Uni0058 LATIN CAPITAL LETTER X Uni0059 LATIN CAPITAL LETTER Y Uni0059 LATIN CAPITAL LETTER Z Z
LATIN CAPITAL LETTER P uni0050 LATIN CAPITAL LETTER Q uni0051 LATIN CAPITAL LETTER R uni0052 LATIN CAPITAL LETTER S uni0053 LATIN CAPITAL LETTER T uni0054 LATIN CAPITAL LETTER U uni0055 LATIN CAPITAL LETTER V uni0056 LATIN CAPITAL LETTER W uni0057 LATIN CAPITAL LETTER X uni0058 LATIN CAPITAL LETTER X uni0059 LATIN CAPITAL LETTER Y uni0059 LATIN CAPITAL LETTER Z Z Z
LATIN CAPITAL LETTER R uni0052 LATIN CAPITAL LETTER R uni0052 LATIN CAPITAL LETTER S uni0053 LATIN CAPITAL LETTER T uni0054 LATIN CAPITAL LETTER U uni0055 LATIN CAPITAL LETTER V uni0056 LATIN CAPITAL LETTER W uni0057 LATIN CAPITAL LETTER X uni0058 LATIN CAPITAL LETTER X uni0059 LATIN CAPITAL LETTER Y uni0059 LATIN CAPITAL LETTER Z
LATIN CAPITAL LETTER R uni0052 LATIN CAPITAL LETTER S uni0053 LATIN CAPITAL LETTER T uni0054 LATIN CAPITAL LETTER U uni0055 LATIN CAPITAL LETTER V uni0056 LATIN CAPITAL LETTER W uni0057 LATIN CAPITAL LETTER X uni0058 LATIN CAPITAL LETTER X uni0059 LATIN CAPITAL LETTER Y uni0059 LATIN CAPITAL LETTER Z
LATIN CAPITAL LETTER V uni0057 LATIN CAPITAL LETTER V uni0056 LATIN CAPITAL LETTER W uni0057 LATIN CAPITAL LETTER W uni0057 LATIN CAPITAL LETTER X uni0058 LATIN CAPITAL LETTER X uni0059 LATIN CAPITAL LETTER Y uni0059 LATIN CAPITAL LETTER Z UNi0059
LATIN CAPITAL LETTER U uni0054 LATIN CAPITAL LETTER U uni0055 LATIN CAPITAL LETTER V uni0056 LATIN CAPITAL LETTER W uni0057 LATIN CAPITAL LETTER X uni0058 LATIN CAPITAL LETTER Y uni0059 LATIN CAPITAL LETTER Z UNI0059
LATIN CAPITAL LETTER V uni0055 LATIN CAPITAL LETTER W uni0057 LATIN CAPITAL LETTER X uni0058 LATIN CAPITAL LETTER X uni0058 LATIN CAPITAL LETTER Y uni0059 LATIN CAPITAL LETTER Z
LATIN CAPITAL LETTER W uni0055 LATIN CAPITAL LETTER W uni0057 LATIN CAPITAL LETTER X uni0058 LATIN CAPITAL LETTER Y uni0059 LATIN CAPITAL LETTER Z
LATIN CAPITAL LETTER W uni0057 LATIN CAPITAL LETTER X uni0058 LATIN CAPITAL LETTER Y uni0059 LATIN CAPITAL LETTER Z
LATIN CAPITAL LETTER X uni0058 LATIN CAPITAL LETTER Y uni0059 LATIN CAPITAL LETTER Z
LATIN CAPITAL LETTER Y uni0059 LATIN CAPITAL LETTER Z Z Z
uni0059 LATIN CAPITAL LETTER Z Z Z
LATIN CAPITAL LETTER Z Z Z
uni005A
LEFT SQUARE BRACKET uni005B
REVERSE SOLIDUS \\ uni005C
RIGHT SQUARE BRACKET uni005D
CIRCUMFLEX ACCENT uni005E
LOW LINE uni005F — —
GRAVE ACCENT uni0060
LATIN SMALL LETTER A a la l
LATIN SMALL LETTER B uni0062
LATIN SMALL LETTER C Uni0063
LATIN SMALL LETTER D d d
LATIN SMALL LETTER E Uni0065
LATIN SMALL LETTER F uni0066

LATIN SMALL LETTER G uni0067	g	g
LATIN SMALL LETTER H uni0068	h	h
LATIN SMALL LETTER I uni0069	i	i
LATIN SMALL LETTER J uni006A	j	j
LATIN SMALL LETTER K uni006B	k	k
LATIN SMALL LETTER L uni006C		l
LATIN SMALL LETTER M uni006D	m	m
LATIN SMALL LETTER N uni006E	n	n
LATIN SMALL LETTER O	0	0
LATIN SMALL LETTER P uni0070	р	p
LATIN SMALL LETTER Q uni0071	q	q
LATIN SMALL LETTER R uni0072	r	ľ
LATIN SMALL LETTER S uni0073	S	S
LATIN SMALL LETTER T uni0074	t	t
LATIN SMALL LETTER U uni0075	U	U
LATIN SMALL LETTER V uni0076	V	V
LATIN SMALL LETTER W uni0077	W	W
LATIN SMALL LETTER X uni0078	X	X
LATIN SMALL LETTER Y uni0079	У	у
LATIN SMALL LETTER Z uni007A	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
CENT SIGN uni00A2	¢	¢
uniouAz		

POUND SIGN

uni00A3	£	£
CURRENCY SIGN uni00A4	¤	¤
YEN SIGN uni00A5	¥	¥
BROKEN BAR uni00A6	I	l I
SECTION SIGN uni00A7	§	§
DIAERESIS uni00A8		"
COPYRIGHT SIGN uni00A9	©	©
FEMININE ORDINAL INDICATOR uni00AA	a	a
LEFT-POINTING DOUBLE ANGLE QUOTATION MARK uni00AB	«	«
NOT SIGN uni00AC	_	٦
SOFT HYPHEN uni00AD		
REGISTERED SIGN uni00AE	R	R
DEGREE SIGN uni00B0	0	0
PLUS-MINUS SIGN uni00B1	±	±
SUPERSCRIPT TWO uni00B2	2	2
SUPERSCRIPT THREE uni00B3	3	3
ACUTE ACCENT uni00B4	/	,
MICRO SIGN uni00B5	μ	μ
PILCROW SIGN uni00B6	1	1
CEDILLA uni00B8	٥	>
SUPERSCRIPT ONE uni00B9	1	1
MASCULINE ORDINAL INDICATOR uni00BA	0	0
RIGHT-POINTING DOUBLE ANGLE QUOTATION MARK uni00BB	>>	»
VULGAR FRACTION ONE QUARTER uni00BC	1/4	1/4
VULGAR FRACTION ONE HALF uni00BD	1/2	1/2
VULGAR FRACTION THREE QUARTERS uni00BE	3/4	3/4
INVERTED QUESTION MARK uni00BF	خ	ė

LATIN CAPITAL LETTER A WITH GRAVE uni00C0	À	À
LATIN CAPITAL LETTER A WITH ACUTE	Á	Á
uni00C1	Â	Â
LATIN CAPITAL LETTER A WITH CIRCUMFLEX uni00C2	Ä	
LATIN CAPITAL LETTER A WITH TILDE uni00C3	A	Ã
LATIN CAPITAL LETTER A WITH DIAERESIS uni00C4	A	Ä
LATIN CAPITAL LETTER A WITH RING ABOVE uni00C5	Å	Å
LATIN CAPITAL LETTER AE uni00C6	Æ	Æ
LATIN CAPITAL LETTER C WITH CEDILLA uni00C7	Ç	Ç
LATIN CAPITAL LETTER E WITH GRAVE uni00C8	È	È
LATIN CAPITAL LETTER E WITH ACUTE uni00C9	É	É
LATIN CAPITAL LETTER E WITH CIRCUMFLEX uni00CA	Ê	Ê
LATIN CAPITAL LETTER E WITH DIAERESIS uni00CB	Ë	Ë
LATIN CAPITAL LETTER I WITH GRAVE uni00CC	Ì	Ì
LATIN CAPITAL LETTER I WITH ACUTE uni00CD	ĺ	Í
LATIN CAPITAL LETTER I WITH CIRCUMFLEX uni00CE	Î	Î
LATIN CAPITAL LETTER I WITH DIAERESIS uni00CF	Ϊ	Ϊ
LATIN CAPITAL LETTER ETH uni00D0	Đ	Ð
LATIN CAPITAL LETTER N WITH TILDE uni00D1	Ñ	Ñ
LATIN CAPITAL LETTER O WITH GRAVE uni00D2	Ò	Ò
LATIN CAPITAL LETTER O WITH ACUTE uni00D3	Ó	Ó
LATIN CAPITAL LETTER O WITH CIRCUMFLEX uni00D4	Ô	Ô
LATIN CAPITAL LETTER O WITH TILDE uni00D5	Õ	Õ
LATIN CAPITAL LETTER O WITH DIAERESIS uni00D6	Ö	Ö
MULTIPLICATION SIGN uni00D7	×	×
LATIN CAPITAL LETTER O WITH STROKE uni00D8	Ø	Ø
LATIN CAPITAL LETTER U WITH GRAVE uni00D9	Ù	Ù
LATIN CAPITAL LETTER U WITH ACUTE uni00DA	Ú	Ú
LATIN CADITAL LETTER LLAUTU CIRCUMETE		

LATIN CAPITAL LETTER U WITH CIRCUMFLEX

uni00DB	Û	Û
LATIN CAPITAL LETTER U WITH DIAERESIS uni00DC	Ü	Ü
LATIN CAPITAL LETTER Y WITH ACUTE uni00DD	Ý	Ý
LATIN CAPITAL LETTER THORN uni00DE	Þ	þ
LATIN SMALL LETTER SHARP S uni00DF	ß	В
LATIN SMALL LETTER A WITH GRAVE uni00E0	à	à
LATIN SMALL LETTER A WITH ACUTE uni00E1	á	á
LATIN SMALL LETTER A WITH CIRCUMFLEX uni00E2	â	â
LATIN SMALL LETTER A WITH TILDE uni00E3	ã	ã
LATIN SMALL LETTER A WITH DIAERESIS uni00E4	ä	ä
LATIN SMALL LETTER A WITH RING ABOVE uni00E5	å	å
LATIN SMALL LETTER AE uni00E6	æ	æ
LATIN SMALL LETTER C WITH CEDILLA uni00E7	Ç	Ç
LATIN SMALL LETTER E WITH GRAVE uni00E8	è	è
LATIN SMALL LETTER E WITH ACUTE uni00E9	é	é
LATIN SMALL LETTER E WITH CIRCUMFLEX uni00EA	ê	è
LATIN SMALL LETTER E WITH DIAERESIS uni00EB	ë	ë
LATIN SMALL LETTER I WITH GRAVE uni00EC	Ì	ì
LATIN SMALL LETTER I WITH ACUTE uni00ED	ĺ	ĺ
LATIN SMALL LETTER I WITH CIRCUMFLEX uni00EE	Î	Î
LATIN SMALL LETTER I WITH DIAERESIS uni00EF	Ϊ	Ϊ
LATIN SMALL LETTER ETH uni00F0	ð	ð
LATIN SMALL LETTER N WITH TILDE uni00F1	ñ	ñ
LATIN SMALL LETTER O WITH GRAVE uni00F2	Ò	Ò
LATIN SMALL LETTER O WITH ACUTE uni00F3	Ó	Ó
LATIN SMALL LETTER O WITH CIRCUMFLEX uni00F4	ô ~	Ô
LATIN SMALL LETTER O WITH TILDE uni00F5	Õ	Õ
LATIN SMALL LETTER O WITH DIAERESIS uni00F6	Ö	Ö

DIVISION SIGN uni00F7	÷	÷	
	Ø	0	
LATIN SMALL LETTER O WITH STROKE uni00F8			
LATIN SMALL LETTER U WITH GRAVE uni00F9	ù	Ù	
LATIN SMALL LETTER U WITH ACUTE uni00FA	ú	Ú	
LATIN SMALL LETTER U WITH CIRCUMFLEX uni00FB	û	û	
LATIN SMALL LETTER U WITH DIAERESIS uni00FC	ü	Ü	
LATIN SMALL LETTER Y WITH ACUTE uni00FD	ý	ý	
LATIN SMALL LETTER THORN uni00FE	þ	þ	
LATIN SMALL LETTER Y WITH DIAERESIS uni00FF	ÿ	ÿ	
LATIN SMALL LETTER DOTLESS I uni0131	I	l	
LATIN CAPITAL LIGATURE OE uni0152	Œ	Œ	
LATIN SMALL LIGATURE OE uni0153	œ	œ	
LATIN CAPITAL LETTER S WITH CARON uni0160	Š	Š	
LATIN SMALL LETTER S WITH CARON uni0161	Š	Š	
LATIN CAPITAL LETTER Y WITH DIAERESIS uni0178	Ÿ	Ÿ	
LATIN SMALL LETTER F WITH HOOK uni0192	f	f	
MODIFIER LETTER CIRCUMFLEX ACCENT uni02C6	^	Λ	
CARON uni02C7	~	V	
MODIFIER LETTER MACRON uni02C9	-	-	
BREVE uni02D8	J	J	
DOT ABOVE uni02D9		•	
	0	o	
RING ABOVE uni02DA			
OGONEK uni02DB	د	L	
SMALL TILDE uni02DC	~	~	
GREEK SMALL LETTER PI uni03C0	π	π	
EN DASH uni2013	-	_	

EM DASH uni2014	_	
LEFT SINGLE QUOTATION MARK uni2018	1	4
	7	,
RIGHT SINGLE QUOTATION MARK uni2019		
SINGLE LOW-9 QUOTATION MARK uni201A	,	,
LEFT DOUBLE QUOTATION MARK uni201C	11	"
RIGHT DOUBLE QUOTATION MARK uni201D	"	"
DOUBLE LOW-9 QUOTATION MARK uni201E	"	"
DAGGER uni2020	†	†
DOUBLE DAGGER uni2021	‡	‡
BULLET uni2022	•	•
HORIZONTAL ELLIPSIS uni2026		•••
PER MILLE SIGN uni2030	%00	% 0
SINGLE LEFT-POINTING ANGLE QUOTATION MARK uni2039	<	(
SINGLE RIGHT-POINTING ANGLE QUOTATION MARK uni203A	>)
EURO SIGN uni20AC	€	€
TRADE MARK SIGN uni2122	TM	TM
PARTIAL DIFFERENTIAL uni2202	9	∂
INCREMENT uni2206	Δ	Δ
N-ARY PRODUCT uni220F	П	П
DIVISION SLASH uni2215	/	/
BULLET OPERATOR uni2219	•	•
SQUARE ROOT uni221A	V	V
INFINITY uni221E	∞	∞
INTEGRAL uni222B	J	ſ
ALMOST EQUAL TO uni2248	≈	≈
NOT EQUAL TO uni2260	≠	<i>≠</i>
LESS-THAN OR EQUAL TO uni2264	\leq	≤
GREATER-THAN OR EQUAL TO		















