

DICIT 75DO		0
DIGIT ZERO uni0030	U	0
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)	@
LATIN CAPITAL LETTER A uni0041	А	A
LATIN CAPITAL LETTER B uni0042	В	В
LATIN CAPITAL LETTER C uni0043	С	С
LATIN CAPITAL LETTER D uni0044	D	D
LATIN CAPITAL LETTER E uni0045	Е	E
	_	
LATIN CAPITAL LETTER F uni0046	F	F
LATIN CAPITAL LETTER G uni0047	G	G
LATIN CAPITAL LETTER H uni0048	Н	Н
LATIN CAPITAL LETTER I uni0049		1
LATIN CAPITAL LETTER J uni004A	J	J

LATIN CAPITAL LETTER K uni004B	K	K
LATIN CAPITAL LETTER L uni004C	L	L
LATIN CAPITAL LETTER M uni004D	M	M
LATIN CAPITAL LETTER N uni004E	Ν	N
LATIN CAPITAL LETTER O uni004F	0	0
LATIN CAPITAL LETTER P uni0050	P	P
LATIN CAPITAL LETTER Q uni0051	Q	Q
LATIN CAPITAL LETTER R uni0052	R	R
LATIN CAPITAL LETTER S uni0053	S	S
LATIN CAPITAL LETTER T uni0054	Т	T
LATIN CAPITAL LETTER U uni0055	U	U
LATIN CAPITAL LETTER V uni0056	V	V
LATIN CAPITAL LETTER W uni0057	W	W
LATIN CAPITAL LETTER X uni0058	X	X
LATIN CAPITAL LETTER Y uni0059	Υ	Y
LATIN CAPITAL LETTER Z uni005A	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	а
LATIN SMALL LETTER B uni0062	b	b
LATIN SMALL LETTER C uni0063	С	С
LATIN SMALL LETTER D uni0064	d	d
LATIN SMALL LETTER E uni0065	е	е
LATIN SMALL LETTER F uni0066	f	f

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		I
LATIN SMALL LETTER M uni006D	m	m
LATIN SMALL LETTER N uni006E	n	n
LATIN SMALL LETTER O uni006F	0	0
LATIN SMALL LETTER P uni0070	р	р
LATIN SMALL LETTER Q uni0071	q	q
LATIN SMALL LETTER R uni0072	r	r
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		1
RIGHT CURLY BRACKET uni007D	}	}
TILDE uni007E	~	~
NO-BREAK SPACE uni00A0		
INVERTED EXCLAMATION MARK uni00A1	i	i
CENT SIGN uni00A2	¢	¢

POUND SIGN

uni00A3	£	£
CURRENCY SIGN uni00A4	¤	R
YEN SIGN uni00A5	¥	¥
BROKEN BAR uni00A6	I	ł
SECTION SIGN uni00A7	§	§
DIAERESIS uni00A8		••
COPYRIGHT SIGN uni00A9	©	©
FEMININE ORDINAL INDICATOR uni00AA	<u>a</u>	а
LEFT-POINTING DOUBLE ANGLE QUOTATION MARK uni00AB	<<	«
NOT SIGN uni00AC	¬	-
SOFT HYPHEN uni00AD		
REGISTERED SIGN uni00AE	R	®
DEGREE SIGN uni00B0	0	0
PLUS-MINUS SIGN uni00B1	\pm	±
SUPERSCRIPT TWO uni00B2	2	2
SUPERSCRIPT THREE uni00B3	3	3
ACUTE ACCENT uni00B4	/	•
MICRO SIGN uni00B5	μ	μ
PILCROW SIGN uni00B6	1	П
MIDDLE DOT uni00B7		•
CEDILLA uni00B8	٥	4
SUPERSCRIPT ONE uni00B9	1	1
MASCULINE ORDINAL INDICATOR uni00BA	Ō	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	غ	ડ
uni00BF		
LATIN CAPITAL LETTER A WITH GRAVE uni00C0	À	À
LATIN CAPITAL LETTER A WITH ACUTE uni00C1	Á	Á
LATIN CAPITAL LETTER A WITH CIRCUMFLEX uni00C2	Â	Â
LATIN CAPITAL LETTER A WITH TILDE uni00C3	Ã	Ã
LATIN CAPITAL LETTER A WITH DIAERESIS uni00C4	Ä	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		İ
LATIN CAPITAL LETTER I WITH CIRCUMFLEX uni00CE	 	Ĩ
LATIN CAPITAL LETTER I WITH DIAERESIS uni00CF		Ĩ
LATIN CAPITAL LETTER ETH uni00D0	Đ	Đ
LATIN CAPITAL LETTER N WITH TILDE uni00D1	N	Ñ
LATIN CAPITAL LETTER O WITH GRAVE uni00D2	Ó	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	Ö	Õ
LATIN CAPITAL LETTER O WITH DIAERESIS uni00D6	Ö	Ö
MULTIPLICATION SIGN uni00D7	X	×
LATIN CAPITAL LETTER O WITH STROKE uni00D8	Ø	Ø
LATIN CAPITAL LETTER U WITH GRAVE uni00D9	U	Ù

LATIN CAPITAL LETTER U WITH ACUTE

uni00DA	Ú	Ú
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	ß
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	ê
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	í
LATIN SMALL LETTER I WITH CIRCUMFLEX uni00EE	Î	î
LATIN SMALL LETTER I WITH DIAERESIS uni00EF	Ϊ	ï
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		
LATIN SMALL LETTER O WITH STROKE uni00F8	Ø	Ø
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
2.000.2		
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 CAPITAL LETTER C WITH CARON uni010C	Č	Č
LATIN SMALL LETTER C WITH CARON uni010D	Č	č
LATIN CAPITAL LETTER D WITH CARON uni010E	Ď	Ď
LATIN SMALL LETTER D WITH CARON uni010F	ď	ď
LATIN CAPITAL LETTER E WITH CARON uni011A	Ě	Ě
LATIN SMALL LETTER E WITH CARON uni011B	ě	ě
LATIN SMALL LETTER H WITH STROKE uni0127	ħ	ħ
LATIN CAPITAL LETTER I WITH TILDE uni0128	Ĩ	Ĩ
LATIN SMALL LETTER I WITH TILDE uni0129	ĩ	ĩ
LATIN SMALL LETTER DOTLESS I uni0131	-	ı
LATIN SMALL LIGATURE IJ uni0133	ij	ij
LATIN CADITAL LETTED LIMITH CIDCLIMELEY	î	ĵ
LATIN CAPITAL LETTER J WITH CIRCUMFLEX uni0134	J	
LATIN SMALL LETTER J WITH CIRCUMFLEX uni0135	Ĵ	Ĵ
LATIN SMALL LETTER K WITH CEDILLA uni0137	Ķ	ķ
LATIN SMALL LETTER KRA uni0138	K	K
LATIN CAPITAL LETTER L WITH ACUTE uni0139	L	L

LATIN SMALL LETTER L WITH ACUTE uni013A	ĺ	Í
LATIN CAPITAL LETTER L WITH CARON	Ľ	Ľ
uni013D	l'	ľ
LATIN SMALL LETTER L WITH CARON uni013E		
LATIN SMALL LETTER L WITH MIDDLE DOT uni0140	-	ŀ
LATIN CAPITAL LETTER L WITH STROKE uni0141	Ł	Ł
LATIN SMALL LETTER L WITH STROKE uni0142	ł	ł
LATIN CAPITAL LETTER N WITH ACUTE uni0143	Ń	Ń
LATIN SMALL LETTER N WITH ACUTE uni0144	ń	ń
LATIN CAPITAL LETTER N WITH CARON uni0147	Ň	Ň
LATIN SMALL LETTER N WITH CARON uni0148	ň	ň
LATIN CAPITAL LIGATURE OE uni0152	Œ	Œ
LATIN SMALL LIGATURE OE uni0153	œ	œ
LATIN CAPITAL LETTER R WITH ACUTE uni0154	Ŕ	Ŕ
LATIN SMALL LETTER R WITH ACUTE uni0155	ŕ	ŕ
LATIN CAPITAL LETTER R WITH CEDILLA uni0156	Ŗ	Ŗ
LATIN SMALL LETTER R WITH CEDILLA uni0157	ŗ	ŗ
LATIN CAPITAL LETTER R WITH CARON uni0158	Ř	Ř
LATIN SMALL LETTER R WITH CARON uni0159	ř	ř
LATIN CAPITAL LETTER S WITH CARON uni0160	Š	Š
LATIN SMALL LETTER S WITH CARON uni0161	Š	Š
LATIN CAPITAL LETTER T WITH CARON uni0164	Ť	Ť
LATIN SMALL LETTER T WITH CARON uni0165	ť	ť
LATIN CAPITAL LETTER U WITH RING ABOVE uni016E	Ů	Ů
LATIN SMALL LETTER U WITH RING ABOVE uni016F	ů	ů
LATIN CAPITAL LETTER Y WITH DIAERESIS uni0178	Ÿ	Ϋ
LATIN CAPITAL LETTER Z WITH CARON uni017D	Ž	Ž
LATIN SMALL LETTER Z WITH CARON uni017E	ž	ž
LATIN SMALL LETTER F WITH HOOK		

uni0192	f	f
MODIFIER LETTER CIRCUMFLEX ACCENT uni02C6	^	^
CARON uni02C7	~	•
SMALL TILDE uni02DC	~	~
CYRILLIC CAPITAL LETTER IO uni0401	Ë	Ë
CYRILLIC CAPITAL LETTER DJE uni0402	Ђ	Ъ
CYRILLIC CAPITAL LETTER GJE uni0403	ŕ	ŕ
CYRILLIC CAPITAL LETTER UKRAINIAN IE uni0404	Е	E
CYRILLIC CAPITAL LETTER DZE uni0405	S	S
CYRILLIC CAPITAL LETTER BYELORUSSIAN-UKRAINIAN I uni0406		1
CYRILLIC CAPITAL LETTER YI uni0407	Ϊ	Ϊ
CYRILLIC CAPITAL LETTER JE uni0408	J	J
CYRILLIC CAPITAL LETTER LJE uni0409	Љ	Љ
CYRILLIC CAPITAL LETTER NJE uni040A	Њ	њ
CYRILLIC CAPITAL LETTER TSHE uni040B	Ъ	ħ
CYRILLIC CAPITAL LETTER KJE uni040C	K	K
CYRILLIC CAPITAL LETTER SHORT U uni040E	ў	Ÿ
CYRILLIC CAPITAL LETTER DZHE uni040F	Ų	Ų
CYRILLIC CAPITAL LETTER A uni0410	A	A
CYRILLIC CAPITAL LETTER BE uni0411	Б	Б
CYRILLIC CAPITAL LETTER VE uni0412	В	В
CYRILLIC CAPITAL LETTER GHE uni0413	Γ	Γ
CYRILLIC CAPITAL LETTER DE uni0414	Д	Д
CYRILLIC CAPITAL LETTER IE uni0415	E	E
CYRILLIC CAPITAL LETTER ZHE uni0416	Ж	
CYRILLIC CAPITAL LETTER ZE uni0417	3	3
CYRILLIC CAPITAL LETTER I uni0418	И	И
CYRILLIC CAPITAL LETTER SHORT I uni0419	И	Й

CYRILLIC CAPITAL LETTER KA uni041A	(F	<
CYRILLIC CAPITAL LETTER EL uni041B	1 1	7
CYRILLIC CAPITAL LETTER EM uni041C	1	1
ŀ	1 F	-1
CYRILLIC CAPITAL LETTER EN uni041D		
CYRILLIC CAPITAL LETTER O uni041E)
CYRILLIC CAPITAL LETTER PE uni041F	1 г	1
CYRILLIC CAPITAL LETTER ER uni0420	F)
CYRILLIC CAPITAL LETTER ES uni0421		
CYRILLIC CAPITAL LETTER TE uni0422	7	
CYRILLIC CAPITAL LETTER U uni0423	/ !	J
CYRILLIC CAPITAL LETTER EF uni0424	Þ	Þ
CYRILLIC CAPITAL LETTER HA uni0425	\	<
CYRILLIC CAPITAL LETTER TSE uni0426	Ļ	1
CYRILLIC CAPITAL LETTER CHE uni0427	1	-1
CYRILLIC CAPITAL LETTER SHA uni0428		U
CYRILLIC CAPITAL LETTER SHCHA uni0429	ЦЦ	Ц
CYRILLIC CAPITAL LETTER HARD SIGN uni042A	1	>
CYRILLIC CAPITAL LETTER YERU uni042B	ol E	l
CYRILLIC CAPITAL LETTER SOFT SIGN uni042C	b	>
CYRILLIC CAPITAL LETTER E uni042D	9 3	•
CYRILLIC CAPITAL LETTER YU uni042E	K	0
CYRILLIC CAPITAL LETTER YA uni042F	3	F
CYRILLIC SMALL LETTER A uni0430	9 6	3
CYRILLIC SMALL LETTER BE uni0431	5 6	5
CYRILLIC SMALL LETTER VE uni0432	B E	3
CYRILLIC SMALL LETTER GHE uni0433		Г
CYRILLIC SMALL LETTER DE uni0434	1, 1	3

CYRILLIC SMALL LETTER IE uni0435	е	е
CYRILLIC SMALL LETTER ZHE uni0436	Ж	ж
CYRILLIC SMALL LETTER ZE uni0437	3	3
CYRILLIC SMALL LETTER I uni0438	И	И
CYRILLIC SMALL LETTER SHORT I uni0439	Й	Й
CYRILLIC SMALL LETTER KA uni043A	K	K
CYRILLIC SMALL LETTER EL uni043B	Л	Л
CYRILLIC SMALL LETTER EM uni043C	М	M
CYRILLIC SMALL LETTER EN uni043D	Н	н
CYRILLIC SMALL LETTER O uni043E	0	0
CYRILLIC SMALL LETTER PE uni043F	П	П
CYRILLIC SMALL LETTER ER uni0440	р	р
CYRILLIC SMALL LETTER ES uni0441	С	С
CYRILLIC SMALL LETTER TE uni0442	Т	Т
CYRILLIC SMALL LETTER U uni0443	У	У
CYRILLIC SMALL LETTER EF uni0444	ф	ф
CYRILLIC SMALL LETTER HA uni0445	X	X
CYRILLIC SMALL LETTER TSE uni0446	Ц	ц
CYRILLIC SMALL LETTER CHE uni0447	Ч	ч
CYRILLIC SMALL LETTER SHA uni0448	Ш	ш
CYRILLIC SMALL LETTER SHCHA uni0449	Щ	ш
CYRILLIC SMALL LETTER HARD SIGN uni044A	Ъ	ъ
CYRILLIC SMALL LETTER YERU uni044B	Ы	ы
CYRILLIC SMALL LETTER SOFT SIGN uni044C	Ь	Ь
CYRILLIC SMALL LETTER E uni044D	Э	Э
CYRILLIC SMALL LETTER YU uni044E	Ю	Ю
CYRILLIC SMALL LETTER YA uni044F CYRILLIC SMALL LETTER IO	Я	Я

uni0451	ë	ë
CYRILLIC SMALL LETTER DJE uni0452	b	ħ
u1110432	ŕ	ŕ
CYRILLIC SMALL LETTER GJE uni0453		
CYRILLIC SMALL LETTER UKRAINIAN IE uni0454	Е	E
CYRILLIC SMALL LETTER DZE uni0455	S	S
CYRILLIC SMALL LETTER BYELORUSSIAN-UKRAINIAN I uni0456	i	i
CYRILLIC SMALL LETTER YI uni0457	Ϊ	ï
CYRILLIC SMALL LETTER JE uni0458	j	j
CYRILLIC SMALL LETTER LJE uni0459	љ	Љ
CYRILLIC SMALL LETTER NJE uni045A	Њ	њ
CYRILLIC SMALL LETTER TSHE uni045B	ħ	ħ
CYRILLIC SMALL LETTER KJE uni045C	K	Ŕ
CYRILLIC SMALL LETTER SHORT U uni045E	ў	ў
CYRILLIC SMALL LETTER DZHE uni045F	Ļ	Ų
CYRILLIC CAPITAL LETTER GHE WITH UPTURN uni0490	Γ'	L
CYRILLIC SMALL LETTER GHE WITH UPTURN uni0491	۲	۲
EN DASH uni2013	_	-
EM DASH uni2014	—	_
LEFT SINGLE QUOTATION MARK uni2018	- 1	•
RIGHT SINGLE QUOTATION MARK uni2019	7	•
SINGLE LOW-9 QUOTATION MARK uni201A	,	•
LEFT DOUBLE QUOTATION MARK uni201C	44	**
RIGHT DOUBLE QUOTATION MARK uni201D	"	••
DOUBLE LOW-9 QUOTATION MARK uni201E	"	,,
DAGGER uni2020	†	t
DOUBLE DAGGER uni2021	‡	‡
BULLET uni2022	•	•
HORIZONTAL ELLIPSIS		





















