

## **The Unicode Standard, Version 5.2**

### **Archived Code Charts**

#### **The Unicode Standard, Version 5.2**

This file contains the complete set of character code tables and list of character names for *The Unicode Standard, Version 5.2*.

This file will not be updated with errata, or when additional characters are assigned to the Unicode Standard. See <http://www.unicode.org/errata/> for an up-to-date list of errata.

See <http://www.unicode.org/charts/> for access to a complete list of the latest character code charts. See <http://www.unicode.org/charts/PDF/Unicode-5.2/> for charts showing only the characters added in Unicode 5.2.

#### **Disclaimer**

These charts are provided as the online reference to the character contents of the Unicode Standard, Version 5.2 but do not provide all the information needed to fully support individual scripts using the Unicode Standard. For a complete understanding of the use of the characters contained in this file, please consult the appropriate sections of The Unicode Standard, Version 5.2, online at <http://www.unicode.org/versions/Unicode5.2.0/>, as well as Unicode Standard Annexes #9, #11, #14, #15, #24, #29, #31, #34, #38, #41, #42, and #44, the other Unicode Technical Reports and Standards, and the Unicode Character Database, which are available online.

See <http://www.unicode.org/ucd/> and <http://www.unicode.org/reports/>

A thorough understanding of the information contained in these additional sources is required for a successful implementation.

#### **Fonts**

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See <http://www.unicode.org/charts/fonts.html> for a list.

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





























See <http://www.unicode.org/pending/pending.html> and <http://www.unicode.org/alloc/Pipeline.html>.

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	000	001	002	003	004	005	006	007
0	NUL 0000	DLE 0010	SP 0020	0 0030	@ 0040	P 0050	` 0060	p 0070
1	SOH 0001	DC1 0011	! 0021	1 0031	A 0041	Q 0051	a 0061	q 0071
2	STX 0002	DC2 0012	" 0022	2 0032	B 0042	R 0052	b 0062	r 0072
3	ETX 0003	DC3 0013	# 0023	3 0033	C 0043	S 0053	c 0063	s 0073
4	EOT 0004	DC4 0014	\$ 0024	4 0034	D 0044	T 0054	d 0064	t 0074
5	ENQ 0005	NAK 0015	% 0025	5 0035	E 0045	U 0055	e 0065	u 0075
6	ACK 0006	SYN 0016	& 0026	6 0036	F 0046	V 0056	f 0066	v 0076
7	BEL 0007	ETB 0017	' 0027	7 0037	G 0047	W 0057	g 0067	w 0077
8	BS 0008	CAN 0018	( 0028	8 0038	H 0048	X 0058	h 0068	x 0078
9	HT 0009	EM 0019	) 0029	9 0039	I 0049	Y 0059	i 0069	y 0079
A	LF 000A	SUB 001A	* 002A	: 003A	J 004A	Z 005A	j 006A	z 007A
B	VT 000B	ESC 001B	+ 002B	; 003B	K 004B	[ 005B	k 006B	{ 007B
C	FF 000C	FS 001C	, 002C	< 003C	L 004C	\ 005C	l 006C	 007C
D	CR 000D	GS 001D	- 002D	= 003D	M 004D	] 005D	m 006D	} 007D
E	SO 000E	RS 001E	. 002E	> 003E	N 004E	^ 005E	n 006E	~ 007E
F	SI 000F	US 001F	/ 002F	? 003F	O 004F	_ 005F	o 006F	DEL 007F

**C0 controls**

Alias names are those for ISO/IEC 6429:1992. Commonly used alternative aliases are also shown.

0000		<control> = NULL	001A		<control> = SUBSTITUTE → FFFD  replacement character
0001		<control> = START OF HEADING	001B		<control> = ESCAPE
0002		<control> = START OF TEXT	001C		<control> = INFORMATION SEPARATOR FOUR = file separator (FS)
0003		<control> = END OF TEXT	001D		<control> = INFORMATION SEPARATOR THREE = group separator (GS)
0004		<control> = END OF TRANSMISSION	001E		<control> = INFORMATION SEPARATOR TWO = record separator (RS)
0005		<control> = ENQUIRY	001F		<control> = INFORMATION SEPARATOR ONE = unit separator (US)
0006		<control> = ACKNOWLEDGE	<b>ASCII punctuation and symbols</b>		
0007		<control> = BELL	<i>Based on ISO/IEC 646.</i>		
0008		<control> = BACKSPACE	0020		SPACE <ul style="list-style-type: none"> <li>• sometimes considered a control code</li> <li>• other space characters: 2000  —200A </li> </ul>
0009		<control> = CHARACTER TABULATION = horizontal tabulation (HT), tab			→ 00A0  no-break space → 200B  zero width space → 2060  word joiner → 3000  ideographic space → FEFF  zero width no-break space
000A		<control> = LINE FEED (LF) = new line (NL), end of line (EOL)	0021	!	<b>EXCLAMATION MARK</b> = factorial = bang → 00A1 ¡ inverted exclamation mark → 01C3 ! latin letter retroflex click → 203C !! double exclamation mark → 203D ? interrobang → 2762 ❗ heavy exclamation mark ornament
000B		<control> = LINE TABULATION = vertical tabulation (VT)	0022	"	<b>QUOTATION MARK</b> <ul style="list-style-type: none"> <li>• neutral (vertical), used as opening or closing quotation mark</li> <li>• preferred characters in English for paired quotation marks are 201C “ &amp; 201D ”</li> </ul>
000C		<control> = FORM FEED (FF)			→ 02BA ” modifier letter double prime → 030B ⸶ combining double acute accent → 030E ⸸ combining double vertical line above → 2033 ” double prime → 3003 ” ditto mark
000D		<control> = CARRIAGE RETURN (CR)	0023	#	<b>NUMBER SIGN</b> = pound sign, hash, crosshatch, octothorpe → 2114 ₣   b bar symbol → 266F ₪ music sharp sign
000E		<control> = SHIFT OUT <ul style="list-style-type: none"> <li>• known as LOCKING-SHIFT ONE in 8-bit environments</li> </ul>	0024	\$	<b>DOLLAR SIGN</b> = milreis, escudo <ul style="list-style-type: none"> <li>• glyph may have one or two vertical bars</li> <li>• other currency symbol characters: 20A0 ₧ —20B5 ₣</li> </ul>
000F		<control> = SHIFT IN <ul style="list-style-type: none"> <li>• known as LOCKING-SHIFT ZERO in 8-bit environments</li> </ul>	0025	%	<b>PERCENT SIGN</b> → 066A % arabic percent sign → 2030 ‰ per mille sign → 2031 ‰ per ten thousand sign → 2052 ‰ commercial minus sign
0010		<control> = DATA LINK ESCAPE	0026	&	<b>AMPERSAND</b> → 204A ɀ tironian sign et → 214B ɂ turned ampersand
0011		<control> = DEVICE CONTROL ONE			
0012		<control> = DEVICE CONTROL TWO			
0013		<control> = DEVICE CONTROL THREE			
0014		<control> = DEVICE CONTROL FOUR			
0015		<control> = NEGATIVE ACKNOWLEDGE			
0016		<control> = SYNCHRONOUS IDLE			
0017		<control> = END OF TRANSMISSION BLOCK			
0018		<control> = CANCEL			
0019		<control> = END OF MEDIUM			

0027	'	<b>APOSTROPHE</b> = apostrophe-quote (1.0) = APL quote • neutral (vertical) glyph with mixed usage • 2019 ' is preferred for apostrophe • preferred characters in English for paired quotation marks are 2018 ‘ & 2019 ’ → 02B9 ' modifier letter prime → 02BC ' modifier letter apostrophe → 02C8 ' modifier letter vertical line → 0301 ó combining acute accent → 2032 ' prime → A78C ' latin small letter saltillo
0028	(	<b>LEFT PARENTHESIS</b> = opening parenthesis (1.0)
0029	)	<b>RIGHT PARENTHESIS</b> = closing parenthesis (1.0) • see discussion on semantics of paired bracketing characters
002A	*	<b>ASTERISK</b> = star (on phone keypads) → 066D * arabic five pointed star → 204E * low asterisk → 2217 * asterisk operator → 26B9 * sextile → 2731 * heavy asterisk
002B	+	<b>PLUS SIGN</b>
002C	,	<b>COMMA</b> = decimal separator → 060C ، arabic comma → 201A , single low-9 quotation mark → 3001 、 ideographic comma
002D	-	<b>HYPHEN-MINUS</b> = hyphen or minus sign • used for either hyphen or minus sign → 2010 - hyphen → 2011 ⸮ non-breaking hyphen → 2012 – figure dash → 2013 — en dash → 2212 − minus sign → 10191 − roman uncia sign
002E	.	<b>FULL STOP</b> = period, dot, decimal point • may be rendered as a raised decimal point in old style numbers → 06D4 - arabic full stop → 3002 ｡ ideographic full stop
002F	/	<b>SOLIDUS</b> = slash, virgule → 01C0 l latin letter dental click → 0338 ⁄ combining long solidus overlay → 2044 ⁄ fraction slash → 2215 / division slash

**ASCII digits**

0030	0	DIGIT ZERO
0031	1	DIGIT ONE
0032	2	DIGIT TWO
0033	3	DIGIT THREE
0034	4	DIGIT FOUR
0035	5	DIGIT FIVE
0036	6	DIGIT SIX
0037	7	DIGIT SEVEN
0038	8	DIGIT EIGHT

0039 9 DIGIT NINE

**ASCII punctuation and symbols**

003A	:	<b>COLON</b> → 0589 : armenian full stop → 05C3 : hebrew punctuation sof pasuq → 2236 : ratio → A789 : modifier letter colon
003B	;	<b>SEMICOLON</b> • this, and not 037E ;, is the preferred character for 'Greek question mark' → 037E ; greek question mark → 061B ؛ arabic semicolon → 204F ؛ reversed semicolon
003C	<	<b>LESS-THAN SIGN</b> → 2039 ‹ single left-pointing angle quotation mark → 2329 ‹ left-pointing angle bracket → 27E8 ‹ mathematical left angle bracket → 3008 ‹ left angle bracket
003D	=	<b>EQUALS SIGN</b> • other related characters: 2241 ≈ —2263 ≡ → 2260 ≠ not equal to → 2261 ≡ identical to → A78A = modifier letter short equals sign → 10190 = roman sextans sign
003E	>	<b>GREATER-THAN SIGN</b> → 203A › single right-pointing angle quotation mark → 232A › right-pointing angle bracket → 27E9 › mathematical right angle bracket → 3009 › right angle bracket
003F	?	<b>QUESTION MARK</b> → 00BF ¿ inverted question mark → 037E ; greek question mark → 061F ؟ arabic question mark → 203D ? interrobang → 2048 ?! question exclamation mark → 2049 !? exclamation question mark
0040	@	<b>COMMERCIAL AT</b> = at sign

**Uppercase Latin alphabet**

0041	A	LATIN CAPITAL LETTER A
0042	B	LATIN CAPITAL LETTER B → 212C ℬ script capital b
0043	C	LATIN CAPITAL LETTER C → 2102 Ć double-struck capital c → 212D Ć black-letter capital c
0044	D	LATIN CAPITAL LETTER D
0045	E	LATIN CAPITAL LETTER E → 2107 ℰ euler constant → 2130 ℰ script capital e
0046	F	LATIN CAPITAL LETTER F → 2131 ℱ script capital f → 2132 ℱ turned capital f
0047	G	LATIN CAPITAL LETTER G
0048	H	LATIN CAPITAL LETTER H → 210B ℋ script capital h → 210C ℋ black-letter capital h → 210D ℋ double-struck capital h

0049	I	LATIN CAPITAL LETTER I	<ul style="list-style-type: none"> <li>Turkish and Azerbaijani use 0131 <b>ı</b> for lowercase</li> </ul> → 0130 <b>İ</b> latin capital letter i with dot above → 0406 <b>І</b> cyrillic capital letter byelorussian-ukrainian i → 04C0 <b>И</b> cyrillic letter palochka → 2110 <b>ℐ</b> script capital i → 2111 <b>ⱦ</b> black-letter capital i → 2160 <b>I</b> roman numeral one
004A	J	LATIN CAPITAL LETTER J	
004B	K	LATIN CAPITAL LETTER K	→ 212A <b>Ⓚ</b> kelvin sign
004C	L	LATIN CAPITAL LETTER L	→ 2112 <b>ℒ</b> script capital l
004D	M	LATIN CAPITAL LETTER M	→ 2133 <b>ℳ</b> script capital m
004E	N	LATIN CAPITAL LETTER N	→ 2115 <b>ℕ</b> double-struck capital n
004F	O	LATIN CAPITAL LETTER O	
0050	P	LATIN CAPITAL LETTER P	→ 2119 <b>ℙ</b> double-struck capital p
0051	Q	LATIN CAPITAL LETTER Q	→ 211A <b>ℚ</b> double-struck capital q
0052	R	LATIN CAPITAL LETTER R	→ 211B <b>℞</b> script capital r → 211C <b>Ᵽ</b> black-letter capital r → 211D <b>℞</b> double-struck capital r
0053	S	LATIN CAPITAL LETTER S	
0054	T	LATIN CAPITAL LETTER T	
0055	U	LATIN CAPITAL LETTER U	
0056	V	LATIN CAPITAL LETTER V	→ 2164 <b>V</b> roman numeral five
0057	W	LATIN CAPITAL LETTER W	
0058	X	LATIN CAPITAL LETTER X	
0059	Y	LATIN CAPITAL LETTER Y	
005A	Z	LATIN CAPITAL LETTER Z	→ 2124 <b>ℤ</b> double-struck capital z → 2128 <b>Ɀ</b> black-letter capital z

**ASCII punctuation and symbols**

005B	[	LEFT SQUARE BRACKET	= opening square bracket (1.0) <ul style="list-style-type: none"> <li>other bracket characters: 27E6 <b>⌈</b> (−27EB <b>⌋</b>), 2983 <b>⌈</b> (−2998 <b>⌋</b>), 3008 <b>⌈</b> (−301B <b>⌋</b>)</li> </ul>
005C	\	REVERSE SOLIDUS	= backslash → 20E5 <b>⸗</b> combining reverse solidus overlay → 2216 <b>\</b> set minus
005D	]	RIGHT SQUARE BRACKET	= closing square bracket (1.0)
005E	^	CIRCUMFLEX ACCENT	<ul style="list-style-type: none"> <li>this is a spacing character</li> </ul> → 02C4 <b>^</b> modifier letter up arrowhead → 02C6 <b>ˆ</b> modifier letter circumflex accent → 0302 <b>ˆ</b> combining circumflex accent → 2038 <b>^</b> caret → 2303 <b>⤴</b> up arrowhead

005F	_	LOW LINE	= spacing underscore (1.0) <ul style="list-style-type: none"> <li>this is a spacing character</li> </ul> → 02CD <b>˘</b> modifier letter low macron → 0331 <b>̣</b> combining macron below → 0332 <b>̤</b> combining low line → 2017 <b>⏟</b> double low line
0060	`	GRAVE ACCENT	<ul style="list-style-type: none"> <li>this is a spacing character</li> </ul> → 02CB <b>˘</b> modifier letter grave accent → 0300 <b>̀</b> combining grave accent → 2035 <b>˘</b> reversed prime

**Lowercase Latin alphabet**


0061	a	LATIN SMALL LETTER A	
0062	b	LATIN SMALL LETTER B	
0063	c	LATIN SMALL LETTER C	
0064	d	LATIN SMALL LETTER D	
0065	e	LATIN SMALL LETTER E	→ 212E <b>ē</b> estimated symbol → 212F <b>ℓ</b> script small e
0066	f	LATIN SMALL LETTER F	
0067	g	LATIN SMALL LETTER G	→ 0261 <b>ɡ</b> latin small letter script g → 210A <b>ℊ</b> script small g
0068	h	LATIN SMALL LETTER H	→ 04BB <b>Ӏ</b> cyrillic small letter shha → 210E <b>ℏ</b> planck constant
0069	i	LATIN SMALL LETTER I	<ul style="list-style-type: none"> <li>Turkish and Azerbaijani use 0130 <b>İ</b> for uppercase</li> </ul> → 0131 <b>ı</b> latin small letter dotless i → 1D6A4 <b>ı</b> mathematical italic small dotless i
006A	j	LATIN SMALL LETTER J	→ 0237 <b>ĵ</b> latin small letter dotless j → 1D6A5 <b>ĵ</b> mathematical italic small dotless j
006B	k	LATIN SMALL LETTER K	
006C	l	LATIN SMALL LETTER L	→ 2113 <b>ℓ</b> script small l → 1D4C1 <b>ℓ</b> mathematical script small l
006D	m	LATIN SMALL LETTER M	
006E	n	LATIN SMALL LETTER N	→ 207F <b>ⁿ</b> superscript latin small letter n
006F	o	LATIN SMALL LETTER O	→ 2134 <b>ℓ</b> script small o
0070	p	LATIN SMALL LETTER P	
0071	q	LATIN SMALL LETTER Q	
0072	r	LATIN SMALL LETTER R	
0073	s	LATIN SMALL LETTER S	
0074	t	LATIN SMALL LETTER T	
0075	u	LATIN SMALL LETTER U	
0076	v	LATIN SMALL LETTER V	
0077	w	LATIN SMALL LETTER W	
0078	x	LATIN SMALL LETTER X	
0079	y	LATIN SMALL LETTER Y	
007A	z	LATIN SMALL LETTER Z	→ 01B6 <b>ƶ</b> latin small letter z with stroke

**ASCII punctuation and symbols**

007B	{	LEFT CURLY BRACKET	= opening curly bracket (1.0) = left brace
------	---	--------------------	---

- 007C | **VERTICAL LINE**  
 = vertical bar  
 • used in pairs to indicate absolute value  
 → 01C0 | latin letter dental click  
 → 05C0 | hebrew punctuation paseq  
 → 2223 | divides  
 → 2758 | light vertical bar
- 007D } **RIGHT CURLY BRACKET**  
 = closing curly bracket (1.0)  
 = right brace
- 007E ~ **TILDE**  
 • this is a spacing character  
 → 02DC ~ small tilde  
 → 0303 ¯ combining tilde  
 → 2053 ~ swung dash  
 → 223C ~ tilde operator  
 → FF5E ~ fullwidth tilde

**Control character**

- 007F  **<control>**  
 = DELETE

	008	009	00A	00B	00C	00D	00E	00F
0	XXX 0080	DCS 0090	NB SP 00A0	◊ 00B0	À 00C0	Ð 00D0	à 00E0	ð 00F0
1	XXX 0081	PU1 0091	¡ 00A1	± 00B1	Á 00C1	Ñ 00D1	á 00E1	ñ 00F1
2	BPH 0082	PU2 0092	ç 00A2	² 00B2	Â 00C2	Ò 00D2	â 00E2	ò 00F2
3	NBH 0083	STS 0093	£ 00A3	³ 00B3	Ã 00C3	Ó 00D3	ã 00E3	ó 00F3
4	IND 0084	CCH 0094	Ⱬ 00A4	´ 00B4	Ä 00C4	Ô 00D4	ä 00E4	ô 00F4
5	NEL 0085	MW 0095	¥ 00A5	µ 00B5	Å 00C5	Õ 00D5	å 00E5	õ 00F5
6	SSA 0086	SPA 0096	¡ 00A6	¶ 00B6	Æ 00C6	Ö 00D6	æ 00E6	ö 00F6
7	ESA 0087	EPA 0097	§ 00A7	· 00B7	Ç 00C7	× 00D7	ç 00E7	÷ 00F7
8	HTS 0088	SOS 0098	¨ 00A8	¸ 00B8	È 00C8	Ø 00D8	è 00E8	ø 00F8
9	HTJ 0089	XXX 0099	© 00A9	¹ 00B9	É 00C9	Ù 00D9	é 00E9	ù 00F9
A	VTS 008A	SCI 009A	à 00AA	º 00BA	Ê 00CA	Ú 00DA	ê 00EA	ú 00FA
B	PLD 008B	CSI 009B	« 00AB	» 00BB	Ë 00CB	Û 00DB	ë 00EB	û 00FB
C	PLU 008C	ST 009C	¬ 00AC	¼ 00BC	Ì 00CC	Ü 00DC	ì 00EC	ü 00FC
D	RI 008D	OSC 009D	SHY 00AD	½ 00BD	Í 00CD	Ý 00DD	í 00ED	ý 00FD
E	SS2 008E	PM 009E	® 00AE	¾ 00BE	Î 00CE	ß 00DE	î 00EE	þ 00FE
F	SS3 008F	APC 009F	— 00AF	¿ 00BF	Ï 00CF	ß 00DF	ï 00EF	ÿ 00FF

**C1 controls**

*Alias names are those for ISO/IEC 6429:1992.*

0080		<control>
0081		<control>
0082		<control> = BREAK PERMITTED HERE → 200B  zero width space
0083		<control> = NO BREAK HERE → 2060  word joiner
0084		<control> • formerly known as INDEX
0085		<control> = NEXT LINE (NEL)
0086		<control> = START OF SELECTED AREA
0087		<control> = END OF SELECTED AREA
0088		<control> = CHARACTER TABULATION SET
0089		<control> = CHARACTER TABULATION WITH JUSTIFICATION
008A		<control> = LINE TABULATION SET
008B		<control> = PARTIAL LINE FORWARD
008C		<control> = PARTIAL LINE BACKWARD
008D		<control> = REVERSE LINE FEED
008E		<control> = SINGLE SHIFT TWO
008F		<control> = SINGLE SHIFT THREE
0090		<control> = DEVICE CONTROL STRING
0091		<control> = PRIVATE USE ONE
0092		<control> = PRIVATE USE TWO
0093		<control> = SET TRANSMIT STATE
0094		<control> = CANCEL CHARACTER
0095		<control> = MESSAGE WAITING
0096		<control> = START OF GUARDED AREA
0097		<control> = END OF GUARDED AREA
0098		<control> = START OF STRING
0099		<control>
009A		<control> = SINGLE CHARACTER INTRODUCER
009B		<control> = CONTROL SEQUENCE INTRODUCER
009C		<control> = STRING TERMINATOR
009D		<control> = OPERATING SYSTEM COMMAND
009E		<control> = PRIVACY MESSAGE

009F <control>  
= APPLICATION PROGRAM COMMAND

**Latin-1 punctuation and symbols**

*Based on ISO/IEC 8859-1 (aka Latin-1) from here.*

00A0		<b>NO-BREAK SPACE</b> • commonly abbreviated as NBSP → 0020  space → 2007  figure space → 202F  narrow no-break space → 2060  word joiner → FEFF  zero width no-break space ≈ <noBreak> 0020
00A1	¡	<b>INVERTED EXCLAMATION MARK</b> • Spanish, Asturian, Galician → 0021 ! exclamation mark
00A2	¢	<b>CENT SIGN</b>
00A3	£	<b>POUND SIGN</b> = pound sterling, Irish punt, Italian lira, Turkish lira, etc. → 20A4 £ lira sign → 10192 ₤ roman semuncia sign
00A4	¤	<b>CURRENCY SIGN</b> • other currency symbol characters: 20A0 €—20B5 ₤ → 0024 \$ dollar sign
00A5	¥	<b>YEN SIGN</b> = yuan sign • glyph may have one or two crossbars
00A6	¦	<b>BROKEN BAR</b> = broken vertical bar (1.0) = parted rule (in typography)
00A7	§	<b>SECTION SIGN</b> • paragraph sign in some European usage
00A8	¨	<b>DIAERESIS</b> • this is a spacing character → 0308 ¨ combining diaeresis ≈ 0020  0308 ¨
00A9	©	<b>COPYRIGHT SIGN</b> → 2117 ® sound recording copyright → 24B8 © circled latin capital letter c
00AA	ª	<b>FEMININE ORDINAL INDICATOR</b> • Spanish ≈ <super> 0061 a
00AB	«	<b>LEFT-POINTING DOUBLE ANGLE QUOTATION MARK</b> = left guillemet = chevrons (in typography) • usually opening, sometimes closing → 226A « much less-than → 300A « left double angle bracket
00AC	¬	<b>NOT SIGN</b> = angled dash (in typography) → 2310 ¬ reversed not sign
00AD		<b>SOFT HYPHEN</b> = discretionary hyphen • commonly abbreviated as SHY
00AE	®	<b>REGISTERED SIGN</b> = registered trade mark sign (1.0) → 24C7 ® circled latin capital letter r



00AF	¯	<b>MACRON</b> = overline, APL overbar • this is a spacing character → 02C9 ¯ modifier letter macron → 0304 ¯ combining macron → 0305 ¯ combining overline ≈ 0020 [sp] 0304 ¯	00BA	º	<b>MASCULINE ORDINAL INDICATOR</b> • Spanish ≈ <sup> 006F º
00B0	°	<b>DEGREE SIGN</b> • this is a spacing character → 02DA ° ring above → 030A ° combining ring above → 2070 ° superscript zero → 2218 ° ring operator	00BB	»	<b>RIGHT-POINTING DOUBLE ANGLE QUOTATION MARK</b> = right guillemet • usually closing, sometimes opening → 226B » much greater-than → 300B » right double angle bracket
00B1	±	<b>PLUS-MINUS SIGN</b> → 2213 ± minus-or-plus sign	00BC	¼	<b>VULGAR FRACTION ONE QUARTER</b> • bar may be horizontal or slanted • other fraction characters: 2153 ¼ –215E ¾ ≈ <fraction> 0031 1 2044/ 0034 4
00B2	²	<b>SUPERSCRIPT TWO</b> = squared • other superscript digit characters: 2070 ⁰ –2079 ⁹ → 00B9 ¹ superscript one ≈ <sup> 0032 2	00BD	½	<b>VULGAR FRACTION ONE HALF</b> • bar may be horizontal or slanted ≈ <fraction> 0031 1 2044/ 0032 2
00B3	³	<b>SUPERSCRIPT THREE</b> = cubed → 00B9 ¹ superscript one ≈ <sup> 0033 3	00BE	¾	<b>VULGAR FRACTION THREE QUARTERS</b> • bar may be horizontal or slanted ≈ <fraction> 0033 3 2044/ 0034 4
00B4	´	<b>ACUTE ACCENT</b> • this is a spacing character → 02B9 ´ modifier letter prime → 02CA ´ modifier letter acute accent → 0301 ´ combining acute accent → 2032 ´ prime ≈ 0020 [sp] 0301 ´	00BF	¿	<b>INVERTED QUESTION MARK</b> = turned question mark • Spanish → 003F ? question mark → 2E2E ? reversed question mark
00B5	μ	<b>MICRO SIGN</b> ≈ 03BC μ greek small letter mu	<b>Letters</b>		
00B6	¶	<b>PILCROW SIGN</b> = paragraph sign • section sign in some European usage → 204B ¶ reversed pilcrow sign → 2761 ¶ curved stem paragraph sign ornament	00C0	À	<b>LATIN CAPITAL LETTER A WITH GRAVE</b> ≡ 0041 A 0300 ò
00B7	·	<b>MIDDLE DOT</b> = midpoint (in typography) = Georgian comma = Greek middle dot (ano teleia) → 0387 · greek ano teleia → 16EB · runic single punctuation → 2022 · bullet → 2024 · one dot leader → 2027 · hyphenation point → 2219 · bullet operator → 22C5 · dot operator → 2E31 · word separator middle dot → 30FB · katakana middle dot	00C1	Á	<b>LATIN CAPITAL LETTER A WITH ACUTE</b> ≡ 0041 A 0301 ó
00B8	¸	<b>CEDILLA</b> • this is a spacing character • other spacing accent characters: 02D8 ¸ –02DB ¸ → 0327 ¸ combining cedilla ≈ 0020 [sp] 0327 ¸	00C2	Â	<b>LATIN CAPITAL LETTER A WITH CIRCUMFLEX</b> ≡ 0041 A 0302 ô
00B9	¹	<b>SUPERSCRIPT ONE</b> → 00B2 ² superscript two → 00B3 ³ superscript three ≈ <sup> 0031 1	00C3	Ã	<b>LATIN CAPITAL LETTER A WITH TILDE</b> ≡ 0041 A 0303 õ
			00C4	Ä	<b>LATIN CAPITAL LETTER A WITH DIAERESIS</b> ≡ 0041 A 0308 ö
			00C5	Å	<b>LATIN CAPITAL LETTER A WITH RING ABOVE</b> → 212B Å angstrom sign ≡ 0041 A 030A ø
			00C6	Æ	<b>LATIN CAPITAL LETTER AE</b> = latin capital ligature ae (1.0)
			00C7	Ç	<b>LATIN CAPITAL LETTER C WITH CEDILLA</b> ≡ 0043 C 0327 ç
			00C8	È	<b>LATIN CAPITAL LETTER E WITH GRAVE</b> ≡ 0045 E 0300 è
			00C9	É	<b>LATIN CAPITAL LETTER E WITH ACUTE</b> ≡ 0045 E 0301 é
			00CA	Ê	<b>LATIN CAPITAL LETTER E WITH CIRCUMFLEX</b> ≡ 0045 E 0302 ê
			00CB	Ë	<b>LATIN CAPITAL LETTER E WITH DIAERESIS</b> ≡ 0045 E 0308 ë
			00CC	Ì	<b>LATIN CAPITAL LETTER I WITH GRAVE</b> ≡ 0049 I 0300 ì
			00CD	Í	<b>LATIN CAPITAL LETTER I WITH ACUTE</b> ≡ 0049 I 0301 í
			00CE	Î	<b>LATIN CAPITAL LETTER I WITH CIRCUMFLEX</b> ≡ 0049 I 0302 î
			00CF	Ï	<b>LATIN CAPITAL LETTER I WITH DIAERESIS</b> ≡ 0049 I 0308 ï
			00D0	Ð	<b>LATIN CAPITAL LETTER ETH</b> → 00F0 ð latin small letter eth → 0110 Ð latin capital letter d with stroke → 0189 Ð latin capital letter african d

00D1	Ñ	LATIN CAPITAL LETTER N WITH TILDE ≡ 004E N 0303 ǿ
00D2	Ò	LATIN CAPITAL LETTER O WITH GRAVE ≡ 004F O 0300 ò
00D3	Ó	LATIN CAPITAL LETTER O WITH ACUTE ≡ 004F O 0301 ó
00D4	Ô	LATIN CAPITAL LETTER O WITH CIRCUMFLEX ≡ 004F O 0302 ô
00D5	Õ	LATIN CAPITAL LETTER O WITH TILDE ≡ 004F O 0303 õ
00D6	Ö	LATIN CAPITAL LETTER O WITH DIAERESIS ≡ 004F O 0308 ö

**Mathematical operator**

00D7	×	MULTIPLICATION SIGN = z notation Cartesian product
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**Letters**

00D8	Ø	LATIN CAPITAL LETTER O WITH STROKE = o slash → 2205 Ø empty set
00D9	Û	LATIN CAPITAL LETTER U WITH GRAVE ≡ 0055 U 0300 ù
00DA	Ú	LATIN CAPITAL LETTER U WITH ACUTE ≡ 0055 U 0301 ú
00DB	Û	LATIN CAPITAL LETTER U WITH CIRCUMFLEX ≡ 0055 U 0302 û
00DC	Ü	LATIN CAPITAL LETTER U WITH DIAERESIS ≡ 0055 U 0308 ü
00DD	Ý	LATIN CAPITAL LETTER Y WITH ACUTE ≡ 0059 Y 0301 ý
00DE	Þ	LATIN CAPITAL LETTER THORN
00DF	ß	LATIN SMALL LETTER SHARP S = Eszett • German • uppercase is “SS” • in origin a ligature of 017F f and 0073 s → 03B2 β greek small letter beta → 1E9E Š latin capital letter sharp s
00E0	à	LATIN SMALL LETTER A WITH GRAVE ≡ 0061 a 0300 à
00E1	á	LATIN SMALL LETTER A WITH ACUTE ≡ 0061 a 0301 á
00E2	â	LATIN SMALL LETTER A WITH CIRCUMFLEX ≡ 0061 a 0302 â
00E3	ã	LATIN SMALL LETTER A WITH TILDE • Portuguese ≡ 0061 a 0303 ã
00E4	ä	LATIN SMALL LETTER A WITH DIAERESIS ≡ 0061 a 0308 ä
00E5	å	LATIN SMALL LETTER A WITH RING ABOVE • Danish, Norwegian, Swedish, Walloon ≡ 0061 a 030A å
00E6	æ	LATIN SMALL LETTER AE = latin small ligature ae (1.0) = ash (from Old English æsc) • Danish, Norwegian, Icelandic, Faroese, Old English, French, IPA → 0153 œ latin small ligature oe → 04D5 æ cyrillic small ligature a ie
00E7	ç	LATIN SMALL LETTER C WITH CEDILLA ≡ 0063 c 0327 ç
00E8	è	LATIN SMALL LETTER E WITH GRAVE ≡ 0065 e 0300 è

00E9	é	LATIN SMALL LETTER E WITH ACUTE ≡ 0065 e 0301 é
00EA	ê	LATIN SMALL LETTER E WITH CIRCUMFLEX ≡ 0065 e 0302 ê
00EB	ë	LATIN SMALL LETTER E WITH DIAERESIS ≡ 0065 e 0308 ë
00EC	ì	LATIN SMALL LETTER I WITH GRAVE • Italian, Malagasy ≡ 0069 i 0300 ì
00ED	í	LATIN SMALL LETTER I WITH ACUTE ≡ 0069 i 0301 í
00EE	î	LATIN SMALL LETTER I WITH CIRCUMFLEX ≡ 0069 i 0302 î
00EF	ï	LATIN SMALL LETTER I WITH DIAERESIS ≡ 0069 i 0308 ï
00F0	ð	LATIN SMALL LETTER ETH • Icelandic, Faroese, Old English, IPA → 00D0 Ð latin capital letter eth → 03B4 δ greek small letter delta → 2202 ∂ partial differential
00F1	ñ	LATIN SMALL LETTER N WITH TILDE ≡ 006E n 0303 ñ
00F2	ò	LATIN SMALL LETTER O WITH GRAVE ≡ 006F o 0300 ò
00F3	ó	LATIN SMALL LETTER O WITH ACUTE ≡ 006F o 0301 ó
00F4	ô	LATIN SMALL LETTER O WITH CIRCUMFLEX ≡ 006F o 0302 ô
00F5	õ	LATIN SMALL LETTER O WITH TILDE • Portuguese, Estonian ≡ 006F o 0303 õ
00F6	ö	LATIN SMALL LETTER O WITH DIAERESIS ≡ 006F o 0308 ö

**Mathematical operator**

00F7	÷	DIVISION SIGN → 2215 / division slash → 2223   divides
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**Letters**

00F8	ø	LATIN SMALL LETTER O WITH STROKE = o slash • Danish, Norwegian, Faroese, IPA
00F9	ù	LATIN SMALL LETTER U WITH GRAVE • French, Italian ≡ 0075 u 0300 ù
00FA	ú	LATIN SMALL LETTER U WITH ACUTE ≡ 0075 u 0301 ú
00FB	û	LATIN SMALL LETTER U WITH CIRCUMFLEX ≡ 0075 u 0302 û
00FC	ü	LATIN SMALL LETTER U WITH DIAERESIS ≡ 0075 u 0308 ü
00FD	ý	LATIN SMALL LETTER Y WITH ACUTE • Czech, Slovak, Icelandic, Faroese, Welsh, Malagasy ≡ 0079 y 0301 ý
00FE	þ	LATIN SMALL LETTER THORN • Icelandic, Old English, phonetics • Runic letter borrowed into Latin script → 16A6 Þ runic letter thurisaz thurs thorn

00FF ÿ LATIN SMALL LETTER Y WITH DIAERESIS  
• French  
→ 0178 Ÿ latin capital letter y with diaeresis  
≡ 0079 y 0308 ö

	010	011	012	013	014	015	016	017
0	Ā 0100	Ð 0110	Ġ 0120	İ 0130	ı̇ 0140	Ŏ 0150	Š 0160	Ů 0170
1	ā 0101	ð 0111	ġ 0121	ı̇ 0131	ł 0141	ő 0151	š 0161	ů 0171
2	Ǻ 0102	Ē 0112	Ɔ 0122	IJ 0132	ł 0142	Œ 0152	Ƨ 0162	ƨ 0172
3	ǻ 0103	ē 0113	ċ 0123	ij 0133	ń 0143	œ 0153	Ƨ 0163	ƨ 0173
4	Ą 0104	Ě 0114	Ĥ 0124	Ĵ 0134	ń 0144	Ŕ 0154	Ť 0164	Ŵ 0174
5	ą 0105	ě 0115	ĥ 0125	ĵ 0135	Ń 0145	ŕ 0155	ť 0165	ŵ 0175
6	Ć 0106	Ė 0116	Ħ 0126	Ƙ 0136	ŋ 0146	Ŗ 0156	Ʀ 0166	Ŷ 0176
7	ć 0107	ė 0117	ħ 0127	ƙ 0137	ň 0147	ŗ 0157	Ƨ 0167	ŷ 0177
8	Ĉ 0108	Ę 0118	Ĩ 0128	ƕ 0138	ň 0148	Ř 0158	Ũ 0168	ÿ 0178
9	ĉ 0109	ę 0119	ĩ 0129	ĺ 0139	’n 0149	ř 0159	ũ 0169	ž 0179
A	Ċ 010A	Ě 011A	Ī 012A	Í 013A	Ń 014A	Ś 015A	Ū 016A	ž 017A
B	ċ 010B	ě 011B	ī 012B	ł 013B	ŋ 014B	ś 015B	ū 016B	ž 017B
C	Č 010C	Ĝ 011C	Ĭ 012C	ł 013C	Ō 014C	Ŝ 015C	Ů 016C	ž 017C
D	č 010D	ĝ 011D	ĭ 012D	ł 013D	ō 014D	ŝ 015D	ů 016D	ž 017D
E	Ď 010E	Ǧ 011E	Į 012E	ł 013E	Ŏ 014E	Ş 015E	Ű 016E	ž 017E
F	ď 010F	ǧ 011F	į 012F	ł 013F	ő 014F	ş 015F	ű 016F	ƒ 017F

**European Latin**

0100	Ā	LATIN CAPITAL LETTER A WITH MACRON ≡ 0041 <b>A</b> 0304 ̄	0114	Ĕ	LATIN CAPITAL LETTER E WITH BREVE ≡ 0045 <b>E</b> 0306 ̆
0101	ā	LATIN SMALL LETTER A WITH MACRON • Latvian, Latin, ... ≡ 0061 <b>a</b> 0304 ̄	0115	ĕ	LATIN SMALL LETTER E WITH BREVE • Malay, Latin, ... ≡ 0065 <b>e</b> 0306 ̆
0102	Ă	LATIN CAPITAL LETTER A WITH BREVE ≡ 0041 <b>A</b> 0306 ̇	0116	Ė	LATIN CAPITAL LETTER E WITH DOT ABOVE ≡ 0045 <b>E</b> 0307 ˙
0103	ă	LATIN SMALL LETTER A WITH BREVE • Romanian, Vietnamese, Latin, ... ≡ 0061 <b>a</b> 0306 ̇	0117	ė	LATIN SMALL LETTER E WITH DOT ABOVE • Lithuanian ≡ 0065 <b>e</b> 0307 ˙
0104	Ą	LATIN CAPITAL LETTER A WITH OGONEK ≡ 0041 <b>A</b> 0328 ˚	0118	Ę	LATIN CAPITAL LETTER E WITH OGONEK ≡ 0045 <b>E</b> 0328 ˛
0105	ą	LATIN SMALL LETTER A WITH OGONEK • Polish, Lithuanian, ... ≡ 0061 <b>a</b> 0328 ˚	0119	ę	LATIN SMALL LETTER E WITH OGONEK • Polish, Lithuanian, ... ≡ 0065 <b>e</b> 0328 ˛
0106	Ć	LATIN CAPITAL LETTER C WITH ACUTE ≡ 0043 <b>C</b> 0301 ˛	011A	Ę	LATIN CAPITAL LETTER E WITH CARON ≡ 0045 <b>E</b> 030C ̨
0107	ć	LATIN SMALL LETTER C WITH ACUTE • Polish, Croatian, ... → 045B <b>ћ</b> cyrillic small letter tshe ≡ 0063 <b>c</b> 0301 ˛	011B	ě	LATIN SMALL LETTER E WITH CARON • Czech, ... ≡ 0065 <b>e</b> 030C ̨
0108	Ĉ	LATIN CAPITAL LETTER C WITH CIRCUMFLEX ≡ 0043 <b>C</b> 0302 ˆ	011C	Ĝ	LATIN CAPITAL LETTER G WITH CIRCUMFLEX ≡ 0047 <b>G</b> 0302 ˆ
0109	ĉ	LATIN SMALL LETTER C WITH CIRCUMFLEX • Esperanto ≡ 0063 <b>c</b> 0302 ˆ	011D	ĝ	LATIN SMALL LETTER G WITH CIRCUMFLEX • Esperanto ≡ 0067 <b>g</b> 0302 ˆ
010A	Ċ	LATIN CAPITAL LETTER C WITH DOT ABOVE ≡ 0043 <b>C</b> 0307 ˙	011E	Ģ	LATIN CAPITAL LETTER G WITH BREVE ≡ 0047 <b>G</b> 0306 ̆
010B	ċ	LATIN SMALL LETTER C WITH DOT ABOVE • Maltese, Irish Gaelic (old orthography) ≡ 0063 <b>c</b> 0307 ˙	011F	ğ	LATIN SMALL LETTER G WITH BREVE • Turkish, Azerbaijani → 01E7 <b>ğ</b> latin small letter g with caron ≡ 0067 <b>g</b> 0306 ̆
010C	Č	LATIN CAPITAL LETTER C WITH CARON ≡ 0043 <b>C</b> 030C ̨	0120	Ġ	LATIN CAPITAL LETTER G WITH DOT ABOVE ≡ 0047 <b>G</b> 0307 ˙
010D	č	LATIN SMALL LETTER C WITH CARON • Czech, Slovak, Slovenian, and many other languages ≡ 0063 <b>c</b> 030C ̨	0121	ġ	LATIN SMALL LETTER G WITH DOT ABOVE • Maltese, Irish Gaelic (old orthography) ≡ 0067 <b>g</b> 0307 ˙
010E	Ď	LATIN CAPITAL LETTER D WITH CARON • the form using caron/hacek is preferred in all contexts ≡ 0044 <b>D</b> 030C ̨	0122	Ģ	LATIN CAPITAL LETTER G WITH CEDILLA ≡ 0047 <b>G</b> 0327 ̣
010F	ď	LATIN SMALL LETTER D WITH CARON • Czech, Slovak • the form using apostrophe is preferred in typesetting ≡ 0064 <b>d</b> 030C ̨	0123	ģ	LATIN SMALL LETTER G WITH CEDILLA • Latvian • there are three major glyph variants ≡ 0067 <b>g</b> 0327 ̣
0110	Ð	LATIN CAPITAL LETTER D WITH STROKE → 00D0 <b>Ð</b> latin capital letter eth → 0111 <b>đ</b> latin small letter d with stroke → 0189 <b>Đ</b> latin capital letter african d	0124	Ĥ	LATIN CAPITAL LETTER H WITH CIRCUMFLEX ≡ 0048 <b>H</b> 0302 ˆ
0111	đ	LATIN SMALL LETTER D WITH STROKE • Croatian, Vietnamese, Sami • an alternate glyph with the stroke through the bowl is used in Americanist orthographies → 0110 <b>Đ</b> latin capital letter d with stroke → 0452 <b>ђ</b> cyrillic small letter dje	0125	ĥ	LATIN SMALL LETTER H WITH CIRCUMFLEX • Esperanto ≡ 0068 <b>h</b> 0302 ˆ
0112	Ē	LATIN CAPITAL LETTER E WITH MACRON ≡ 0045 <b>E</b> 0304 ̄	0126	Ħ	LATIN CAPITAL LETTER H WITH STROKE
0113	ē	LATIN SMALL LETTER E WITH MACRON • Latvian, Latin, ... ≡ 0065 <b>e</b> 0304 ̄	0127	ħ	LATIN SMALL LETTER H WITH STROKE • Maltese, IPA, ... → 045B <b>ћ</b> cyrillic small letter tshe → 210F <b>ħ</b> planck constant over two pi
			0128	Ī	LATIN CAPITAL LETTER I WITH TILDE ≡ 0049 <b>I</b> 0303 ̃
			0129	ĩ	LATIN SMALL LETTER I WITH TILDE • Greenlandic (old orthography) ≡ 0069 <b>i</b> 0303 ̃
			012A	Ī	LATIN CAPITAL LETTER I WITH MACRON ≡ 0049 <b>I</b> 0304 ̄
			012B	ī	LATIN SMALL LETTER I WITH MACRON • Latvian, Latin, ... ≡ 0069 <b>i</b> 0304 ̄

012C Ĩ LATIN CAPITAL LETTER I WITH BREVE  
 ≡ 0049 I 0306 ǵ

012D ĩ LATIN SMALL LETTER I WITH BREVE  
 • Latin, ...  
 ≡ 0069 i 0306 ǵ

012E Į LATIN CAPITAL LETTER I WITH OGONEK  
 ≡ 0049 I 0328 ı̇

012F į LATIN SMALL LETTER I WITH OGONEK  
 • Lithuanian, ...  
 ≡ 0069 i 0328 ı̇

0130 İ LATIN CAPITAL LETTER I WITH DOT ABOVE  
 = i dot  
 • Turkish, Azerbaijani  
 • lowercase is 0069 i  
 → 0049 I latin capital letter i  
 ≡ 0049 I 0307 ı̇

0131 ı LATIN SMALL LETTER DOTLESS I  
 • Turkish, Azerbaijani  
 • uppercase is 0049 I  
 → 0069 i latin small letter i

0132 İJ LATIN CAPITAL LIGATURE IJ  
 ≈ 0049 I 004A J

0133 ij LATIN SMALL LIGATURE IJ  
 • Dutch  
 ≈ 0069 i 006A j

0134 Ĵ LATIN CAPITAL LETTER J WITH CIRCUMFLEX  
 ≡ 004A J 0302 ˆ

0135 ĵ LATIN SMALL LETTER J WITH CIRCUMFLEX  
 • Esperanto  
 ≡ 006A j 0302 ˆ

0136 Ḳ LATIN CAPITAL LETTER K WITH CEDILLA  
 ≡ 004B K 0327 ̣

0137 ḳ LATIN SMALL LETTER K WITH CEDILLA  
 • Latvian  
 ≡ 006B k 0327 ̣

0138 ḳ LATIN SMALL LETTER KRA  
 • Greenlandic (old orthography)

0139 Ĺ LATIN CAPITAL LETTER L WITH ACUTE  
 ≡ 004C L 0301 ́

013A ľ LATIN SMALL LETTER L WITH ACUTE  
 • Slovak  
 ≡ 006C l 0301 ́

013B Ľ LATIN CAPITAL LETTER L WITH CEDILLA  
 ≡ 004C L 0327 ̣

013C ľ LATIN SMALL LETTER L WITH CEDILLA  
 • Latvian  
 ≡ 006C l 0327 ̣

013D Ľ LATIN CAPITAL LETTER L WITH CARON  
 • the form using apostrophe is preferred in typesetting  
 ≡ 004C L 030C ̣

013E ĺ LATIN SMALL LETTER L WITH CARON  
 • Slovak  
 • the form using apostrophe is preferred in typesetting  
 ≡ 006C l 030C ̣

013F Ľ LATIN CAPITAL LETTER L WITH MIDDLE DOT  
 • some fonts show the middle dot inside the L,  
 but the preferred form has the dot following  
 the L  
 ≈ 004C L 00B7 ·

0140 ḷ LATIN SMALL LETTER L WITH MIDDLE DOT  
 ≈ 006C l 00B7 ·  
 • Catalan legacy compatibility character for ISO/IEC 6937  
 • preferred representation for Catalan: 006C I 00B7 ·

0141 Ł LATIN CAPITAL LETTER L WITH STROKE  
 → 023D Ł latin capital letter l with bar

0142 ł LATIN SMALL LETTER L WITH STROKE  
 • Polish, ...  
 → 019A ł latin small letter l with bar

0143 Ń LATIN CAPITAL LETTER N WITH ACUTE  
 ≡ 004E N 0301 ́

0144 ń LATIN SMALL LETTER N WITH ACUTE  
 • Polish, ...  
 ≡ 006E n 0301 ́

0145 Ņ LATIN CAPITAL LETTER N WITH CEDILLA  
 ≡ 004E N 0327 ̣

0146 ņ LATIN SMALL LETTER N WITH CEDILLA  
 • Latvian  
 ≡ 006E n 0327 ̣

0147 Ň LATIN CAPITAL LETTER N WITH CARON  
 ≡ 004E N 030C ̣

0148 ň LATIN SMALL LETTER N WITH CARON  
 • Czech, Slovak  
 ≡ 006E n 030C ̣

**Deprecated letter**

0149 'n LATIN SMALL LETTER N PRECEDED BY APOSTROPHE  
 = latin small letter apostrophe n (1.0)  
 • this character is deprecated and its use is strongly discouraged  
 • Afrikaans  
 ≈ 02BC ' 006E n  
 • legacy compatibility character for ISO/IEC 6937  
 • uppercase is 02BC ' 004E N

**European Latin**

014A Ŋ LATIN CAPITAL LETTER ENG  
 • glyph may also have appearance of large form of the small letter

014B ŋ LATIN SMALL LETTER ENG  
 = engma, angma  
 • Sami, Mende, IPA, ...

014C Ō LATIN CAPITAL LETTER O WITH MACRON  
 ≡ 004F O 0304 ̄

014D ō LATIN SMALL LETTER O WITH MACRON  
 • Latvian, Latin, ...  
 ≡ 006F o 0304 ̄

014E Ŏ LATIN CAPITAL LETTER O WITH BREVE  
 ≡ 004F O 0306 ̆

014F ǒ LATIN SMALL LETTER O WITH BREVE  
 • Latin  
 ≡ 006F o 0306 ̆

0150 Ő LATIN CAPITAL LETTER O WITH DOUBLE ACUTE  
 ≡ 004F O 030B ̈́

0151 ő LATIN SMALL LETTER O WITH DOUBLE ACUTE  
 • Hungarian  
 ≡ 006F o 030B ̈́

0152 Œ LATIN CAPITAL LIGATURE OE

0153	œ	LATIN SMALL LIGATURE OE = ethel (from Old English eðel) • French, IPA, Old Icelandic, Old English, ... → 00E6 æ latin small letter ae → 0276 œ latin letter small capital oe	0168	Ũ	LATIN CAPITAL LETTER U WITH TILDE ≡ 0055 U 0303 ǔ
0154	Ř	LATIN CAPITAL LETTER R WITH ACUTE ≡ 0052 R 0301 ǎ	0169	ũ	LATIN SMALL LETTER U WITH TILDE • Greenlandic (old orthography) ≡ 0075 u 0303 ǔ
0155	ř	LATIN SMALL LETTER R WITH ACUTE • Slovak, ... ≡ 0072 r 0301 ǎ	016A	Ū	LATIN CAPITAL LETTER U WITH MACRON ≡ 0055 U 0304 ū
0156	Ŕ	LATIN CAPITAL LETTER R WITH CEDILLA ≡ 0052 R 0327 ƚ	016B	ū	LATIN SMALL LETTER U WITH MACRON • Latvian, Lithuanian, Latin, ... ≡ 0075 u 0304 ū
0157	ŗ	LATIN SMALL LETTER R WITH CEDILLA • Livonian ≡ 0072 r 0327 ƚ	016C	Ů	LATIN CAPITAL LETTER U WITH BREVE ≡ 0055 U 0306 ů
0158	Ṛ̌	LATIN CAPITAL LETTER R WITH CARON ≡ 0052 R 030C ǚ	016D	ů	LATIN SMALL LETTER U WITH BREVE • Latin, Esperanto, ... ≡ 0075 u 0306 ů
0159	ṛ̌	LATIN SMALL LETTER R WITH CARON • Czech, ... ≡ 0072 r 030C ǚ	016E	Ů̇	LATIN CAPITAL LETTER U WITH RING ABOVE ≡ 0055 U 030A ű
015A	Ś	LATIN CAPITAL LETTER S WITH ACUTE ≡ 0053 S 0301 ǟ	016F	ű	LATIN SMALL LETTER U WITH RING ABOVE • Czech, ... ≡ 0075 u 030A ű
015B	ś	LATIN SMALL LETTER S WITH ACUTE • Polish, Indic transliteration, ... ≡ 0073 s 0301 ǟ	0170	Ű	LATIN CAPITAL LETTER U WITH DOUBLE ACUTE ≡ 0055 U 030B ű̇
015C	Ŝ	LATIN CAPITAL LETTER S WITH CIRCUMFLEX ≡ 0053 S 0302 ǟ̂	0171	ű̇	LATIN SMALL LETTER U WITH DOUBLE ACUTE • Hungarian ≡ 0075 u 030B ű̇
015D	ŝ	LATIN SMALL LETTER S WITH CIRCUMFLEX • Esperanto ≡ 0073 s 0302 ǟ̂	0172	Ų	LATIN CAPITAL LETTER U WITH OGONEK ≡ 0055 U 0328 ų
015E	Ș	LATIN CAPITAL LETTER S WITH CEDILLA ≡ 0053 S 0327 ƚ	0173	ų	LATIN SMALL LETTER U WITH OGONEK • Lithuanian ≡ 0075 u 0328 ų
015F	ș	LATIN SMALL LETTER S WITH CEDILLA • Turkish, Azerbaijani, ... • the character Q219 ș is preferred for Romanian → 0219 ș latin small letter s with comma below ≡ 0073 s 0327 ƚ	0174	Ŵ	LATIN CAPITAL LETTER W WITH CIRCUMFLEX ≡ 0057 W 0302 ǟ̂
0160	Š	LATIN CAPITAL LETTER S WITH CARON ≡ 0053 S 030C ǟ̂	0175	ŵ	LATIN SMALL LETTER W WITH CIRCUMFLEX • Welsh ≡ 0077 w 0302 ǟ̂
0161	š	LATIN SMALL LETTER S WITH CARON • Czech, Estonian, Finnish, Slovak, and many other languages ≡ 0073 s 030C ǟ̂	0176	Ŷ	LATIN CAPITAL LETTER Y WITH CIRCUMFLEX ≡ 0059 Y 0302 ǟ̂
0162	Ț	LATIN CAPITAL LETTER T WITH CEDILLA ≡ 0054 T 0327 ƚ	0177	ŷ	LATIN SMALL LETTER Y WITH CIRCUMFLEX • Welsh ≡ 0079 y 0302 ǟ̂
0163	ț	LATIN SMALL LETTER T WITH CEDILLA • Semitic transliteration, ... • the character Q21B ț is preferred for Romanian → 021B ț latin small letter t with comma below ≡ 0074 t 0327 ƚ	0178	ÿ	LATIN CAPITAL LETTER Y WITH DIAERESIS • French, Igbo → 00FF ÿ latin small letter y with diaeresis ≡ 0059 Y 0308 ȳ
0164	Ț̣	LATIN CAPITAL LETTER T WITH CARON • the form using caron/hacek is preferred in all contexts ≡ 0054 T 030C ǟ̂	0179	Ž	LATIN CAPITAL LETTER Z WITH ACUTE ≡ 005A Z 0301 ǟ̂
0165	ť	LATIN SMALL LETTER T WITH CARON • Czech, Slovak • the form using apostrophe is preferred in typesetting ≡ 0074 t 030C ǟ̂	017A	ž	LATIN SMALL LETTER Z WITH ACUTE • Polish, ... ≡ 007A z 0301 ǟ̂
0166	Ƨ	LATIN CAPITAL LETTER T WITH STROKE	017B	Ž̇	LATIN CAPITAL LETTER Z WITH DOT ABOVE ≡ 005A Z 0307 ǟ̇
0167	Ƨ̇	LATIN SMALL LETTER T WITH STROKE • Sami	017C	ž̇	LATIN SMALL LETTER Z WITH DOT ABOVE • Polish, ... ≡ 007A z 0307 ǟ̇
			017D	Ẓ̌	LATIN CAPITAL LETTER Z WITH CARON ≡ 005A Z 030C ǟ̂
			017E	ẓ̌	LATIN SMALL LETTER Z WITH CARON • Czech, Estonian, Finnish, Slovak, Slovenian, and many other languages ≡ 007A z 030C ǟ̂

- 017F f LATIN SMALL LETTER LONG S
- in common use in Roman types until the 18th century
  - in current use in Fraktur and Gaelic types
- ≈ 0073 s latin small letter s



	018	019	01A	01B	01C	01D	01E	01F	020	021	022	023	024
0	Ḕ 0180	Ɛ 0190	Ɔ 01A0	Ʊ 01B0	ǀ 01C0	ǃ 01D0	Ā 01E0	ǰ 01F0	À 0200	Ř 0210	ŋ 0220	Ō 0230	Ʒ 0240
1	Ḃ 0181	Ƒ 0191	σ 01A1	Ʈ 01B1	ǁ 01C1	Ǫ 01D1	ā 01E1	DZ 01F1	à 0201	ř 0211	ɖ 0221	ō 0231	Ʒ 0241
2	Ḃ 0182	ƒ 0192	Ϣ 01A2	Ʈ 01B2	‡ 01C2	ǫ 01D2	Ā 01E2	Dz 01F2	Â 0202	Ŕ 0212	8 0222	Ȳ 0232	ɔ 0242
3	Ḕ 0183	Ƒ 0193	ϣ 01A3	Ƴ 01B3	ǃ 01C3	Ǫ 01D3	ǣ 01E3	dz 01F3	â 0203	ŕ 0213	8 0223	ȳ 0233	Ḃ 0243
4	Ḕ 0184	Ƴ 0194	Ƴ 01A4	Ƴ 01B4	DŽ 01C4	ǰ 01D4	Ǧ 01E4	Ǧ 01F4	È 0204	Û 0214	Ʒ 0224	ł 0234	Ḕ 0244
5	Ḕ 0185	hu 0195	β 01A5	Ʒ 01B5	Dž 01C5	Ū 01D5	ǧ 01E5	ǧ 01F5	è 0205	ù 0215	Ʒ 0225	ŋ 0235	Λ 0245
6	Ɔ 0186	ł 0196	Ŕ 01A6	Ʒ 01B6	dž 01C6	ũ 01D6	Ǧ 01E6	Ḕ 01F6	Ê 0206	Û 0216	À 0226	ł 0236	Ḕ 0246
7	Ɔ 0187	Ɔ 0197	Ʒ 01A7	Ʒ 01B7	LJ 01C7	Ū 01D7	ǧ 01E7	Ɔ 01F7	ê 0207	û 0217	à 0227	Ɔ 0237	Ɔ 0247
8	Ɔ 0188	Ɔ 0198	Ʒ 01A8	Ʒ 01B8	Lj 01C8	ú 01D8	Ǧ 01E8	Ɔ 01F8	Ë 0208	Û 0218	À 0228	Ɔ 0238	Ɔ 0248
9	Ɔ 0189	Ɔ 0199	Ʒ 01A9	Ʒ 01B9	lj 01C9	Ū 01D9	ǧ 01E9	Ɔ 01F9	ì 0209	ş 0219	Ɔ 0229	Ɔ 0239	Ɔ 0249
A	Ɔ 018A	Ɔ 019A	Ʒ 01AA	Ʒ 01BA	NJ 01CA	ũ 01DA	Ɔ 01EA	À 01FA	Î 020A	Ɔ 021A	Ō 022A	Ɔ 023A	Ɔ 024A
B	Ɔ 018B	Ɔ 019B	Ɔ 01AB	Ɔ 01BB	Nj 01CB	Û 01DB	Ɔ 01EB	á 01FB	î 020B	Ɔ 021B	ō 022B	Ɔ 023B	Ɔ 024B
C	Ɔ 018C	Ɔ 019C	Ɔ 01AC	Ɔ 01BC	nj 01CC	ù 01DC	Ɔ 01EC	É 01FC	Ò 020C	Ɔ 021C	Ō 022C	Ɔ 023C	Ɔ 024C
D	Ɔ 018D	Ɔ 019D	Ɔ 01AD	Ɔ 01BD	Ǻ 01CD	ə 01DD	Ɔ 01ED	é 01FD	ò 020D	Ɔ 021D	ō 022D	Ɔ 023D	Ɔ 024D
E	Ɔ 018E	Ɔ 019E	Ɔ 01AE	Ɔ 01BE	Ǻ 01CE	Ā 01DE	Ǻ 01EE	Ø 01FE	Ô 020E	Ĥ 021E	Ō 022E	Ɔ 023E	Ɔ 024E
F	Ɔ 018F	Ɔ 019F	Ɔ 01AF	Ɔ 01BF	Ǻ 01CF	ā 01DF	Ǻ 01EF	ø 01FF	ô 020F	ĥ 021F	ò 022F	Ɔ 023F	Ɔ 024F

**Non-European and historic Latin**

- 0180 **ɓ** LATIN SMALL LETTER B WITH STROKE  
 • Americanist and Indo-Europeanist usage for phonetic beta  
 • Americanist orthographies use an alternate glyph with the stroke through the bowl  
 • Old Saxon  
 • uppercase is 0243 **B̥**  
 → 03B2 **β** greek small letter beta  
 → 2422 **ḅ** blank symbol
- 0181 **B̥** LATIN CAPITAL LETTER B WITH HOOK  
 • Zulu, Pan-Nigerian alphabet  
 • lowercase is 0253 **ḅ**
- 0182 **Ḃ** LATIN CAPITAL LETTER B WITH TOPBAR
- 0183 **ḃ** LATIN SMALL LETTER B WITH TOPBAR  
 • Zhuang (old orthography)  
 • former Soviet minority language scripts  
 → 0411 **Ḃ** cyrillic capital letter be
- 0184 **Ḅ** LATIN CAPITAL LETTER TONE SIX
- 0185 **ḅ** LATIN SMALL LETTER TONE SIX  
 • Zhuang (old orthography)  
 • Zhuang tone three is Cyrillic ze  
 • Zhuang tone four is Cyrillic che  
 → 01A8 **ɓ** latin small letter tone two  
 → 01BD **ɕ** latin small letter tone five  
 → 0437 **ɓ** cyrillic small letter ze  
 → 0447 **ɕ** cyrillic small letter che  
 → 044C **ḅ** cyrillic small letter soft sign
- 0186 **Ɔ** LATIN CAPITAL LETTER OPEN O  
 • typographically a turned C  
 • African  
 • lowercase is 0254 **ɔ**
- 0187 **Ɔ̣** LATIN CAPITAL LETTER C WITH HOOK
- 0188 **ɔ̣** LATIN SMALL LETTER C WITH HOOK  
 • African
- 0189 **Ɖ** LATIN CAPITAL LETTER AFRICAN D  
 • Ewe  
 • lowercase is 0256 **ɖ**  
 → 00D0 **Ɖ** latin capital letter eth  
 → 0110 **Ɖ** latin capital letter d with stroke
- 018A **Ɗ** LATIN CAPITAL LETTER D WITH HOOK  
 • Pan-Nigerian alphabet  
 • lowercase is 0257 **ɗ**
- 018B **Ḍ** LATIN CAPITAL LETTER D WITH TOPBAR
- 018C **ḍ** LATIN SMALL LETTER D WITH TOPBAR  
 • former-Soviet minority language scripts  
 • Zhuang (old orthography)
- 018D **Ɔ̣** LATIN SMALL LETTER TURNED DELTA  
 = reversed Polish-hook o  
 • archaic phonetic for labialized alveolar fricative  
 • recommended spellings 007A **ɓ** 02B7 **ʋ** or 007A **ɓ** 032B **ɔ̣**
- 018E **Ǝ** LATIN CAPITAL LETTER REVERSED E  
 = turned e  
 • Pan-Nigerian alphabet  
 • lowercase is 01DD **ə**
- 018F **Ɛ** LATIN CAPITAL LETTER SCHWA  
 • Azerbaijani, ...  
 • lowercase is 0259 **ə**  
 → 04D8 **Ɛ** cyrillic capital letter schwa
- 0190 **Ɛ** LATIN CAPITAL LETTER OPEN E  
 = epsilon  
 • African  
 • lowercase is 025B **ɛ**  
 → 2107 **Ɛ** euler constant
- 0191 **Ƒ** LATIN CAPITAL LETTER F WITH HOOK  
 • African
- 0192 **ƒ** LATIN SMALL LETTER F WITH HOOK  
 = script f  
 = Florin currency symbol (Netherlands)  
 = function symbol  
 • used as abbreviation convention for folder
- 0193 **Ɠ** LATIN CAPITAL LETTER G WITH HOOK  
 • African  
 • lowercase is 0260 **Ɠ̣**
- 0194 **Ɣ** LATIN CAPITAL LETTER GAMMA  
 • African  
 • lowercase is 0263 **Ɣ̣**
- 0195 **ḥ** LATIN SMALL LETTER HV  
 • Gothic transliteration  
 • uppercase is 01F6 **Ḥ**
- 0196 **ɪ** LATIN CAPITAL LETTER IOTA  
 • African  
 • lowercase is 0269 **ɪ**
- 0197 **İ** LATIN CAPITAL LETTER I WITH STROKE  
 = barred i, i bar  
 • African  
 • lowercase is 0268 **ı**  
 • ISO 6438 gives lowercase as 026A **ı**, not 0268 **ı**  
 → 026A **ı** latin letter small capital i
- 0198 **Ƙ** LATIN CAPITAL LETTER K WITH HOOK
- 0199 **ƙ** LATIN SMALL LETTER K WITH HOOK  
 • Hausa, Pan-Nigerian alphabet
- 019A **ɬ** LATIN SMALL LETTER L WITH BAR  
 = barred l  
 • Americanist phonetic usage for 026C **ɬ**  
 • uppercase is 023D **Ƭ**  
 → 0142 **ɬ** latin small letter l with stroke
- 019B **λ̣** LATIN SMALL LETTER LAMBDA WITH STROKE  
 = barred lambda, lambda bar  
 • Americanist phonetic usage
- 019C **Ṳ** LATIN CAPITAL LETTER TURNED M  
 • Zhuang (old orthography)  
 • lowercase is 026F **Ṳ̣**
- 019D **Ɲ** LATIN CAPITAL LETTER N WITH LEFT HOOK  
 • African  
 • lowercase is 0272 **ɲ**
- 019E **ɳ** LATIN SMALL LETTER N WITH LONG RIGHT LEG  
 • archaic phonetic for Japanese 3093 **ɳ**  
 • recommended spelling for syllabic n is 006E **ɳ** 0329 **ɳ̣**  
 • Lakota (indicates nasalization of vowel)  
 • uppercase is 0220 **Ṻ**
- 019F **Ɔ̣̄** LATIN CAPITAL LETTER O WITH MIDDLE TILDE  
 = barred o, o bar  
 • lowercase is 0275 **ø**  
 • African  
 → 04E8 **Ɔ̣̄** cyrillic capital letter barred o
- 01A0 **Ɔ̣̄̂** LATIN CAPITAL LETTER O WITH HORN  
 ≡ 004F **Ɔ̣̄̂** 031B **Ɔ̣̄̂̂**
- 01A1 **Ɔ̣̄̂̂** LATIN SMALL LETTER O WITH HORN  
 • Vietnamese  
 ≡ 006F **o** 031B **ộ̣̂̂**

01A2	Œ	LATIN CAPITAL LETTER OI × LATIN CAPITAL LETTER GHA	01B6	z̄	LATIN SMALL LETTER Z WITH STROKE = barred z, z bar • Pan-Turkic Latin orthography • handwritten variant of Latin “z” → 007A z latin small letter z
01A3	œ	LATIN SMALL LETTER OI × LATIN SMALL LETTER GHA • Pan-Turkic Latin alphabets	01B7	Ʒ	LATIN CAPITAL LETTER EZH • African, Skolt Sami • lowercase is 0292 Ʒ → 021C Ʒ latin capital letter yogh → 04E0 Ʒ cyrillic capital letter abkhasian dze
01A4	Ɔ	LATIN CAPITAL LETTER P WITH HOOK	01B8	Ʒ̄	LATIN CAPITAL LETTER EZH REVERSED
01A5	ɸ	LATIN SMALL LETTER P WITH HOOK • African	01B9	Ʒ̅	LATIN SMALL LETTER EZH REVERSED • archaic phonetic for voiced pharyngeal fricative • sometimes typographically rendered with a turned digit 3 • recommended spelling 0295 Ʒ̅ → 0295 Ʒ̅ latin letter pharyngeal voiced fricative → 0639 Ʒ̅ arabic letter ain
01A6	ŕ	LATIN LETTER YR • Old Norse • from German Standard DIN 31624 and ISO 5426-2 • lowercase is 0280 r	01BA	ɹ	LATIN SMALL LETTER EZH WITH TAIL • archaic phonetic for labialized voiced palatoalveolar or palatal fricative • Twi • recommended spellings 0292 ɹ 02B7 <sup>w</sup> or 006A j 02B7 <sup>w</sup>
01A7	ɶ	LATIN CAPITAL LETTER TONE TWO	01BB	ɹ̄	LATIN LETTER TWO WITH STROKE • archaic phonetic for [dz] affricate • recommended spellings 0292 ɹ̄ or 0064 d 007A z
01A8	ɷ	LATIN SMALL LETTER TONE TWO • Zhuang (old orthography) • typographically a reversed S → 0185 ɸ latin small letter tone six	01BC	Ɔ	LATIN CAPITAL LETTER TONE FIVE
01A9	Σ	LATIN CAPITAL LETTER ESH • African • lowercase is 0283 ƒ → 03A3 Σ greek capital letter sigma	01BD	ɷ	LATIN SMALL LETTER TONE FIVE • Zhuang (old orthography) → 0185 ɸ latin small letter tone six
01AA	ɸ	LATIN LETTER REVERSED ESH LOOP • archaic phonetic for labialized palatoalveolar or palatal fricative • Twi • recommended spellings 0283 ƒ 02B7 <sup>w</sup> , 00E7 ɸ 02B7 <sup>w</sup> , 0068 h 0265 ɸ, etc.	01BE	ɸ̄	LATIN LETTER INVERTED GLOTTAL STOP WITH STROKE • archaic phonetic for [ts] affricate • recommended spelling 0074 t 0073 s • letter form is actually derived from ligation of ts, rather than inverted glottal stop
01AB	ɸ̄	LATIN SMALL LETTER T WITH PALATAL HOOK • archaic phonetic for palatalized alveolar or dental stop • recommended spelling 0074 t 02B2 j	01BF	Ƶ	LATIN LETTER WYNN = wen • Runic letter borrowed into Latin script • replaced by “w” in modern transcriptions of Old English • uppercase is 01F7 Ƶ → 16B9 Ƶ runic letter wunjo wynn w
01AC	Ɔ	LATIN CAPITAL LETTER T WITH HOOK • a glyph variant with hook at the right also occurs			
01AD	ɸ	LATIN SMALL LETTER T WITH HOOK • African			
01AE	Ɔ̄	LATIN CAPITAL LETTER T WITH RETROFLEX HOOK • African • lowercase is 0288 Ɔ̄			
01AF	Ʊ	LATIN CAPITAL LETTER U WITH HORN ≡ 0055 U 031B Ʊ			
01B0	ɹ̄	LATIN SMALL LETTER U WITH HORN • Vietnamese ≡ 0075 u 031B Ʊ			
01B1	Ϝ	LATIN CAPITAL LETTER UPSILON • African • typographically based on turned capital Greek omega • lowercase is 028A Ϝ → 2127 Ϝ inverted ohm sign			
01B2	Ϥ	LATIN CAPITAL LETTER V WITH HOOK = script v • African • lowercase is 028B Ϥ			
01B3	ƶ	LATIN CAPITAL LETTER Y WITH HOOK • a glyph variant with hook at the left also occurs			
01B4	Ʒ	LATIN SMALL LETTER Y WITH HOOK • Bini, Esoko, and other Edo languages in West Africa			
01B5	Ʒ̄	LATIN CAPITAL LETTER Z WITH STROKE			

#### African letters for clicks

01C0		LATIN LETTER DENTAL CLICK = pipe • Khoisan tradition • “c” in Zulu orthography → 002F / solidus → 007C   vertical line → 0287 ǀ latin small letter turned t → 2223   divides
01C1		LATIN LETTER LATERAL CLICK = double pipe • Khoisan tradition • “x” in Zulu orthography → 0296 ǁ latin letter inverted glottal stop → 2225    parallel to

01C2	‡	LATIN LETTER ALVEOLAR CLICK = double-barred pipe = palatoalveolar click (IPA) • Khoisan tradition → 2260 ≠ not equal to
01C3	!	LATIN LETTER RETROFLEX CLICK = latin letter exclamation mark (1.0) = (post)alveolar click (IPA) • Khoisan tradition • “q” in Zulu orthography → 0021 ! exclamation mark → 0297 ċ latin letter stretched c
<b>Croatian digraphs matching Serbian Cyrillic letters</b>		
01C4	DŽ	LATIN CAPITAL LETTER DZ WITH CARON ≈ 0044 Ḋ 017D Ž
01C5	Dž	LATIN CAPITAL LETTER D WITH SMALL LETTER Z WITH CARON ≈ 0044 Ḋ 017E ž
01C6	dž	LATIN SMALL LETTER DZ WITH CARON → 045F ђ cyrillic small letter dzhe ≈ 0064 ḋ 017E ž
01C7	LJ	LATIN CAPITAL LETTER LJ ≈ 004C L̇ 004A J
01C8	Lj	LATIN CAPITAL LETTER L WITH SMALL LETTER J ≈ 004C L̇ 006A j
01C9	lj	LATIN SMALL LETTER LJ → 0459 љ cyrillic small letter lje ≈ 006C l̇ 006A j
01CA	NJ	LATIN CAPITAL LETTER NJ ≈ 004E Ṅ 004A J
01CB	Nj	LATIN CAPITAL LETTER N WITH SMALL LETTER J ≈ 004E Ṅ 006A j
01CC	nj	LATIN SMALL LETTER NJ → 045A њ cyrillic small letter nje ≈ 006E ṅ 006A j

**Pinyin diacritic-vowel combinations**

01CD	Ǻ	LATIN CAPITAL LETTER A WITH CARON ≡ 0041 Ȧ 030C ǻ
01CE	ǻ	LATIN SMALL LETTER A WITH CARON • Pinyin third tone ≡ 0061 ȧ 030C ǿ
01CF	Ǫ	LATIN CAPITAL LETTER I WITH CARON ≡ 0049 İ 030C ǫ
01D0	ǫ	LATIN SMALL LETTER I WITH CARON • Pinyin third tone ≡ 0069 i̇ 030C ǹ
01D1	Ǫ̇	LATIN CAPITAL LETTER O WITH CARON ≡ 004F Ȯ 030C ǽ
01D2	ǽ	LATIN SMALL LETTER O WITH CARON • Pinyin third tone ≡ 006F ȯ 030C ǿ
01D3	Ǫ̇	LATIN CAPITAL LETTER U WITH CARON ≡ 0055 U̇ 030C ǽ
01D4	ǽ	LATIN SMALL LETTER U WITH CARON • Pinyin third tone ≡ 0075 u̇ 030C ǿ
01D5	Ǫ̈	LATIN CAPITAL LETTER U WITH DIAERESIS AND MACRON ≡ 00DC Ṻ 0304 ǿ

01D6	ṻ	LATIN SMALL LETTER U WITH DIAERESIS AND MACRON • Pinyin first tone ≡ 00FC ü̈ 0304 ǿ
01D7	Ū̇	LATIN CAPITAL LETTER U WITH DIAERESIS AND ACUTE ≡ 00DC Ū̇ 0301 ǿ
01D8	ú̇	LATIN SMALL LETTER U WITH DIAERESIS AND ACUTE • Pinyin second tone ≡ 00FC ü̇ 0301 ǿ
01D9	Ṻ	LATIN CAPITAL LETTER U WITH DIAERESIS AND CARON ≡ 00DC Ṻ 030C ǿ
01DA	ű̈	LATIN SMALL LETTER U WITH DIAERESIS AND CARON • Pinyin third tone ≡ 00FC ü̈ 030C ǿ
01DB	Ṻ	LATIN CAPITAL LETTER U WITH DIAERESIS AND GRAVE ≡ 00DC Ṻ 0300 ǿ
01DC	ű̈	LATIN SMALL LETTER U WITH DIAERESIS AND GRAVE • Pinyin fourth tone ≡ 00FC ü̈ 0300 ǿ

**Phonetic and historic letters**

01DD	ə̇	LATIN SMALL LETTER TURNED E • Pan-Nigerian alphabet • all other usages of schwa are 0259 ə̇ • uppercase is 018E Ǝ → 0259 ə̇ latin small letter schwa
01DE	Ā̈	LATIN CAPITAL LETTER A WITH DIAERESIS AND MACRON ≡ 00C4 Ä̈ 0304 ǿ
01DF	ā̈	LATIN SMALL LETTER A WITH DIAERESIS AND MACRON • Livonian, Uralicist usage ≡ 00E4 ä̈ 0304 ǿ
01E0	Ā̇	LATIN CAPITAL LETTER A WITH DOT ABOVE AND MACRON ≡ 0226 Ā̇ 0304 ǿ
01E1	ā̇	LATIN SMALL LETTER A WITH DOT ABOVE AND MACRON • Uralicist usage ≡ 0227 ā̇ 0304 ǿ
01E2	Æ̈	LATIN CAPITAL LETTER AE WITH MACRON ≡ 00C6 Æ̈ 0304 ǿ
01E3	æ̈	LATIN SMALL LETTER AE WITH MACRON • Old Norse, Old English ≡ 00E6 æ̈ 0304 ǿ
01E4	Ġ	LATIN CAPITAL LETTER G WITH STROKE
01E5	ġ	LATIN SMALL LETTER G WITH STROKE • Skolt Sami
01E6	Ġ̇	LATIN CAPITAL LETTER G WITH CARON ≡ 0047 Ġ̇ 030C ǿ
01E7	ġ̇	LATIN SMALL LETTER G WITH CARON • Skolt Sami → 011F ġ̇ latin small letter g with breve ≡ 0067 ġ̇ 030C ǿ
01E8	Ķ	LATIN CAPITAL LETTER K WITH CARON ≡ 004B Ķ 030C ǿ

01E9	ķ	LATIN SMALL LETTER K WITH CARON • Skolt Sami ≡ 006B k 030C ǫ
01EA	Ų	LATIN CAPITAL LETTER O WITH OGONEK ≡ 004F O 0328 ǫ
01EB	Ɔ	LATIN SMALL LETTER O WITH OGONEK • Sami, Iroquoian, Old Icelandic ≡ 006F o 0328 ǫ
01EC	Ų̄	LATIN CAPITAL LETTER O WITH OGONEK AND MACRON ≡ 01EA Ų 0304 ̄
01ED	Ɔ̄	LATIN SMALL LETTER O WITH OGONEK AND MACRON • Old Icelandic ≡ 01EB Ɔ 0304 ̄
01EE	Ž	LATIN CAPITAL LETTER EZH WITH CARON ≡ 01B7 Ž 030C ǫ
01EF	ž	LATIN SMALL LETTER EZH WITH CARON • Skolt Sami ≡ 0292 ž 030C ǫ
01F0	ĵ	LATIN SMALL LETTER J WITH CARON • IPA and many languages ≡ 006A j 030C ǫ
01F1	DZ	LATIN CAPITAL LETTER DZ ≈ 0044 D 005A Z
01F2	Dz	LATIN CAPITAL LETTER D WITH SMALL LETTER Z ≈ 0044 D 007A z
01F3	dz	LATIN SMALL LETTER DZ ≈ 0064 d 007A z
01F4	Ĝ	LATIN CAPITAL LETTER G WITH ACUTE ≡ 0047 G 0301 ́
01F5	ĝ	LATIN SMALL LETTER G WITH ACUTE • Macedonian and Serbian transliteration ≡ 0067 g 0301 ́
01F6	Hu	LATIN CAPITAL LETTER HWAIR • lowercase is 0195 hu
01F7	Ɔ	LATIN CAPITAL LETTER WYNN = wen • lowercase is 01BF p
01F8	Ñ	LATIN CAPITAL LETTER N WITH GRAVE ≡ 004E N 0300 ̀
01F9	ñ	LATIN SMALL LETTER N WITH GRAVE • Pinyin ≡ 006E n 0300 ̀
01FA	Á	LATIN CAPITAL LETTER A WITH RING ABOVE AND ACUTE ≡ 00C5 Á 0301 ́
01FB	á	LATIN SMALL LETTER A WITH RING ABOVE AND ACUTE ≡ 00E5 á 0301 ́
01FC	Æ	LATIN CAPITAL LETTER AE WITH ACUTE ≡ 00C6 Æ 0301 ́
01FD	æ	LATIN SMALL LETTER AE WITH ACUTE ≡ 00E6 æ 0301 ́
01FE	Œ	LATIN CAPITAL LETTER O WITH STROKE AND ACUTE ≡ 00D8 Ø 0301 ́
01FF	œ	LATIN SMALL LETTER O WITH STROKE AND ACUTE ≡ 00F8 ø 0301 ́

**Additions for Slovenian and Croatian**

0200	À	LATIN CAPITAL LETTER A WITH DOUBLE GRAVE ≡ 0041 A 030F ͂
0201	à	LATIN SMALL LETTER A WITH DOUBLE GRAVE ≡ 0061 a 030F ͂
0202	Â	LATIN CAPITAL LETTER A WITH INVERTED BREVE ≡ 0041 A 0311 ̂
0203	â	LATIN SMALL LETTER A WITH INVERTED BREVE ≡ 0061 a 0311 ̂
0204	È	LATIN CAPITAL LETTER E WITH DOUBLE GRAVE ≡ 0045 E 030F ͂
0205	è	LATIN SMALL LETTER E WITH DOUBLE GRAVE ≡ 0065 e 030F ͂
0206	Ê	LATIN CAPITAL LETTER E WITH INVERTED BREVE ≡ 0045 E 0311 ̂
0207	ê	LATIN SMALL LETTER E WITH INVERTED BREVE ≡ 0065 e 0311 ̂
0208	Ï	LATIN CAPITAL LETTER I WITH DOUBLE GRAVE ≡ 0049 I 030F ͂
0209	ï	LATIN SMALL LETTER I WITH DOUBLE GRAVE ≡ 0069 i 030F ͂
020A	Î	LATIN CAPITAL LETTER I WITH INVERTED BREVE ≡ 0049 I 0311 ̂
020B	î	LATIN SMALL LETTER I WITH INVERTED BREVE ≡ 0069 i 0311 ̂
020C	Ò	LATIN CAPITAL LETTER O WITH DOUBLE GRAVE ≡ 004F O 030F ͂
020D	ò	LATIN SMALL LETTER O WITH DOUBLE GRAVE ≡ 006F o 030F ͂
020E	Ô	LATIN CAPITAL LETTER O WITH INVERTED BREVE ≡ 004F O 0311 ̂
020F	ô	LATIN SMALL LETTER O WITH INVERTED BREVE ≡ 006F o 0311 ̂
0210	Ř	LATIN CAPITAL LETTER R WITH DOUBLE GRAVE ≡ 0052 R 030F ͂
0211	ř	LATIN SMALL LETTER R WITH DOUBLE GRAVE ≡ 0072 r 030F ͂
0212	Ř̂	LATIN CAPITAL LETTER R WITH INVERTED BREVE ≡ 0052 R 0311 ̂
0213	ř̂	LATIN SMALL LETTER R WITH INVERTED BREVE ≡ 0072 r 0311 ̂
0214	Û	LATIN CAPITAL LETTER U WITH DOUBLE GRAVE ≡ 0055 U 030F ͂
0215	û	LATIN SMALL LETTER U WITH DOUBLE GRAVE ≡ 0075 u 030F ͂
0216	Û̂	LATIN CAPITAL LETTER U WITH INVERTED BREVE ≡ 0055 U 0311 ̂
0217	û̂	LATIN SMALL LETTER U WITH INVERTED BREVE ≡ 0075 u 0311 ̂

**Additions for Romanian**

0218	Ș	LATIN CAPITAL LETTER S WITH COMMA BELOW ≡ 0053 S 0326 ̣
0219	ș	LATIN SMALL LETTER S WITH COMMA BELOW • Romanian → 015F ș latin small letter s with cedilla ≡ 0073 s 0326 ̣

- 021A Ț LATIN CAPITAL LETTER T WITH COMMA BELOW  
≡ 0054 Ț 0326 Ț
- 021B ț LATIN SMALL LETTER T WITH COMMA BELOW  
• Romanian  
→ 0163 ț latin small letter t with cedilla  
≡ 0074 ț 0326 Ț

**Miscellaneous additions**

- 021C Ȝ LATIN CAPITAL LETTER YOGH  
→ 01B7 Ȝ latin capital letter ezh
- 021D ȝ LATIN SMALL LETTER YOGH  
• Middle English, Scots  
→ 0292 ȝ latin small letter ezh  
→ 1D79 ȝ latin small letter insular g  
→ 2125 ȝ ounce sign
- 021E Ĥ LATIN CAPITAL LETTER H WITH CARON  
≡ 0048 Ĥ 030C Ĥ
- 021F ĥ LATIN SMALL LETTER H WITH CARON  
• Finnish Romany  
≡ 0068 ĥ 030C Ĥ
- 0220 Ŋ LATIN CAPITAL LETTER N WITH LONG RIGHT LEG  
• Lakota  
• lowercase is 019E ŋ
- 0221 ɖ LATIN SMALL LETTER D WITH CURL  
• phonetic use in Sinology
- 0222 ɗ LATIN CAPITAL LETTER OU
- 0223 ɛ LATIN SMALL LETTER OU  
• Algonquin, Huron  
→ 0038 ɛ digit eight
- 0224 Ẑ LATIN CAPITAL LETTER Z WITH HOOK
- 0225 ẑ LATIN SMALL LETTER Z WITH HOOK  
• Middle High German
- 0226 Ȧ LATIN CAPITAL LETTER A WITH DOT ABOVE  
≡ 0041 Ȧ 0307 Ȧ
- 0227 ȧ LATIN SMALL LETTER A WITH DOT ABOVE  
• Uralicist usage  
≡ 0061 ȧ 0307 Ȧ
- 0228 Ɛ̇ LATIN CAPITAL LETTER E WITH CEDILLA  
≡ 0045 Ɛ̇ 0327 Ɛ̇
- 0229 ɛ̇ LATIN SMALL LETTER E WITH CEDILLA  
≡ 0065 ɛ̇ 0327 Ɛ̇

**Additions for Livonian**

- 022A Ȫ LATIN CAPITAL LETTER O WITH DIAERESIS AND MACRON  
≡ 00D6 Ȫ 0304 Ȫ
- 022B ȫ LATIN SMALL LETTER O WITH DIAERESIS AND MACRON  
≡ 00F6 ȫ 0304 Ȫ
- 022C Ȭ LATIN CAPITAL LETTER O WITH TILDE AND MACRON  
≡ 00D5 Ȭ 0304 Ȫ
- 022D ȭ LATIN SMALL LETTER O WITH TILDE AND MACRON  
≡ 00F5 ȭ 0304 Ȫ
- 022E Ȯ LATIN CAPITAL LETTER O WITH DOT ABOVE  
≡ 004F Ȯ 0307 Ȯ
- 022F ȯ LATIN SMALL LETTER O WITH DOT ABOVE  
≡ 006F ȯ 0307 Ȯ
- 0230 Ȱ LATIN CAPITAL LETTER O WITH DOT ABOVE AND MACRON  
≡ 022E Ȱ 0304 Ȫ

- 0231 ȱ LATIN SMALL LETTER O WITH DOT ABOVE AND MACRON  
≡ 022F ȱ 0304 Ȫ
- 0232 Ȳ LATIN CAPITAL LETTER Y WITH MACRON  
≡ 0059 Ȳ 0304 Ȫ
- 0233 ȳ LATIN SMALL LETTER Y WITH MACRON  
• also Cornish  
≡ 0079 ȳ 0304 Ȫ

**Additions for Sinology**

- 0234 ɀ LATIN SMALL LETTER L WITH CURL
- 0235 Ɂ LATIN SMALL LETTER N WITH CURL
- 0236 ɂ LATIN SMALL LETTER T WITH CURL

**Miscellaneous additions**

- 0237 ȶ LATIN SMALL LETTER DOTLESS J  
→ 1D6A5 ȶ mathematical italic small dotless j
- 0238 Ʉb LATIN SMALL LETTER DB DIGRAPH  
• used in Africanist linguistics
- 0239 Ʉp LATIN SMALL LETTER QP DIGRAPH  
• used in Africanist linguistics
- 023A Ȧ LATIN CAPITAL LETTER A WITH STROKE  
• Sencoten  
• lowercase is 2C65 Ȧ
- 023B Ȣ LATIN CAPITAL LETTER C WITH STROKE  
• Sencoten
- 023C ȣ LATIN SMALL LETTER C WITH STROKE  
• used in Americanist linguistics
- 023D Ȥ LATIN CAPITAL LETTER L WITH BAR  
• Sencoten  
• lowercase is 019A Ȥ
- 023E Ȧ LATIN CAPITAL LETTER T WITH DIAGONAL STROKE  
• Sencoten  
• lowercase is 2C66 Ȧ
- 023F Ȧ LATIN SMALL LETTER S WITH SWASH TAIL  
• uppercase is 2C7E Ȧ
- 0240 ȧ LATIN SMALL LETTER Z WITH SWASH TAIL  
• uppercase is 2C7F ȧ
- 0241 Ȩ LATIN CAPITAL LETTER GLOTTAL STOP
- 0242 ȩ LATIN SMALL LETTER GLOTTAL STOP  
• casing use in Chipewyan, Dogrib, Slavey (Canadian aboriginal orthographies)  
→ 0294 Ȩ latin letter glottal stop  
→ 02C0 ȩ modifier letter glottal stop
- 0243 Ȫ LATIN CAPITAL LETTER B WITH STROKE  
• lowercase is 0180 Ȫ
- 0244 ȫ LATIN CAPITAL LETTER U BAR  
• lowercase is 0289 ȫ
- 0245 Ȭ LATIN CAPITAL LETTER TURNED V  
• lowercase is 028C Ȭ
- 0246 ȭ LATIN CAPITAL LETTER E WITH STROKE
- 0247 Ȏ LATIN SMALL LETTER E WITH STROKE
- 0248 ȏ LATIN CAPITAL LETTER J WITH STROKE
- 0249 Ȑ LATIN SMALL LETTER J WITH STROKE
- 024A ȑ LATIN CAPITAL LETTER SMALL Q WITH HOOK TAIL
- 024B Ȓ LATIN SMALL LETTER Q WITH HOOK TAIL
- 024C ȓ LATIN CAPITAL LETTER R WITH STROKE
- 024D Ȕ LATIN SMALL LETTER R WITH STROKE
- 024E ȕ LATIN CAPITAL LETTER Y WITH STROKE
- 024F Ȗ LATIN SMALL LETTER Y WITH STROKE

	025	026	027	028	029	02A
0	ɐ 0250	ɟ 0260	ɥ 0270	ʀ 0280	ʐ 0290	ɸ 02A0
1	ɑ 0251	ɠ 0261	ɱ 0271	ʁ 0281	ʑ 0291	ɹ̥ 02A1
2	ɒ 0252	ɢ 0262	ɲ 0272	ʂ 0282	ʑ̥ 0292	ɸ̥ 02A2
3	ɓ 0253	ɣ 0263	ɳ 0273	ʃ 0283	ʑ̥̥ 0293	ɸ̥̥ 02A3
4	ɔ̥ 0254	ɸ̥ 0264	ɴ 0274	ʃ̥ 0284	ʑ̥̥̥ 0294	ɸ̥̥̥ 02A4
5	ɛ̥ 0255	ɸ̥̥ 0265	ɵ 0275	ɺ 0285	ɸ̥̥̥̥ 0295	ɸ̥̥̥̥ 02A5
6	ɸ̥̥̥ 0256	ɦ̥ 0266	æ̥ 0276	ɸ̥̥̥̥ 0286	ɸ̥̥̥̥̥ 0296	ɸ̥̥̥̥̥ 02A6
7	ɸ̥̥̥̥ 0257	ɦ̥̥ 0267	ω̥ 0277	ɸ̥̥̥̥̥ 0287	ɸ̥̥̥̥̥̥ 0297	ɸ̥̥̥̥̥̥ 02A7
8	ə̥ 0258	ɪ̥ 0268	ϕ̥ 0278	ɸ̥̥̥̥̥̥ 0288	⊙̥ 0298	ɸ̥̥̥̥̥̥̥ 02A8
9	ə̥̥ 0259	ɺ̥ 0269	ɹ̥ 0279	ɸ̥̥̥̥̥̥̥ 0289	ɸ̥̥̥̥̥̥̥̥ 0299	ɸ̥̥̥̥̥̥̥̥ 02A9
A	ɸ̥̥̥̥̥ 025A	ɺ̥̥ 026A	ɹ̥̥ 027A	ɸ̥̥̥̥̥̥̥̥ 028A	ɸ̥̥̥̥̥̥̥̥̥ 029A	ɸ̥̥̥̥̥̥̥̥̥ 02AA
B	ɸ̥̥̥̥̥̥ 025B	ɺ̥̥̥ 026B	ɹ̥̥̥ 027B	ɸ̥̥̥̥̥̥̥̥̥ 028B	ɸ̥̥̥̥̥̥̥̥̥̥ 029B	ɸ̥̥̥̥̥̥̥̥̥̥ 02AB
C	ɸ̥̥̥̥̥̥̥ 025C	ɺ̥̥̥̥ 026C	ɹ̥̥̥̥ 027C	ɸ̥̥̥̥̥̥̥̥̥̥ 028C	ɸ̥̥̥̥̥̥̥̥̥̥̥ 029C	ɸ̥̥̥̥̥̥̥̥̥̥̥ 02AC
D	ɸ̥̥̥̥̥̥̥̥ 025D	ɺ̥̥̥̥̥ 026D	ɹ̥̥̥̥̥ 027D	ɸ̥̥̥̥̥̥̥̥̥̥̥ 028D	ɸ̥̥̥̥̥̥̥̥̥̥̥̥ 029D	ɸ̥̥̥̥̥̥̥̥̥̥̥̥ 02AD
E	ɸ̥̥̥̥̥̥̥̥̥ 025E	ɺ̥̥̥̥̥̥ 026E	ɹ̥̥̥̥̥̥ 027E	ɸ̥̥̥̥̥̥̥̥̥̥̥̥ 028E	ɸ̥̥̥̥̥̥̥̥̥̥̥̥̥ 029E	ɸ̥̥̥̥̥̥̥̥̥̥̥̥̥̥ 02AE
F	ɸ̥̥̥̥̥̥̥̥̥̥ 025F	ɺ̥̥̥̥̥̥̥ 026F	ɹ̥̥̥̥̥̥̥ 027F	ɸ̥̥̥̥̥̥̥̥̥̥̥̥̥̥ 028F	ɸ̥̥̥̥̥̥̥̥̥̥̥̥̥̥̥ 029F	ɸ̥̥̥̥̥̥̥̥̥̥̥̥̥̥̥̥ 02AF

**IPA extensions**

*IPA includes basic Latin letters and a number of Latin or Greek letters from other blocks.*

- 00E6 æ latin small letter ae
- 00E7 ç latin small letter c with cedilla
- 00F0 ð latin small letter eth
- 00F8 ø latin small letter o with stroke
- 0127 ħ latin small letter h with stroke
- 014B ŋ latin small letter eng
- 0153 œ latin small ligature oe
- 03B2 β greek small letter beta
- 03B8 θ greek small letter theta
- 03BB λ greek small letter lamda
- 03C7 χ greek small letter chi
- 0250 ɶ **LATIN SMALL LETTER TURNED A**
  - low central unrounded vowel
  - uppercase is 2C6F **V**
- 0251 α **LATIN SMALL LETTER ALPHA**
  - = latin small letter script a (1.0)
  - low back unrounded vowel
  - uppercase is 2C6D **Α**
  - 03B1 α greek small letter alpha
- 0252 ɒ **LATIN SMALL LETTER TURNED ALPHA**
  - low back rounded vowel
  - uppercase is 2C70 **Ɔ**
- 0253 ɸ **LATIN SMALL LETTER B WITH HOOK**
  - implosive bilabial stop
  - Pan-Nigerian alphabet
  - uppercase is 0181 **Ɓ**
- 0254 ɔ̥ **LATIN SMALL LETTER OPEN O**
  - typographically a turned c
  - lower-mid back rounded vowel
  - uppercase is 0186 **Ɔ**
- 0255 ɕ **LATIN SMALL LETTER C WITH CURL**
  - voiceless alveolo-palatal laminal fricative
  - used in transcription of Mandarin Chinese
  - sound spelled with 015B ś in Polish
- 0256 ɔ̣ **LATIN SMALL LETTER D WITH TAIL**
  - = d retroflex hook
  - voiced retroflex stop
  - uppercase is 0189 **Ɖ**
- 0257 ɖ **LATIN SMALL LETTER D WITH HOOK**
  - implosive dental or alveolar stop
  - Ewe, Pan-Nigerian alphabet
  - uppercase is 018A **Ɗ**
- 0258 ɘ **LATIN SMALL LETTER REVERSED E**
  - upper-mid central unrounded vowel
- 0259 ə **LATIN SMALL LETTER SCHWA**
  - mid-central unrounded vowel
  - uppercase is 018F **Ə**
  - variant uppercase form 018E **Ǝ** is associated with 01DD ə
  - 01DD ə latin small letter turned e
  - 04D9 ə cyrillic small letter schwa
- 025A ɶ̥ **LATIN SMALL LETTER SCHWA WITH HOOK**
  - rhotacized schwa
- 025B ɛ̥ **LATIN SMALL LETTER OPEN E**
  - = epsilon
  - lower-mid front unrounded vowel
  - uppercase is 0190 **Ǝ**
  - 03B5 ε greek small letter epsilon
- 025C ɜ̥ **LATIN SMALL LETTER REVERSED OPEN E**
  - lower-mid central unrounded vowel
- 025D ɶ̥̥ **LATIN SMALL LETTER REVERSED OPEN E WITH HOOK**
  - rhotacized lower-mid central vowel
- 025E ɞ̥ **LATIN SMALL LETTER CLOSED REVERSED OPEN E**
  - = closed reversed epsilon
  - lower-mid central rounded vowel
- 025F ɶ̥̥̥ **LATIN SMALL LETTER DOTLESS J WITH STROKE**
  - voiced palatal stop
  - typographically a turned f, but better thought of as a form of j
  - “gy” in Hungarian orthography
  - also archaic phonetic for palatoalveolar affricate 02A4 ɟʝ
- 0260 ɡ̥ **LATIN SMALL LETTER G WITH HOOK**
  - implosive velar stop
  - uppercase is 0193 **Ɠ**
- 0261 ɡ̥̥ **LATIN SMALL LETTER SCRIPT G**
  - voiced velar stop
  - 0067 ɡ latin small letter g
- 0262 ɢ **LATIN LETTER SMALL CAPITAL G**
  - voiced uvular stop
- 0263 ɣ̥ **LATIN SMALL LETTER GAMMA**
  - voiced velar fricative
  - uppercase is 0194 **Ƴ**
  - 03B3 γ greek small letter gamma
- 0264 ɣ̥̥̥ **LATIN SMALL LETTER RAMS HORN**
  - = latin small letter baby gamma (1.0)
  - upper-mid back unrounded vowel
- 0265 ɥ̥ **LATIN SMALL LETTER TURNED H**
  - voiced rounded palatal approximant
- 0266 ɦ̥ **LATIN SMALL LETTER H WITH HOOK**
  - breathy-voiced glottal fricative
  - 02B1 ɦ̥ modifier letter small h with hook
- 0267 ɦ̥̥̥ **LATIN SMALL LETTER HENG WITH HOOK**
  - voiceless coarticulated velar and palatoalveolar fricative
  - “tj” or “kj” or “sj” in some Swedish dialects
- 0268 ɨ̥̥̥ **LATIN SMALL LETTER I WITH STROKE**
  - = barred i, i bar
  - high central unrounded vowel
  - uppercase is 0197 **Ɔ**
  - ISO 6438 gives lowercase of 0197 as 026A, not 0268
- 0269 ɪ̥ **LATIN SMALL LETTER IOTA**
  - semi-high front unrounded vowel
  - obsoleted by IPA in 1989
  - preferred use is 026A ɪ latin letter small capital i
  - uppercase is 0196 **Ɔ**
  - 03B9 ι greek small letter iota
- 026A ɪ̥̥̥ **LATIN LETTER SMALL CAPITAL I**
  - semi-high front unrounded vowel
  - preferred IPA alternate for 0269 ɪ
  - uppercase is 0197 **Ɔ**
- 026B ɬ̥ **LATIN SMALL LETTER L WITH MIDDLE TILDE**
  - velarized voiced alveolar lateral approximant
  - uppercase is 2C62 **Ɓ**
- 026C ɬ̥̥̥ **LATIN SMALL LETTER L WITH BELT**
  - voiceless alveolar lateral fricative



026D	ɭ	LATIN SMALL LETTER L WITH RETROFLEX HOOK • voiced retroflex lateral	027F	ɀ	LATIN SMALL LETTER REVERSED R WITH FISHHOOK = long leg turned iota (a misnomer) • apical dental vowel • used by linguists working on Chinese and other Sino-Tibetan languages • IPA spelling - 007A z 0329 ɀ • preferred presentation is with a descender
026E	ɮ	LATIN SMALL LETTER LEZH • voiced lateral fricative • “dhl” in Zulu orthography	0280	ʀ	LATIN LETTER SMALL CAPITAL R • voiced uvular trill • Germanic, Old Norse • uppercase is 01A6 ʀ
026F	ɯ	LATIN SMALL LETTER TURNED M • high back unrounded vowel • uppercase is 019C ɯ	0281	ɿ	LATIN LETTER SMALL CAPITAL INVERTED R • voiced uvular fricative or approximant → 02B6 ɿ modifier letter small capital inverted r
0270	ɰ	LATIN SMALL LETTER TURNED M WITH LONG LEG • voiced velar approximant	0282	ɥ	LATIN SMALL LETTER S WITH HOOK • voiceless retroflex fricative
0271	ɱ	LATIN SMALL LETTER M WITH HOOK • voiced labiodental nasal • uppercase is 2C6E ɱ	0283	ʃ	LATIN SMALL LETTER ESH • voiceless postalveolar fricative • uppercase is 01A9 ʃ → 222B ʃ integral
0272	ɲ	LATIN SMALL LETTER N WITH LEFT HOOK • voiced palatal nasal • uppercase is 019D ɲ	0284	ɰ	LATIN SMALL LETTER DOTLESS J WITH STROKE AND HOOK • implosive palatal stop • typographically based on 025F ɰ, not on 0283 ʃ
0273	ɳ	LATIN SMALL LETTER N WITH RETROFLEX HOOK • voiced retroflex nasal	0285	ɶ	LATIN SMALL LETTER SQUAT REVERSED ESH • apical retroflex vowel • used by linguists working on Chinese and other Sino-Tibetan languages • IPA spelling - 0290 z 0329 ɶ • in origin 027F ɀ plus the retroflex hook 0322 ɶ, despite its name • preferred presentation is with a descender
0274	ɺ	LATIN LETTER SMALL CAPITAL N • voiced uvular nasal	0286	ɷ	LATIN SMALL LETTER ESH WITH CURL • palatalized voiceless postalveolar fricative • suggested spelling - 0283 ʃ 02B2 ɷ
0275	ɵ	LATIN SMALL LETTER BARRED O = o bar • rounded mid-central vowel, i.e. rounded schwa • uppercase is 019F ɵ → 03B8 ɵ greek small letter theta → 0473 ɵ cyrillic small letter fita → 04E9 ɵ cyrillic small letter barred o	0287	ɸ	LATIN SMALL LETTER TURNED T • dental click (sound of “tsk tsk”) → 01C0 ɸ latin letter dental click
0276	œ	LATIN LETTER SMALL CAPITAL OE • low front rounded vowel → 0153 œ latin small ligature oe	0288	ɹ	LATIN SMALL LETTER T WITH RETROFLEX HOOK • voiceless retroflex stop • uppercase is 01AE ɹ
0277	ω	LATIN SMALL LETTER CLOSED OMEGA • semi-high back rounded vowel • obsoleted by IPA in 1989 • preferred use is 028A ɹ latin small letter upsilon	0289	ʉ	LATIN SMALL LETTER U BAR • high central rounded vowel • uppercase is 0244 ʉ
0278	φ	LATIN SMALL LETTER PHI • voiceless bilabial fricative → 03C6 φ greek small letter phi	028A	υ	LATIN SMALL LETTER UPSILON • semi-high back rounded vowel • preferred IPA alternate to 0277 ω • uppercase is 01B1 ʉ → 03C5 υ greek small letter upsilon
0279	ɺ	LATIN SMALL LETTER TURNED R • voiced alveolar approximant → 02B4 ɺ modifier letter small turned r	028B	ɿ	LATIN SMALL LETTER V WITH HOOK = latin small letter script v (1.0) • voiced labiodental approximant • uppercase is 01B2 ʉ → 03C5 υ greek small letter upsilon
027A	ɻ	LATIN SMALL LETTER TURNED R WITH LONG LEG • voiced lateral flap			
027B	ɽ	LATIN SMALL LETTER TURNED R WITH HOOK • voiced retroflex approximant → 02B5 ɽ modifier letter small turned r with hook			
027C	ɽ	LATIN SMALL LETTER R WITH LONG LEG • voiced strident apico-alveolar trill • obsoleted by IPA in 1989 • sound spelled with 0159 ř in Czech • preferred phonetic representation for Czech is 0072 r 031D ɽ • in current use in Gaelic types (as glyph variant of 0072 r)			
027D	ɽ	LATIN SMALL LETTER R WITH TAIL • voiced retroflex flap • uppercase is 2C64 ɽ			
027E	ɽ	LATIN SMALL LETTER R WITH FISHHOOK • voiced alveolar flap or tap			

028C	ʌ	LATIN SMALL LETTER TURNED V = caret, wedge • lower-mid back unrounded vowel • uppercase is 0245 Λ → 039B Λ greek capital letter lamda → 2038 ʌ caret → 2227 Λ logical and
028D	ɹ̥	LATIN SMALL LETTER TURNED W • voiceless rounded labiovelar approximant
028E	ɹ	LATIN SMALL LETTER TURNED Y • voiced lateral approximant
028F	ɤ	LATIN LETTER SMALL CAPITAL Y • semi-high front rounded vowel
0290	z̥	LATIN SMALL LETTER Z WITH RETROFLEX HOOK • voiced retroflex fricative
0291	ẓ	LATIN SMALL LETTER Z WITH CURL • voiced alveolo-palatal laminal fricative • sound spelled with 017A Ż in Polish
0292	ʒ	LATIN SMALL LETTER EZH = dram • voiced postalveolar fricative • mistakenly named yogh in Unicode 1.0 • uppercase is 01B7 Ʒ • Skolt Sami → 021D ʒ latin small letter yogh → 04E1 ʒ cyrillic small letter abkhasian dze → 2125 ʒ ounce sign
0293	ʒ̣	LATIN SMALL LETTER EZH WITH CURL • palatalized voiced postalveolar fricative
0294	ʔ	LATIN LETTER GLOTTAL STOP • this is a caseless letter • used in IPA, other phonetic notations, and those orthographies which use a caseless glottal stop → 0241 ʔ latin capital letter glottal stop → 02C0 ʔ modifier letter glottal stop
0295	ʕ	LATIN LETTER PHARYNGEAL VOICED FRICATIVE = reversed glottal stop • voiced pharyngeal fricative • ain → 01B9 ʕ latin small letter ezh reversed → 02C1 ʕ modifier letter reversed glottal stop
0296	ɥ	LATIN LETTER INVERTED GLOTTAL STOP • lateral click → 01C1 ɥ latin letter lateral click
0297	ɕ	LATIN LETTER STRETCHED C • palatal (or alveolar) click → 01C3 ɕ latin letter retroflex click → 2201 ɕ complement
0298	⦿	LATIN LETTER BILABIAL CLICK = bullseye → 2299 ⦿ circled dot operator
0299	ɸ	LATIN LETTER SMALL CAPITAL B • bilabial trill
029A	ɶ	LATIN SMALL LETTER CLOSED OPEN E = closed epsilon • lower-mid front rounded vowel • non-IPA alternate for the preferred 0153 œ
029B	ɕ̥	LATIN LETTER SMALL CAPITAL G WITH HOOK • voiceless uvular implosive
029C	ɸ̥	LATIN LETTER SMALL CAPITAL H • voiceless epiglottal fricative

029D	ɕ̥	LATIN SMALL LETTER J WITH CROSSED-TAIL • voiced palatal fricative
029E	ɕ̥	LATIN SMALL LETTER TURNED K • proposed for velar click • withdrawn by IPA in 1970
029F	ɭ	LATIN LETTER SMALL CAPITAL L • velar lateral approximant
02A0	ɕ̥	LATIN SMALL LETTER Q WITH HOOK • voiceless uvular implosive
02A1	ʔ̥	LATIN LETTER GLOTTAL STOP WITH STROKE • voiced epiglottal stop
02A2	ʕ̥	LATIN LETTER REVERSED GLOTTAL STOP WITH STROKE • voiced epiglottal fricative
02A3	ɕ̥	LATIN SMALL LETTER DZ DIGRAPH • voiced dental affricate
02A4	ɕ̥	LATIN SMALL LETTER DEZH DIGRAPH • voiced postalveolar affricate
02A5	ɕ̥	LATIN SMALL LETTER DZ DIGRAPH WITH CURL • voiced alveolo-palatal affricate
02A6	ɕ̥	LATIN SMALL LETTER TS DIGRAPH • voiceless dental affricate
02A7	ɕ̥	LATIN SMALL LETTER TESH DIGRAPH • voiceless postalveolar affricate
02A8	ɕ̥	LATIN SMALL LETTER TC DIGRAPH WITH CURL • voiceless alveolo-palatal affricate

**IPA characters for disordered speech**

02A9	ɸ̥	LATIN SMALL LETTER FENG DIGRAPH • velopharyngeal fricative
02AA	ɸ̥	LATIN SMALL LETTER LS DIGRAPH • lateral alveolar fricative (lisp)
02AB	ɸ̥	LATIN SMALL LETTER LZ DIGRAPH • voiced lateral alveolar fricative
02AC	ɸ̥	LATIN LETTER BILABIAL PERCUSSIVE • audible lip smack
02AD	ɸ̥	LATIN LETTER BIDENTAL PERCUSSIVE • audible teeth gnashing

**Additions for Sinology**

02AE	ɸ̥	LATIN SMALL LETTER TURNED H WITH FISHHOOK
02AF	ɸ̥	LATIN SMALL LETTER TURNED H WITH FISHHOOK AND TAIL

	02B	02C	02D	02E	02F
0	h 02B0	ʔ 02C0	˘ 02D0	Ÿ 02E0	ˆ 02F0
1	ĥ 02B1	ʕ 02C1	˙ 02D1	ı 02E1	˂ 02F1
2	ĵ 02B2	˃ 02C2	˚ 02D2	ſ 02E2	˄ 02F2
3	ŗ 02B3	˅ 02C3	˛ 02D3	Ɔ 02E3	◦ 02F3
4	Ĳ 02B4	ˆ 02C4	⊥ 02D4	ƒ 02E4	ˆ 02F4
5	Ĵ 02B5	∨ 02C5	⊥ 02D5	⌋ 02E5	ˆ 02F5
6	Ɓ 02B6	ˆ 02C6	⊕ 02D6	⌋ 02E6	ˆ 02F6
7	Ƶ 02B7	˘ 02C7	⊖ 02D7	⌋ 02E7	˜ 02F7
8	Ʒ 02B8	˙ 02C8	˘ 02D8	⌋ 02E8	˙ 02F8
9	ƶ 02B9	⊖ 02C9	˙ 02D9	⌋ 02E9	Ɔ 02F9
A	ˆ 02BA	˘ 02CA	◦ 02DA	⌋ 02EA	ˆ 02FA
B	ˆ 02BB	˘ 02CB	˘ 02DB	⌋ 02EB	⌋ 02FB
C	ˆ 02BC	˘ 02CC	˜ 02DC	˘ 02EC	⌋ 02FC
D	ˆ 02BD	⊖ 02CD	ˆ 02DD	⊖ 02ED	⌋ 02FD
E	˘ 02BE	˘ 02CE	˘ 02DE	ˆ 02EE	⌋ 02FE
F	˘ 02BF	˘ 02CF	⊗ 02DF	˘ 02EF	← 02FF

**Latin superscript modifier letters**

- 02B0 <sup>h</sup> **MODIFIER LETTER SMALL H**  
 • aspiration  
 ≈ <super> 0068 **h**
- 02B1 <sup>fi</sup> **MODIFIER LETTER SMALL H WITH HOOK**  
 • breathy voiced, murmured  
 → 0266 **fi** latin small letter h with hook  
 → 0324 <sup>o</sup> combining diaeresis below  
 ≈ <super> 0266 **fi**
- 02B2 <sup>j</sup> **MODIFIER LETTER SMALL J**  
 • palatalization  
 → 0321 <sup>g</sup> combining palatalized hook below  
 ≈ <super> 006A **j**
- 02B3 <sup>r</sup> **MODIFIER LETTER SMALL R**  
 ≈ <super> 0072 **r**
- 02B4 <sup>ɹ</sup> **MODIFIER LETTER SMALL TURNED R**  
 → 0279 **ɹ** latin small letter turned r  
 ≈ <super> 0279 **ɹ**
- 02B5 <sup>ɹ̣</sup> **MODIFIER LETTER SMALL TURNED R WITH HOOK**  
 → 027B **ɹ̣** latin small letter turned r with hook  
 ≈ <super> 027B **ɹ̣**
- 02B6 <sup>ɾ</sup> **MODIFIER LETTER SMALL CAPITAL INVERTED R**  
 • preceding four used for r-coloring or r-offglides  
 → 0281 **ɾ** latin letter small capital inverted r  
 ≈ <super> 0281 **ɾ**
- 02B7 <sup>w</sup> **MODIFIER LETTER SMALL W**  
 • labialization  
 → 032B <sup>o</sup> combining inverted double arch below  
 ≈ <super> 0077 **w**
- 02B8 <sup>y</sup> **MODIFIER LETTER SMALL Y**  
 • palatalization  
 • common Americanist usage for 02B2<sup>j</sup>  
 ≈ <super> 0079 **y**

**Miscellaneous phonetic modifiers**

- 02B9 <sup>ˈ</sup> **MODIFIER LETTER PRIME**  
 • primary stress, emphasis  
 • transliteration of mjagkij znak (Cyrillic soft sign: palatalization)  
 → 0027 <sup>ˈ</sup> apostrophe  
 → 00B4 <sup>ˈ</sup> acute accent  
 → 02CA <sup>ˈ</sup> modifier letter acute accent  
 → 0301 <sup>ˈ</sup> combining acute accent  
 → 0374 <sup>ˈ</sup> greek numeral sign  
 → 2032 <sup>ˈ</sup> prime
- 02BA <sup>ˈˈ</sup> **MODIFIER LETTER DOUBLE PRIME**  
 • exaggerated stress, contrastive stress  
 • transliteration of tverdyj znak (Cyrillic hard sign: no palatalization)  
 → 0022 <sup>ˈˈ</sup> quotation mark  
 → 030B <sup>ˈˈ</sup> combining double acute accent  
 → 2033 <sup>ˈˈ</sup> double prime
- 02BB <sup>ˆ</sup> **MODIFIER LETTER TURNED COMMA**  
 • typographical alternate for 02BD <sup>ˆ</sup> or 02BF <sup>ˆ</sup>  
 • used in Hawai`ian orthography as `okina (glottal stop)  
 → 0312 <sup>ˆ</sup> combining turned comma above  
 → 07F5 <sup>ˆ</sup> nko low tone apostrophe  
 → 2018 <sup>ˆ</sup> left single quotation mark

- 02BC <sup>ˈ</sup> **MODIFIER LETTER APOSTROPHE**  
 = apostrophe  
 • glottal stop, glottalization, ejective  
 • many languages use this as a letter of their alphabets  
 • used as a tone marker in Bodo, Dogri, and Maithili  
 • 2019 <sup>ˈ</sup> is the preferred character for a punctuation apostrophe  
 → 0027 <sup>ˈ</sup> apostrophe  
 → 0313 <sup>ˆ</sup> combining comma above  
 → 0315 <sup>ˆ</sup> combining comma above right  
 → 055A <sup>ˈ</sup> armenian apostrophe  
 → 07F4 <sup>ˈ</sup> nko high tone apostrophe  
 → 1FBF <sup>ˈ</sup> greek psili  
 → 2019 <sup>ˈ</sup> right single quotation mark
- 02BD <sup>ˆ</sup> **MODIFIER LETTER REVERSED COMMA**  
 • weak aspiration  
 → 0314 <sup>ˆ</sup> combining reversed comma above  
 → 0559 <sup>ˆ</sup> armenian modifier letter left half ring  
 → 1FFE <sup>ˆ</sup> greek dasia  
 → 201B <sup>ˆ</sup> single high-reversed-9 quotation mark
- 02BE <sup>ˈ</sup> **MODIFIER LETTER RIGHT HALF RING**  
 • transliteration of Arabic hamza (glottal stop)  
 → 055A <sup>ˈ</sup> armenian apostrophe  
 → 0621 <sup>ˈ</sup> arabic letter hamza
- 02BF <sup>ˆ</sup> **MODIFIER LETTER LEFT HALF RING**  
 • transliteration of Arabic ain (voiced pharyngeal fricative)  
 → 0559 <sup>ˆ</sup> armenian modifier letter left half ring  
 → 0639 <sup>ˆ</sup> arabic letter ain
- 02C0 <sup>ʔ</sup> **MODIFIER LETTER GLOTTAL STOP**  
 • ejective or glottalized  
 • typographical alternate for 02BC <sup>ˈ</sup> or 02BE <sup>ˈ</sup>  
 → 0294 <sup>ʔ</sup> latin letter glottal stop  
 → 0309 <sup>ˆ</sup> combining hook above
- 02C1 <sup>ˆ</sup> **MODIFIER LETTER REVERSED GLOTTAL STOP**  
 • typographical alternate for 02BF <sup>ˆ</sup>  
 → 0295 <sup>ˆ</sup> latin letter pharyngeal voiced fricative
- 02C2 <sup><</sup> **MODIFIER LETTER LEFT ARROWHEAD**  
 • fronted articulation
- 02C3 <sup>></sup> **MODIFIER LETTER RIGHT ARROWHEAD**  
 • backed articulation
- 02C4 <sup>^</sup> **MODIFIER LETTER UP ARROWHEAD**  
 • raised articulation  
 → 005E <sup>^</sup> circumflex accent  
 → 2303 <sup>^</sup> up arrowhead
- 02C5 <sup>v</sup> **MODIFIER LETTER DOWN ARROWHEAD**  
 • lowered articulation
- 02C6 <sup>^</sup> **MODIFIER LETTER CIRCUMFLEX ACCENT**  
 • rising-falling tone, falling tone, secondary stress, etc.  
 → 005E <sup>^</sup> circumflex accent  
 → 0302 <sup>ˆ</sup> combining circumflex accent  
 → A788 <sup>^</sup> modifier letter low circumflex accent
- 02C7 <sup>˘</sup> **CARON**  
 = hacek  
 • falling-rising tone  
 • Mandarin Chinese third tone  
 → 030C <sup>˘</sup> combining caron

02C8	'	<b>MODIFIER LETTER VERTICAL LINE</b>	02D7	-	<b>MODIFIER LETTER MINUS SIGN</b>
		<ul style="list-style-type: none"> <li>• primary stress, downstep</li> <li>• precedes letter or syllable modified</li> </ul> → 0027 ' apostrophe → 030D ◌ combining vertical line above			<ul style="list-style-type: none"> <li>• retracted or backed articulation</li> <li>• glyph may have small end-serifs</li> </ul> → 0320 ◌ combining minus sign below → 2212 − minus sign
02C9	ˉ	<b>MODIFIER LETTER MACRON</b>	<b>Spacing clones of diacritics</b>		
		<ul style="list-style-type: none"> <li>• high level tone</li> <li>• precedes or follows letter or syllable modified</li> <li>• Mandarin Chinese first tone</li> </ul> → 00AF ˉ macron → 0304 ◌ combining macron	02D8	˘	<b>BREVE</b>
02CA	´	<b>MODIFIER LETTER ACUTE ACCENT</b>			→ 0306 ◌ combining breve
		<ul style="list-style-type: none"> <li>• high-rising tone (IPA), high tone, primary stress</li> <li>• Mandarin Chinese second tone</li> </ul> → 00B4 ´ acute accent → 02B9 ´ modifier letter prime → 0301 ◌ combining acute accent → 0374 ´ greek numeral sign → 055B ´ armenian emphasis mark			≈ 0020 [sp] 0306 ˘
02CB	ˋ	<b>MODIFIER LETTER GRAVE ACCENT</b>	02D9	˙	<b>DOT ABOVE</b>
		<ul style="list-style-type: none"> <li>• high-falling tone (IPA), low tone, secondary or tertiary stress</li> <li>• Mandarin Chinese fourth tone</li> </ul> → 0060 ˋ grave accent → 0300 ◌ combining grave accent → 055D ˋ armenian comma			<ul style="list-style-type: none"> <li>• Mandarin Chinese fifth tone (light or neutral)</li> </ul> → 0307 ◌ combining dot above ≈ 0020 [sp] 0307 ˙
02CC	ˊ	<b>MODIFIER LETTER LOW VERTICAL LINE</b>	02DA	◌ <sup>◦</sup>	<b>RING ABOVE</b>
		<ul style="list-style-type: none"> <li>• secondary stress</li> <li>• precedes letter or syllable modified</li> </ul> → 0329 ◌ combining vertical line below			→ 00B0 ◌ degree sign → 030A ◌ combining ring above ≈ 0020 [sp] 030A ◌
02CD	˘	<b>MODIFIER LETTER LOW MACRON</b>	02DB	˛	<b>OGONEK</b>
		<ul style="list-style-type: none"> <li>• low level tone</li> </ul> → 005F ˘ low line → 0331 ◌ combining macron below			→ 0328 ◌ combining ogonek
02CE	ˋ	<b>MODIFIER LETTER LOW GRAVE ACCENT</b>			≈ 0020 [sp] 0328 ◌
		• low-falling tone	02DC	˜	<b>SMALL TILDE</b>
02CF	ˊ	<b>MODIFIER LETTER LOW ACUTE ACCENT</b>			→ 007E ˜ tilde
		• low-rising tone			→ 0303 ◌ combining tilde
		→ 0375 ˊ greek lower numeral sign			→ 223C ˜ tilde operator
02D0	:	<b>MODIFIER LETTER TRIANGULAR COLON</b>			≈ 0020 [sp] 0303 ˜
		• length mark	02DD	˝	<b>DOUBLE ACUTE ACCENT</b>
		→ 003A : colon			→ 030B ◌ combining double acute accent
02D1	˙	<b>MODIFIER LETTER HALF TRIANGULAR COLON</b>			≈ 0020 [sp] 030B ˝
		• half-length mark	<b>Additions based on 1989 IPA</b>		
		→ 00B7 ˙ middle dot	02DE	˘	<b>MODIFIER LETTER RHOTIC HOOK</b>
02D2	◌ <sup>◦</sup>	<b>MODIFIER LETTER CENTRED RIGHT HALF RING</b>			• rhotacization in vowel
		• more rounded articulation			• often ligated: 025A ɹ̥ = 0259 ɹ + 02DE ˘ ;
02D3	◌ <sup>◦</sup>	<b>MODIFIER LETTER CENTRED LEFT HALF RING</b>			025D ɹ̥ = 025C ɹ + 02DE ˘
		• less rounded articulation	02DF	×	<b>MODIFIER LETTER CROSS ACCENT</b>
02D4	ˆ	<b>MODIFIER LETTER UP TACK</b>			• Swedish grave accent
		• vowel raising or closing	02E0	ʏ	<b>MODIFIER LETTER SMALL GAMMA</b>
		→ 031D ◌ combining up tack below			• these modifier letters are occasionally used in transcription of affricates
		→ 0323 ◌ combining dot below			≈ <sup> 0263 ʏ
02D5	˘	<b>MODIFIER LETTER DOWN TACK</b>	02E1	ɿ	<b>MODIFIER LETTER SMALL L</b>
		• vowel lowering or opening			≈ <sup> 006C ɿ
		→ 031C ◌ combining left half ring below	02E2	ɿ	<b>MODIFIER LETTER SMALL S</b>
		→ 031E ◌ combining down tack below			≈ <sup> 0073 ɿ
02D6	+	<b>MODIFIER LETTER PLUS SIGN</b>	02E3	×	<b>MODIFIER LETTER SMALL X</b>
		• advanced or fronted articulation			≈ <sup> 0078 ×
		→ 031F ◌ combining plus sign below	02E4	◌ <sup>◦</sup>	<b>MODIFIER LETTER SMALL REVERSED GLOTTAL STOP</b>
					≈ <sup> 0295 ◌
			<b>Tone letters</b>		
			02E5	◌ <sup>◦</sup>	<b>MODIFIER LETTER EXTRA-HIGH TONE BAR</b>
			02E6	◌ <sup>◦</sup>	<b>MODIFIER LETTER HIGH TONE BAR</b>
			02E7	◌ <sup>◦</sup>	<b>MODIFIER LETTER MID TONE BAR</b>
			02E8	◌ <sup>◦</sup>	<b>MODIFIER LETTER LOW TONE BAR</b>
			02E9	◌ <sup>◦</sup>	<b>MODIFIER LETTER EXTRA-LOW TONE BAR</b>
			<b>Extended Bopomofo tone marks</b>		
			02EA	◌ <sup>◦</sup>	<b>MODIFIER LETTER YIN DEPARTING TONE MARK</b>
			02EB	◌ <sup>◦</sup>	<b>MODIFIER LETTER YANG DEPARTING TONE MARK</b>
					<b>MARK</b>
			<b>IPA modifiers</b>		
			02EC	◌ <sup>◦</sup>	<b>MODIFIER LETTER VOICING</b>

















































































































02ED = MODIFIER LETTER UNASPIRATED

**Other modifier letter**

02EE ” MODIFIER LETTER DOUBLE APOSTROPHE  
 • Nenets

**UPA modifiers**

02EF ∨ MODIFIER LETTER LOW DOWN ARROWHEAD  
 02F0 ^ MODIFIER LETTER LOW UP ARROWHEAD  
 02F1 < MODIFIER LETTER LOW LEFT ARROWHEAD  
 02F2 > MODIFIER LETTER LOW RIGHT ARROWHEAD  
 02F3 ° MODIFIER LETTER LOW RING  
 02F4 ` MODIFIER LETTER MIDDLE GRAVE ACCENT  
 02F5 ˘ MODIFIER LETTER MIDDLE DOUBLE GRAVE ACCENT  
 02F6 ˆ MODIFIER LETTER MIDDLE DOUBLE ACUTE ACCENT  
 02F7 ~ MODIFIER LETTER LOW TILDE  
 02F8 ⋮ MODIFIER LETTER RAISED COLON  
 02F9 ˆ MODIFIER LETTER BEGIN HIGH TONE  
 02FA ˆ MODIFIER LETTER END HIGH TONE  
 02FB ˆ MODIFIER LETTER BEGIN LOW TONE  
 02FC ˆ MODIFIER LETTER END LOW TONE  
 02FD ˆ MODIFIER LETTER SHELF  
 02FE ˆ MODIFIER LETTER OPEN SHELF  
 02FF ← MODIFIER LETTER LOW LEFT ARROW

	030	031	032	033	034	035	036
0	 0300	 0310	 0320	 0330	 0340	 0350	 0360
1	 0301	 0311	 0321	 0331	 0341	 0351	 0361
2	 0302	 0312	 0322	 0332	 0342	 0352	 0362
3	 0303	 0313	 0323	 0333	 0343	 0353	 0363
4	 0304	 0314	 0324	 0334	 0344	 0354	 0364
5	 0305	 0315	 0325	 0335	 0345	 0355	 0365
6	 0306	 0316	 0326	 0336	 0346	 0356	 0366
7	 0307	 0317	 0327	 0337	 0347	 0357	 0367
8	 0308	 0318	 0328	 0338	 0348	 0358	 0368
9	 0309	 0319	 0329	 0339	 0349	 0359	 0369
A	 030A	 031A	 032A	 033A	 034A	 035A	 036A
B	 030B	 031B	 032B	 033B	 034B	 035B	 036B
C	 030C	 031C	 032C	 033C	 034C	 035C	 036C
D	 030D	 031D	 032D	 033D	 034D	 035D	 036D
E	 030E	 031E	 032E	 033E	 034E	 035E	 036E
F	 030F	 031F	 032F	 033F	 034F	 035F	 036F

**Ordinary diacritics**

- 0300 ̀ **COMBINING GRAVE ACCENT**  
= Greek varia  
→ 0060 ` grave accent  
→ 02CB ` modifier letter grave accent
- 0301 ́ **COMBINING ACUTE ACCENT**  
= stress mark  
= Greek oxia, tonos  
→ 0027 ´ apostrophe  
→ 00B4 ´ acute accent  
→ 02B9 ´ modifier letter prime  
→ 02CA ´ modifier letter acute accent  
→ 0384 ´ greek tonos
- 0302 ̂ **COMBINING CIRCUMFLEX ACCENT**  
= hat  
→ 005E ^ circumflex accent  
→ 02C6 ^ modifier letter circumflex accent
- 0303 ̃ **COMBINING TILDE**  
• IPA: nasalization  
• Vietnamese tone mark  
→ 007E ~ tilde  
→ 02DC ~ small tilde
- 0304 ̄ **COMBINING MACRON**  
= long  
• distinguish from the following  
→ 00AF ¯ macron  
→ 02C9 ¯ modifier letter macron
- 0305 ̅ **COMBINING OVERLINE**  
= overscore, vinculum  
• connects on left and right  
→ 00AF ¯ macron
- 0306 ̆ **COMBINING BREVE**  
= short  
= Greek vrachy  
→ 02D8 ˘ breve  
→ A67C ̆ combining cyrillic kavyka
- 0307 ̇ **COMBINING DOT ABOVE**  
= derivative (Newtonian notation)  
• IPA (withdrawn in 1976): palatalization  
→ 02D9 ˙ dot above
- 0308 ̈ **COMBINING DIAERESIS**  
= double dot above, umlaut  
= Greek dialytika  
= double derivative  
→ 00A8 ¨ diaeresis
- 0309 ̉ **COMBINING HOOK ABOVE**  
= hoi  
• kerns left or right of circumflex over vowels  
• Vietnamese tone mark  
→ 02C0 ̉ modifier letter glottal stop
- 030A ̊ **COMBINING RING ABOVE**  
→ 00B0 ° degree sign  
→ 02DA ° ring above
- 030B ̋ **COMBINING DOUBLE ACUTE ACCENT**  
• Hungarian, Chuvas  
→ 0022 " quotation mark  
→ 02BA ¨ modifier letter double prime  
→ 02DD ¨ double acute accent
- 030C ̌ **COMBINING CARON**  
= hacek, V above  
→ 02C7 ˇ caron
- 030D ̍ **COMBINING VERTICAL LINE ABOVE**  
• this is not the Greek tonos  
• Marshallese  
→ 02C8 ̍ modifier letter vertical line
- 030E ̎ **COMBINING DOUBLE VERTICAL LINE ABOVE**  
• Marshallese  
→ 0022 " quotation mark
- 030F ̏ **COMBINING DOUBLE GRAVE ACCENT**  
• Serbian and Croatian poetics
- 0310 ̐ **COMBINING CANDRABINDU**  
→ 0901 ̐ devanagari sign candrabindu
- 0311 ̑ **COMBINING INVERTED BREVE**  
→ 0487 ̑ combining cyrillic pokrytie
- 0312 ̒ **COMBINING TURNED COMMA ABOVE**  
= cedilla above  
• Latvian (but not used in decomposition)  
→ 02BB ̒ modifier letter turned comma
- 0313 ̓ **COMBINING COMMA ABOVE**  
= Greek psili, smooth breathing mark  
• Americanist: ejective or glottalization  
→ 02BC ̓ modifier letter apostrophe  
→ 0486 ̓ combining cyrillic psili pneumata  
→ 055A ̓ armenian apostrophe
- 0314 ̔ **COMBINING REVERSED COMMA ABOVE**  
= Greek dasia, rough breathing mark  
→ 02BD ̔ modifier letter reversed comma  
→ 0485 ̔ combining cyrillic dasia pneumata  
→ 0559 ̔ armenian modifier letter left half ring
- 0315 ̕ **COMBINING COMMA ABOVE RIGHT**  
→ 02BC ̕ modifier letter apostrophe
- 0316 ̖ **COMBINING GRAVE ACCENT BELOW**
- 0317 ̗ **COMBINING ACUTE ACCENT BELOW**
- 0318 ̘ **COMBINING LEFT TACK BELOW**
- 0319 ̙ **COMBINING RIGHT TACK BELOW**
- 031A ̚ **COMBINING LEFT ANGLE ABOVE**  
• IPA: unreleased stop
- 031B ̛ **COMBINING HORN**  
• Vietnamese
- 031C ̜ **COMBINING LEFT HALF RING BELOW**  
• IPA: open variety of vowel  
→ 02D5 ̜ modifier letter down tack
- 031D ̝ **COMBINING UP TACK BELOW**  
• IPA: vowel raising or closing  
→ 02D4 ̝ modifier letter up tack
- 031E ̞ **COMBINING DOWN TACK BELOW**  
• IPA: vowel lowering or opening  
→ 02D5 ̞ modifier letter down tack
- 031F ̟ **COMBINING PLUS SIGN BELOW**  
• IPA: advanced or fronted articulation  
→ 02D6 ̟ modifier letter plus sign
- 0320 ̠ **COMBINING MINUS SIGN BELOW**  
• IPA: retracted or backed articulation  
• glyph may have small end-serifs  
→ 02D7 ̠ modifier letter minus sign
- 0321 ̡ **COMBINING PALATALIZED HOOK BELOW**  
• IPA: palatalization  
→ 02B2 ̡ modifier letter small j
- 0322 ̢ **COMBINING RETROFLEX HOOK BELOW**  
• IPA: retroflexion



- 0323 ◌̣ COMBINING DOT BELOW  
= nang  
• IPA: closer variety of vowel  
• Americanist and Indo-Europeanist: retraction or retroflexion  
• Semiticist: velarization or pharyngealization  
• Vietnamese tone mark  
→ 02D4 ◌̣ modifier letter up tack
- 0324 ◌̥ COMBINING DIAERESIS BELOW  
• IPA: breathy-voice or murmur  
→ 02B1 ◌̥ modifier letter small h with hook
- 0325 ◌̦ COMBINING RING BELOW  
• IPA: voiceless  
• vocalic (in Latin transliteration of Indic sonorants)  
• Madurese
- 0326 ◌̧ COMBINING COMMA BELOW  
• Romanian, Latvian, Livonian
- 0327 ◌̨ COMBINING CEDILLA  
• French, Turkish, Azerbaijani  
→ 00B8 ◌̨ cedilla
- 0328 ◌̩ COMBINING OGONEK  
= nasal hook  
• Americanist: nasalization  
• Polish, Lithuanian  
→ 02DB ◌̩ ogonek
- 0329 ◌̪ COMBINING VERTICAL LINE BELOW  
• IPA: syllabic  
• Yoruba  
• German dialectology  
• may attach or not; shape may vary by local preferences  
→ 02CC ◌̪ modifier letter low vertical line
- 032A ◌̫ COMBINING BRIDGE BELOW  
• IPA: dental
- 032B ◌̬ COMBINING INVERTED DOUBLE ARCH BELOW  
• IPA: labialization  
→ 02B7 ◌̬ modifier letter small w
- 032C ◌̭ COMBINING CARON BELOW  
• IPA: voiced
- 032D ◌̮ COMBINING CIRCUMFLEX ACCENT BELOW  
• Americanist: fronted articulation
- 032E ◌̯ COMBINING BREVE BELOW  
• Hittite transcription
- 032F ◌̰ COMBINING INVERTED BREVE BELOW  
• Americanist: fronted articulation (variant of 032D ◌̮)  
• Indo-Europeanist: semivowel
- 0330 ◌̱ COMBINING TILDE BELOW  
• IPA: creaky voice
- 0331 ◌̲ COMBINING MACRON BELOW  
→ 005F ◌̲ low line  
→ 02CD ◌̲ modifier letter low macron
- 0332 ◌̳ COMBINING LOW LINE  
= underline, underscore  
• connects on left and right  
→ 005F ◌̳ low line
- 0333 ◌̴ COMBINING DOUBLE LOW LINE  
= double underline, double underscore  
• connects on left and right  
→ 0347 ◌̴ combining equals sign below  
→ 2017 ◌̴ double low line

**Overstruck diacritics**

- 0334 ◌̵ COMBINING TILDE OVERLAY  
• IPA: velarization or pharyngealization
- 0335 ◌̶ COMBINING SHORT STROKE OVERLAY
- 0336 ◌̷ COMBINING LONG STROKE OVERLAY
- 0337 ◌̸ COMBINING SHORT SOLIDUS OVERLAY  
= short slash overlay
- 0338 ◌̹ COMBINING LONG SOLIDUS OVERLAY  
= long slash overlay

**Additions**

- 0339 ◌̺ COMBINING RIGHT HALF RING BELOW
- 033A ◌̻ COMBINING INVERTED BRIDGE BELOW
- 033B ◌̼ COMBINING SQUARE BELOW
- 033C ◌̽ COMBINING SEAGULL BELOW
- 033D ◌̾ COMBINING X ABOVE
- 033E ◌̿ COMBINING VERTICAL TILDE  
= yerik  
• used for Cyrillic yerik, indicates an omitted jer  
• this is not a palatalization mark  
→ 0484 ◌̿ combining cyrillic palatalization  
→ 2E2F ◌̿ vertical tilde  
→ A67D ◌̿ combining cyrillic payerok
- 033F ◌̽◌̽ COMBINING DOUBLE OVERLINE

**Vietnamese tone marks**

*Vietnamese-specific accent placement should be handled instead by specialized rendering of 0300 and 0301. Use of 0340 and 0341 is discouraged.*

- 0340 ◌̽ COMBINING GRAVE TONE MARK  
≡ 0300 ◌̽ combining grave accent
- 0341 ◌̽◌̽ COMBINING ACUTE TONE MARK  
≡ 0301 ◌̽◌̽ combining acute accent

**Additions for Greek**

- 0342 ◌̿ COMBINING GREEK PERISPOMENI
- 0343 ◌̿◌̿ COMBINING GREEK KORONIS  
≡ 0313 ◌̿◌̿ combining comma above
- 0344 ◌̿◌̿ COMBINING GREEK DIALYTIKA TONOS  
• use of this character is discouraged  
≡ 0308 ◌̿◌̿ 0301 ◌̿◌̿
- 0345 ◌̿◌̿ COMBINING GREEK YPOGEGRAMMENI  
= greek non-spacing iota below (1.0)  
= iota subscript  
• note special casing issues  
→ 037A ◌̿◌̿ greek ypogegrammeni  
→ 0399 ◌̿◌̿ greek capital letter iota

**Additions for IPA**

- 0346 ◌̿◌̿ COMBINING BRIDGE ABOVE  
• IPA: dentolabial  
→ 20E9 ◌̿◌̿ combining wide bridge above
- 0347 ◌̿◌̿ COMBINING EQUALS SIGN BELOW  
• IPA: alveolar
- 0348 ◌̿◌̿ COMBINING DOUBLE VERTICAL LINE BELOW  
• IPA: strong articulation
- 0349 ◌̿◌̿ COMBINING LEFT ANGLE BELOW  
• IPA: weak articulation
- 034A ◌̿◌̿ COMBINING NOT TILDE ABOVE  
• IPA: denasal

**IPA diacritics for disordered speech**

- 034B ◌̿◌̿ COMBINING HOMOTHETIC ABOVE  
• IPA: nasal escape

- 034C ◌̆ COMBINING ALMOST EQUAL TO ABOVE  
 • IPA: velopharyngeal friction
- 034D ◌̇ COMBINING LEFT RIGHT ARROW BELOW  
 • IPA: labial spreading
- 034E ◌̈ COMBINING UPWARDS ARROW BELOW  
 • IPA: whistled articulation

- 0369 ◌̄ COMBINING LATIN SMALL LETTER D
- 036A ◌̅ COMBINING LATIN SMALL LETTER H
- 036B ◌̆ COMBINING LATIN SMALL LETTER M
- 036C ◌̇ COMBINING LATIN SMALL LETTER R
- 036D ◌̈ COMBINING LATIN SMALL LETTER T
- 036E ◌̉ COMBINING LATIN SMALL LETTER V
- 036F ◌̊ COMBINING LATIN SMALL LETTER X

**Grapheme joiner**

- 034F ◌͂ COMBINING GRAPHEME JOINER  
 • commonly abbreviated as CGJ  
 • has no visible glyph  
 • the name of this character is misleading; it does not actually join graphemes

**Additions for the Uralic Phonetic Alphabet**

- 0350 ◌̋ COMBINING RIGHT ARROWHEAD ABOVE
- 0351 ◌̌ COMBINING LEFT HALF RING ABOVE
- 0352 ◌̍ COMBINING FERMATA
- 0353 ◌̎ COMBINING X BELOW
- 0354 ◌̏ COMBINING LEFT ARROWHEAD BELOW
- 0355 ◌̐ COMBINING RIGHT ARROWHEAD BELOW
- 0356 ◌̑ COMBINING RIGHT ARROWHEAD AND UP ARROWHEAD BELOW
- 0357 ◌̒ COMBINING RIGHT HALF RING ABOVE

**Miscellaneous additions**

- 0358 ◌̓ COMBINING DOT ABOVE RIGHT  
 • Latin transliterations of the Southern Min dialects of Chinese
- 0359 ◌̔ COMBINING ASTERISK BELOW  
 → 204E \* low asterisk
- 035A ◌̕ COMBINING DOUBLE RING BELOW  
 • Kharoshthi transliteration
- 035B ◌̖ COMBINING ZIGZAG ABOVE  
 • Latin abbreviation, Lithuanian phonetics and mediaevalist transcriptions

**Double diacritics**

- 035C ◌̗ COMBINING DOUBLE BREVE BELOW  
 = ligature tie below, papyrological hyphen  
 • a common glyph alternate connects the horizontal midpoints of the characters  
 → 035D ◌̘ combining double breve  
 → 0361 ◌̙ combining double inverted breve
- 035D ◌̘ COMBINING DOUBLE BREVE
- 035E ◌̚ COMBINING DOUBLE MACRON
- 035F ◌̛ COMBINING DOUBLE MACRON BELOW
- 0360 ◌̜ COMBINING DOUBLE TILDE
- 0361 ◌̝ COMBINING DOUBLE INVERTED BREVE  
 = ligature tie
- 0362 ◌̞ COMBINING DOUBLE RIGHTWARDS ARROW BELOW  
 • IPA: sliding articulation

**Medieval superscript letter diacritics**

*These are letter diacritics written directly above other letters. They appear primarily in medieval Germanic manuscripts, but saw some usage as late as the 19th century in some languages.*

- 0363 ◌̇̇ COMBINING LATIN SMALL LETTER A
- 0364 ◌̇̈ COMBINING LATIN SMALL LETTER E
- 0365 ◌̇̉ COMBINING LATIN SMALL LETTER I
- 0366 ◌̇̊ COMBINING LATIN SMALL LETTER O
- 0367 ◌̇̋ COMBINING LATIN SMALL LETTER U
- 0368 ◌̇̌ COMBINING LATIN SMALL LETTER C

	037	038	039	03A	03B	03C	03D	03E	03F
0	Ɔ 0370		í 0390	Π 03A0	ü 03B0	π 03C0	ϐ 03D0	Ǝ 03E0	κ 03F0
1	Ɔ 0371		Α 0391	Ρ 03A1	α 03B1	ρ 03C1	ϑ 03D1	Ǝ 03E1	ϙ 03F1
2	Ɔ 0372		Β 0392		β 03B2	ς 03C2	Υ 03D2	Ω 03E2	Ϙ 03F2
3	Ɔ 0373		Γ 0393	Σ 03A3	γ 03B3	σ 03C3	Υ 03D3	ω 03E3	ι 03F3
4	´ 0374	´ 0384	Δ 0394	Τ 03A4	δ 03B4	τ 03C4	ÿ 03D4	ϕ 03E4	Θ 03F4
5	´ 0375	´ 0385	Ε 0395	Υ 03A5	ε 03B5	υ 03C5	φ 03D5	ϕ 03E5	€ 03F5
6	И 0376	À 0386	Ζ 0396	Φ 03A6	ζ 03B6	φ 03C6	ϖ 03D6	ϑ 03E6	ϙ 03F6
7	и 0377	· 0387	Η 0397	Χ 03A7	η 03B7	χ 03C7	ϗ 03D7	ϑ 03E7	ϙ 03F7
8		Έ 0388	Θ 0398	Ψ 03A8	θ 03B8	ψ 03C8	Ϟ 03D8	ϗ 03E8	ϙ 03F8
9		Ή 0389	Ι 0399	Ω 03A9	ι 03B9	ω 03C9	ϙ 03D9	ϗ 03E9	Ϙ 03F9
A	´ 037A	Ί 038A	Κ 039A	Ϊ 03AA	κ 03BA	ϊ 03CA	Ϙ 03DA	ϙ 03EA	Μ 03FA
B	Ϙ 037B		Λ 039B	ÿ 03AB	λ 03BB	ÿ 03CB	ς 03DB	ϙ 03EB	ϙ 03FB
C	ϙ 037C	Ό 038C	Μ 039C	ά 03AC	μ 03BC	ό 03CC	Ϙ 03DC	ϙ 03EC	ρ 03FC
D	ϙ 037D		Ν 039D	έ 03AD	ν 03BD	ύ 03CD	Ϙ 03DD	ϙ 03ED	ϙ 03FD
E	; 037E	Ύ 038E	Ξ 039E	ή 03AE	ξ 03BE	ώ 03CE	ϙ 03DE	† 03EE	ϙ 03FE
F		Ό 038F	Ο 039F	ί 03AF	ο 03BF	ϙ 03CF	ϙ 03DF	† 03EF	ϙ 03FF

**Archaic letters**

- 0370 Η GREEK CAPITAL LETTER HETA  
→ 2C75 H latin capital letter half h
- 0371 η GREEK SMALL LETTER HETA  
→ 2C76 η latin small letter half h
- 0372 Ἠ GREEK CAPITAL LETTER ARCHAIC SAMPI
- 0373 ἥ GREEK SMALL LETTER ARCHAIC SAMPI


**Numeral signs**

- 0374 Ϟ GREEK NUMERAL SIGN  
= dexia keraia  
• indicates numeric use of letters  
→ 02CA Ϟ modifier letter acute accent  
≡ 02B9 Ϟ modifier letter prime
- 0375 ϟ GREEK LOWER NUMERAL SIGN  
= aristeri keraia  
• indicates numeric use of letters  
→ 02CF ϟ modifier letter low acute accent

**Archaic letters**

- 0376 Ϝ GREEK CAPITAL LETTER PAMPHYLIAN DIGAMMA
- 0377 ϝ GREEK SMALL LETTER PAMPHYLIAN DIGAMMA

**Iota subscript**

- 037A Ϟ GREEK YPOGEGRAMMENI  
= iota subscript  
→ 0345 Ϟ combining greek ypogegrammeni  
≈ 0020  0345 Ϟ

**Lowercase of editorial symbols**

- 037B Ϟ GREEK SMALL REVERSED LUNATE SIGMA SYMBOL
- 037C Ϟ GREEK SMALL DOTTED LUNATE SIGMA SYMBOL
- 037D Ϟ GREEK SMALL REVERSED DOTTED LUNATE SIGMA SYMBOL

**Punctuation**

- 037E ; GREEK QUESTION MARK  
= erotimatiko  
• sentence-final punctuation  
• 003B ; is the preferred character  
→ 003F ? question mark  
≡ 003B ; semicolon

**Spacing accent marks**

- 0384 Ϟ GREEK TONOS  
→ 00B4 Ϟ acute accent  
→ 030D Ϟ combining vertical line above  
≈ 0020  0301 Ϟ
- 0385 Ϟ GREEK DIALYTIKA TONOS  
≡ 00A8 Ϟ 0301 Ϟ

**Letter**

- 0386 Α GREEK CAPITAL LETTER ALPHA WITH TONOS  
≡ 0391 Α 0301 Ϟ

**Punctuation**


- 0387 Ϟ GREEK ANO TELEIA  
• functions in Greek like a semicolon  
• 00B7 Ϟ is the preferred character  
≡ 00B7 Ϟ middle dot

**Letters**


- 0388 Ε GREEK CAPITAL LETTER EPSILON WITH TONOS  
≡ 0395 Ε 0301 Ϟ

- 0389 Η GREEK CAPITAL LETTER ETA WITH TONOS  
≡ 0397 Η 0301 Ϟ

- 038A Ι GREEK CAPITAL LETTER IOTA WITH TONOS  
≡ 0399 Ι 0301 Ϟ

- 038B  <reserved>

- 038C Ο GREEK CAPITAL LETTER OMICRON WITH TONOS  
≡ 039F Ο 0301 Ϟ

- 038D  <reserved>

- 038E Υ GREEK CAPITAL LETTER UPSILON WITH TONOS  
≡ 03A5 Υ 0301 Ϟ

- 038F Ω GREEK CAPITAL LETTER OMEGA WITH TONOS  
≡ 03A9 Ω 0301 Ϟ

- 0390 ι GREEK SMALL LETTER IOTA WITH DIALYTIKA AND TONOS  
≡ 03CA ι 0301 Ϟ

- 0391 Α GREEK CAPITAL LETTER ALPHA

- 0392 Β GREEK CAPITAL LETTER BETA

- 0393 Γ GREEK CAPITAL LETTER GAMMA  
= gamma function  
→ 213E Γ double-struck capital gamma

- 0394 Δ GREEK CAPITAL LETTER DELTA  
→ 2206 Δ increment

- 0395 Ε GREEK CAPITAL LETTER EPSILON

- 0396 Ζ GREEK CAPITAL LETTER ZETA

- 0397 Η GREEK CAPITAL LETTER ETA

- 0398 Θ GREEK CAPITAL LETTER THETA

- 0399 Ι GREEK CAPITAL LETTER IOTA  
= iota adscript

- 039A Κ GREEK CAPITAL LETTER KAPPA

- 039B Λ GREEK CAPITAL LETTER LAMDA

- 039C Μ GREEK CAPITAL LETTER MU


- 039D Ν GREEK CAPITAL LETTER NU

- 039E Ξ GREEK CAPITAL LETTER XI

- 039F Ο GREEK CAPITAL LETTER OMICRON

- 03A0 Π GREEK CAPITAL LETTER PI  
→ 213F Π double-struck capital pi  
→ 220F Π n-ary product

- 03A1 Ρ GREEK CAPITAL LETTER RHO

- 03A2  <reserved>

- 03A3 Σ GREEK CAPITAL LETTER SIGMA  
→ 01A9 Σ latin capital letter esh  
→ 2211 Σ n-ary summation

- 03A4 Τ GREEK CAPITAL LETTER TAU

- 03A5 Υ GREEK CAPITAL LETTER UPSILON

- 03A6 Φ GREEK CAPITAL LETTER PHI

- 03A7 Χ GREEK CAPITAL LETTER CHI

- 03A8 Ψ GREEK CAPITAL LETTER PSI

- 03A9 Ω GREEK CAPITAL LETTER OMEGA  
→ 2126 Ω ohm sign  
→ 2127 Ω inverted ohm sign

- 03AA Ι GREEK CAPITAL LETTER IOTA WITH DIALYTIKA  
≡ 0399 Ι 0308 Ϟ

- 03AB Υ GREEK CAPITAL LETTER UPSILON WITH DIALYTIKA  
≡ 03A5 Υ 0308 Ϟ

- 03AC α GREEK SMALL LETTER ALPHA WITH TONOS  
≡ 03B1 α 0301 Ϟ

- 03AD ε GREEK SMALL LETTER EPSILON WITH TONOS  
≡ 03B5 ε 0301 Ϟ

- 03AE η GREEK SMALL LETTER ETA WITH TONOS  
≡ 03B7 η 0301 Ϟ

03AF	í	GREEK SMALL LETTER IOTA WITH TONOS ≡ 03B9 ι 0301 ó
03B0	ú	GREEK SMALL LETTER UPSILON WITH DIALYTIKA AND TONOS ≡ 03CB ü 0301 ó
03B1	α	GREEK SMALL LETTER ALPHA → 0251 α latin small letter alpha → 221D ∝ proportional to
03B2	β	GREEK SMALL LETTER BETA → 00DF ß latin small letter sharp s → 0180 ḅ latin small letter b with stroke
03B3	γ	GREEK SMALL LETTER GAMMA → 0263 γ latin small letter gamma → 213D γ̣ double-struck small gamma
03B4	δ	GREEK SMALL LETTER DELTA
03B5	ε	GREEK SMALL LETTER EPSILON → 025B ε latin small letter open e
03B6	ζ	GREEK SMALL LETTER ZETA
03B7	η	GREEK SMALL LETTER ETA
03B8	θ	GREEK SMALL LETTER THETA → 0275 ø latin small letter barred o → 0473 ѳ cyrillic small letter fita
03B9	ι	GREEK SMALL LETTER IOTA → 0269 ι latin small letter iota → 2129 ι̣ turned greek small letter iota
03BA	κ	GREEK SMALL LETTER KAPPA
03BB	λ	GREEK SMALL LETTER LAMDA = lambda
03BC	μ	GREEK SMALL LETTER MU → 00B5 μ micro sign
03BD	ν	GREEK SMALL LETTER NU
03BE	ξ	GREEK SMALL LETTER XI
03BF	ο	GREEK SMALL LETTER OMICRON
03C0	π	GREEK SMALL LETTER PI • math constant 3.141592...
03C1	ρ	GREEK SMALL LETTER RHO
03C2	ς	GREEK SMALL LETTER FINAL SIGMA = stigma (the Modern Greek name for this letterform) • not to be confused with the actual stigma letter → 03DB Ϸ greek small letter stigma
03C3	σ	GREEK SMALL LETTER SIGMA • used symbolically with a numeric value 200
03C4	τ	GREEK SMALL LETTER TAU
03C5	υ	GREEK SMALL LETTER UPSILON → 028A υ latin small letter upsilon → 028B υ̣ latin small letter v with hook
03C6	φ	GREEK SMALL LETTER PHI → 0278 φ latin small letter phi → 03D5 ϕ greek phi symbol • the ordinary Greek letter, showing considerable glyph variation • in mathematical contexts, the loopy glyph is preferred, to contrast with 03D5 ϕ
03C7	χ	GREEK SMALL LETTER CHI
03C8	ψ	GREEK SMALL LETTER PSI
03C9	ω	GREEK SMALL LETTER OMEGA
03CA	ϊ	GREEK SMALL LETTER IOTA WITH DIALYTIKA ≡ 03B9 ι 0308 ö
03CB	ϋ	GREEK SMALL LETTER UPSILON WITH DIALYTIKA ≡ 03C5 υ 0308 ö

03CC	ό	GREEK SMALL LETTER OMICRON WITH TONOS ≡ 03BF ο 0301 ó
03CD	ύ	GREEK SMALL LETTER UPSILON WITH TONOS ≡ 03C5 υ 0301 ó
03CE	ώ	GREEK SMALL LETTER OMEGA WITH TONOS ≡ 03C9 ω 0301 ó

**Variant letterforms**

03CF	Ϛ	GREEK CAPITAL KAI SYMBOL → 03D7 ϛ greek kai symbol
03D0	ϛ	GREEK BETA SYMBOL = curled beta ≈ 03B2 β greek small letter beta
03D1	Ϝ	GREEK THETA SYMBOL = script theta • used as a technical symbol ≈ 03B8 θ greek small letter theta
03D2	Ϛ	GREEK UPSILON WITH HOOK SYMBOL ≈ 03A5 Υ greek capital letter upsilon
03D3	Ϛ	GREEK UPSILON WITH ACUTE AND HOOK SYMBOL ≡ 03D2 Ϛ 0301 ó
03D4	Ϛ̣	GREEK UPSILON WITH DIAERESIS AND HOOK SYMBOL ≡ 03D2 Ϛ 0308 ö
03D5	ϕ	GREEK PHI SYMBOL • used as a technical symbol, with a stroked glyph • maps to “phi1” symbol entities ≈ 03C6 φ greek small letter phi
03D6	ω̣	GREEK PI SYMBOL = omega pi • used as a technical symbol • a variant of pi, looking like omega ≈ 03C0 π greek small letter pi
03D7	ϛ	GREEK KAI SYMBOL • used as an ampersand → 2CE4 ϛ coptic symbol kai

**Archaic letters**

03D8	Ϟ	GREEK LETTER ARCHAIC KOPPA
03D9	ϟ	GREEK SMALL LETTER ARCHAIC KOPPA • the Q-shaped archaic koppas are the ordinary alphabetic letters and can also be used as symbols with a numeric value of 90 in classical and pre-classical texts
03DA	Ϡ	GREEK LETTER STIGMA • apparently in origin a cursive form of digamma • the name “stigma” originally applied to a medieval sigma-tau ligature, whose shape was confusably similar to the cursive digamma • used as a symbol with a numeric value of 6 → 2185 Ϡ roman numeral six late form
03DB	Ϸ	GREEK SMALL LETTER STIGMA → 03C2 Ϸ greek small letter final sigma
03DC	Ϛ	GREEK LETTER DIGAMMA
03DD	Ϛ	GREEK SMALL LETTER DIGAMMA • used as a symbol with a numeric value of 6
03DE	Ϛ	GREEK LETTER KOPPA
03DF	Ϛ	GREEK SMALL LETTER KOPPA • used in modern Greek as a symbol with a numeric value of 90, as in the dating of legal documentation
03E0	Ϛ	GREEK LETTER SAMPI

- 03E1 ϻ GREEK SMALL LETTER SAMPI  
 • used as a symbol with a numeric value of 900

### Coptic letters derived from Demotic

*For other Coptic letters see the Coptic Block.*

- 03E2 Ⲁ COPTIC CAPITAL LETTER SHEI  
 03E3 ⲁ COPTIC SMALL LETTER SHEI  
 03E4 Ⲃ COPTIC CAPITAL LETTER FEI  
 03E5 ⲃ COPTIC SMALL LETTER FEI  
 03E6 Ⲅ COPTIC CAPITAL LETTER KHEI  
 03E7 ⲅ COPTIC SMALL LETTER KHEI  
 03E8 Ⲇ COPTIC CAPITAL LETTER HORI  
 03E9 ⲇ COPTIC SMALL LETTER HORI  
 03EA Ⲉ COPTIC CAPITAL LETTER GANGIA  
 03EB ⲉ COPTIC SMALL LETTER GANGIA  
 03EC Ⲋ COPTIC CAPITAL LETTER SHIMA  
 03ED ⲋ COPTIC SMALL LETTER SHIMA  
 03EE Ⲍ COPTIC CAPITAL LETTER DEI  
 03EF ⲍ COPTIC SMALL LETTER DEI

### Variant letterforms

- 03F0 κ GREEK KAPPA SYMBOL  
 = script kappa  
 • used as technical symbol  
 ≈ 03BA κ greek small letter kappa
- 03F1 ϱ GREEK RHO SYMBOL  
 = tailed rho  
 • used as technical symbol  
 ≈ 03C1 ϱ greek small letter rho
- 03F2 ϳ GREEK LUNATE SIGMA SYMBOL  
 = greek small letter lunate sigma (1.0)  
 ≈ 03C2 ϳ greek small letter final sigma

### Additional letter

- 03F3 j GREEK LETTER YOT

### Variant letterforms and symbols

- 03F4 Θ GREEK CAPITAL THETA SYMBOL  
 → 0472 Θ cyrillic capital letter fita  
 ≈ 0398 Θ greek capital letter theta
- 03F5 ε GREEK LUNATE EPSILON SYMBOL  
 = straight epsilon  
 → 220A ε small element of  
 ≈ 03B5 ε greek small letter epsilon
- 03F6 Ϸ GREEK REVERSED LUNATE EPSILON SYMBOL  
 = reversed straight epsilon  
 → 220D Ϸ small contains as member

### Additional archaic letters for Bactrian

- 03F7 Ɽ GREEK CAPITAL LETTER SHO  
 03F8 ⱥ GREEK SMALL LETTER SHO

### Variant letterform

- 03F9 C GREEK CAPITAL LUNATE SIGMA SYMBOL  
 ≈ 03A3 Σ greek capital letter sigma

### Archaic letters

- 03FA Ɑ GREEK CAPITAL LETTER SAN  
 03FB Ɱ GREEK SMALL LETTER SAN

### Symbol

- 03FC ϱ GREEK RHO WITH STROKE SYMBOL  
 • used with abbreviations containing 03C1 ϱ

### Editorial symbols

- 03FD Ϸ GREEK CAPITAL REVERSED LUNATE SIGMA SYMBOL  
 = antisigma
- 03FE Ϸ GREEK CAPITAL DOTTED LUNATE SIGMA SYMBOL  
 = sigma periestigmenon
- 03FF Ϸ GREEK CAPITAL REVERSED DOTTED LUNATE SIGMA SYMBOL  
 = antisigma periestigmenon

	040	041	042	043	044	045	046	047	048	049	04A	04B	04C	04D	04E	04F
0	È 0400	А 0410	Р 0420	а 0430	р 0440	è 0450	Ѡ 0460	Ѳ 0470	Ѣ 0480	Г 0490	К 04A0	У 04B0	І 04C0	Ă 04D0	З 04E0	ÿ 04F0
1	Ë 0401	Б 0411	С 0421	б 0431	с 0441	ë 0451	ѡ 0461	ѳ 0471	ѣ 0481	г 0491	к 04A1	у 04B1	Ж 04C1	ă 04D1	з 04E1	ÿ 04F1
2	Ѥ 0402	В 0412	Т 0422	в 0432	т 0442	ђ 0452	Ѧ 0462	Ѧ 0472	Ѧ 0482	Ѧ 0492	Ѧ 04A2	Ѧ 04B2	Ѧ 04C2	Ă 04D2	Й 04E2	Ў 04F2
3	Ґ 0403	Г 0413	У 0423	г 0433	у 0443	ѓ 0453	Ѧ 0463	Ѧ 0473	Ѧ 0483	Ѧ 0493	Ѧ 04A3	Ѧ 04B3	Ѧ 04C3	ă 04D3	й 04E3	ў 04F3
4	Є 0404	Д 0414	Ф 0424	д 0434	ф 0444	є 0454	Є 0464	Ѧ 0474	Ѧ 0484	Ѧ 0494	Ѧ 04A4	Ѧ 04B4	Ѧ 04C4	Æ 04D4	Й 04E4	Ї 04F4
5	Ɔ 0405	Е 0415	Х 0425	е 0435	х 0445	Ɔ 0455	Є 0465	Ѧ 0475	Ѧ 0485	Ѧ 0495	Ѧ 04A5	Ѧ 04B5	Ѧ 04C5	æ 04D5	й 04E5	č 04F5
6	І 0406	Ж 0416	Ц 0426	ж 0436	ц 0446	і 0456	А 0466	Ѧ 0476	Ѧ 0486	Ж 0496	Ѧ 04A6	Ѧ 04B6	Ѧ 04C6	Ě 04D6	Ö 04E6	Г 04F6
7	Ї 0407	З 0417	Ч 0427	з 0437	ч 0447	ї 0457	А 0467	Ѧ 0477	Ѧ 0487	Ж 0497	Ѧ 04A7	Ѧ 04B7	Ѧ 04C7	ě 04D7	ö 04E7	г 04F7
8	Ј 0408	И 0418	Ш 0428	и 0438	ш 0448	ј 0458	Ѧ 0468	Ѧ 0478	Ѧ 0488	Ѧ 0498	Ѧ 04A8	Ѧ 04B8	Ѧ 04C8	Э 04D8	Ө 04E8	Ї 04F8
9	Љ 0409	Й 0419	Щ 0429	й 0439	щ 0449	љ 0459	Ѧ 0469	Ѧ 0479	Ѧ 0489	Ѧ 0499	Ѧ 04A9	Ѧ 04B9	Ѧ 04C9	э 04D9	ө 04E9	й 04F9
A	Н 040A	К 041A	Ъ 042A	к 043A	ъ 044A	њ 045A	Ѧ 046A	Ѧ 047A	Ѧ 048A	Ѧ 049A	Ѧ 04AA	Ѧ 04BA	Ѧ 04CA	Ә 04DA	Ө 04EA	Ғ 04FA
B	Ѧ 040B	Л 041B	Ы 042B	л 043B	ы 044B	ћ 045B	Ѧ 046B	Ѧ 047B	Ѧ 048B	Ѧ 049B	Ѧ 04AB	Ѧ 04BB	Ѧ 04CB	ә 04DB	ө 04EB	ғ 04FB
C	Ќ 040C	М 041C	Ь 042C	м 043C	ь 044C	ќ 045C	Ѧ 046C	Ѧ 047C	Ѧ 048C	Ѧ 049C	Ѧ 04AC	Ѧ 04BC	Ѧ 04CC	Ж 04DC	Ә 04EC	Х 04FC
D	Й 040D	Н 041D	Э 042D	н 043D	э 044D	й 045D	Ѧ 046D	Ѧ 047D	Ѧ 048D	Ѧ 049D	Ѧ 04AD	Ѧ 04BD	Ѧ 04CD	Ж 04DD	ә 04ED	х 04FD
E	Ў 040E	О 041E	Ю 042E	о 043E	ю 044E	ў 045E	Ѧ 046E	Ѧ 047E	Ѧ 048E	Ѧ 049E	Ѧ 04AE	Ѧ 04BE	Ѧ 04CE	Ž 04DE	Ÿ 04EE	Ж 04FE
F	Ц 040F	П 041F	Я 042F	п 043F	я 044F	ц 045F	Ѧ 046F	Ѧ 047F	Ѧ 048F	Ѧ 049F	Ѧ 04AF	Ѧ 04BF	Ѧ 04CF	ž 04DF	ÿ 04EF	ж 04FF

**Cyrillic extensions**

0400	Ё	CYRILLIC CAPITAL LETTER IE WITH GRAVE ≡ 0415 Ё 0300 ̀
0401	ѐ	CYRILLIC CAPITAL LETTER IO ≡ 0415 Ё 0308 ̈
0402	Ђ	CYRILLIC CAPITAL LETTER DJE
0403	Ѓ	CYRILLIC CAPITAL LETTER GJE ≡ 0413 Г 0301 ́
0404	Є	CYRILLIC CAPITAL LETTER UKRAINIAN IE
0405	Є	CYRILLIC CAPITAL LETTER DZE
0406	І	CYRILLIC CAPITAL LETTER BYELORUSSIAN-UKRAINIAN I → 0049 I latin capital letter i → 0456 і cyrillic small letter byelorussian-ukrainian i → 04C0 І cyrillic letter palochka
0407	Ї	CYRILLIC CAPITAL LETTER YI ≡ 0406 І 0308 ̈
0408	Ј	CYRILLIC CAPITAL LETTER JE
0409	Љ	CYRILLIC CAPITAL LETTER LJE
040A	Њ	CYRILLIC CAPITAL LETTER NJE
040B	Ѡ	CYRILLIC CAPITAL LETTER TSHE
040C	Ѣ	CYRILLIC CAPITAL LETTER KJE ≡ 041A К 0301 ́
040D	Ѥ	CYRILLIC CAPITAL LETTER I WITH GRAVE ≡ 0418 И 0300 ̀
040E	Ѧ	CYRILLIC CAPITAL LETTER SHORT U ≡ 0423 У 0306 ̈
040F	Ѩ	CYRILLIC CAPITAL LETTER DZHE
<b>Basic Russian alphabet</b>		
0410	А	CYRILLIC CAPITAL LETTER A
0411	Б	CYRILLIC CAPITAL LETTER BE → 0183 Б latin small letter b with topbar
0412	В	CYRILLIC CAPITAL LETTER VE
0413	Г	CYRILLIC CAPITAL LETTER GHE
0414	Д	CYRILLIC CAPITAL LETTER DE
0415	Е	CYRILLIC CAPITAL LETTER IE
0416	Ж	CYRILLIC CAPITAL LETTER ZHE
0417	З	CYRILLIC CAPITAL LETTER ZE
0418	И	CYRILLIC CAPITAL LETTER I
0419	Й	CYRILLIC CAPITAL LETTER SHORT I ≡ 0418 И 0306 ̈
041A	К	CYRILLIC CAPITAL LETTER KA
041B	Л	CYRILLIC CAPITAL LETTER EL
041C	М	CYRILLIC CAPITAL LETTER EM
041D	Н	CYRILLIC CAPITAL LETTER EN
041E	О	CYRILLIC CAPITAL LETTER O
041F	П	CYRILLIC CAPITAL LETTER PE
0420	Р	CYRILLIC CAPITAL LETTER ER
0421	С	CYRILLIC CAPITAL LETTER ES
0422	Т	CYRILLIC CAPITAL LETTER TE
0423	У	CYRILLIC CAPITAL LETTER U → 0478 Uy cyrillic capital letter uk → 04AF у cyrillic small letter straight u → A64A Ѹ cyrillic capital letter monograph uk
0424	Ф	CYRILLIC CAPITAL LETTER EF
0425	Х	CYRILLIC CAPITAL LETTER HA
0426	Ц	CYRILLIC CAPITAL LETTER TSE
0427	Ч	CYRILLIC CAPITAL LETTER CHE
0428	Ш	CYRILLIC CAPITAL LETTER SHA
0429	Щ	CYRILLIC CAPITAL LETTER SHCHA

042A	Ъ	CYRILLIC CAPITAL LETTER HARD SIGN
042B	Ы	CYRILLIC CAPITAL LETTER YERU
042C	Ь	CYRILLIC CAPITAL LETTER SOFT SIGN
042D	Э	CYRILLIC CAPITAL LETTER E
042E	Ю	CYRILLIC CAPITAL LETTER YU
042F	Я	CYRILLIC CAPITAL LETTER YA
0430	а	CYRILLIC SMALL LETTER A
0431	б	CYRILLIC SMALL LETTER BE
0432	в	CYRILLIC SMALL LETTER VE
0433	г	CYRILLIC SMALL LETTER GHE
0434	д	CYRILLIC SMALL LETTER DE
0435	е	CYRILLIC SMALL LETTER IE
0436	ж	CYRILLIC SMALL LETTER ZHE
0437	з	CYRILLIC SMALL LETTER ZE
0438	и	CYRILLIC SMALL LETTER I
0439	й	CYRILLIC SMALL LETTER SHORT I ≡ 0438 и 0306 ̈
043A	к	CYRILLIC SMALL LETTER KA
043B	л	CYRILLIC SMALL LETTER EL
043C	м	CYRILLIC SMALL LETTER EM
043D	н	CYRILLIC SMALL LETTER EN
043E	о	CYRILLIC SMALL LETTER O
043F	п	CYRILLIC SMALL LETTER PE
0440	р	CYRILLIC SMALL LETTER ER
0441	с	CYRILLIC SMALL LETTER ES
0442	т	CYRILLIC SMALL LETTER TE
0443	у	CYRILLIC SMALL LETTER U
0444	ф	CYRILLIC SMALL LETTER EF
0445	х	CYRILLIC SMALL LETTER HA
0446	ц	CYRILLIC SMALL LETTER TSE
0447	ч	CYRILLIC SMALL LETTER CHE
0448	ш	CYRILLIC SMALL LETTER SHA
0449	щ	CYRILLIC SMALL LETTER SHCHA
044A	ъ	CYRILLIC SMALL LETTER HARD SIGN
044B	ы	CYRILLIC SMALL LETTER YERU → A651 Ѣ cyrillic small letter yeru with back yer
044C	ь	CYRILLIC SMALL LETTER SOFT SIGN → 0185 б latin small letter tone six → A64F ѣ cyrillic small letter neutral yer
044D	э	CYRILLIC SMALL LETTER E
044E	ю	CYRILLIC SMALL LETTER YU → A655 ѡ cyrillic small letter reversed yu
044F	я	CYRILLIC SMALL LETTER YA

**Cyrillic extensions**

0450	ѐ	CYRILLIC SMALL LETTER IE WITH GRAVE • Macedonian ≡ 0435 е 0300 ̀
0451	ë	CYRILLIC SMALL LETTER IO • Russian, ... ≡ 0435 е 0308 ̈
0452	ђ	CYRILLIC SMALL LETTER DJE • Serbian → 0111 đ latin small letter d with stroke
0453	ѓ	CYRILLIC SMALL LETTER GJE • Macedonian ≡ 0433 г 0301 ́
0454	є	CYRILLIC SMALL LETTER UKRAINIAN IE = Old Cyrillic yest
0455	ѕ	CYRILLIC SMALL LETTER DZE • Macedonian → A643 ѕ cyrillic small letter dzelo



0456	і	CYRILLIC SMALL LETTER BYELORUSSIAN-UKRAINIAN I = Old Cyrillic і
0457	ї	CYRILLIC SMALL LETTER YI • Ukrainian ≡ 0456 і 0308 ѿ
0458	ј	CYRILLIC SMALL LETTER JE • Serbian, Azerbaijani, Altay
0459	Љ	CYRILLIC SMALL LETTER LJE • Serbian, Macedonian → 01C9 Іј latin small letter lj
045A	њ	CYRILLIC SMALL LETTER NJE • Serbian, Macedonian → 01CC нј latin small letter nj
045B	ћ	CYRILLIC SMALL LETTER TSHE • Serbian → 0107 ć latin small letter c with acute → 0127 ħ latin small letter h with stroke → 040B Тћ cyrillic capital letter tshe → 210F ħ planck constant over two pi → A649 х cyrillic small letter djerv
045C	ќ	CYRILLIC SMALL LETTER KJE • Macedonian ≡ 043A к 0301 ѿ
045D	ѝ	CYRILLIC SMALL LETTER I WITH GRAVE • Macedonian, Bulgarian ≡ 0438 и 0300 ѿ
045E	ў	CYRILLIC SMALL LETTER SHORT U • Byelorussian, Uzbek ≡ 0443 у 0306 ѿ
045F	џ	CYRILLIC SMALL LETTER DZHE • Serbian, Macedonian, Abkhasian → 01C6 dž latin small letter dz with caron

**Historic letters**

0460	Ѡ	CYRILLIC CAPITAL LETTER OMEGA
0461	ѡ	CYRILLIC SMALL LETTER OMEGA → A64D Ѡ cyrillic small letter broad omega
0462	Ѣ	CYRILLIC CAPITAL LETTER YAT
0463	ѣ	CYRILLIC SMALL LETTER YAT → A653 Ѣ cyrillic small letter iotified yat
0464	Ѥ	CYRILLIC CAPITAL LETTER IOTIFIED E
0465	ѥ	CYRILLIC SMALL LETTER IOTIFIED E
0466	Ѧ	CYRILLIC CAPITAL LETTER LITTLE YUS
0467	ѧ	CYRILLIC SMALL LETTER LITTLE YUS → A659 Ѧ cyrillic small letter closed little yus → A65B ѧ cyrillic small letter blended yus
0468	Ѩ	CYRILLIC CAPITAL LETTER IOTIFIED LITTLE YUS
0469	ѩ	CYRILLIC SMALL LETTER IOTIFIED LITTLE YUS → 044F я cyrillic small letter ya → A65D ѩ cyrillic small letter iotified closed little yus
046A	Ѫ	CYRILLIC CAPITAL LETTER BIG YUS
046B	ѫ	CYRILLIC SMALL LETTER BIG YUS → A65B Ѫ cyrillic small letter blended yus
046C	Ѭ	CYRILLIC CAPITAL LETTER IOTIFIED BIG YUS
046D	ѭ	CYRILLIC SMALL LETTER IOTIFIED BIG YUS
046E	Ѯ	CYRILLIC CAPITAL LETTER KSI
046F	ѯ	CYRILLIC SMALL LETTER KSI
0470	Ѱ	CYRILLIC CAPITAL LETTER PSI
0471	ѱ	CYRILLIC SMALL LETTER PSI
0472	Ѳ	CYRILLIC CAPITAL LETTER FITA

0473	ѳ	CYRILLIC SMALL LETTER FITA → 0275 ѳ latin small letter barred o → 03B8 θ greek small letter theta
0474	Ѵ	CYRILLIC CAPITAL LETTER IZHITSA
0475	ѵ	CYRILLIC SMALL LETTER IZHITSA
0476	Ѷ	CYRILLIC CAPITAL LETTER IZHITSA WITH DOUBLE GRAVE ACCENT ≡ 0474 Ѵ 030F ѿ
0477	ѷ	CYRILLIC SMALL LETTER IZHITSA WITH DOUBLE GRAVE ACCENT ≡ 0475 ѵ 030F ѿ
0478	Ѹ	CYRILLIC CAPITAL LETTER UK • may be rendered as either monograph or digraph form • for “digraph uk” the preferred spelling is 041E Ѹ 0443 у • for “monograph uk” the preferred character is A64A Ѹ → 0423 Ѹ cyrillic capital letter u
0479	ѹ	CYRILLIC SMALL LETTER UK • for “digraph uk” the preferred spelling is 043E ѹ 0443 у • for “monograph uk” the preferred character is A64B ѹ
047A	Ѻ	CYRILLIC CAPITAL LETTER ROUND OMEGA
047B	ѻ	CYRILLIC SMALL LETTER ROUND OMEGA
047C	Ѽ	CYRILLIC CAPITAL LETTER OMEGA WITH TITLO = Cyrillic “beautiful omega” • despite its name, this character does not have a titlo, nor is it composed of an omega plus a diacritic → A64C Ѽ cyrillic capital letter broad omega
047D	ѽ	CYRILLIC SMALL LETTER OMEGA WITH TITLO
047E	Ѿ	CYRILLIC CAPITAL LETTER OT
047F	ѿ	CYRILLIC SMALL LETTER OT
0480	Ѡ	CYRILLIC CAPITAL LETTER KOPPA
0481	ѡ	CYRILLIC SMALL LETTER KOPPA

**Historic miscellaneous**

0482	Ѣ	CYRILLIC THOUSANDS SIGN
0483	ѣ	COMBINING CYRILLIC TITLO • not used with letter titlos → A66F ѣ combining cyrillic vzmet
0484	Ѥ	COMBINING CYRILLIC PALATALIZATION → 033E Ѥ combining vertical tilde
0485	ѥ	COMBINING CYRILLIC DASIA PNEUMATA → 0314 ѥ combining reversed comma above
0486	Ѧ	COMBINING CYRILLIC PSILI PNEUMATA → 0313 Ѧ combining comma above
0487	ѧ	COMBINING CYRILLIC POKRYTIE • used only with letter titlos → 0311 ѧ combining inverted breve → A66F ѧ combining cyrillic vzmet
0488	Ѩ	COMBINING CYRILLIC HUNDRED THOUSANDS SIGN • use 20DD Ѩ for ten thousands sign
0489	ѩ	COMBINING CYRILLIC MILLIONS SIGN → A670 ѩ combining cyrillic ten millions sign

**Extended Cyrillic**

048A	Ѫ	CYRILLIC CAPITAL LETTER SHORT I WITH TAIL
048B	ѫ	CYRILLIC SMALL LETTER SHORT I WITH TAIL • Kildin Sami
048C	Ѭ	CYRILLIC CAPITAL LETTER SEMISOFT SIGN

048D	Ь	CYRILLIC SMALL LETTER SEMISOFT SIGN • Kildin Sami	04AB	Ҹ	CYRILLIC SMALL LETTER ES WITH DESCENDER • Bashkir, Chuvash • letterforms with right hooks are preferred, although occasional variants with left hooks occur • in Chuvashia, letterforms identical to or similar in form to 00E7 Ҹ regularly occur
048E	Ѳ	CYRILLIC CAPITAL LETTER ER WITH TICK	04AC	Ң	CYRILLIC CAPITAL LETTER TE WITH DESCENDER
048F	ѳ	CYRILLIC SMALL LETTER ER WITH TICK • Kildin Sami	04AD	ң	CYRILLIC SMALL LETTER TE WITH DESCENDER • Abkhasian
0490	Ґ	CYRILLIC CAPITAL LETTER GHE WITH UPTURN	04AE	У	CYRILLIC CAPITAL LETTER STRAIGHT U
0491	ґ	CYRILLIC SMALL LETTER GHE WITH UPTURN • Ukrainian	04AF	у	CYRILLIC SMALL LETTER STRAIGHT U • stem is straight, unlike LETTER U • Azerbaijani, Bashkir, ... → 0423 У cyrillic capital letter u
0492	Ғ	CYRILLIC CAPITAL LETTER GHE WITH STROKE	04B0	У̅	CYRILLIC CAPITAL LETTER STRAIGHT U WITH STROKE
0493	ғ	CYRILLIC SMALL LETTER GHE WITH STROKE • Azerbaijani, Bashkir, ... • full bar form preferred over half-barred “F”-type	04B1	у̅	CYRILLIC SMALL LETTER STRAIGHT U WITH STROKE • Kazakh
0494	Ҥ	CYRILLIC CAPITAL LETTER GHE WITH MIDDLE HOOK	04B2	Х	CYRILLIC CAPITAL LETTER HA WITH DESCENDER
0495	ҥ	CYRILLIC SMALL LETTER GHE WITH MIDDLE HOOK • Yakut, older orthographies for Abkhasian	04B3	х	CYRILLIC SMALL LETTER HA WITH DESCENDER • Abkhasian, Tajik, Uzbek
0496	Җ	CYRILLIC CAPITAL LETTER ZHE WITH DESCENDER	04B4	ҢҢ	CYRILLIC CAPITAL LIGATURE TE TSE
0497	җ	CYRILLIC SMALL LETTER ZHE WITH DESCENDER • Tatar, ...	04B5	ңң	CYRILLIC SMALL LIGATURE TE TSE • Abkhasian • this is not a decomposable ligature
0498	З̅	CYRILLIC CAPITAL LETTER ZE WITH DESCENDER	04B6	Ң	CYRILLIC CAPITAL LETTER CHE WITH DESCENDER
0499	з̅	CYRILLIC SMALL LETTER ZE WITH DESCENDER • Bashkir • letterforms with right hooks are preferred, although occasional variants with left hooks occur	04B7	ч	CYRILLIC SMALL LETTER CHE WITH DESCENDER • Abkhasian, Tajik
049A	Қ	CYRILLIC CAPITAL LETTER KA WITH DESCENDER	04B8	Ң	CYRILLIC CAPITAL LETTER CHE WITH VERTICAL STROKE
049B	қ	CYRILLIC SMALL LETTER KA WITH DESCENDER • Abkhasian, Tajik, ...	04B9	ч	CYRILLIC SMALL LETTER CHE WITH VERTICAL STROKE • Azerbaijani
049C	Қ	CYRILLIC CAPITAL LETTER KA WITH VERTICAL STROKE	04BA	Һ	CYRILLIC CAPITAL LETTER SHHA
049D	қ	CYRILLIC SMALL LETTER KA WITH VERTICAL STROKE • Azerbaijani	04BB	һ	CYRILLIC SMALL LETTER SHHA • originally derived from Latin “h”, but uppercase form 04BA Һ is closer to an inverted che (0427 Ч) • Azerbaijani, Bashkir, ... → 0068 Һ latin small letter h
049E	Қ	CYRILLIC CAPITAL LETTER KA WITH STROKE	04BC	Ң	CYRILLIC CAPITAL LETTER ABKHASIAN CHE
049F	қ	CYRILLIC SMALL LETTER KA WITH STROKE • Abkhasian	04BD	ң	CYRILLIC SMALL LETTER ABKHASIAN CHE
04A0	Қ	CYRILLIC CAPITAL LETTER BASHKIR KA	04BE	Ң	CYRILLIC CAPITAL LETTER ABKHASIAN CHE WITH DESCENDER
04A1	қ	CYRILLIC SMALL LETTER BASHKIR KA	04BF	ң	CYRILLIC SMALL LETTER ABKHASIAN CHE WITH DESCENDER • some older Abkhaz fonts show a descender shaped like a right hook (ogonek or reversed comma shape)
04A2	Ң	CYRILLIC CAPITAL LETTER EN WITH DESCENDER	04C0	І	CYRILLIC LETTER PALOCHKA • aspiration sign in many Caucasian languages • is usually not cased, but the formal lowercase is 04CF І → 0049 І latin capital letter i → 0406 І cyrillic capital letter byelorussian-ukrainian i
04A3	ң	CYRILLIC SMALL LETTER EN WITH DESCENDER • Bashkir, ...	04C1	Җ	CYRILLIC CAPITAL LETTER ZHE WITH BREVE ≡ 0416 Ж 0306 ъ
04A4	ҢҢ	CYRILLIC CAPITAL LIGATURE EN GHE			
04A5	ңң	CYRILLIC SMALL LIGATURE EN GHE • Altay, Mari, Yakut • this is not a decomposable ligature			
04A6	Ҥ	CYRILLIC CAPITAL LETTER PE WITH MIDDLE HOOK			
04A7	ҥ	CYRILLIC SMALL LETTER PE WITH MIDDLE HOOK • older orthographies for Abkhasian			
04A8	Ә	CYRILLIC CAPITAL LETTER ABKHASIAN HA			
04A9	ә	CYRILLIC SMALL LETTER ABKHASIAN HA			
04AA	Ҹ	CYRILLIC CAPITAL LETTER ES WITH DESCENDER			

04C2	Ӗ	CYRILLIC SMALL LETTER ZHE WITH BREVE • Moldavian ≡ 0436 Ӗ 0306 Ӗ	04E4	Ӑ	CYRILLIC CAPITAL LETTER I WITH DIAERESIS ≡ 0418 Ӑ 0308 Ӗ
04C3	Ӑ	CYRILLIC CAPITAL LETTER KA WITH HOOK	04E5	ӑ	CYRILLIC SMALL LETTER I WITH DIAERESIS ≡ 0438 ӑ 0308 Ӗ
04C4	ӑ	CYRILLIC SMALL LETTER KA WITH HOOK • Khanty, Chukchi	04E6	Ӓ	CYRILLIC CAPITAL LETTER O WITH DIAERESIS ≡ 041E Ӓ 0308 Ӗ
04C5	Ӓ	CYRILLIC CAPITAL LETTER EL WITH TAIL	04E7	ӓ	CYRILLIC SMALL LETTER O WITH DIAERESIS ≡ 043E ӓ 0308 Ӗ
04C6	ӓ	CYRILLIC SMALL LETTER EL WITH TAIL • Kildin Sami	04E8	Ӕ	CYRILLIC CAPITAL LETTER BARRED O
04C7	Ӕ	CYRILLIC CAPITAL LETTER EN WITH HOOK	04E9	ӕ	CYRILLIC SMALL LETTER BARRED O → 0275 ӕ latin small letter barred o
04C8	ӕ	CYRILLIC SMALL LETTER EN WITH HOOK • Khanty, Chukchi, Nenets	04EA	Ӧ	CYRILLIC CAPITAL LETTER BARRED O WITH DIAERESIS ≡ 04E8 Ӧ 0308 Ӗ
04C9	Ӧ	CYRILLIC CAPITAL LETTER EN WITH TAIL	04EB	ӧ	CYRILLIC SMALL LETTER BARRED O WITH DIAERESIS ≡ 04E9 ӧ 0308 Ӗ
04CA	ӧ	CYRILLIC SMALL LETTER EN WITH TAIL • Kildin Sami	04EC	Ө	CYRILLIC CAPITAL LETTER E WITH DIAERESIS ≡ 042D Ө 0308 Ӗ
04CB	Ө	CYRILLIC CAPITAL LETTER KHAKASSIAN CHE	04ED	ө	CYRILLIC SMALL LETTER E WITH DIAERESIS • Kildin Sami ≡ 044D ө 0308 Ӗ
04CC	ө	CYRILLIC SMALL LETTER KHAKASSIAN CHE	04EE	Ӑ	CYRILLIC CAPITAL LETTER U WITH MACRON ≡ 0423 Ӑ 0304 Ӗ
04CD	Ӑ	CYRILLIC CAPITAL LETTER EM WITH TAIL	04EF	ӑ	CYRILLIC SMALL LETTER U WITH MACRON ≡ 0443 ӑ 0304 Ӗ
04CE	ӑ	CYRILLIC SMALL LETTER EM WITH TAIL • Kildin Sami	04F0	Ӓ	CYRILLIC CAPITAL LETTER U WITH DIAERESIS ≡ 0423 Ӓ 0308 Ӗ
04CF	Ӓ	CYRILLIC SMALL LETTER PALOCHKA	04F1	ӓ	CYRILLIC SMALL LETTER U WITH DIAERESIS ≡ 0443 ӓ 0308 Ӗ
04D0	ӓ	CYRILLIC CAPITAL LETTER A WITH BREVE ≡ 0410 ӓ 0306 Ӗ	04F2	Ӕ	CYRILLIC CAPITAL LETTER U WITH DOUBLE ACUTE ≡ 0423 Ӕ 030B Ӗ
04D1	Ӕ	CYRILLIC SMALL LETTER A WITH BREVE ≡ 0430 Ӕ 0306 Ӗ	04F3	ӕ	CYRILLIC SMALL LETTER U WITH DOUBLE ACUTE ≡ 0443 ӕ 030B Ӗ
04D2	Ӗ	CYRILLIC CAPITAL LETTER A WITH DIAERESIS ≡ 0410 Ӗ 0308 Ӗ	04F4	Ӧ	CYRILLIC CAPITAL LETTER CHE WITH DIAERESIS ≡ 0427 Ӧ 0308 Ӗ
04D3	Ӧ	CYRILLIC SMALL LETTER A WITH DIAERESIS ≡ 0430 Ӧ 0308 Ӗ	04F5	ӧ	CYRILLIC SMALL LETTER CHE WITH DIAERESIS ≡ 0447 ӧ 0308 Ӗ
04D4	Ӑ	CYRILLIC CAPITAL LIGATURE A IE	04F6	Ө	CYRILLIC CAPITAL LETTER GHE WITH DESCENDER
04D5	ӑ	CYRILLIC SMALL LIGATURE A IE • this is not a decomposable ligature → 00E6 ӑ latin small letter ae	04F7	ө	CYRILLIC SMALL LETTER GHE WITH DESCENDER • Yupik
04D6	Ӓ	CYRILLIC CAPITAL LETTER IE WITH BREVE ≡ 0415 Ӓ 0306 Ӗ	04F8	Ӑ	CYRILLIC CAPITAL LETTER YERU WITH DIAERESIS ≡ 042B Ӑ 0308 Ӗ
04D7	ӓ	CYRILLIC SMALL LETTER IE WITH BREVE ≡ 0435 ӓ 0306 Ӗ	04F9	ӑ	CYRILLIC SMALL LETTER YERU WITH DIAERESIS ≡ 044B ӑ 0308 Ӗ
04D8	Ӕ	CYRILLIC CAPITAL LETTER SCHWA	<b>Additions for Nivkh</b>		
04D9	ӕ	CYRILLIC SMALL LETTER SCHWA → 0259 ӕ latin small letter schwa	04FA	Ӧ	CYRILLIC CAPITAL LETTER GHE WITH STROKE AND HOOK
04DA	Ӧ	CYRILLIC CAPITAL LETTER SCHWA WITH DIAERESIS ≡ 04D8 Ӧ 0308 Ӗ	04FB	ӧ	CYRILLIC SMALL LETTER GHE WITH STROKE AND HOOK
04DB	ӧ	CYRILLIC SMALL LETTER SCHWA WITH DIAERESIS ≡ 04D9 ӧ 0308 Ӗ	04FC	Ө	CYRILLIC CAPITAL LETTER HA WITH HOOK
04DC	Ӗ	CYRILLIC CAPITAL LETTER ZHE WITH DIAERESIS ≡ 0416 Ӗ 0308 Ӗ	04FD	ө	CYRILLIC SMALL LETTER HA WITH HOOK
04DD	Ӧ	CYRILLIC SMALL LETTER ZHE WITH DIAERESIS ≡ 0436 Ӧ 0308 Ӗ	04FE	Ӑ	CYRILLIC CAPITAL LETTER HA WITH STROKE
04DE	Ӑ	CYRILLIC CAPITAL LETTER ZE WITH DIAERESIS ≡ 0417 Ӑ 0308 Ӗ	04FF	ӑ	CYRILLIC SMALL LETTER HA WITH STROKE
04DF	ӑ	CYRILLIC SMALL LETTER ZE WITH DIAERESIS ≡ 0437 ӑ 0308 Ӗ			
04E0	Ӓ	CYRILLIC CAPITAL LETTER ABKHASIAN DZE			
04E1	ӓ	CYRILLIC SMALL LETTER ABKHASIAN DZE → 0292 ӓ latin small letter ezh			
04E2	Ӑ	CYRILLIC CAPITAL LETTER I WITH MACRON ≡ 0418 Ӑ 0304 Ӗ			
04E3	ӑ	CYRILLIC SMALL LETTER I WITH MACRON ≡ 0438 ӑ 0304 Ӗ			

	050	051	052
0	Д 0500	Е 0510	Љ 0520
1	д 0501	е 0511	љ 0521
2	Ђ 0502	Ј 0512	Ћ 0522
3	ђ 0503	ј 0513	ћ 0523
4	Ѓ 0504	ЈХ 0514	Ц 0524
5	ѓ 0505	ЈХ 0515	Ц 0525
6	Ѕ 0506	Р 0516	
7	ѕ 0507	р 0517	
8	Љ 0508	ЈЕ 0518	
9	љ 0509	је 0519	
A	Н 050A	О 051A	
B	н 050B	о 051B	
C	Г 050C	В 051C	
D	г 050D	в 051D	
E	Т 050E	К 051E	
F	т 050F	к 051F	

**Komi letters**

0500	Ӏ	CYRILLIC CAPITAL LETTER KOMI DE
0501	Ӂ	CYRILLIC SMALL LETTER KOMI DE
0502	ӂ	CYRILLIC CAPITAL LETTER KOMI DJE
0503	Ӄ	CYRILLIC SMALL LETTER KOMI DJE
0504	ӄ	CYRILLIC CAPITAL LETTER KOMI ZJE
0505	Ӆ	CYRILLIC SMALL LETTER KOMI ZJE
0506	ӆ	CYRILLIC CAPITAL LETTER KOMI DZJE
0507	Ӈ	CYRILLIC SMALL LETTER KOMI DZJE
0508	ӈ	CYRILLIC CAPITAL LETTER KOMI LJE
0509	Ӊ	CYRILLIC SMALL LETTER KOMI LJE
050A	ӊ	CYRILLIC CAPITAL LETTER KOMI NJE
050B	Ӌ	CYRILLIC SMALL LETTER KOMI NJE
050C	ӌ	CYRILLIC CAPITAL LETTER KOMI SJE
050D	Ӎ	CYRILLIC SMALL LETTER KOMI SJE
050E	ӎ	CYRILLIC CAPITAL LETTER KOMI TJE
050F	ӏ	CYRILLIC SMALL LETTER KOMI TJE

**Cyrillic extensions**

0510	Ӑ	CYRILLIC CAPITAL LETTER REVERSED ZE
0511	ӑ	CYRILLIC SMALL LETTER REVERSED ZE
		• Enets, Khanty
0512	Ӓ	CYRILLIC CAPITAL LETTER EL WITH HOOK
0513	ӓ	CYRILLIC SMALL LETTER EL WITH HOOK
		• Chukchi, Itelmen, Khanty

**Mordvin letters**

0514	Ӕ	CYRILLIC CAPITAL LETTER LHA
0515	ӕ	CYRILLIC SMALL LETTER LHA
		= voiceless l
0516	Ӧ	CYRILLIC CAPITAL LETTER RHA
0517	ӧ	CYRILLIC SMALL LETTER RHA
		= voiceless r
0518	Ө	CYRILLIC CAPITAL LETTER YAE
0519	ө	CYRILLIC SMALL LETTER YAE

**Kurdish letters**

051A	Q	CYRILLIC CAPITAL LETTER QA
051B	q	CYRILLIC SMALL LETTER QA
051C	W	CYRILLIC CAPITAL LETTER WE
051D	w	CYRILLIC SMALL LETTER WE

**Aleut letter**

051E	К	CYRILLIC CAPITAL LETTER ALEUT KA
051F	к	CYRILLIC SMALL LETTER ALEUT KA
		• used for [q] in Aleut

**Chuvash letters**











*These are obsolete letters formerly used in Jakovlev's Chuvash orthography.*

0520	Ӑ	CYRILLIC CAPITAL LETTER EL WITH MIDDLE HOOK
0521	ӑ	CYRILLIC SMALL LETTER EL WITH MIDDLE HOOK
		= palatalized l
0522	Ӓ	CYRILLIC CAPITAL LETTER EN WITH MIDDLE HOOK
0523	ӓ	CYRILLIC SMALL LETTER EN WITH MIDDLE HOOK
		= palatalized n

**Abkhaz letters**

0524	Ӕ	CYRILLIC CAPITAL LETTER PE WITH DESCENDER
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0525	ӕ	CYRILLIC SMALL LETTER PE WITH DESCENDER
		• used in modern Abkhaz orthography
		→ 04A7 ӕ cyrillic small letter pe with middle hook

	053	054	055	056	057	058
0		Հ 0540	Ր 0550		Տ 0570	Ր 0580
1	Ա 0531	Չ 0541	Յ 0551	Մ 0561	Ճ 0571	Գ 0581
2	Բ 0532	Ղ 0542	Ի 0552	Բ 0562	Պ 0572	Լ 0582
3	Գ 0533	Ճ 0543	Փ 0553	Գ 0563	Ճ 0573	Վ 0583
4	Դ 0534	Մ 0544	Ք 0554	Դ 0564	Մ 0574	Ք 0584
5	Ե 0535	Յ 0545	Օ 0555	Ե 0565	Ե 0575	Օ 0585
6	Զ 0536	Ն 0546	Ֆ 0556	Զ 0566	Ն 0576	Ֆ 0586
7	Է 0537	Շ 0547		Է 0567	Ղ 0577	Լ 0587
8	Ը 0538	Ո 0548		Ը 0568	Ո 0578	
9	Թ 0539	Չ 0549	՛ 0559	Թ 0569	Ղ 0579	՝ 0589
A	Ժ 053A	Պ 054A	՛ 055A	Ժ 056A	Մ 057A	՛ 058A
B	Ի 053B	Չ 054B	՛ 055B	Ի 056B	Չ 057B	
C	Լ 053C	Ռ 054C	~ 055C	Լ 056C	Ռ 057C	
D	Խ 053D	Մ 054D	՛ 055D	Խ 056D	Մ 057D	
E	Օ 053E	Վ 054E	՛ 055E	Օ 056E	Վ 057E	
F	Կ 053F	Տ 054F	՛ 055F	Կ 056F	Մ 057F	

**Uppercase letters**

0531	Ա	ARMENIAN CAPITAL LETTER AYB
0532	Բ	ARMENIAN CAPITAL LETTER BEN
0533	Գ	ARMENIAN CAPITAL LETTER GIM
0534	Դ	ARMENIAN CAPITAL LETTER DA
0535	Ե	ARMENIAN CAPITAL LETTER ECH
0536	Զ	ARMENIAN CAPITAL LETTER ZA
0537	Է	ARMENIAN CAPITAL LETTER EH
0538	Ը	ARMENIAN CAPITAL LETTER ET
0539	Թ	ARMENIAN CAPITAL LETTER TO
053A	Ճ	ARMENIAN CAPITAL LETTER ZHE
053B	Ի	ARMENIAN CAPITAL LETTER INI
053C	Լ	ARMENIAN CAPITAL LETTER LIWN
053D	Խ	ARMENIAN CAPITAL LETTER XEH
053E	Վ	ARMENIAN CAPITAL LETTER CA
053F	Կ	ARMENIAN CAPITAL LETTER KEN
0540	Հ	ARMENIAN CAPITAL LETTER HO
0541	Ջ	ARMENIAN CAPITAL LETTER JA
0542	Ղ	ARMENIAN CAPITAL LETTER GHAD
0543	Ճ	ARMENIAN CAPITAL LETTER CHEH
0544	Մ	ARMENIAN CAPITAL LETTER MEN
0545	ԅ	ARMENIAN CAPITAL LETTER YI
0546	Ն	ARMENIAN CAPITAL LETTER NOW
0547	Շ	ARMENIAN CAPITAL LETTER SHA
0548	Ո	ARMENIAN CAPITAL LETTER VO
0549	Չ	ARMENIAN CAPITAL LETTER CHA
054A	Պ	ARMENIAN CAPITAL LETTER PEH
054B	Ջ	ARMENIAN CAPITAL LETTER JHEH
054C	Ռ	ARMENIAN CAPITAL LETTER RA
054D	Ս	ARMENIAN CAPITAL LETTER SEH
054E	Վ	ARMENIAN CAPITAL LETTER VEW
054F	Տ	ARMENIAN CAPITAL LETTER TIWN
0550	Ր	ARMENIAN CAPITAL LETTER REH
0551	Ց	ARMENIAN CAPITAL LETTER CO
0552	Ի	ARMENIAN CAPITAL LETTER YIWN
0553	Փ	ARMENIAN CAPITAL LETTER PIWR
0554	Ք	ARMENIAN CAPITAL LETTER KEH
0555	Օ	ARMENIAN CAPITAL LETTER OH
0556	Ֆ	ARMENIAN CAPITAL LETTER FEH

**Modifier letters**

0559	՛	ARMENIAN MODIFIER LETTER LEFT HALF RING → 02BD ՛ modifier letter reversed comma → 02BF ՛ modifier letter left half ring → 0314 ՝ combining reversed comma above
055A	՛	ARMENIAN APOSTROPHE = armenian modifier letter right half ring (1.0) → 02BC ՛ modifier letter apostrophe → 02BE ՛ modifier letter right half ring → 0313 ՝ combining comma above
055B	՛	ARMENIAN EMPHASIS MARK = shesht → 02CA ՛ modifier letter acute accent
055C	~	ARMENIAN EXCLAMATION MARK = batsaganchakan nshan
055D	՛	ARMENIAN COMMA = bowt → 02CB ՛ modifier letter grave accent
055E	՞	ARMENIAN QUESTION MARK = hartsakan nshan
055F	՛	ARMENIAN ABBREVIATION MARK = patiw

**Lowercase letters**

0561	ա	ARMENIAN SMALL LETTER AYB
0562	բ	ARMENIAN SMALL LETTER BEN
0563	գ	ARMENIAN SMALL LETTER GIM
0564	դ	ARMENIAN SMALL LETTER DA
0565	ե	ARMENIAN SMALL LETTER ECH
0566	զ	ARMENIAN SMALL LETTER ZA
0567	է	ARMENIAN SMALL LETTER EH
0568	ը	ARMENIAN SMALL LETTER ET
0569	թ	ARMENIAN SMALL LETTER TO
056A	ճ	ARMENIAN SMALL LETTER ZHE
056B	ի	ARMENIAN SMALL LETTER INI
056C	լ	ARMENIAN SMALL LETTER LIWN
056D	խ	ARMENIAN SMALL LETTER XEH
056E	վ	ARMENIAN SMALL LETTER CA
056F	կ	ARMENIAN SMALL LETTER KEN
0570	հ	ARMENIAN SMALL LETTER HO
0571	ձ	ARMENIAN SMALL LETTER JA
0572	ղ	ARMENIAN SMALL LETTER GHAD
0573	ճ	ARMENIAN SMALL LETTER CHEH
0574	մ	ARMENIAN SMALL LETTER MEN
0575	յ	ARMENIAN SMALL LETTER YI
0576	ն	ARMENIAN SMALL LETTER NOW
0577	շ	ARMENIAN SMALL LETTER SHA
0578	ո	ARMENIAN SMALL LETTER VO
0579	չ	ARMENIAN SMALL LETTER CHA
057A	պ	ARMENIAN SMALL LETTER PEH
057B	Ջ	ARMENIAN SMALL LETTER JHEH
057C	ր	ARMENIAN SMALL LETTER RA
057D	ս	ARMENIAN SMALL LETTER SEH
057E	վ	ARMENIAN SMALL LETTER VEW
057F	տ	ARMENIAN SMALL LETTER TIWN
0580	ր	ARMENIAN SMALL LETTER REH
0581	ց	ARMENIAN SMALL LETTER CO
0582	լ	ARMENIAN SMALL LETTER YIWN
0583	փ	ARMENIAN SMALL LETTER PIWR
0584	ք	ARMENIAN SMALL LETTER KEH
0585	օ	ARMENIAN SMALL LETTER OH
0586	ֆ	ARMENIAN SMALL LETTER FEH
0587	և	ARMENIAN SMALL LIGATURE ECH YIWN ≈ 0565 ե 0582 լ

**Punctuation**

0589	:	ARMENIAN FULL STOP = vertsaket • may also be used for Georgian → 003A : colon
058A	և	ARMENIAN HYPHEN = yentamna

	059	05A	05B	05C	05D	05E	05F
0		◌̇ 05A0	◌̈ 05B0	◌̉ 05C0	א 05D0	ב 05E0	וּ 05F0
1	◌̇ 0591	◌̈ 05A1	◌̉ 05B1	◌̊ 05C1	בּ 05D1	ס 05E1	וִי 05F1
2	◌̇ 0592	◌̈ 05A2	◌̉ 05B2	◌̊ 05C2	ג 05D2	ע 05E2	יִי 05F2
3	◌̇ 0593	◌̈ 05A3	◌̉ 05B3	◌̊ 05C3	ד 05D3	ף 05E3	' 05F3
4	◌̇ 0594	◌̈ 05A4	◌̉ 05B4	◌̊ 05C4	ה 05D4	פ 05E4	" 05F4
5	◌̇ 0595	◌̈ 05A5	◌̉ 05B5	◌̊ 05C5	ו 05D5	ץ 05E5	
6	◌̇ 0596	◌̈ 05A6	◌̉ 05B6	◌̊ 05C6	ז 05D6	צ 05E6	
7	◌̇ 0597	◌̈ 05A7	◌̉ 05B7	◌̊ 05C7	ח 05D7	ק 05E7	
8	◌̇ 0598	◌̈ 05A8	◌̉ 05B8		ט 05D8	ר 05E8	
9	◌̇ 0599	◌̈ 05A9	◌̉ 05B9		י 05D9	ש 05E9	
A	◌̇ 059A	◌̈ 05AA	◌̉ 05BA		ך 05DA	ת 05EA	
B	◌̇ 059B	◌̈ 05AB	◌̉ 05BB		ט 05DB		
C	◌̇ 059C	◌̈ 05AC	◌̉ 05BC		ל 05DC		
D	◌̇ 059D	◌̈ 05AD	◌̉ 05BD		ם 05DD		
E	◌̇ 059E	◌̈ 05AE	◌̉ 05BE		נ 05DE		
F	◌̇ 059F	◌̈ 05AF	◌̉ 05BF		ז 05DF		



**Cantillation marks**

0591	◌ֻ	HEBREW ACCENT ETNAHTA = atnah
0592	◌ֿ	HEBREW ACCENT SEGOL = segolta
0593	◌ִ	HEBREW ACCENT SHALSHELET
0594	◌ֵ	HEBREW ACCENT ZAQEF QATAN
0595	◌ֶ	HEBREW ACCENT ZAQEF GADOL
0596	◌ִ	HEBREW ACCENT TIPEHA = tarha, me'ayla ~ mayla
0597	◌ִ	HEBREW ACCENT REVIA
0598	◌ִ	HEBREW ACCENT ZARQA = tsinorit, zinorit; tsinor, zinor • This character is to be used when Zarqa or Tsinor are placed above, and also for Tsinorit. → 05AE ◌ִ hebrew accent zinor
0599	◌ִ	HEBREW ACCENT PASHTA
059A	◌ִ	HEBREW ACCENT YETIV
059B	◌ִ	HEBREW ACCENT TEVIR
059C	◌ִ	HEBREW ACCENT GERESH = teres
059D	◌ִ	HEBREW ACCENT GERESH MUQDAM
059E	◌ִ	HEBREW ACCENT GERSHAYIM
059F	◌ִ	HEBREW ACCENT QARNEY PARA = pazer gadol
05A0	◌ִ	HEBREW ACCENT TELISHA GEDOLA
05A1	◌ִ	HEBREW ACCENT PAZER = pazer qatan
05A2	◌ִ	HEBREW ACCENT ATNAH HAFUKH → 05AA ◌ִ hebrew accent yerah ben yomo
05A3	◌ִ	HEBREW ACCENT MUNAH
05A4	◌ִ	HEBREW ACCENT MAHAPAKH
05A5	◌ִ	HEBREW ACCENT MERKHA = yored
05A6	◌ִ	HEBREW ACCENT MERKHA KEFULA
05A7	◌ִ	HEBREW ACCENT DARGA
05A8	◌ִ	HEBREW ACCENT QADMA = azla
05A9	◌ִ	HEBREW ACCENT TELISHA QETANA
05AA	◌ִ	HEBREW ACCENT YERAH BEN YOMO = galgal → 05A2 ◌ִ hebrew accent atnah hafukh
05AB	◌ִ	HEBREW ACCENT OLE
05AC	◌ִ	HEBREW ACCENT ILUY
05AD	◌ִ	HEBREW ACCENT DEHI
05AE	◌ִ	HEBREW ACCENT ZINOR = tsinor; zarqa • This character is to be used when Zarqa or Tsinor are placed above left. → 0598 ◌ִ hebrew accent zarqa
05AF	◌ִ	HEBREW MARK MASORA CIRCLE

**Points and punctuation**

05B0	◌ִ	HEBREW POINT SHEVA
05B1	◌ֵ	HEBREW POINT HATAF SEGOL
05B2	◌ֶ	HEBREW POINT HATAF PATAH
05B3	◌ִ	HEBREW POINT HATAF QAMATS
05B4	◌ִ	HEBREW POINT HIRIQ
05B5	◌ֵ	HEBREW POINT TSERE
05B6	◌ֶ	HEBREW POINT SEGOL
05B7	◌ֶ	HEBREW POINT PATAH •furtive patah is not a distinct character

05B8	◌ִ	HEBREW POINT QAMATS • used generically or as qamats gadol in orthography which distinguishes that from qamats qatan → 05C7 ◌ִ hebrew point qamats qatan
05B9	◌ִ	HEBREW POINT HOLAM
05BA	◌ִ	HEBREW POINT HOLAM HASER FOR VAV
05BB	◌ִ	HEBREW POINT QUBUTS
05BC	◌ִ	HEBREW POINT DAGESH OR MAPIQ = shuruq • falls within the base letter
05BD	◌ִ	HEBREW POINT METEG = siluq • may be used as a Hebrew accent sof pasuq
05BE	◌ִ	HEBREW PUNCTUATION MAQAF
05BF	◌ִ	HEBREW POINT RAFE → FB1E ◌ִ hebrew point judeo-spanish varika
05C0	◌ִ	HEBREW PUNCTUATION PASEQ = legarmeh • may be treated as spacing punctuation, not as a point → 007C   vertical line
05C1	◌ִ	HEBREW POINT SHIN DOT
05C2	◌ִ	HEBREW POINT SIN DOT
05C3	:	HEBREW PUNCTUATION SOF PASUQ • may be used as a Hebrew punctuation colon → 003A : colon

**Puncta extraordinaria**

05C4	◌ִ	HEBREW MARK UPPER DOT
05C5	◌ִ	HEBREW MARK LOWER DOT • punctum extraordinarium (Psalms 27:13) → 05B4 ◌ִ hebrew point hiriq

**Points and punctuation**

05C6	◌ִ	HEBREW PUNCTUATION NUN HAFUKHA • does not historically derive from the letter nun → 05E0 ◌ִ hebrew letter nun
05C7	◌ִ	HEBREW POINT QAMATS QATAN → 05B8 ◌ִ hebrew point qamats

**Based on ISO 8859-8**

05D0	א	HEBREW LETTER ALEF = aleph → 2135 א alef symbol
05D1	ב	HEBREW LETTER BET → 2136 ב bet symbol
05D2	ג	HEBREW LETTER GIMEL → 2137 ג gimel symbol
05D3	ד	HEBREW LETTER DALET → 2138 ד dalet symbol
05D4	ה	HEBREW LETTER HE
05D5	ו	HEBREW LETTER VAV
05D6	ז	HEBREW LETTER ZAYIN
05D7	ח	HEBREW LETTER HET
05D8	ט	HEBREW LETTER TET
05D9	י	HEBREW LETTER YOD
05DA	ך	HEBREW LETTER FINAL KAF
05DB	כ	HEBREW LETTER KAF
05DC	ל	HEBREW LETTER LAMED
05DD	מ	HEBREW LETTER FINAL MEM
05DE	מ	HEBREW LETTER MEM
05DF	נ	HEBREW LETTER FINAL NUN
05E0	נ	HEBREW LETTER NUN

05E1 ם HEBREW LETTER SAMEKH  
 05E2 ע HEBREW LETTER AYIN  
 05E3 ף HEBREW LETTER FINAL PE  
 05E4 פ HEBREW LETTER PE  
 05E5 ץ HEBREW LETTER FINAL TSADI  
 05E6 צ HEBREW LETTER TSADI  
     = zade  
 05E7 ק HEBREW LETTER QOF  
 05E8 ר HEBREW LETTER RESH  
 05E9 ש HEBREW LETTER SHIN  
 05EA ת HEBREW LETTER TAV

**Yiddish digraphs**

05F0 װ HEBREW LIGATURE YIDDISH DOUBLE VAV  
     = tsvey vovn  
 05F1 װי HEBREW LIGATURE YIDDISH VAV YOD  
 05F2 װײ HEBREW LIGATURE YIDDISH DOUBLE YOD  
     = tsvey yudn

**Additional punctuation**

05F3 ' HEBREW PUNCTUATION GERESH  
 05F4 " HEBREW PUNCTUATION GERSHAYIM

	060	061	062	063	064	065	066	067	068	069	06A	06B	06C	06D	06E	06F
0				ذ	-		٠		پ	ت	ث	گ	ه	پ		٠
1			ء	ر	ف		١	أ	ع	ر	ف	گ	ه	پ		١
2			آ	ز	ق		٢	أ	خ	ز	ب	گ	ه	ل		٢
3			أ	س	ك		٣	إ	ح	ر	ب	گ	ت	ل		٣
4			ش	ل		٤	ء	ج	ر	ف	گ	و	-		٤	
5			ص	م		٥	أ	خ	ر	پ	ل	و	ه	ر	٥	
6			مى	ض	ن		٦	و	چ	ر	ق	ن	و		٦	
7			ا	ط	ه		٧	و	چ	ز	ف	ث	و			٧
8			ب	ظ	و		٨	مى	د	ث	ق	پ	و			٨
9			ة	ع	ى		٩	ط	د	ث	ك	ن	و			٩
A			ت	غ	ي			ن	ب	ب	ك	ن	ق			بش
B			ث	ك			ر	پ	ب	پ	ك	ن	ق			ض
C	،		ج	ك			،	ت	ت	ث	ك	ن	ى			غ
D	،		ح	مى			★	ت	د	ص	ك	ن	مى			ه
E	م	،	خ	تى			ب	پ	ث	ض	ك	ه	مى			م
F		؟	د	ثى			و	ث	ت	ظ	گ	خ	و			ه

**Subtending marks**

0600	◌۰	ARABIC NUMBER SIGN
0601	◌۱	ARABIC SIGN SANAH
0602	◌۲	ARABIC FOOTNOTE MARKER
0603	◌۳	ARABIC SIGN SAFHA

**Radix symbols**

0606	√	ARABIC-INDIC CUBE ROOT → 221B √ cube root
0607	∜	ARABIC-INDIC FOURTH ROOT → 221C ∜ fourth root

**Letterlike symbol**

0608	۰	ARABIC RAY
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**Punctuation**

0609	‰	ARABIC-INDIC PER MILLE SIGN → 2030 ‰ per mille sign
060A	‱	ARABIC-INDIC PER TEN THOUSAND SIGN → 2031 ‱ per ten thousand sign

**Currency sign**

060B	؀	AFGHANI SIGN
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**Punctuation**

060C	؁	ARABIC COMMA • also used with Thaana and Syriac in modern text → 002C , comma
060D	؂	ARABIC DATE SEPARATOR

**Poetic marks**

060E	؃	ARABIC POETIC VERSE SIGN
060F	؄	ARABIC SIGN MISRA

**Honorifics**

0610	◌۞	ARABIC SIGN SALLALLAHOU ALAYHE WASSALLAM • represents sallallahu alayhe wasallam “may God’s peace and blessings be upon him”
0611	◌۟	ARABIC SIGN ALAYHE ASSALLAM • represents alayhe assalam “upon him be peace”
0612	◌۠	ARABIC SIGN RAHMATULLAH ALAYHE • represents rahmatullah alayhe “may God have mercy upon him”
0613	◌ۡ	ARABIC SIGN RADI ALLAHOU ANHU • represents radi allahu ’anhu “may God be pleased with him”
0614	◌ۢ	ARABIC SIGN TAKHALLUS • sign placed over the name or nom-de-plume of a poet, or in some writings used to mark all proper names

**Koranic annotation sign**

0615	◌ۣ	ARABIC SMALL HIGH TAH • marks a recommended pause position in some Korans published in Iran and Pakistan • should not be confused with the small TAH sign used as a diacritic for some letters such as ۣ
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**Extended Arabic mark**

0616	◌ۤ	ARABIC SMALL HIGH LIGATURE ALEF WITH LAM WITH YEH • early Persian
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**Koranic annotation signs**

0617	◌ۥ	ARABIC SMALL HIGH ZAIN
0618	◌ۦ	ARABIC SMALL FATHA • should not be confused with 064E ◌ۦ FATHA
0619	◌ۧ	ARABIC SMALL DAMMA • should not be confused with 064F ◌ۧ DAMMA
061A	◌ۨ	ARABIC SMALL KASRA • should not be confused with 0650 ◌ۨ KASRA

**Punctuation**

061B	؛	ARABIC SEMICOLON • also used with Thaana and Syriac in modern text → 003B ; semicolon
061C	◌۩	<reserved>
061D	◌۪	<reserved>
061E	◌۫	ARABIC TRIPLE DOT PUNCTUATION MARK
061F	◌۬	ARABIC QUESTION MARK • also used with Thaana and Syriac in modern text → 003F ? question mark → 2E2E ؟ reversed question mark

**Based on ISO 8859-6**

0621	ء	ARABIC LETTER HAMZA → 02BE ʾ modifier letter right half ring
0622	آ	ARABIC LETTER ALEF WITH MADDA ABOVE ≡ 0627 <sup>1</sup> 0653 ٱ
0623	أ	ARABIC LETTER ALEF WITH HAMZA ABOVE ≡ 0627 <sup>1</sup> 0654 ٱ
0624	ؤ	ARABIC LETTER WAW WITH HAMZA ABOVE ≡ 0648 ۷ 0654 ٱ
0625	إ	ARABIC LETTER ALEF WITH HAMZA BELOW ≡ 0627 <sup>1</sup> 0655 ۶
0626	ئ	ARABIC LETTER YEH WITH HAMZA ABOVE ≡ 064A ۸ 0654 ٱ
0627	ا	ARABIC LETTER ALEF
0628	ب	ARABIC LETTER BEH
0629	ت	ARABIC LETTER TEH MARBUTA
062A	ث	ARABIC LETTER TEH
062B	ث	ARABIC LETTER THEH
062C	ج	ARABIC LETTER JEEM
062D	ح	ARABIC LETTER HAH
062E	خ	ARABIC LETTER KHAH
062F	د	ARABIC LETTER DAL
0630	ذ	ARABIC LETTER THAL
0631	ر	ARABIC LETTER REH
0632	ز	ARABIC LETTER ZAIN
0633	س	ARABIC LETTER SEEN
0634	ش	ARABIC LETTER SHEEN
0635	ص	ARABIC LETTER SAD
0636	ض	ARABIC LETTER DAD
0637	ط	ARABIC LETTER TAH
0638	ظ	ARABIC LETTER ZAH
0639	ع	ARABIC LETTER AIN → 01B9 ع latin small letter ezh reversed → 02BF ʿ modifier letter left half ring
063A	غ	ARABIC LETTER GHAIN
<b>Additions for early Persian and Azerbaijani</b>		
063B	ڪ	ARABIC LETTER KEHEH WITH TWO DOTS ABOVE
063C	ک	ARABIC LETTER KEHEH WITH THREE DOTS BELOW

- 063D عى ARABIC LETTER FARSI YEH WITH INVERTED V  
• Azerbaijani
- 063E عى ARABIC LETTER FARSI YEH WITH TWO DOTS ABOVE
- 063F عى ARABIC LETTER FARSI YEH WITH THREE DOTS ABOVE

**Based on ISO 8859-6**

- 0640 - ARABIC TATWEEL  
= kashida  
• inserted to stretch characters  
• also used with Syriac
- 0641 ف ARABIC LETTER FEH
- 0642 ق ARABIC LETTER QAF
- 0643 ك ARABIC LETTER KAF
- 0644 ل ARABIC LETTER LAM
- 0645 م ARABIC LETTER MEEM
- 0646 ن ARABIC LETTER NOON
- 0647 ه ARABIC LETTER HEH
- 0648 و ARABIC LETTER WAW
- 0649 عى ARABIC LETTER ALEF MAKSURA  
• represents YEH-shaped letter with no dots in any positional form

- 064A ي ARABIC LETTER YEH

**Points from ISO 8859-6**

- 064B ٲ ARABIC FATHATAN
- 064C ٴ ARABIC DAMMATAN
- 064D ٶ ARABIC KASRATAN
- 064E ٸ ARABIC FATHA
- 064F ٺ ARABIC DAMMA
- 0650 ټ ARABIC KASRA
- 0651 ٽ ARABIC SHADDA
- 0652 ٿ ARABIC SUKUN  
• marks absence of a vowel after the base consonant  
• used in some Korans to mark a long vowel as ignored  
• can have a variety of shapes, including a circular one and a shape that looks like ‘ٿ’  
→ 06E1 ٿ arabic small high dotless head of khah

**Combining maddah and hamza**

- 0653 ٻ ARABIC MADDAH ABOVE
- 0654 ټ ARABIC HAMZA ABOVE
- 0655 ٽ ARABIC HAMZA BELOW

**Other combining marks**

- 0656 ٿ ARABIC SUBSCRIPT ALEF
- 0657 ٺ ARABIC INVERTED DAMMA  
= ulfa pesh  
• Kashmiri, Urdu
- 0658 ٽ ARABIC MARK NOON GHUNNA  
• Kashmiri and Baluchi  
• indicates nasalization in Urdu
- 0659 ٻ ARABIC ZWARAKAY  
• Pashto
- 065A ٻ ARABIC VOWEL SIGN SMALL V ABOVE  
• African languages
- 065B ٻ ARABIC VOWEL SIGN INVERTED SMALL V ABOVE  
• African languages
- 065C ٻ ARABIC VOWEL SIGN DOT BELOW  
• African languages

- 065D ٻ ARABIC REVERSED DAMMA  
• Ormuri, African languages
- 065E ٻ ARABIC FATHA WITH TWO DOTS  
• Kalami

**Arabic-Indic digits**

*These digits are used with Arabic proper; for languages of Iran, Pakistan, and India, see the Eastern Arabic-Indic digits at 06F0..06F9.*

- 0660 ٠ ARABIC-INDIC DIGIT ZERO
- 0661 ١ ARABIC-INDIC DIGIT ONE
- 0662 ٢ ARABIC-INDIC DIGIT TWO
- 0663 ٣ ARABIC-INDIC DIGIT THREE
- 0664 ٤ ARABIC-INDIC DIGIT FOUR
- 0665 ٥ ARABIC-INDIC DIGIT FIVE
- 0666 ٦ ARABIC-INDIC DIGIT SIX
- 0667 ٧ ARABIC-INDIC DIGIT SEVEN
- 0668 ٨ ARABIC-INDIC DIGIT EIGHT
- 0669 ٩ ARABIC-INDIC DIGIT NINE

**Punctuation**

- 066A ٪ ARABIC PERCENT SIGN  
→ 0025 % percent sign
- 066B ٫ ARABIC DECIMAL SEPARATOR
- 066C ٫ ARABIC THOUSANDS SEPARATOR  
→ 0027 ' apostrophe  
→ 2019 ’ right single quotation mark
- 066D \* ARABIC FIVE POINTED STAR  
• appearance rather variable  
→ 002A \* asterisk

**Archaic letters**

- 066E ٷ ARABIC LETTER DOTLESS BEH
- 066F ٸ ARABIC LETTER DOTLESS QAF

**Point**






- 0670 ٲ ARABIC LETTER SUPERSCRIPIT ALEF  
• actually a vowel sign, despite the name

**Extended Arabic letters**


- 0671 ٲ ARABIC LETTER ALEF WASLA  
• Koranic Arabic
- 0672 ٲ ARABIC LETTER ALEF WITH WAVY HAMZA ABOVE  
• Baluchi, Kashmiri
- 0673 ٲ ARABIC LETTER ALEF WITH WAVY HAMZA BELOW  
• Kashmiri
- 0674 \* ARABIC LETTER HIGH HAMZA  
• Kazakh  
• forms digraphs
- 0675 ٲ ARABIC LETTER HIGH HAMZA ALEF  
• Kazakh  
≈ 0627 ٲ 0674 \*
- 0676 ٲ ARABIC LETTER HIGH HAMZA WAW  
• Kazakh  
≈ 0648 ٲ 0674 \*
- 0677 ٲ ARABIC LETTER U WITH HAMZA ABOVE  
• Kazakh  
≈ 06C7 ٲ 0674 \*
- 0678 عى ARABIC LETTER HIGH HAMZA YEH  
• Kazakh  
≈ 064A عى 0674 \*

0679	ت	ARABIC LETTER TTEH • Urdu	0695	ر	ARABIC LETTER REH WITH SMALL V BELOW • Kurdish
067A	ت	ARABIC LETTER TTEHEH • Sindhi	0696	ر	ARABIC LETTER REH WITH DOT BELOW AND DOT ABOVE • Pashto
067B	ر	ARABIC LETTER BEEH • Sindhi	0697	ز	ARABIC LETTER REH WITH TWO DOTS ABOVE • Dargwa
067C	ر	ARABIC LETTER TEH WITH RING • Pashto	0698	ژ	ARABIC LETTER JEH • Persian, Urdu, ...
067D	ت	ARABIC LETTER TEH WITH THREE DOTS ABOVE DOWNWARDS • Sindhi	0699	ژ	ARABIC LETTER REH WITH FOUR DOTS ABOVE • Sindhi
067E	پ	ARABIC LETTER PEH • Persian, Urdu, ...	069A	پ	ARABIC LETTER SEEN WITH DOT BELOW AND DOT ABOVE • Pashto
067F	ت	ARABIC LETTER TEHEH • Sindhi	069B	پ	ARABIC LETTER SEEN WITH THREE DOTS BELOW • early Persian
0680	پ	ARABIC LETTER BEHEH • Sindhi	069C	پ	ARABIC LETTER SEEN WITH THREE DOTS BELOW AND THREE DOTS ABOVE • Moroccan Arabic
0681	خ	ARABIC LETTER HAH WITH HAMZA ABOVE • Pashto letter “dze”	069D	ص	ARABIC LETTER SAD WITH TWO DOTS BELOW • Turkic
0682	خ	ARABIC LETTER HAH WITH TWO DOTS VERTICAL ABOVE • not used in modern Pashto	069E	ض	ARABIC LETTER SAD WITH THREE DOTS ABOVE • Berber, Burushaski
0683	ح	ARABIC LETTER NYEH • Sindhi	069F	ظ	ARABIC LETTER TAH WITH THREE DOTS ABOVE • old Hausa
0684	ح	ARABIC LETTER DYEH • Sindhi	06A0	ع	ARABIC LETTER AIN WITH THREE DOTS ABOVE • old Malay
0685	خ	ARABIC LETTER HAH WITH THREE DOTS ABOVE • Pashto, Khwarazmian	06A1	ف	ARABIC LETTER DOTLESS FEH • Adighe
0686	ح	ARABIC LETTER TCHEH • Persian, Urdu, ...	06A2	ف	ARABIC LETTER FEH WITH DOT MOVED BELOW • Maghrib Arabic
0687	ح	ARABIC LETTER TCHEHEH • Sindhi	06A3	ف	ARABIC LETTER FEH WITH DOT BELOW • Ingush
0688	ذ	ARABIC LETTER DDAL • Urdu	06A4	ف	ARABIC LETTER VEH • Middle Eastern Arabic for foreign words • Kurdish, Khwarazmian, early Persian
0689	ر	ARABIC LETTER DAL WITH RING • Pashto	06A5	ف	ARABIC LETTER FEH WITH THREE DOTS BELOW • North African Arabic for foreign words
068A	ر	ARABIC LETTER DAL WITH DOT BELOW • Sindhi, early Persian	06A6	ف	ARABIC LETTER PEHEH • Sindhi
068B	ر	ARABIC LETTER DAL WITH DOT BELOW AND SMALL TAH • Lahnda	06A7	ق	ARABIC LETTER QAF WITH DOT ABOVE • Maghrib Arabic
068C	د	ARABIC LETTER DAHAL • Sindhi	06A8	ق	ARABIC LETTER QAF WITH THREE DOTS ABOVE • Tunisian Arabic
068D	د	ARABIC LETTER DDAHAL • Sindhi	06A9	ك	ARABIC LETTER KEHEH • Persian, Urdu, ...
068E	د	ARABIC LETTER DUL • older shape for DUL, now obsolete in Sindhi • Burushaski	06AA	ك	ARABIC LETTER SWASH KAF
068F	د	ARABIC LETTER DAL WITH THREE DOTS ABOVE DOWNWARDS • Sindhi • current shape used for DUL	06AB	ك	ARABIC LETTER KAF WITH RING • Pashto • may appear like an Arabic KAF (0643 ك) with a ring below the base
0690	د	ARABIC LETTER DAL WITH FOUR DOTS ABOVE • old Urdu, not in current use	06AC	ك	ARABIC LETTER KAF WITH DOT ABOVE • old Malay
0691	ر	ARABIC LETTER RREH • Urdu	06AD	گ	ARABIC LETTER NG • Uighur, Kazakh, old Malay, early Persian, ...
0692	ز	ARABIC LETTER REH WITH SMALL V • Kurdish	06AE	ك	ARABIC LETTER KAF WITH THREE DOTS BELOW • Berber, early Persian
0693	ر	ARABIC LETTER REH WITH RING • Pashto	06AF	گ	ARABIC LETTER GAF • Persian, Urdu, ...
0694	ر	ARABIC LETTER REH WITH DOT BELOW • Kurdish, early Persian	06B0	گ	ARABIC LETTER GAF WITH RING • Lahnda

06B1	گ	ARABIC LETTER NGOEH			
		• Sindhi			
06B2	گ	ARABIC LETTER GAF WITH TWO DOTS BELOW			
		• not used in Sindhi			
06B3	گ	ARABIC LETTER GUEH			
		• Sindhi			
06B4	گ	ARABIC LETTER GAF WITH THREE DOTS ABOVE			
		• not used in Sindhi			
06B5	ل	ARABIC LETTER LAM WITH SMALL V			
		• Kurdish			
06B6	ل	ARABIC LETTER LAM WITH DOT ABOVE			
		• Kurdish			
06B7	ل	ARABIC LETTER LAM WITH THREE DOTS ABOVE			
		• Kurdish			
06B8	ل	ARABIC LETTER LAM WITH THREE DOTS BELOW			
06B9	ن	ARABIC LETTER NOON WITH DOT BELOW			
06BA	ن	ARABIC LETTER NOON GHUNNA			
		• Urdu			
06BB	ن	ARABIC LETTER RNOON			
		• Sindhi			
06BC	ن	ARABIC LETTER NOON WITH RING			
		• Pashto			
06BD	ن	ARABIC LETTER NOON WITH THREE DOTS ABOVE			
		• old Malay			
06BE	ه	ARABIC LETTER HEH DOACHASHMEE			
		• Urdu			
		• forms aspirate digraphs			
06BF	ح	ARABIC LETTER TCHEH WITH DOT ABOVE			
06C0	ه	ARABIC LETTER HEH WITH YEH ABOVE			
		= arabic letter hamzah on ha (1.0)			
		= izafet			
		• Urdu			
		• actually a ligature, not an independent letter			
		≡ 06D5 • 0654 ّ			
06C1	ه	ARABIC LETTER HEH GOAL			
		• Urdu			
06C2	ه	ARABIC LETTER HEH GOAL WITH HAMZA ABOVE			
		• Urdu			
		• actually a ligature, not an independent letter			
		≡ 06C1 ~ 0654 ّ			
06C3	ه	ARABIC LETTER TEH MARBUTA GOAL			
		• Urdu			
06C4	و	ARABIC LETTER WAW WITH RING			
		• Kashmiri			
06C5	و	ARABIC LETTER KIRGHIZ OE			
		• Kirghiz			
06C6	و	ARABIC LETTER OE			
		• Uighur, Kurdish, Kazakh, Azerbaijani			
06C7	ۇ	ARABIC LETTER U			
		• Kirghiz, Azerbaijani			
06C8	ۇ	ARABIC LETTER YU			
		• Uighur			
06C9	ۇ	ARABIC LETTER KIRGHIZ YU			
		• Kazakh, Kirghiz			
06CA	و	ARABIC LETTER WAW WITH TWO DOTS ABOVE			
		• Kurdish			
06CB	ۇ	ARABIC LETTER VE			
		• Uighur, Kazakh			
06CC	ی	ARABIC LETTER FARSI YEH			
		• Arabic, Persian, Urdu, ...			
		• initial and medial forms of this letter have dots			
		→ 0649 ی arabic letter alef maksura			
		→ 064A ی arabic letter yeh			
06CD	ی	ARABIC LETTER YEH WITH TAIL			
		• Pashto, Sindhi			
06CE	ی	ARABIC LETTER YEH WITH SMALL V			
		• Kurdish			
06CF	و	ARABIC LETTER WAW WITH DOT ABOVE			
06D0	ی	ARABIC LETTER E			
		• Pashto, Uighur			
		• used as the letter bbeh in Sindhi			
06D1	ی	ARABIC LETTER YEH WITH THREE DOTS BELOW			
		• old Malay			
06D2	ے	ARABIC LETTER YEH BARREE			
		• Urdu			
06D3	ے	ARABIC LETTER YEH BARREE WITH HAMZA ABOVE			
		• Urdu			
		• actually a ligature, not an independent letter			
		≡ 06D2 ے 0654 ّ			
<b>Punctuation</b>					
06D4	-	ARABIC FULL STOP			
		• Urdu			
<b>Extended Arabic letter</b>					
06D5	آ	ARABIC LETTER AE			
		• Uighur, Kazakh, Kirghiz			
<b>Koranic annotation signs</b>					
06D6	ﻻ	ARABIC SMALL HIGH LIGATURE SAD WITH LAM WITH ALEF MAKSURA			
06D7	ﻻ	ARABIC SMALL HIGH LIGATURE QAF WITH LAM WITH ALEF MAKSURA			
06D8	ﻻ	ARABIC SMALL HIGH MEEM INITIAL FORM			
06D9	ﻻ	ARABIC SMALL HIGH LAM ALEF			
06DA	ﻻ	ARABIC SMALL HIGH JEEM			
06DB	ﻻ	ARABIC SMALL HIGH THREE DOTS			
06DC	ﻻ	ARABIC SMALL HIGH SEEN			
06DD	ﻻ	ARABIC END OF AYAH			
06DE	ﻻ	ARABIC START OF RUB EL HIZB			
06DF	ﻻ	ARABIC SMALL HIGH ROUNDED ZERO			
		• smaller than the typical circular shape used for 0652 ّ			
06E0	ﻻ	ARABIC SMALL HIGH UPRIGHT RECTANGULAR ZERO			
06E1	ﻻ	ARABIC SMALL HIGH DOTLESS HEAD OF KHAH			
		= Arabic jazm			
		• presentation form of 0652 ّ, using font technology to select the variant is preferred			
		• used in some Korans to mark absence of a vowel			
		→ 0652 ّ arabic sukun			
06E2	ﻻ	ARABIC SMALL HIGH MEEM ISOLATED FORM			
06E3	ﻻ	ARABIC SMALL LOW SEEN			
06E4	ﻻ	ARABIC SMALL HIGH MADDA			
06E5	و	ARABIC SMALL WAW			
06E6	ي	ARABIC SMALL YEH			
06E7	ي	ARABIC SMALL HIGH YEH			
06E8	ي	ARABIC SMALL HIGH NOON			











- 06E9  ARABIC PLACE OF SAJDAH  
 • there is a range of acceptable glyphs for this character
- 06EA  ARABIC EMPTY CENTRE LOW STOP
- 06EB  ARABIC EMPTY CENTRE HIGH STOP
- 06EC  ARABIC ROUNDED HIGH STOP WITH FILLED CENTRE
- 06ED  ARABIC SMALL LOW MEEM

**Extended Arabic letters for Parkari**




- 06EE  ARABIC LETTER DAL WITH INVERTED V
- 06EF  ARABIC LETTER REH WITH INVERTED V  
 • also used in early Persian

**Eastern Arabic-Indic digits**



*These digits are used with Arabic-script languages of Iran, Pakistan, and India (Persian, Sindhi, Urdu, etc.). For details of variations in preferred glyphs, see the block description for the Arabic script.*

- 06F0  EXTENDED ARABIC-INDIC DIGIT ZERO
- 06F1  EXTENDED ARABIC-INDIC DIGIT ONE
- 06F2  EXTENDED ARABIC-INDIC DIGIT TWO
- 06F3  EXTENDED ARABIC-INDIC DIGIT THREE
- 06F4  EXTENDED ARABIC-INDIC DIGIT FOUR  
 • Persian has a different glyph than Sindhi and Urdu
- 06F5  EXTENDED ARABIC-INDIC DIGIT FIVE  
 • Persian, Sindhi, and Urdu share glyph different from Arabic
- 06F6  EXTENDED ARABIC-INDIC DIGIT SIX  
 • Persian, Sindhi, and Urdu have glyphs different from Arabic
- 06F7  EXTENDED ARABIC-INDIC DIGIT SEVEN  
 • Urdu and Sindhi have glyphs different from Arabic
- 06F8  EXTENDED ARABIC-INDIC DIGIT EIGHT
- 06F9  EXTENDED ARABIC-INDIC DIGIT NINE

**Extended Arabic letters**

- 06FA  ARABIC LETTER SHEEN WITH DOT BELOW
- 06FB  ARABIC LETTER DAD WITH DOT BELOW
- 06FC  ARABIC LETTER GHAIN WITH DOT BELOW

















































































**Signs for Sindhi**

- 06FD  ARABIC SIGN SINDHI AMPERSAND
- 06FE  ARABIC SIGN SINDHI POSTPOSITION MEN

**Extended Arabic letter for Parkari**

- 06FF  ARABIC LETTER HEH WITH INVERTED V



	070	071	072	073	074
0	 0700	 0710	 0720	 0730	 0740
1	 0701	 0711	 0721	 0731	 0741
2	 0702	 0712	 0722	 0732	 0742
3	 0703	 0713	 0723	 0733	 0743
4	 0704	 0714	 0724	 0734	 0744
5	 0705	 0715	 0725	 0735	 0745
6	 0706	 0716	 0726	 0736	 0746
7	 0707	 0717	 0727	 0737	 0747
8	 0708	 0718	 0728	 0738	 0748
9	 0709	 0719	 0729	 0739	 0749
A	 070A	 071A	 072A	 073A	 074A
B	 070B	 071B	 072B	 073B	
C	 070C	 071C	 072C	 073C	
D	 070D	 071D	 072D	 073D	 074D
E		 071E	 072E	 073E	 074E
F	 070F	 071F	 072F	 073F	 074F

**Syriac punctuation and signs**

0700	❖	SYRIAC END OF PARAGRAPH	• marks the end of a paragraph
0701	·	SYRIAC SUPRALINEAR FULL STOP	• marks interrogations, imperatives, and pauses, especially in Biblical texts
0702	.	SYRIAC SUBLINEAR FULL STOP	• marks subordinate clauses and minor pauses, especially in Biblical texts
0703	:	SYRIAC SUPRALINEAR COLON	• marks expressions of wonder and has a distinct pausal value in Biblical texts
0704	:	SYRIAC SUBLINEAR COLON	• used at the end of verses of supplications
0705	..	SYRIAC HORIZONTAL COLON	• joins two words closely together in a context to which a rising tone is suitable
0706	.	SYRIAC COLON SKEWED LEFT	• marks a dependent clause
0707	.	SYRIAC COLON SKEWED RIGHT	• marks the end of a subdivision of the apodosis, or latter part of a Biblical verse
0708	·	SYRIAC SUPRALINEAR COLON SKEWED LEFT	• marks a minor phrase division
0709	.	SYRIAC SUBLINEAR COLON SKEWED RIGHT	• marks the end of a real or rhetorical question
070A	:	SYRIAC CONTRACTION	• a contraction mark, mostly used in East Syriac • placed at the end of an incomplete word
070B	⊥	SYRIAC HARKLEAN OBELUS	• marks the beginning of a phrase, word, or morpheme that has a marginal note
070C	⊥	SYRIAC HARKLEAN METOBELUS	• marks the end of a section with a marginal note
070D	+	SYRIAC HARKLEAN ASTERISCUS	• marks the beginning of a phrase, word, or morpheme that has a marginal note

**Syriac format control character**

070F	Ⲁ	SYRIAC ABBREVIATION MARK = SAM	• marks the beginning of a Syriac abbreviation
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**Syriac letters**

0710	Ⲁ	SYRIAC LETTER ALAPH	
0711	Ⲁ̇	SYRIAC LETTER SUPERSCRIPIT ALAPH	• used in East Syriac texts to indicate an etymological Alaph
0712	Ⲁ̇	SYRIAC LETTER BETH	
0713	Ⲁ̇	SYRIAC LETTER GAMAL	
0714	Ⲁ̇	SYRIAC LETTER GAMAL GARSHUNI	• used in Garshuni documents
0715	Ⲁ̇	SYRIAC LETTER DALATH	
0716	Ⲁ̇	SYRIAC LETTER DOTLESS DALATH RISH	• ambiguous form for undifferentiated early dalath/rish
0717	Ⲁ̇	SYRIAC LETTER HE	
0718	Ⲁ̇	SYRIAC LETTER WAW	
0719	Ⲁ̇	SYRIAC LETTER ZAIN	
071A	Ⲁ̇	SYRIAC LETTER HETH	
071B	Ⲁ̇	SYRIAC LETTER TETH	
071C	Ⲁ̇	SYRIAC LETTER TETH GARSHUNI	• used in Garshuni documents
071D	Ⲁ̇	SYRIAC LETTER YUDH	

071E	Ⲁ̇	SYRIAC LETTER YUDH HE	• mostly used in East Syriac texts
071F	Ⲁ̇	SYRIAC LETTER KAPH	
0720	Ⲁ̇	SYRIAC LETTER LAMADH	
0721	Ⲁ̇	SYRIAC LETTER MIM	
0722	Ⲁ̇	SYRIAC LETTER NUN	
0723	Ⲁ̇	SYRIAC LETTER SEMKATH	
0724	Ⲁ̇	SYRIAC LETTER FINAL SEMKATH	
0725	Ⲁ̇	SYRIAC LETTER E	
0726	Ⲁ̇	SYRIAC LETTER PE	
0727	Ⲁ̇	SYRIAC LETTER REVERSED PE	• used in Christian Palestinian Aramaic
0728	Ⲁ̇	SYRIAC LETTER SADHE	
0729	Ⲁ̇	SYRIAC LETTER QAPH	
072A	Ⲁ̇	SYRIAC LETTER RISH	
072B	Ⲁ̇	SYRIAC LETTER SHIN	
072C	Ⲁ̇	SYRIAC LETTER TAW	

**Persian letters**

072D	Ⲁ̇	SYRIAC LETTER PERSIAN BHETH
072E	Ⲁ̇	SYRIAC LETTER PERSIAN GHAMAL
072F	Ⲁ̇	SYRIAC LETTER PERSIAN DHALATH

**Syriac points (vowels)**

0730	Ⲁ̇	SYRIAC PTHAHA ABOVE
0731	Ⲁ̇	SYRIAC PTHAHA BELOW
0732	Ⲁ̇	SYRIAC PTHAHA DOTTED
0733	Ⲁ̇	SYRIAC ZQAPHA ABOVE
0734	Ⲁ̇	SYRIAC ZQAPHA BELOW
0735	Ⲁ̇	SYRIAC ZQAPHA DOTTED
0736	Ⲁ̇	SYRIAC RBASA ABOVE
0737	Ⲁ̇	SYRIAC RBASA BELOW
0738	Ⲁ̇	SYRIAC DOTTED ZLAMA HORIZONTAL
0739	Ⲁ̇	SYRIAC DOTTED ZLAMA ANGULAR
073A	Ⲁ̇	SYRIAC HBASA ABOVE
073B	Ⲁ̇	SYRIAC HBASA BELOW
073C	Ⲁ̇	SYRIAC HBASA-ESASA DOTTED
073D	Ⲁ̇	SYRIAC ESASA ABOVE
073E	Ⲁ̇	SYRIAC ESASA BELOW
073F	Ⲁ̇	SYRIAC RWAHA

**Syriac marks**

0740	Ⲁ̇	SYRIAC FEMININE DOT	• feminine marker used with the Taw feminine suffix
0741	Ⲁ̇	SYRIAC QUSHSHAYA	• indicates a plosive pronunciation
0742	Ⲁ̇	SYRIAC RUKKAKHA	• indicates an aspirated (spirantized) pronunciation
0743	Ⲁ̇	SYRIAC TWO VERTICAL DOTS ABOVE	• accent mark used in ancient manuscripts
0744	Ⲁ̇	SYRIAC TWO VERTICAL DOTS BELOW	• accent mark used in ancient manuscripts
0745	Ⲁ̇	SYRIAC THREE DOTS ABOVE	• diacritic used in Turoyo for letters not found in Syriac
0746	Ⲁ̇	SYRIAC THREE DOTS BELOW	• diacritic used in Turoyo for letters not found in Syriac
0747	Ⲁ̇	SYRIAC OBLIQUE LINE ABOVE	• indication of a silent letter

- 0748 ܩ SYRIAC OBLIQUE LINE BELOW
- indication of a silent letter
  - also used to indicate numbers multiplied by a certain constant
- 0749 ܐ SYRIAC MUSIC
- a music mark
  - also used in the Syrian Orthodox Anaphora book to mark the breaking of the Eucharist bread
- 074A ܐ SYRIAC BARREKH
- a diacritic cross used in liturgical texts

**Sogdian letters**

- 074D ܩ SYRIAC LETTER SOGDIAN ZHAIN
- 074E ܩ SYRIAC LETTER SOGDIAN KHAPH
- 074F ܩ SYRIAC LETTER SOGDIAN FE

	075	076	077
0	ي 0750	يب 0760	يش 0770
1	ب 0751	يب 0761	ز 0771
2	پ 0752	کي 0762	خ 0772
3	ت 0753	کي 0763	آ 0773
4	ن 0754	کي 0764	آ 0774
5	ب 0755	م 0765	ي 0775
6	ب 0756	م 0766	ي 0776
7	خ 0757	ني 0767	ي 0777
8	چ 0758	ن 0768	و 0778
9	پ 0759	ن 0769	و 0779
A	د 075A	ل 076A	م 077A
B	ر 075B	ز 076B	م 077B
C	ش 075C	ر 076C	ح 077C
D	ع 075D	ش 076D	س 077D
E	ع 075E	ح 076E	س 077E
F	غ 075F	چ 076F	ك 077F

**Extended Arabic letters**

*These are primarily used in Arabic-script orthographies of African languages.*

- 0750 ب ARABIC LETTER BEH WITH THREE DOTS HORIZONTALLY BELOW
- 0751 ث ARABIC LETTER BEH WITH DOT BELOW AND THREE DOTS ABOVE
- 0752 هـ ARABIC LETTER BEH WITH THREE DOTS POINTING UPWARDS BELOW
- 0753 هـ ARABIC LETTER BEH WITH THREE DOTS POINTING UPWARDS BELOW AND TWO DOTS ABOVE
- 0754 هـ ARABIC LETTER BEH WITH TWO DOTS BELOW AND DOT ABOVE
- 0755 بـ ARABIC LETTER BEH WITH INVERTED SMALL V BELOW
- 0756 نـ ARABIC LETTER BEH WITH SMALL V
- 0757 حـ ARABIC LETTER HAH WITH TWO DOTS ABOVE
- 0758 جـ ARABIC LETTER HAH WITH THREE DOTS POINTING UPWARDS BELOW
- 0759 دـ ARABIC LETTER DAL WITH TWO DOTS VERTICALLY BELOW AND SMALL TAH
- Saraiki
- 075A دـ ARABIC LETTER DAL WITH INVERTED SMALL V BELOW
- 075B رـ ARABIC LETTER REH WITH STROKE
- 075C شـ ARABIC LETTER SEEN WITH FOUR DOTS ABOVE
- Shina
- 075D عـ ARABIC LETTER AIN WITH TWO DOTS ABOVE
- 075E عـ ARABIC LETTER AIN WITH THREE DOTS POINTING DOWNWARDS ABOVE
- 075F غـ ARABIC LETTER AIN WITH TWO DOTS VERTICALLY ABOVE
- 0760 فـ ARABIC LETTER FEH WITH TWO DOTS BELOW
- 0761 فـ ARABIC LETTER FEH WITH THREE DOTS POINTING UPWARDS BELOW
- 0762 كـ ARABIC LETTER KEHEH WITH DOT ABOVE
- old Malay, preferred to 06AC كـ
  - 06AC كـ arabic letter kaf with dot above
- 0763 كـ ARABIC LETTER KEHEH WITH THREE DOTS ABOVE
- Moroccan Arabic, Amazigh, Burushaski
  - 06AD كـ arabic letter ng
- 0764 كـ ARABIC LETTER KEHEH WITH THREE DOTS POINTING UPWARDS BELOW
- 0765 مـ ARABIC LETTER MEEM WITH DOT ABOVE
- 0766 مـ ARABIC LETTER MEEM WITH DOT BELOW
- Maba
- 0767 نـ ARABIC LETTER NOON WITH TWO DOTS BELOW
- Arwi
- 0768 نـ ARABIC LETTER NOON WITH SMALL TAH
- Saraiki, Pathwari
- 0769 نـ ARABIC LETTER NOON WITH SMALL V
- Gojri
- 076A لـ ARABIC LETTER LAM WITH BAR
- 076B زـ ARABIC LETTER REH WITH TWO DOTS VERTICALLY ABOVE
- Torwali, Ormuri
- 076C زـ ARABIC LETTER REH WITH HAMZA ABOVE
- Ormuri
- 076D شـ ARABIC LETTER SEEN WITH TWO DOTS VERTICALLY ABOVE
- Kalami, Ormuri

**Additions for Khovar**

- 076E جـ ARABIC LETTER HAH WITH SMALL ARABIC LETTER TAH BELOW
- 076F جـ ARABIC LETTER HAH WITH SMALL ARABIC LETTER TAH AND TWO DOTS
- 0770 شـ ARABIC LETTER SEEN WITH SMALL ARABIC LETTER TAH AND TWO DOTS
- 0771 زـ ARABIC LETTER REH WITH SMALL ARABIC LETTER TAH AND TWO DOTS

**Addition for Torwali**

- 0772 خـ ARABIC LETTER HAH WITH SMALL ARABIC LETTER TAH ABOVE

**Additions for Burushaski**

- 0773 اـ ARABIC LETTER ALEF WITH EXTENDED ARABIC-INDIC DIGIT TWO ABOVE
- 0774 اـ ARABIC LETTER ALEF WITH EXTENDED ARABIC-INDIC DIGIT THREE ABOVE
- 0775 يـ ARABIC LETTER FARSI YEH WITH EXTENDED ARABIC-INDIC DIGIT TWO ABOVE
- 0776 يـ ARABIC LETTER FARSI YEH WITH EXTENDED ARABIC-INDIC DIGIT THREE ABOVE
- 0777 يـ ARABIC LETTER FARSI YEH WITH EXTENDED ARABIC-INDIC DIGIT FOUR BELOW
- 0778 وـ ARABIC LETTER WAW WITH EXTENDED ARABIC-INDIC DIGIT TWO ABOVE
- 0779 وـ ARABIC LETTER WAW WITH EXTENDED ARABIC-INDIC DIGIT THREE ABOVE
- 077A عـ ARABIC LETTER YEH BARREE WITH EXTENDED ARABIC-INDIC DIGIT TWO ABOVE
- 077B عـ ARABIC LETTER YEH BARREE WITH EXTENDED ARABIC-INDIC DIGIT THREE ABOVE
- 077C جـ ARABIC LETTER HAH WITH EXTENDED ARABIC-INDIC DIGIT FOUR BELOW
- 077D شـ ARABIC LETTER SEEN WITH EXTENDED ARABIC-INDIC DIGIT FOUR ABOVE

**Additions for early Persian**

- 077E شـ ARABIC LETTER SEEN WITH INVERTED V
- 077F كـ ARABIC LETTER KAF WITH TWO DOTS ABOVE

	078	079	07A	07B
0	0780	0790	07A0	07B0
1	0781	0791	07A1	07B1
2	0782	0792	07A2	
3	0783	0793	07A3	
4	0784	0794	07A4	
5	0785	0795	07A5	
6	0786	0796	07A6	
7	0787	0797	07A7	
8	0788	0798	07A8	
9	0789	0799	07A9	
A	078A	079A	07AA	
B	078B	079B	07AB	
C	078C	079C	07AC	
D	078D	079D	07AD	
E	078E	079E	07AE	
F	078F	079F	07AF	

**Basic consonants**

- 0780 THAANA LETTER HAA
- 0781 THAANA LETTER SHAVIYANI
- 0782 THAANA LETTER NOONU
- 0783 THAANA LETTER RAA
- 0784 THAANA LETTER BAA
- 0785 THAANA LETTER LHAVIYANI
- 0786 THAANA LETTER KAAFU
- 0787 THAANA LETTER ALIFU
- 0788 THAANA LETTER VAAVU
- 0789 THAANA LETTER MEEMU
- 078A THAANA LETTER FAAFU
- 078B THAANA LETTER DHAALU
- 078C THAANA LETTER THAA
- 078D THAANA LETTER LAAMU
- 078E THAANA LETTER GAAFU
- 078F THAANA LETTER GNAVIYANI
- 0790 THAANA LETTER SEENU
- 0791 THAANA LETTER DAVIYANI
- 0792 THAANA LETTER ZAVIYANI
- 0793 THAANA LETTER TAVIYANI
- 0794 THAANA LETTER YAA
- 0795 THAANA LETTER PAVIYANI
- 0796 THAANA LETTER JAVIYANI
- 0797 THAANA LETTER CHAVIYANI

**Extensions for Arabic**

- 0798 THAANA LETTER TTAA
- 0799 THAANA LETTER HHAA
- 079A THAANA LETTER KHAA
- 079B THAANA LETTER THAALU
- 079C THAANA LETTER ZAA
- 079D THAANA LETTER SHEENU
- 079E THAANA LETTER SAADHU
- 079F THAANA LETTER DAADHU
- 07A0 THAANA LETTER TO
- 07A1 THAANA LETTER ZO
- 07A2 THAANA LETTER AINU
- 07A3 THAANA LETTER GHAINU
- 07A4 THAANA LETTER QAAFU
- 07A5 THAANA LETTER WAAVU

**Vowels**

- 07A6 THAANA ABAFILI
- 07A7 THAANA ABAAFILI
- 07A8 THAANA IBIFILI
- 07A9 THAANA EEBEFILI
- 07AA THAANA UBUFILI
- 07AB THAANA OBOOFILI
- 07AC THAANA EBEFILI
- 07AD THAANA EYBEYFILI
- 07AE THAANA OBOFILI
- 07AF THAANA OABOAFILI
- 07B0 THAANA SUKUN

**Consonant for Addu dialect**

- 07B1 THAANA LETTER NAA

	07C	07D	07E	07F
0	0 07C0	♀ 07D0	⌈ 07E0	~ ○ 07F0
1	⌋ 07C1	⌋ 07D1	△ 07E1	⌋ ○ 07F1
2	⌋ 07C2	♀ 07D2	♀ 07E2	○ • 07F2
3	⌋ 07C3	F 07D3	⌋ 07E3	○ •• 07F3
4	⌋ 07C4	⌋ 07D4	⌋ 07E4	’ 07F4
5	⌋ 07C5	b 07D5	⌋ 07E5	’ 07F5
6	⌋ 07C6	⌋ 07D6	♀ 07E6	2 07F6
7	⌋ 07C7	1 07D7	♀ 07E7	⊗ 07F7
8	⌋ 07C8	⌋ 07D8	⌋ 07E8	• 07F8
9	♀ 07C9	† 07D9	⌋ 07E9	• 07F9
A	⌋ 07CA	⌋ 07DA	† 07EA	— 07FA
B	○ 07CB	□ 07DB	— ○ 07EB	
C	Υ 07CC	▽ 07DC	~ ○ 07EC	
D	^ 07CD	♁ 07DD	• ○ 07ED	
E	⌋ 07CE	⌋ 07DE	^ ○ 07EE	
F	⌋ 07CF	♀ 07DF	→ ○ 07EF	

**Digits**

07C0	0	NKO DIGIT ZERO
07C1	1	NKO DIGIT ONE
07C2	2	NKO DIGIT TWO
07C3	3	NKO DIGIT THREE
07C4	4	NKO DIGIT FOUR
07C5	5	NKO DIGIT FIVE
07C6	6	NKO DIGIT SIX
07C7	7	NKO DIGIT SEVEN
07C8	8	NKO DIGIT EIGHT
07C9	9	NKO DIGIT NINE

**Letters**

07CA	Ⓐ	NKO LETTER A
07CB	Ⓑ	NKO LETTER EE
07CC	Ⓒ	NKO LETTER I
07CD	Ⓓ	NKO LETTER E
07CE	Ⓔ	NKO LETTER U
07CF	Ⓕ	NKO LETTER OO
07D0	Ⓖ	NKO LETTER O
07D1	Ⓗ	NKO LETTER DAGBASINNA
07D2	Ⓖ	NKO LETTER N
07D3	Ⓕ	NKO LETTER BA
07D4	Ⓖ	NKO LETTER PA
07D5	Ⓑ	NKO LETTER TA
07D6	Ⓖ	NKO LETTER JA
07D7	Ⓖ	NKO LETTER CHA
07D8	Ⓖ	NKO LETTER DA
07D9	Ⓖ	NKO LETTER RA
07DA	Ⓖ	NKO LETTER RRA
07DB	Ⓖ	NKO LETTER SA
07DC	Ⓖ	NKO LETTER GBA
07DD	Ⓖ	NKO LETTER FA
07DE	Ⓖ	NKO LETTER KA
07DF	Ⓖ	NKO LETTER LA
07E0	Ⓖ	NKO LETTER NA WOLOSO
07E1	Ⓖ	NKO LETTER MA
07E2	Ⓖ	NKO LETTER NYA
07E3	Ⓖ	NKO LETTER NA
07E4	Ⓖ	NKO LETTER HA
07E5	Ⓖ	NKO LETTER WA
07E6	Ⓖ	NKO LETTER YA
07E7	Ⓖ	NKO LETTER NYA WOLOSO

**Archaic letters**

07E8	Ⓖ	NKO LETTER JONA JA
07E9	Ⓖ	NKO LETTER JONA CHA
07EA	Ⓖ	NKO LETTER JONA RA → 07D9 Ⓖ nko letter ra

**Tone marks**

07EB	◌̄	NKO COMBINING SHORT HIGH TONE → 0304 ◌̄ combining macron
07EC	◌̃	NKO COMBINING SHORT LOW TONE → 0303 ◌̃ combining tilde
07ED	◌̇	NKO COMBINING SHORT RISING TONE → 0307 ◌̇ combining dot above
07EE	◌̂	NKO COMBINING LONG DESCENDING TONE → 0302 ◌̂ combining circumflex accent
07EF	◌̈́	NKO COMBINING LONG HIGH TONE
07F0	◌̈̀	NKO COMBINING LONG LOW TONE
07F1	◌̈́	NKO COMBINING LONG RISING TONE

07F2	◌̇	NKO COMBINING NASALIZATION MARK → 0323 ◌̇ combining dot below
07F3	◌̈́	NKO COMBINING DOUBLE DOT ABOVE → 0308 ◌̈́ combining diaeresis
07F4	’	NKO HIGH TONE APOSTROPHE → 02BC ’ modifier letter apostrophe
07F5	‘	NKO LOW TONE APOSTROPHE → 02BB ‘ modifier letter turned comma

**Symbol**

07F6	Ⓔ	NKO SYMBOL OO DENNEN
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






























































**Punctuation**

07F7	Ⓔ	NKO SYMBOL GBAKURUNEN
07F8	Ⓔ	NKO COMMA
07F9	Ⓔ	NKO EXCLAMATION MARK

**Letter extender**

07FA	◌_	NKO LAJANYALAN → 005F ◌_ low line → 0640 - arabic tatweel
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	080	081	082	083
0	 0800	 0810	 0820	 0830
1	 0801	 0811	 0821	 0831
2	 0802	 0812	 0822	 0832
3	 0803	 0813	 0823	 0833
4	 0804	 0814	 0824	 0834
5	 0805	 0815	 0825	 0835
6	 0806	 0816	 0826	 0836
7	 0807	 0817	 0827	 0837
8	 0808	 0818	 0828	 0838
9	 0809	 0819	 0829	 0839
A	 080A	 081A	 082A	 083A
B	 080B	 081B	 082B	 083B
C	 080C	 081C	 082C	 083C
D	 080D	 081D	 082D	 083D
E	 080E	 081E		 083E
F	 080F	 081F		

**Letters**

0800	𐤀	SAMARITAN LETTER ALAF
0801	𐤁	SAMARITAN LETTER BIT
0802	𐤂	SAMARITAN LETTER GAMAN
0803	𐤃	SAMARITAN LETTER DALAT
0804	𐤄	SAMARITAN LETTER IY
0805	𐤅	SAMARITAN LETTER BAA
0806	𐤆	SAMARITAN LETTER ZEN
0807	𐤇	SAMARITAN LETTER IT
0808	𐤈	SAMARITAN LETTER TIT
0809	𐤉	SAMARITAN LETTER YUT
080A	𐤊	SAMARITAN LETTER KAAF
080B	𐤋	SAMARITAN LETTER LABAT
080C	𐤌	SAMARITAN LETTER MIM
080D	𐤍	SAMARITAN LETTER NUN
080E	𐤎	SAMARITAN LETTER SINGAAT
080F	𐤏	SAMARITAN LETTER IN
0810	𐤐	SAMARITAN LETTER FI
0811	𐤑	SAMARITAN LETTER TSAADIY
0812	𐤒	SAMARITAN LETTER QUF
0813	𐤓	SAMARITAN LETTER RISH
0814	𐤔	SAMARITAN LETTER SHAN
0815	𐤕	SAMARITAN LETTER TAAF

**Consonant modifiers**

0816	𐤖	SAMARITAN MARK IN
0817	𐤗	SAMARITAN MARK IN-ALAF
0818	𐤘	SAMARITAN MARK OCCLUSION
0819	𐤙	SAMARITAN MARK DAGESH
081A	𐤚	SAMARITAN MODIFIER LETTER EPENTHETIC YUT
081B	𐤛	SAMARITAN MARK EPENTHETIC YUT

**Vowel signs**

081C	𐤜	SAMARITAN VOWEL SIGN LONG E = fatha al-nida
081D	𐤝	SAMARITAN VOWEL SIGN E
081E	𐤞	SAMARITAN VOWEL SIGN OVERLONG AA = fatha al-ima
081F	𐤟	SAMARITAN VOWEL SIGN LONG AA
0820	𐤠	SAMARITAN VOWEL SIGN AA
0821	𐤡	SAMARITAN VOWEL SIGN OVERLONG A = fatha al-iha
0822	𐤢	SAMARITAN VOWEL SIGN LONG A
0823	𐤣	SAMARITAN VOWEL SIGN A
0824	𐤤	SAMARITAN MODIFIER LETTER SHORT A
0825	𐤥	SAMARITAN VOWEL SIGN SHORT A = fatha
0826	𐤦	SAMARITAN VOWEL SIGN LONG U = damma
0827	𐤧	SAMARITAN VOWEL SIGN U
0828	𐤨	SAMARITAN MODIFIER LETTER I
0829	𐤩	SAMARITAN VOWEL SIGN LONG I = kasra
082A	𐤪	SAMARITAN VOWEL SIGN I
082B	𐤫	SAMARITAN VOWEL SIGN O
082C	𐤬	SAMARITAN VOWEL SIGN SUKUN

**Variant reading sign**

082D	𐤭	SAMARITAN MARK NEQUDAA
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**Punctuation**

0830	𐤮	SAMARITAN PUNCTUATION NEQUDAA = word separator
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0831	𐤯	SAMARITAN PUNCTUATION AFSAAQ = interruption
0832	𐤰	SAMARITAN PUNCTUATION ANGED = restraint
0833	𐤱	SAMARITAN PUNCTUATION BAU = prayer
0834	𐤲	SAMARITAN PUNCTUATION ATMAAU = surprise
0835	𐤳	SAMARITAN PUNCTUATION SHIYYAALAA = question
0836	𐤴	SAMARITAN ABBREVIATION MARK
0837	𐤵	SAMARITAN PUNCTUATION MELODIC QITSA
0838	𐤶	SAMARITAN PUNCTUATION ZIQAA = shouting
0839	𐤷	SAMARITAN PUNCTUATION QITSA = end of section
083A	𐤸	SAMARITAN PUNCTUATION ZAEF = outburst
083B	𐤹	SAMARITAN PUNCTUATION TURU = teaching
083C	𐤺	SAMARITAN PUNCTUATION ARKAANU = submissiveness
083D	𐤻	SAMARITAN PUNCTUATION SOF MASHFAAT = full stop
083E	𐤼	SAMARITAN PUNCTUATION ANNAAU = rest

	090	091	092	093	094	095	096	097
0	ॐ 0900	ऐ 0910	ठ 0920	र 0930	ी 0940	ॐ 0950	ऋ 0960	० 0970
1	ँ 0901	ऑ 0911	ड 0921	ॠ 0931	ु 0941	ं 0951	ृ 0961	ॠ 0971
2	ं 0902	ओ 0912	ढ 0922	ल 0932	ॡ 0942	ॢ 0952	ॣ 0962	ँ 0972
3	ः 0903	ओ 0913	ण 0923	ळ 0933	। 0943	॥ 0953	॥ 0963	
4	ॡ 0904	औ 0914	त 0924	ळ 0934	॥ 0944	॥ 0954	॥ 0964	
5	अ 0905	क 0915	थ 0925	व 0935	ँ 0945	ँ 0955	॥ 0965	
6	आ 0906	ख 0916	द 0926	श 0936	॥ 0946		० 0966	
7	इ 0907	ग 0917	ध 0927	ष 0937	॥ 0947		१ 0967	
8	ई 0908	घ 0918	न 0928	स 0938	॥ 0948	ॠ 0958	ॠ 0968	
9	उ 0909	ङ 0919	न 0929	ह 0939	ँ 0949	ख 0959	३ 0969	ज़ 0979
A	ऊ 090A	च 091A	प 092A		ो 094A	ग 095A	४ 096A	ष 097A
B	ॠ 090B	छ 091B	फ 092B		ो 094B	ज़ 095B	५ 096B	ग 097B
C	ॡ 090C	ज 091C	ब 092C	॥ 093C	ौ 094C	ड 095C	६ 096C	ज़ 097C
D	ँ 090D	झ 091D	भ 092D	॥ 093D	॥ 094D	ढ 095D	७ 096D	१ 097D
E	ँ 090E	ञ 091E	म 092E	ा 093E	ि 094E	फ़ 095E	८ 096E	ड 097E
F	ए 090F	ट 091F	य 092F	ि 093F		य 095F	९ 096F	ब 097F

**Various signs**

0900	ँ	DEVANAGARI SIGN INVERTED CANDRABINDU = vaidika adhomukha candrabindu
0901	ं	DEVANAGARI SIGN CANDRABINDU = anunasika → 0310 ँ combining candrabindu
0902	॰	DEVANAGARI SIGN ANUSVARA = bindu
0903	ः	DEVANAGARI SIGN VISARGA

**Independent vowels**

0904	अ	DEVANAGARI LETTER SHORT A
0905	आ	DEVANAGARI LETTER A
0906	आ	DEVANAGARI LETTER AA
0907	इ	DEVANAGARI LETTER I
0908	ई	DEVANAGARI LETTER II
0909	उ	DEVANAGARI LETTER U
090A	ऊ	DEVANAGARI LETTER UU
090B	ऋ	DEVANAGARI LETTER VOCALIC R
090C	ॠ	DEVANAGARI LETTER VOCALIC L
090D	ँ	DEVANAGARI LETTER CANDRA E
090E	ँ	DEVANAGARI LETTER SHORT E • for transcribing Dravidian short e
090F	ए	DEVANAGARI LETTER E
0910	ऐ	DEVANAGARI LETTER AI
0911	ऑ	DEVANAGARI LETTER CANDRA O
0912	ओ	DEVANAGARI LETTER SHORT O • for transcribing Dravidian short o
0913	औ	DEVANAGARI LETTER O
0914	औ	DEVANAGARI LETTER AU

**Consonants**

0915	क	DEVANAGARI LETTER KA
0916	ख	DEVANAGARI LETTER KHA
0917	ग	DEVANAGARI LETTER GA
0918	घ	DEVANAGARI LETTER GHA
0919	ङ	DEVANAGARI LETTER NGA
091A	च	DEVANAGARI LETTER CA
091B	छ	DEVANAGARI LETTER CHA
091C	ज	DEVANAGARI LETTER JA
091D	झ	DEVANAGARI LETTER JHA
091E	ञ	DEVANAGARI LETTER NYA
091F	ट	DEVANAGARI LETTER TTA
0920	ठ	DEVANAGARI LETTER TTHA
0921	ड	DEVANAGARI LETTER DDA
0922	ढ	DEVANAGARI LETTER DDHA
0923	ण	DEVANAGARI LETTER NNA
0924	त	DEVANAGARI LETTER TA
0925	थ	DEVANAGARI LETTER THA
0926	द	DEVANAGARI LETTER DA
0927	ध	DEVANAGARI LETTER DHA
0928	न	DEVANAGARI LETTER NA
0929	न्	DEVANAGARI LETTER NNNA • for transcribing Dravidian alveolar n ≡ 0928 न 093C ण
092A	प	DEVANAGARI LETTER PA
092B	फ	DEVANAGARI LETTER PHA
092C	ब	DEVANAGARI LETTER BA
092D	भ	DEVANAGARI LETTER BHA
092E	म	DEVANAGARI LETTER MA
092F	य	DEVANAGARI LETTER YA
0930	र	DEVANAGARI LETTER RA

0931	ऌ	DEVANAGARI LETTER RRA • for transcribing Dravidian alveolar r • half form is represented as “Eyelash RA” ≡ 0930 र 093C ण
0932	ल	DEVANAGARI LETTER LA
0933	ळ	DEVANAGARI LETTER LLA
0934	ळ	DEVANAGARI LETTER LLLA • for transcribing Dravidian l ≡ 0933 ळ 093C ण
0935	व	DEVANAGARI LETTER VA
0936	श	DEVANAGARI LETTER SHA
0937	ष	DEVANAGARI LETTER SSA
0938	स	DEVANAGARI LETTER SA
0939	ह	DEVANAGARI LETTER HA

**Various signs**

093C	◌	DEVANAGARI SIGN NUKTA • for extending the alphabet to new letters
093D	ऽ	DEVANAGARI SIGN AVAGRAHA

**Dependent vowel signs**

093E	◌ा	DEVANAGARI VOWEL SIGN AA
093F	◌ि	DEVANAGARI VOWEL SIGN I • stands to the left of the consonant
0940	◌ी	DEVANAGARI VOWEL SIGN II
0941	◌ु	DEVANAGARI VOWEL SIGN U
0942	◌ू	DEVANAGARI VOWEL SIGN UU
0943	◌ृ	DEVANAGARI VOWEL SIGN VOCALIC R
0944	◌ॠ	DEVANAGARI VOWEL SIGN VOCALIC RR
0945	◌ँ	DEVANAGARI VOWEL SIGN CANDRA E = candra
0946	◌ँ	DEVANAGARI VOWEL SIGN SHORT E • for transcribing Dravidian vowels
0947	◌े	DEVANAGARI VOWEL SIGN E
0948	◌ै	DEVANAGARI VOWEL SIGN AI
0949	◌ॉ	DEVANAGARI VOWEL SIGN CANDRA O
094A	◌ौ	DEVANAGARI VOWEL SIGN SHORT O • for transcribing Dravidian vowels
094B	◌ो	DEVANAGARI VOWEL SIGN O
094C	◌ौ	DEVANAGARI VOWEL SIGN AU

**Virama**

094D	◌्	DEVANAGARI SIGN VIRAMA = halant (the preferred Hindi name) • suppresses inherent vowel
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**Archaic dependent vowel sign**

094E	◌ा	DEVANAGARI VOWEL SIGN PRISHTHAMATRA E • character has historic use only • combines with E to form AI, with AA to form O, and with O to form AU
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**Sign**

0950	ॐ	DEVANAGARI OM
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**Vedic tone marks**

0951	◌ँ	DEVANAGARI STRESS SIGN UDATTA = Vedic tone svarita • mostly used for Rigvedic svarita, with rare use for Yajurvedic udatta • used also in Vedic texts written in other scripts → 1CDA ◌ँ vedic tone double svarita
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- 0952 ◌ DEVANAGARI STRESS SIGN ANUDATTA  
= Vedic tone anudatta  
• used also in Vedic texts written in other scripts  
→ 1CDC ◌ vedic tone kathaka anudatta

**Accent marks**

- 0953 ̀ DEVANAGARI GRAVE ACCENT  
→ 0300 ̀ combining grave accent
- 0954 ́ DEVANAGARI ACUTE ACCENT  
→ 0301 ́ combining acute accent
- 0955 ̄ DEVANAGARI VOWEL SIGN CANDRA LONG E  
• used in transliteration of Avestan

**Additional consonants**

- 0958 क़ DEVANAGARI LETTER QA  
≡ 0915 क़ 093C ◌
- 0959 ख़ DEVANAGARI LETTER KHHA  
≡ 0916 ख़ 093C ◌
- 095A ग़ DEVANAGARI LETTER GHHA  
≡ 0917 ग़ 093C ◌
- 095B ज़ DEVANAGARI LETTER ZA  
≡ 091C ज़ 093C ◌
- 095C ङ़ DEVANAGARI LETTER DDDHA  
≡ 0921 ङ़ 093C ◌
- 095D ढ़ DEVANAGARI LETTER RHA  
≡ 0922 ढ़ 093C ◌
- 095E फ़ DEVANAGARI LETTER FA  
≡ 092B फ़ 093C ◌
- 095F य़ DEVANAGARI LETTER YYA  
≡ 092F य़ 093C ◌

**Additional vowels for Sanskrit**

- 0960 ऀ DEVANAGARI LETTER VOCALIC RR
- 0961 ॠ DEVANAGARI LETTER VOCALIC LL
- 0962 ॡ DEVANAGARI VOWEL SIGN VOCALIC L
- 0963 ॢ DEVANAGARI VOWEL SIGN VOCALIC LL

**Generic punctuation for scripts of India**

*These punctuation marks are for common use for the scripts of India despite being named "DEVANAGARI".*

- 0964 । DEVANAGARI DANDA  
= purna viram  
• phrase separator
- 0965 ॥ DEVANAGARI DOUBLE DANDA  
= deergh viram

**Digits**

- 0966 ० DEVANAGARI DIGIT ZERO
- 0967 १ DEVANAGARI DIGIT ONE
- 0968 २ DEVANAGARI DIGIT TWO
- 0969 ३ DEVANAGARI DIGIT THREE
- 096A ४ DEVANAGARI DIGIT FOUR
- 096B ५ DEVANAGARI DIGIT FIVE
- 096C ६ DEVANAGARI DIGIT SIX
- 096D ७ DEVANAGARI DIGIT SEVEN
- 096E ८ DEVANAGARI DIGIT EIGHT
- 096F ९ DEVANAGARI DIGIT NINE

**Devanagari-specific additions**

- 0970 ° DEVANAGARI ABBREVIATION SIGN
- 0971 · DEVANAGARI SIGN HIGH SPACING DOT

**Additional vowel for Marathi**

- 0972 ॠ DEVANAGARI LETTER CANDRA A  
• Marathi

**Additional consonants**

- 0979 ज़ DEVANAGARI LETTER ZHA  
• used in transliteration of Avestan
- 097A य़ DEVANAGARI LETTER HEAVY YA  
• used for an affricated glide JJYA

**Sindhi implosives**

- 097B ङ़ DEVANAGARI LETTER GGA
- 097C ञ़ DEVANAGARI LETTER JJA

**Glottal stop**

- 097D ʔ DEVANAGARI LETTER GLOTTAL STOP  
• used for writing Limbu in Devanagari  
• a glyph variant has the connecting top bar

**Sindhi implosives**

- 097E ɽ DEVANAGARI LETTER DDDA
- 097F ɰ DEVANAGARI LETTER BBA

	098	099	09A	09B	09C	09D	09E	09F
0		ঈ 0990	ঊ 09A0	ঋ 09B0	ঌ 09C0		঍ 09E0	঎ 09F0
1	ঐ 0981		ঔ 09A1		ড 09C1		ণ 09E1	ত 09F1
2	ঢ 0982		ঢ 09A2	ণ 09B2	ত্ৰ 09C2		ত্ৰ 09E2	ত্ৰ 09F2
3	ত্ৰ 0983	ঙ 0993	ভ 09A3		ত্ৰ 09C3		ত্ৰ 09E3	ত্ৰ 09F3
4		ঙ 0994	ভ 09A4		ত্ৰ 09C4			ত্ৰ 09F4
5	অ 0985	ক 0995	খ 09A5					খ 09F5
6	আ 0986	খ 0996	দ 09A6	শ 09B6			০ 09E6	৩ 09F6
7	ই 0987	গ 0997	ঘ 09A7	ষ 09B7	ে 09C7	ো 09D7	১ 09E7	। 09F7
8	ঈ 0988	ম 0998	ন 09A8	স 09B8	ৈ 09C8		২ 09E8	৮ 09F8
9	ঊ 0989	ঙ 0999		হ 09B9			৩ 09E9	০ 09F9
A	ঊ 098A	চ 099A	প 09AA				৪ 09EA	৯ 09FA
B	ঋ 098B	ছ 099B	ফ 09AB		ৌ 09CB		৫ 09EB	৬ 09FB
C	ঌ 098C	জ 099C	ব 09AC	় 09BC	ৌ 09CC	ড় 09DC	৬ 09EC	
D		ঝ 099D	ভ 09AD	ৎ 09BD	্ 09CD	ঢ 09DD	৭ 09ED	
E		ঞ 099E	ম 09AE	া 09BE	ৎ 09CE		৮ 09EE	
F	এ 098F	ট 099F	ষ 09AF	ি 09BF		য় 09DF	৯ 09EF	

**Various signs**

0981	◌ঁ	BENGALI SIGN CANDRABINDU
0982	◌া্	BENGALI SIGN ANUSVARA
0983	◌া্ঃ	BENGALI SIGN VISARGA

**Independent vowels**

0985	অ	BENGALI LETTER A
0986	আ	BENGALI LETTER AA
0987	ই	BENGALI LETTER I
0988	ঈ	BENGALI LETTER II
0989	উ	BENGALI LETTER U
098A	ঊ	BENGALI LETTER UU
098B	ঋ	BENGALI LETTER VOCALIC R
098C	ঌ	BENGALI LETTER VOCALIC L
098D	◌	<reserved>
098E	◌	<reserved>
098F	এ	BENGALI LETTER E
0990	ঐ	BENGALI LETTER AI
0991	◌	<reserved>
0992	◌	<reserved>
0993	ও	BENGALI LETTER O
0994	ঔ	BENGALI LETTER AU

**Consonants**

0995	ক	BENGALI LETTER KA
0996	খ	BENGALI LETTER KHA
0997	গ	BENGALI LETTER GA
0998	ঘ	BENGALI LETTER GHA
0999	ঙ	BENGALI LETTER NGA
099A	চ	BENGALI LETTER CA
099B	ছ	BENGALI LETTER CHA
099C	জ	BENGALI LETTER JA
099D	ঝ	BENGALI LETTER JHA
099E	ঞ	BENGALI LETTER NYA
099F	ট	BENGALI LETTER TTA
09A0	ঠ	BENGALI LETTER TTHA
09A1	ড	BENGALI LETTER DDA
09A2	ঢ	BENGALI LETTER DDHA
09A3	ণ	BENGALI LETTER NNA
09A4	ত	BENGALI LETTER TA
09A5	থ	BENGALI LETTER THA
09A6	দ	BENGALI LETTER DA
09A7	ধ	BENGALI LETTER DHA
09A8	ন	BENGALI LETTER NA
09A9	◌	<reserved>
09AA	প	BENGALI LETTER PA
09AB	ফ	BENGALI LETTER PHA
09AC	ব	BENGALI LETTER BA = Bengali va, wa
09AD	ভ	BENGALI LETTER BHA
09AE	ম	BENGALI LETTER MA
09AF	য	BENGALI LETTER YA
09B0	র	BENGALI LETTER RA
09B1	◌	<reserved>
09B2	ল	BENGALI LETTER LA
09B3	◌	<reserved>
09B4	◌	<reserved>
09B5	◌	<reserved>
09B6	শ	BENGALI LETTER SHA
09B7	ষ	BENGALI LETTER SSA
09B8	স	BENGALI LETTER SA
09B9	হ	BENGALI LETTER HA

**Various signs**

09BC	◌্	BENGALI SIGN NUKTA • for extending the alphabet to new letters
09BD	◌্ঃ	BENGALI SIGN AVAGRAHA

**Dependent vowel signs**

09BE	◌া়	BENGALI VOWEL SIGN AA
09BF	◌ি়	BENGALI VOWEL SIGN I • stands to the left of the consonant
09C0	◌ী়	BENGALI VOWEL SIGN II
09C1	◌ু়	BENGALI VOWEL SIGN U
09C2	◌ূ়	BENGALI VOWEL SIGN UU
09C3	◌্ৰ	BENGALI VOWEL SIGN VOCALIC R
09C4	◌্ৰ়	BENGALI VOWEL SIGN VOCALIC RR
09C5	◌	<reserved>
09C6	◌	<reserved>
09C7	◌ে়	BENGALI VOWEL SIGN E • stands to the left of the consonant
09C8	◌ে়়	BENGALI VOWEL SIGN AI • stands to the left of the consonant

**Two-part dependent vowel signs**

These vowel signs have glyph pieces which stand on both sides of the consonant; they follow the consonant in logical order, and should be handled as a unit for most processing.

09CB	◌ে়়	BENGALI VOWEL SIGN O ≡ 09C7◌ে় 09BE◌ে়়
09CC	◌ে়়	BENGALI VOWEL SIGN AU ≡ 09C7◌ে় 09D7◌ে়়

**Virama**

09CD	◌্	BENGALI SIGN VIRAMA = hasant (Bengali term for halant)
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**Additional consonant**

09CE	◌্	BENGALI LETTER KHANDA TA • a dead consonant form of ta, without implicit vowel, used in some sequences
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**Sign**

09D7	◌ে়়	BENGALI AU LENGTH MARK
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**Additional consonants**

09DC	◌্	BENGALI LETTER RRA ≡ 09A1◌্ 09BC◌্
09DD	◌্	BENGALI LETTER RHA ≡ 09A2◌্ 09BC◌্
09DE	◌	<reserved>
09DF	◌্	BENGALI LETTER YYA ≡ 09AF◌্ 09BC◌্

**Additional vowels for Sanskrit**

09E0	◌্	BENGALI LETTER VOCALIC RR
09E1	◌্	BENGALI LETTER VOCALIC LL
09E2	◌্	BENGALI VOWEL SIGN VOCALIC L
09E3	◌্	BENGALI VOWEL SIGN VOCALIC LL

**Reserved**

For viram punctuation, use the generic Indic 0964 and 0965.

09E4	◌	<reserved> → 0964 I devanagari danda
09E5	◌	<reserved> → 0965 II devanagari double danda

**Digits**

09E6	◌	BENGALI DIGIT ZERO
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09E7	১	BENGALI DIGIT ONE
09E8	২	BENGALI DIGIT TWO
09E9	৩	BENGALI DIGIT THREE
09EA	৪	BENGALI DIGIT FOUR
09EB	৫	BENGALI DIGIT FIVE
09EC	৬	BENGALI DIGIT SIX
09ED	৭	BENGALI DIGIT SEVEN
09EE	৮	BENGALI DIGIT EIGHT
09EF	৯	BENGALI DIGIT NINE

**Bengali-specific additions**

09F0	৺	BENGALI LETTER RA WITH MIDDLE DIAGONAL
		• Assamese
09F1	৻	BENGALI LETTER RA WITH LOWER DIAGONAL
		= bengali letter va with lower diagonal (1.0)
		• Assamese
09F2	ৼ	BENGALI RUPEE MARK
09F3	৽	BENGALI RUPEE SIGN
09F4	৾	BENGALI CURRENCY NUMERATOR ONE
		• not in current usage
09F5	৿	BENGALI CURRENCY NUMERATOR TWO
		• not in current usage
09F6	৾	BENGALI CURRENCY NUMERATOR THREE
		• not in current usage
09F7	৿	BENGALI CURRENCY NUMERATOR FOUR
09F8	৾	BENGALI CURRENCY NUMERATOR ONE LESS THAN THE DENOMINATOR
09F9	৾	BENGALI CURRENCY DENOMINATOR SIXTEEN
09FA	৾	BENGALI ISSHAR
09FB	৾	BENGALI GANDA MARK



	0A0	0A1	0A2	0A3	0A4	0A5	0A6	0A7
0		ਐ 0A10	ਠ 0A20	ਰ 0A30	ੀ 0A40			ੰ 0A70
1	ੳ 0A01		ਙ 0A21		ੳ 0A41	ੳ 0A51		ੳ 0A71
2	ੰ 0A02		ਢ 0A22	ਲ 0A32	ੳ 0A42			ੳ 0A72
3	ੰ 0A03	ਓ 0A13	ਲ 0A23	ਲ 0A33				ੳ 0A73
4		ਐ 0A14	ਤ 0A24					ੳ 0A74
5	ਅ 0A05	ਕ 0A15	ਥ 0A25	ਵ 0A35				ੳ 0A75
6	ਆ 0A06	ਖ 0A16	ਦ 0A26	ਸ਼ 0A36			ੳ 0A66	
7	ਇ 0A07	ਗ 0A17	ਧ 0A27		ੇ 0A47		ੳ 0A67	
8	ਈ 0A08	ਘ 0A18	ਨ 0A28	ਸ 0A38	ੈ 0A48		ੳ 0A68	
9	ਉ 0A09	ਙ 0A19		ਹ 0A39		ਖ 0A59	ੳ 0A69	
A	ੳ 0A0A	ਚ 0A1A	ਪ 0A2A			ਗ 0A5A	ੳ 0A6A	
B		ਢ 0A1B	ਢ 0A2B		ੳ 0A4B	ਜ 0A5B	ੳ 0A6B	
C		ਜ 0A1C	ਬ 0A2C	ੳ 0A3C	ੳ 0A4C	ੳ 0A5C	ੳ 0A6C	
D		ੳ 0A1D	ਭ 0A2D		ੳ 0A4D		ੳ 0A6D	
E		ੳ 0A1E	ਮ 0A2E	ਾ 0A3E		ੳ 0A5E	ੳ 0A6E	
F	ੳ 0A0F	ੳ 0A1F	ੳ 0A2F	ੳ 0A3F			ੳ 0A6F	

**Various signs**

0A01	◌̣	GURMUKHI SIGN ADAK BINDI
0A02	◌̇	GURMUKHI SIGN BINDI
0A03	◌̈́	GURMUKHI SIGN VISARGA

**Independent vowels**

0A05	ਅ	GURMUKHI LETTER A = aira
0A06	ਆ	GURMUKHI LETTER AA
0A07	ਇ	GURMUKHI LETTER I
0A08	ਈ	GURMUKHI LETTER II
0A09	ਉ	GURMUKHI LETTER U
0A0A	ਊ	GURMUKHI LETTER UU
0A0B	◌̣	<reserved>
0A0C	◌̇	<reserved>
0A0D	◌̈́	<reserved>
0A0E	◌̣	<reserved>
0A0F	ੲ	GURMUKHI LETTER EE
0A10	ਐ	GURMUKHI LETTER AI
0A11	◌̣	<reserved>
0A12	◌̇	<reserved>
0A13	ੳ	GURMUKHI LETTER OO
0A14	ਔ	GURMUKHI LETTER AU

**Consonants**

0A15	ਕ	GURMUKHI LETTER KA
0A16	ਖ	GURMUKHI LETTER KHA
0A17	ਗ	GURMUKHI LETTER GA
0A18	ਘ	GURMUKHI LETTER GHA
0A19	ਙ	GURMUKHI LETTER NGA
0A1A	ਚ	GURMUKHI LETTER CA
0A1B	ਛ	GURMUKHI LETTER CHA
0A1C	ਜ	GURMUKHI LETTER JA
0A1D	ਝ	GURMUKHI LETTER JHA
0A1E	ਞ	GURMUKHI LETTER NYA
0A1F	ਟ	GURMUKHI LETTER TTA
0A20	ਠ	GURMUKHI LETTER TTHA
0A21	ਡ	GURMUKHI LETTER DDA
0A22	ਢ	GURMUKHI LETTER DDHA
0A23	ਣ	GURMUKHI LETTER NNA
0A24	ਤ	GURMUKHI LETTER TA
0A25	ਥ	GURMUKHI LETTER THA
0A26	ਦ	GURMUKHI LETTER DA
0A27	ਧ	GURMUKHI LETTER DHA
0A28	ਨ	GURMUKHI LETTER NA
0A29	◌̣	<reserved>
0A2A	ਪ	GURMUKHI LETTER PA
0A2B	ਫ	GURMUKHI LETTER PHA
0A2C	ਬ	GURMUKHI LETTER BA
0A2D	ਭ	GURMUKHI LETTER BHA
0A2E	ਮ	GURMUKHI LETTER MA
0A2F	ਯ	GURMUKHI LETTER YA
0A30	ਰ	GURMUKHI LETTER RA
0A31	◌̣	<reserved>
0A32	ਲ	GURMUKHI LETTER LA
0A33	ਲ਼	GURMUKHI LETTER LLA ≡ 0A32 ਲ਼ 0A3C ◌̣
0A34	◌̣	<reserved>
0A35	ਵ	GURMUKHI LETTER VA
0A36	ਸ਼	GURMUKHI LETTER SHA ≡ 0A38 ਸ਼ 0A3C ◌̣
0A37	◌̣	<reserved>

0A38	ਸ਼	GURMUKHI LETTER SA
0A39	ਹ਼	GURMUKHI LETTER HA

**Various signs**

0A3C	◌̣	GURMUKHI SIGN NUKTA = pairin bindi • for extending the alphabet to new letters
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**Dependent vowel signs**

0A3E	◌̣	GURMUKHI VOWEL SIGN AA = kanna
0A3F	◌̇	GURMUKHI VOWEL SIGN I = sihari • stands to the left of the consonant
0A40	◌̈́	GURMUKHI VOWEL SIGN II = bihari
0A41	◌̣	GURMUKHI VOWEL SIGN U = aunkar
0A42	◌̇	GURMUKHI VOWEL SIGN UU = dulainkar
0A43	◌̣	<reserved>
0A44	◌̇	<reserved>
0A45	◌̈́	<reserved>
0A46	◌̣	<reserved>
0A47	◌̇	GURMUKHI VOWEL SIGN EE = lanvan
0A48	◌̈́	GURMUKHI VOWEL SIGN AI = dulanvan
0A49	◌̣	<reserved>
0A4A	◌̇	<reserved>
0A4B	◌̈́	GURMUKHI VOWEL SIGN OO = hora
0A4C	◌̣	GURMUKHI VOWEL SIGN AU = kanaura

**Virama**

0A4D	◌̣	GURMUKHI SIGN VIRAMA
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**Sign**

0A51	◌̣	GURMUKHI SIGN UDAAT
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**Additional consonants**

0A59	ਖ਼	GURMUKHI LETTER KHHA ≡ 0A16 ਖ਼ 0A3C ◌̣
0A5A	ਗ਼	GURMUKHI LETTER GHHA ≡ 0A17 ਗ਼ 0A3C ◌̣
0A5B	ਜ਼	GURMUKHI LETTER ZA ≡ 0A1C ਜ਼ 0A3C ◌̣
0A5C	ਝ਼	GURMUKHI LETTER RRA
0A5D	◌̣	<reserved>
0A5E	ਫ਼	GURMUKHI LETTER FA ≡ 0A2B ਫ਼ 0A3C ◌̣

**Reserved**

For viram punctuation, use the generic Indic 0964 and 0965.

0A64	◌̣	<reserved> → 0964 I devanagari danda
0A65	◌̇	<reserved> → 0965 II devanagari double danda

**Digits**

0A66	੦	GURMUKHI DIGIT ZERO
0A67	੧	GURMUKHI DIGIT ONE
0A68	੨	GURMUKHI DIGIT TWO
0A69	੩	GURMUKHI DIGIT THREE
0A6A	੪	GURMUKHI DIGIT FOUR

0A6B ੫ GURMUKHI DIGIT FIVE  
0A6C ੬ GURMUKHI DIGIT SIX  
0A6D ੭ GURMUKHI DIGIT SEVEN  
0A6E ੮ GURMUKHI DIGIT EIGHT  
0A6F ੯ GURMUKHI DIGIT NINE

**Gurmukhi-specific additions**

0A70 ੱ GURMUKHI TIPPI  
• nasalization  
0A71 ੱ GURMUKHI ADDAK  
• doubles following consonant  
0A72 ਎ GURMUKHI IRI  
• base for vowels  
0A73 ਊ GURMUKHI URA  
• base for vowels  
0A74 ੜ GURMUKHI EK ONKAR  
• God is One  
0A75 ੜ GURMUKHI SIGN YAKASH

	0A8	0A9	0AA	0AB	0AC	0AD	0AE	0AF
0		ૐ 0A90	ઠ 0AA0	૨ 0AB0	ી 0AC0	ૐ 0AD0	૝ 0AE0	
1	ૐ 0A81	ૐ 0A91	ડ 0AA1		ુ 0AC1		૞ 0AE1	૞૦ 0AF1
2	ં 0A82		ઢ 0AA2	લ 0AB2	ુ 0AC2		૞૦ 0AE2	
3	ઃ 0A83	ૐ 0A93	ણ 0AA3	ળ 0AB3	ુ 0AC3		૞૦ 0AE3	
4		ૐ 0A94	ત 0AA4		ુ 0AC4			
5	અ 0A85	ક 0A95	થ 0AA5	વ 0AB5	ં 0AC5			
6	આ 0A86	ખ 0A96	દ 0AA6	શ 0AB6			૦ 0AE6	
7	ઈ 0A87	ગ 0A97	ધ 0AA7	પ 0AB7	ે 0AC7		૧ 0AE7	
8	ઈ 0A88	ઘ 0A98	ન 0AA8	સ 0AB8	ૈ 0AC8		૨ 0AE8	
9	ઉ 0A89	ડ 0A99		હ 0AB9	ૌ 0AC9		૩ 0AE9	
A	ઊ 0A8A	ચ 0A9A	પ 0AA9				૪ 0AEA	
B	૝ 0A8B	છ 0A9B	જ 0AAB		ૌ 0ACB		૫ 0AEB	
C	જ 0A8C	ઝ 0A9C	ઞ 0AAC	઼ 0ABC	ૌ 0ACC		૬ 0AEC	
D	ઞ 0A8D	ઝ 0A9D	ઞ 0AAD	ડ 0ABD	ૌ 0ACD		૭ 0AED	
E		ઞ 0A9E	ઞ 0AAE	ા 0ABE			૮ 0AEE	
F	એ 0A8F	ટ 0A9F	ય 0AAF	િ 0ABF			૯ 0AEF	

**Various signs**

0A81	ँ	GUJARATI SIGN CANDRABINDU
0A82	ं	GUJARATI SIGN ANUSVARA
0A83	ः	GUJARATI SIGN VISARGA

**Independent vowels**

0A85	अ	GUJARATI LETTER A
0A86	आ	GUJARATI LETTER AA
0A87	इ	GUJARATI LETTER I
0A88	ई	GUJARATI LETTER II
0A89	उ	GUJARATI LETTER U
0A8A	ऊ	GUJARATI LETTER UU
0A8B	ऋ	GUJARATI LETTER VOCALIC R
0A8C	ॠ	GUJARATI LETTER VOCALIC L
		• used with Sanskrit text
0A8D	ँ	GUJARATI VOWEL CANDRA E
0A8E	◻	<reserved>
0A8F	अ	GUJARATI LETTER E
0A90	ऐ	GUJARATI LETTER AI
0A91	आँ	GUJARATI VOWEL CANDRA O
0A92	◻	<reserved>
0A93	अ	GUJARATI LETTER O
0A94	औ	GUJARATI LETTER AU

**Consonants**

0A95	ક	GUJARATI LETTER KA
0A96	ખ	GUJARATI LETTER KHA
0A97	ગ	GUJARATI LETTER GA
0A98	ઘ	GUJARATI LETTER GHA
0A99	ંગ	GUJARATI LETTER NGA
0A9A	ચ	GUJARATI LETTER CA
0A9B	છ	GUJARATI LETTER CHA
0A9C	જ	GUJARATI LETTER JA
0A9D	ઝ	GUJARATI LETTER JHA
0A9E	ઞ	GUJARATI LETTER NYA
0A9F	ટ	GUJARATI LETTER TTA
0AA0	ઠ	GUJARATI LETTER TTHA
0AA1	ડ	GUJARATI LETTER DDA
0AA2	ઢ	GUJARATI LETTER DDHA
0AA3	ણ	GUJARATI LETTER NNA
0AA4	ત	GUJARATI LETTER TA
0AA5	થ	GUJARATI LETTER THA
0AA6	દ	GUJARATI LETTER DA
0AA7	ધ	GUJARATI LETTER DHA
0AA8	ન	GUJARATI LETTER NA
0AA9	◻	<reserved>
0AAA	પ	GUJARATI LETTER PA
0AAB	ફ	GUJARATI LETTER PHA
0AAC	બ	GUJARATI LETTER BA
0AAD	ભ	GUJARATI LETTER BHA
0AAE	મ	GUJARATI LETTER MA
0AAF	ય	GUJARATI LETTER YA
0AB0	ર	GUJARATI LETTER RA
0AB1	◻	<reserved>
0AB2	લ	GUJARATI LETTER LA
0AB3	ળ	GUJARATI LETTER LLA
0AB4	◻	<reserved>
0AB5	વ	GUJARATI LETTER VA
0AB6	શ	GUJARATI LETTER SHA
0AB7	ષ	GUJARATI LETTER SSA
0AB8	સ	GUJARATI LETTER SA
0AB9	હ	GUJARATI LETTER HA

**Various signs**

0ABC	◌્	GUJARATI SIGN NUKTA
		• for extending the alphabet to new letters
0ABD	◌્ઠ	GUJARATI SIGN AVAGRAHA

**Dependent vowel signs**

0ABE	◌્ઞ	GUJARATI VOWEL SIGN AA
0ABF	◌્ઙ	GUJARATI VOWEL SIGN I
		• stands to the left of the consonant
0AC0	◌્ઙ્ઙ	GUJARATI VOWEL SIGN II
0AC1	◌્ઙ્ઙ્ઙ	GUJARATI VOWEL SIGN U
0AC2	◌્ઙ્ઙ્ઙ્ઙ	GUJARATI VOWEL SIGN UU
0AC3	◌્ઙ્ઙ્ઙ્ઙ્ઙ	GUJARATI VOWEL SIGN VOCALIC R
0AC4	◌્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ	GUJARATI VOWEL SIGN VOCALIC RR
0AC5	◌્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ	GUJARATI VOWEL SIGN CANDRA E
0AC6	◻	<reserved>
0AC7	◌્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ	GUJARATI VOWEL SIGN E
0AC8	◌્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ	GUJARATI VOWEL SIGN AI
0AC9	◌્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ	GUJARATI VOWEL SIGN CANDRA O
0ACA	◻	<reserved>
0ACB	◌્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ	GUJARATI VOWEL SIGN O
0ACC	◌્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ	GUJARATI VOWEL SIGN AU

**Virama**

0ACD	◌્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ	GUJARATI SIGN VIRAMA
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**Various signs**

0AD0	ॐ	GUJARATI OM
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**Additional vowels for Sanskrit**

0AE0	◌્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ	GUJARATI LETTER VOCALIC RR
0AE1	◌્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ	GUJARATI LETTER VOCALIC LL
0AE2	◌્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ	GUJARATI VOWEL SIGN VOCALIC L
0AE3	◌્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ્ઙ	GUJARATI VOWEL SIGN VOCALIC LL

**Reserved**

For viram punctuation, use the generic Indic 0964 and 0965.

0AE4	◻	<reserved>
		→ 0964 I devanagari danda
0AE5	◻	<reserved>
		→ 0965 II devanagari double danda

**Digits**

0AE6	૦	GUJARATI DIGIT ZERO
0AE7	૧	GUJARATI DIGIT ONE
0AE8	૨	GUJARATI DIGIT TWO
0AE9	૩	GUJARATI DIGIT THREE
0AEA	૪	GUJARATI DIGIT FOUR
0AEB	૫	GUJARATI DIGIT FIVE
0AEC	૬	GUJARATI DIGIT SIX
0AED	૭	GUJARATI DIGIT SEVEN
0AEE	૮	GUJARATI DIGIT EIGHT
0AEF	૯	GUJARATI DIGIT NINE

**Currency sign**

0AF1	₹	GUJARATI RUPEE SIGN
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	0B0	0B1	0B2	0B3	0B4	0B5	0B6	0B7
0		ଂ 0B10	୦ 0B20	ର 0B30	଼ 0B40		ୠ 0B60	ୡ 0B70
1	ୢ 0B01		ୣ 0B21		୤ 0B41		୦ 0B61	ୠ 0B71
2	୥ 0B02		୦ 0B22	ୠ 0B32	ୡ 0B42		ୢ 0B62	
3	ୣ 0B03	୦ 0B13	ୠ 0B23	ୠ 0B33	ୢ 0B43		୤ 0B63	
4		୤ 0B14	ୣ 0B24		୥ 0B44			
5	ୡ 0B05	ୠ 0B15	ୡ 0B25	ୢ 0B35				
6	ୡ 0B06	ୠ 0B16	ୣ 0B26	ୠ 0B36		ୣ 0B56	୦ 0B66	
7	ୠ 0B07	ୠ 0B17	ୡ 0B27	ୡ 0B37	୤ 0B47	୤ 0B57	ୠ 0B67	
8	ୠ 0B08	ୠ 0B18	ୠ 0B28	ୡ 0B38	୤ 0B48		ୠ 0B68	
9	ୠ 0B09	ୠ 0B19		ୡ 0B39			ୠ 0B69	
A	ୠ 0B0A	ୠ 0B1A	ୡ 0B2A				ୡ 0B6A	
B	ୠ 0B0B	ୠ 0B1B	ୡ 0B2B		୤ 0B4B		ୠ 0B6B	
C	ୠ 0B0C	ୠ 0B1C	ୠ 0B2C	୤ 0B3C	୤ 0B4C	ୠ 0B5C	ୠ 0B6C	
D		ୠ 0B1D	ୠ 0B2D	୤ 0B3D	୤ 0B4D	ୠ 0B5D	ୠ 0B6D	
E		ୠ 0B1E	ୠ 0B2E	୤ 0B3E			ୠ 0B6E	
F	ୠ 0B0F	ୠ 0B1F	ୠ 0B2F	୤ 0B3F		ୠ 0B5F	ୠ 0B6F	



**Digits**

0B66	୦	ORIYA DIGIT ZERO
0B67	୧	ORIYA DIGIT ONE
0B68	୨	ORIYA DIGIT TWO
0B69	୩	ORIYA DIGIT THREE
0B6A	୪	ORIYA DIGIT FOUR
0B6B	୫	ORIYA DIGIT FIVE
0B6C	୬	ORIYA DIGIT SIX
0B6D	୭	ORIYA DIGIT SEVEN
0B6E	୮	ORIYA DIGIT EIGHT
0B6F	୯	ORIYA DIGIT NINE

**Oriya-specific additions**

0B70	✓	ORIYA ISSHAR
0B71	ୱ	ORIYA LETTER WA
		→ 0B13 ୱ oriya letter o
		→ 0B35 ୱ oriya letter va



	0B8	0B9	0BA	0BB	0BC	0BD	0BE	0BF
0		ஐ 0B90		ர 0BB0	ீ 0BC0	ஐ 0BD0		ய 0BF0
1				ற 0BB1	ு 0BC1			ள 0BF1
2	ஃ 0B82	ஓ 0B92		ல 0BB2	ூ 0BC2			சு 0BF2
3	ஃ 0B83	ஓ 0B93	ண 0BA3	ள 0BB3				உ 0BF3
4		ஐ 0B94	த 0BA4	ழ 0BB4				மீ 0BF4
5	அ 0B85	க 0B95		வ 0BB5				ஶ 0BF5
6	ஆ 0B86			ஶ 0BB6	ெ 0BC6		஠ 0BE6	யு 0BF6
7	இ 0B87			ஷ 0BB7	ே 0BC7	ள 0BD7	க 0BE7	ஶ 0BF7
8	ஈ 0B88		ந 0BA8	ஸ 0BB8	ை 0BC8		உ 0BE8	ஷ 0BF8
9	உ 0B89	ங 0B99	ன 0BA9	ஹ 0BB9			ந 0BE9	நீ 0BF9
A	ஊ 0B8A	ச 0B9A	ப 0BAA		ொ 0BCA		சு 0BEA	நீ 0BFA
B					ோ 0BCB		ரு 0BEB	
C		ஐ 0B9C			ெள 0BCC		சு 0BEC	
D					ஃ 0BCD		எ 0BED	
E	எ 0B8E	ஞ 0B9E	ம 0BAE	ா 0BBE			அ 0BEE	
F	ஏ 0B8F	ட 0B9F	ய 0BAF	ி 0BBF			சு 0BEF	

**Various signs**

- 0B82 ◌̇ TAMIL SIGN ANUSVARA  
 • not used in Tamil
- 0B83 ◌̆ TAMIL SIGN VISARGA  
 = aytham

**Independent vowels**

- 0B85 அ TAMIL LETTER A  
 0B86 ஆ TAMIL LETTER AA  
 0B87 இ TAMIL LETTER I  
 0B88 ஈ TAMIL LETTER II  
 0B89 உ TAMIL LETTER U  
 0B8A ஊ TAMIL LETTER UU  
 0B8B <reserved>  
 0B8C <reserved>  
 0B8D <reserved>  
 0B8E எ TAMIL LETTER E  
 0B8F ஏ TAMIL LETTER EE  
 0B90 ஐ TAMIL LETTER AI  
 0B91 <reserved>  
 0B92 ஓ TAMIL LETTER O  
 0B93 ஔ TAMIL LETTER OO  
 0B94 ஐள TAMIL LETTER AU  
 ≡ 0B92 ஓ 0BD7 றள

**Consonants**

- 0B95 க TAMIL LETTER KA  
 0B96 <reserved>  
 0B97 <reserved>  
 0B98 <reserved>  
 0B99 ங TAMIL LETTER NGA  
 0B9A ச TAMIL LETTER CA  
 0B9B <reserved>  
 0B9C ஐ TAMIL LETTER JA  
 0B9D <reserved>  
 0B9E ஞ TAMIL LETTER NYA  
 0B9F ட TAMIL LETTER TTA  
 0BA0 <reserved>  
 0BA1 <reserved>  
 0BA2 <reserved>  
 0BA3 ண TAMIL LETTER NNA  
 0BA4 த TAMIL LETTER TA  
 0BA5 <reserved>  
 0BA6 <reserved>  
 0BA7 <reserved>  
 0BA8 ந TAMIL LETTER NA  
 0BA9 ன TAMIL LETTER NNNA  
 0BAA ப TAMIL LETTER PA  
 0BAB <reserved>  
 0BAC <reserved>  
 0BAD <reserved>  
 0BAE ம TAMIL LETTER MA  
 0BAF ய TAMIL LETTER YA  
 0BB0 ர TAMIL LETTER RA  
 0BB1 ற TAMIL LETTER RRA  
 0BB2 ல TAMIL LETTER LA  
 0BB3 ள TAMIL LETTER LLA  
 0BB4 ழ TAMIL LETTER LLLA  
 0BB5 வ TAMIL LETTER VA  
 0BB6 ஶ TAMIL LETTER SHA  
 0BB7 ஷ TAMIL LETTER SSA  
 0BB8 ஸ TAMIL LETTER SA

- 0BB9 ஹ TAMIL LETTER HA

**Dependent vowel signs**

- 0BBE ா TAMIL VOWEL SIGN AA  
 0BBF ி TAMIL VOWEL SIGN I  
 0BC0 ீ TAMIL VOWEL SIGN II  
 0BC1 ு TAMIL VOWEL SIGN U  
 0BC2 ூ TAMIL VOWEL SIGN UU  
 0BC3 <reserved>  
 0BC4 <reserved>  
 0BC5 <reserved>  
 0BC6 ே TAMIL VOWEL SIGN E  
 • stands to the left of the consonant
- 0BC7 ை TAMIL VOWEL SIGN EE  
 • stands to the left of the consonant
- 0BC8 ௌ TAMIL VOWEL SIGN AI  
 • stands to the left of the consonant

**Two-part dependent vowel signs**

*These vowel signs have glyph pieces which stand on both sides of the consonant; they follow the consonant in logical order, and should be handled as a unit for most processing.*

- 0BCA ொ TAMIL VOWEL SIGN O  
 ≡ 0BC6 ே 0BBE ா
- 0BCB ோ TAMIL VOWEL SIGN OO  
 ≡ 0BC7 ை 0BBE ா
- 0BCC ௌ TAMIL VOWEL SIGN AU  
 ≡ 0BC6 ே 0BD7 றள

**Virama**

- 0BCD ஃ TAMIL SIGN VIRAMA

**Various signs**

- 0BD0 ஐ TAMIL OM  
 0BD1 <reserved>  
 0BD2 <reserved>  
 0BD3 <reserved>  
 0BD4 <reserved>  
 0BD5 <reserved>  
 0BD6 <reserved>  
 0BD7 றள TAMIL AU LENGTH MARK

**Reserved**

*For viram punctuation, use the generic Indic 0964 and 0965.*

- 0BE4 <reserved>  
 → 0964 I devanagari danda
- 0BE5 <reserved>  
 → 0965 II devanagari double danda

**Digits**

- 0BE6 ௦ TAMIL DIGIT ZERO  
 0BE7 ௧ TAMIL DIGIT ONE  
 0BE8 ௨ TAMIL DIGIT TWO  
 0BE9 ௩ TAMIL DIGIT THREE  
 0BEA ௪ TAMIL DIGIT FOUR  
 0BEB ௫ TAMIL DIGIT FIVE  
 0BEC ௬ TAMIL DIGIT SIX  
 0BED ௭ TAMIL DIGIT SEVEN  
 0BEE ௮ TAMIL DIGIT EIGHT  
 0BEF ௯ TAMIL DIGIT NINE

**Tamil numerics**

- 0BF0 ௧௦ TAMIL NUMBER TEN  
 0BF1 ௧௦௦ TAMIL NUMBER ONE HUNDRED  
 0BF2 ௧௦௦௦ TAMIL NUMBER ONE THOUSAND

**Tamil symbols**

- 0BF3 உ TAMIL DAY SIGN  
= naal
- 0BF4 மீ TAMIL MONTH SIGN  
= maatham
- 0BF5 வருடம் TAMIL YEAR SIGN  
= varudam
- 0BF6 யு TAMIL DEBIT SIGN  
= patru
- 0BF7 எவ TAMIL CREDIT SIGN  
= varavu
- 0BF8 மெய்யுடைய TAMIL AS ABOVE SIGN  
= merpadi

**Currency symbol**

- 0BF9 ரூ TAMIL RUPEE SIGN  
= rupai

**Tamil symbol**

- 0BFA ன் TAMIL NUMBER SIGN  
= enn

	0C0	0C1	0C2	0C3	0C4	0C5	0C6	0C7
0		బి 0C10	త 0C20	ర 0C30	్రి 0C40		ఋ 0C60	
1	ి 0C01		డ 0C21	ణ 0C31	్రి 0C41		౞ 0C61	
2	ి 0C02	ఓ 0C12	ఢ 0C22	ల 0C32	్రి 0C42		౞ 0C62	
3	ి 0C03	ఓ 0C13	ణ 0C23	ళ 0C33	్రి 0C43		౞ 0C63	
4		జ్ఞ 0C14	త 0C24		్రి 0C44			
5	ఱ 0C05	ఱ 0C15	ఱ 0C25	ల 0C35		్రి 0C55		
6	ఱ 0C06	ఖ 0C16	ద 0C26	ళ 0C36	్రి 0C46	్రి 0C56	ం 0C66	
7	ఱ 0C07	ద 0C17	ద 0C27	భ 0C37	్రి 0C47		ం 0C67	
8	ఱ 0C08	పు 0C18	న 0C28	న 0C38	్రి 0C48	ఱ 0C58	ం 0C68	ం 0C78
9	ఱ 0C09	జ 0C19		భ 0C39		ఱ 0C59	ం 0C69	ం 0C79
A	ఱ 0C0A	చ 0C1A	ప 0C2A		్రి 0C4A		ం 0C6A	ం 0C7A
B	ఱ 0C0B	చ 0C1B	ప 0C2B		్రి 0C4B		ం 0C6B	ం 0C7B
C	ఱ 0C0C	జ 0C1C	బ 0C2C		్రి 0C4C		ం 0C6C	ం 0C7C
D		ర్ష 0C1D	ళ 0C2D	్రి 0C3D	్రి 0C4D		ం 0C6D	ం 0C7D
E	వ 0C0E	ఱ 0C1E	ప 0C2E	్రి 0C3E			ం 0C6E	ం 0C7E
F	వ 0C0F	ట 0C1F	ఱ 0C2F	్రి 0C3F			ం 0C6F	ం 0C7F

**Various signs**

0C01	◌ఁ	TELUGU SIGN CANDRABINDU = arasunna
0C02	◌◌	TELUGU SIGN ANUSVARA = sunna
0C03	◌ః	TELUGU SIGN VISARGA

**Independent vowels**

0C05	అ	TELUGU LETTER A
0C06	ఆ	TELUGU LETTER AA
0C07	ఇ	TELUGU LETTER I
0C08	ఈ	TELUGU LETTER II
0C09	ఉ	TELUGU LETTER U
0C0A	ఊ	TELUGU LETTER UU
0C0B	ఋ	TELUGU LETTER VOCALIC R
0C0C	ౠ	TELUGU LETTER VOCALIC L
0C0D	◌	<reserved>
0C0E	ఎ	TELUGU LETTER E
0C0F	ఐ	TELUGU LETTER EE
0C10	ఐ	TELUGU LETTER AI
0C11	◌	<reserved>
0C12	ఒ	TELUGU LETTER O
0C13	ఓ	TELUGU LETTER OO
0C14	ఔ	TELUGU LETTER AU

**Consonants**

0C15	క	TELUGU LETTER KA
0C16	ఖ	TELUGU LETTER KHA
0C17	గ	TELUGU LETTER GA
0C18	ఘ	TELUGU LETTER GHA
0C19	ఙ	TELUGU LETTER NGA
0C1A	చ	TELUGU LETTER CA
0C1B	ఛ	TELUGU LETTER CHA
0C1C	జ	TELUGU LETTER JA
0C1D	ఝ	TELUGU LETTER JHA
0C1E	ఞ	TELUGU LETTER NYA
0C1F	ట	TELUGU LETTER TTA
0C20	ఠ	TELUGU LETTER TTHA
0C21	డ	TELUGU LETTER DDA
0C22	ఢ	TELUGU LETTER DDHA
0C23	ణ	TELUGU LETTER NNA
0C24	త	TELUGU LETTER TA
0C25	థ	TELUGU LETTER THA
0C26	ద	TELUGU LETTER DA
0C27	ధ	TELUGU LETTER DHA
0C28	న	TELUGU LETTER NA
0C29	◌	<reserved>
0C2A	ప	TELUGU LETTER PA
0C2B	ఫ	TELUGU LETTER PHA
0C2C	బ	TELUGU LETTER BA
0C2D	భ	TELUGU LETTER BHA
0C2E	మ	TELUGU LETTER MA
0C2F	య	TELUGU LETTER YA
0C30	ర	TELUGU LETTER RA
0C31	ళ	TELUGU LETTER RRA
0C32	ల	TELUGU LETTER LA
0C33	ళ	TELUGU LETTER LLA
0C34	◌	<reserved>
0C35	శ	TELUGU LETTER VA
0C36	ష	TELUGU LETTER SHA
0C37	స	TELUGU LETTER SSA
0C38	స	TELUGU LETTER SA

0C39 హ TELUGU LETTER HA

**Addition for Sanskrit**

0C3D ఌ TELUGU SIGN AVAGRAHA

**Dependent vowel signs**

0C3E	◌ఀ	TELUGU VOWEL SIGN AA
0C3F	◌ఁ	TELUGU VOWEL SIGN I
0C40	◌ం	TELUGU VOWEL SIGN II
0C41	◌ః	TELUGU VOWEL SIGN U
0C42	◌ఄ	TELUGU VOWEL SIGN UU
0C43	◌ఀ	TELUGU VOWEL SIGN VOCALIC R
0C44	◌ఁ	TELUGU VOWEL SIGN VOCALIC RR
0C45	◌	<reserved>
0C46	◌ఁ	TELUGU VOWEL SIGN E
0C47	◌ం	TELUGU VOWEL SIGN EE
0C48	◌ః	TELUGU VOWEL SIGN AI ≡ 0C46 ◌ఁ 0C56 ◌ఁ
0C49	◌	<reserved>
0C4A	◌ఄ	TELUGU VOWEL SIGN O
0C4B	◌అ	TELUGU VOWEL SIGN OO
0C4C	◌ఆ	TELUGU VOWEL SIGN AU

**Virama**0C4D ◌్ఠ TELUGU SIGN VIRAMA  
= halant (the preferred name)**Various signs**

0C55	◌◌◌	TELUGU LENGTH MARK
0C56	◌◌◌	TELUGU AI LENGTH MARK

**Historic phonetic variants**

0C58	ఢ	TELUGU LETTER TSA
0C59	ఢ	TELUGU LETTER DZA

**Additional vowels for Sanskrit**

0C60	ఋ	TELUGU LETTER VOCALIC RR
0C61	ౠ	TELUGU LETTER VOCALIC LL

**Dependent vowels**

0C62	◌ఀ	TELUGU VOWEL SIGN VOCALIC L
0C63	◌ఁ	TELUGU VOWEL SIGN VOCALIC LL

**Reserved***For viram punctuation, use the generic Indic 0964 and 0965.*

0C64	◌	<reserved> → 0964 I devanagari danda
0C65	◌	<reserved> → 0965 II devanagari double danda

**Digits**

0C66	౦	TELUGU DIGIT ZERO
0C67	౧	TELUGU DIGIT ONE
0C68	౨	TELUGU DIGIT TWO
0C69	౩	TELUGU DIGIT THREE
0C6A	౪	TELUGU DIGIT FOUR
0C6B	౫	TELUGU DIGIT FIVE
0C6C	౬	TELUGU DIGIT SIX
0C6D	౭	TELUGU DIGIT SEVEN
0C6E	౮	TELUGU DIGIT EIGHT
0C6F	౯	TELUGU DIGIT NINE

**Telugu fractions and weights**

0C78	౧	TELUGU FRACTION DIGIT ZERO FOR ODD POWERS OF FOUR
0C79	౧	TELUGU FRACTION DIGIT ONE FOR ODD POWERS OF FOUR

0C7A	౪	TELUGU FRACTION DIGIT TWO FOR ODD POWERS OF FOUR
0C7B	౫	TELUGU FRACTION DIGIT THREE FOR ODD POWERS OF FOUR
0C7C	—	TELUGU FRACTION DIGIT ONE FOR EVEN POWERS OF FOUR
0C7D	౭	TELUGU FRACTION DIGIT TWO FOR EVEN POWERS OF FOUR
0C7E	౮	TELUGU FRACTION DIGIT THREE FOR EVEN POWERS OF FOUR
0C7F	౯	TELUGU SIGN TUUMU

	0C8	0C9	0CA	0CB	0CC	0CD	0CE	0CF
0		ಐ 0C90	ಊ 0CA0	ಋ 0CB0	ೠ 0CC0		ಬಾ 0CE0	
1			ಋ 0CA1	ೠ 0CB1	ಌ 0CC1		ಬ್ಯ 0CE1	ಞ 0CF1
2	ಃ 0C82	ಛ 0C92	ಞ 0CA2	ಟ 0CB2	ಠ 0CC2		ಞ್ 0CE2	ಠ್ 0CF2
3	ಠ್ 0C83	ಠ್ 0C93	ಠ್ 0CA3	ಠ್ 0CB3	ಠ್ 0CC3		ಠ್ 0CE3	
4		ಞ 0C94	ಞ 0CA4		ಞ 0CC4			
5	ಠ 0C85	ಠ 0C95	ಠ 0CA5	ಠ 0CB5		ಠ 0CD5		
6	ಠ 0C86	ಠ 0C96	ಠ 0CA6	ಠ 0CB6	ಠ 0CC6	ಠ 0CD6	ಠ 0CE6	
7	ಠ 0C87	ಠ 0C97	ಠ 0CA7	ಠ 0CB7	ಠ 0CC7		ಠ 0CE7	
8	ಠ 0C88	ಠ 0C98	ಠ 0CA8	ಠ 0CB8	ಠ 0CC8		ಠ 0CE8	
9	ಠ 0C89	ಠ 0C99		ಠ 0CB9			ಠ 0CE9	
A	ಠ 0C8A	ಠ 0C9A	ಠ 0CAA		ಠ 0CCA		ಠ 0CEA	
B	ಠ 0C8B	ಠ 0C9B	ಠ 0CAB		ಠ 0CCB		ಠ 0CEB	
C	ಠ 0C8C	ಠ 0C9C	ಠ 0CAC	ಠ 0CBC	ಠ 0CCC		ಠ 0CEC	
D		ಠ 0C9D	ಠ 0CAD	ಠ 0CBD	ಠ 0CCD		ಠ 0CED	
E	ಠ 0C8E	ಠ 0C9E	ಠ 0CAE	ಠ 0CBE		ಠ 0CDE	ಠ 0CEE	
F	ಠ 0C8F	ಠ 0C9F	ಠ 0CAF	ಠ 0CBF			ಠ 0CEF	

**Various signs**

0C82	◌◌	KANNADA SIGN ANUSVARA
0C83	◌ಃ	KANNADA SIGN VISARGA

**Independent vowels**

0C85	ಅ	KANNADA LETTER A
0C86	ಆ	KANNADA LETTER AA
0C87	ಇ	KANNADA LETTER I
0C88	ಈ	KANNADA LETTER II
0C89	ಉ	KANNADA LETTER U
0C8A	ಊ	KANNADA LETTER UU
0C8B	ಋ	KANNADA LETTER VOCALIC R
0C8C	ೠ	KANNADA LETTER VOCALIC L
0C8D	◌	<reserved>
0C8E	ಏ	KANNADA LETTER E
0C8F	ಐ	KANNADA LETTER EE
0C90	ಒ	KANNADA LETTER AI
0C91	◌	<reserved>
0C92	ಋ	KANNADA LETTER O
0C93	ೠ	KANNADA LETTER OO
0C94	ಌ	KANNADA LETTER AU

**Consonants**

0C95	ಕ	KANNADA LETTER KA
0C96	ಖ	KANNADA LETTER KHA
0C97	ಗ	KANNADA LETTER GA
0C98	ಘ	KANNADA LETTER GHA
0C99	ಙ	KANNADA LETTER NGA
0C9A	ಚ	KANNADA LETTER CA
0C9B	ಛ	KANNADA LETTER CHA
0C9C	ಜ	KANNADA LETTER JA
0C9D	ಝ	KANNADA LETTER JHA
0C9E	ಞ	KANNADA LETTER NYA
0C9F	ಟ	KANNADA LETTER TTA
0CA0	ಠ	KANNADA LETTER TTHA
0CA1	ಡ	KANNADA LETTER DDA
0CA2	ಢ	KANNADA LETTER DDHA
0CA3	ನ	KANNADA LETTER NNA
0CA4	ತ	KANNADA LETTER TA
0CA5	ಥ	KANNADA LETTER THA
0CA6	ದ	KANNADA LETTER DA
0CA7	ಧ	KANNADA LETTER DHA
0CA8	ನ	KANNADA LETTER NA
0CA9	◌	<reserved>
0CAA	ಪ	KANNADA LETTER PA
0CAB	ಫ	KANNADA LETTER PHA
0CAC	ಬ	KANNADA LETTER BA
0CAD	ಭ	KANNADA LETTER BHA
0CAE	ಮ	KANNADA LETTER MA
0CAF	ಯ	KANNADA LETTER YA
0CB0	ರ	KANNADA LETTER RA
0CB1	ಠ	KANNADA LETTER RRA
0CB2	ಲ	KANNADA LETTER LA
0CB3	ಲ	KANNADA LETTER LLA
0CB4	◌	<reserved>
0CB5	ವ	KANNADA LETTER VA
0CB6	ಶ	KANNADA LETTER SHA
0CB7	ಷ	KANNADA LETTER SSA
0CB8	ಸ	KANNADA LETTER SA
0CB9	ಹ	KANNADA LETTER HA

**Various signs**

0CBC	◌◌	KANNADA SIGN NUKTA
0CBD	◌ಃ	KANNADA SIGN AVAGRAHA

**Dependent vowel signs**

0CBE	◌ಾ	KANNADA VOWEL SIGN AA
0CBF	◌ಿ	KANNADA VOWEL SIGN I
0CC0	◌ೀ	KANNADA VOWEL SIGN II ≡ 0CBF ◌ಿ 0CD5 ◌ೀ
0CC1	◌ು	KANNADA VOWEL SIGN U
0CC2	◌ೂ	KANNADA VOWEL SIGN UU
0CC3	◌ಾ	KANNADA VOWEL SIGN VOCALIC R
0CC4	◌ಾ	KANNADA VOWEL SIGN VOCALIC RR
0CC5	◌	<reserved>
0CC6	◌ೆ	KANNADA VOWEL SIGN E
0CC7	◌ೀ	KANNADA VOWEL SIGN EE ≡ 0CC6 ◌ೆ 0CD5 ◌ೀ
0CC8	◌ೈ	KANNADA VOWEL SIGN AI ≡ 0CC6 ◌ೆ 0CD6 ◌ೈ
0CC9	◌	<reserved>
0CCA	◌ೊ	KANNADA VOWEL SIGN O ≡ 0CC6 ◌ೆ 0CC2 ◌ೊ
0CCB	◌ೊ	KANNADA VOWEL SIGN OO ≡ 0CCA ◌ೊ 0CD5 ◌ೊ
0CCC	◌ೌ	KANNADA VOWEL SIGN AU

**Virama**

0CCD	◌	KANNADA SIGN VIRAMA • preferred name is halant
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**Various signs**

0CD5	◌ೀ	KANNADA LENGTH MARK
0CD6	◌ೈ	KANNADA AI LENGTH MARK

**Additional consonants**

0CDE	ಱ	KANNADA LETTER FA × KANNADA LETTER LLLA • obsolete historic letter • name is a mistake for LLLA
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**Additional vowels for Sanskrit**

0CE0	ಋ	KANNADA LETTER VOCALIC RR
0CE1	ೠ	KANNADA LETTER VOCALIC LL

**Dependent vowels**

0CE2	◌ಃ	KANNADA VOWEL SIGN VOCALIC L
0CE3	◌ಃ	KANNADA VOWEL SIGN VOCALIC LL

**Reserved**

For viram punctuation, use the generic Indic 0964 and 0965.

0CE4	◌	<reserved> → 0964 I devanagari danda
0CE5	◌	<reserved> → 0965 II devanagari double danda

**Digits**

0CE6	೦	KANNADA DIGIT ZERO
0CE7	೧	KANNADA DIGIT ONE
0CE8	೨	KANNADA DIGIT TWO
0CE9	೩	KANNADA DIGIT THREE
0CEA	೪	KANNADA DIGIT FOUR
0CEB	೫	KANNADA DIGIT FIVE
0CEC	೬	KANNADA DIGIT SIX
0CED	೭	KANNADA DIGIT SEVEN
0CEE	೮	KANNADA DIGIT EIGHT



0CEF 𑤓 KANNADA DIGIT NINE

**Vedic signs**

*The Vedic signs for jihvamuliya and upadhmaniya were encoded in the Kannada block, but are intended for general Vedic use with all scripts.*

0CF1 𑤘 KANNADA SIGN JIHVAMULIYA

- marks a velar fricative occurring only before unvoiced velar stops

→ 0F88 𑤛 tibetan sign lce tsa can

0CF2 𑤙 KANNADA SIGN UPADHMANIYA

- marks a bilabial fricative occurring only before unvoiced labial stops

→ 0F89 𑤞 tibetan sign mchu can

→ 1CF2 𑤚 vedic sign ardhavisarga

	0D0	0D1	0D2	0D3	0D4	0D5	0D6	0D7
0		ഐ 0D10	ഠ 0D20	ര 0D30	ീ 0D40		ഈ 0D60	൧ 0D70
1			ഡ 0D21	റ 0D31	ൂ 0D41		ഔ 0D61	൩ 0D71
2	ഌ 0D02	ക 0D12	ഡ 0D22	ല 0D32	ൂ 0D42		ഌ 0D62	൯ 0D72
3	ഌ 0D03	കാ 0D13	ണ 0D23	ള 0D33	്യ 0D43		ഌ 0D63	൯ 0D73
4		ഔ 0D14	ത 0D24	ഴ 0D34	ൂ 0D44			ൽ 0D74
5	അ 0D05	ക 0D15	ഥ 0D25	വ 0D35				ൺ 0D75
6	ആ 0D06	ച 0D16	ഭ 0D26	ശ 0D36	െ 0D46		ഠ 0D66	
7	ഇ 0D07	ശ 0D17	ധ 0D27	ഷ 0D37	േ 0D47	ൗ 0D57	൧ 0D67	
8	ഈ 0D08	ച 0D18	ന 0D28	സ 0D38	ൈ 0D48		൨ 0D68	
9	ഉ 0D09	ബ 0D19		ഹ 0D39			൩ 0D69	൯ 0D79
A	ഈ 0D0A	ച 0D1A	വ 0D2A		ൊ 0D4A		൪ 0D6A	ൺ 0D7A
B	ഈ 0D0B	ര 0D1B	ഫ 0D2B		ോ 0D4B		൫ 0D6B	൯ 0D7B
C	ഈ 0D0C	ജ 0D1C	ബ 0D2C		ൌ 0D4C		൩ 0D6C	൪ 0D7C
D		ട 0D1D	ഭ 0D2D	ഴ 0D3D	ൂ 0D4D		൭ 0D6D	ൽ 0D7D
E	ഐ 0D0E	ഈ 0D1E	മ 0D2E	ാ 0D3E			൮ 0D6E	ൾ 0D7E
F	ഐ 0D0F	ട 0D1F	യ 0D2F	ീ 0D3F			൯ 0D6F	ൽ 0D7F

**Various signs**

0D02	◌̣	MALAYALAM SIGN ANUSVARA
0D03	◌̤	MALAYALAM SIGN VISARGA

**Independent vowels**

0D05	അ	MALAYALAM LETTER A
0D06	ആ	MALAYALAM LETTER AA
0D07	ഇ	MALAYALAM LETTER I
0D08	ഈ	MALAYALAM LETTER II
0D09	ഉ	MALAYALAM LETTER U
0D0A	ഊ	MALAYALAM LETTER UU
0D0B	ഋ	MALAYALAM LETTER VOCALIC R
0D0C	ൠ	MALAYALAM LETTER VOCALIC L
0D0D	◌̅	<reserved>
0D0E	എ	MALAYALAM LETTER E
0D0F	ഐ	MALAYALAM LETTER EE
0D10	ഐ	MALAYALAM LETTER AI
0D11	◌̅	<reserved>
0D12	ഓ	MALAYALAM LETTER O
0D13	ഔ	MALAYALAM LETTER OO
0D14	ഔ	MALAYALAM LETTER AU

**Consonants**

*Alternate romanizations are shown as aliases for some letters to clarify their identity.*

0D15	ക	MALAYALAM LETTER KA
0D16	ഖ	MALAYALAM LETTER KHA
0D17	ഗ	MALAYALAM LETTER GA
0D18	ഘ	MALAYALAM LETTER GHA
0D19	ങ	MALAYALAM LETTER NGA
0D1A	ച	MALAYALAM LETTER CA = cha
0D1B	ഛ	MALAYALAM LETTER CHA = chha
0D1C	ജ	MALAYALAM LETTER JA
0D1D	ഝ	MALAYALAM LETTER JHA
0D1E	ഞ	MALAYALAM LETTER NYA = nha
0D1F	ട	MALAYALAM LETTER TTA = ta
0D20	ഠ	MALAYALAM LETTER TTHA = ttha
0D21	ഡ	MALAYALAM LETTER DDA = hard da
0D22	ഢ	MALAYALAM LETTER DDHA = hard dda
0D23	ണ	MALAYALAM LETTER NNA = hard na
0D24	ത	MALAYALAM LETTER TA = tha
0D25	ഥ	MALAYALAM LETTER THA = ttha
0D26	ദ	MALAYALAM LETTER DA = soft da
0D27	ഢ	MALAYALAM LETTER DHA = soft dda
0D28	ന	MALAYALAM LETTER NA
0D29	◌̅	<reserved>
0D2A	പ	MALAYALAM LETTER PA
0D2B	ഫ	MALAYALAM LETTER PHA
0D2C	ബ	MALAYALAM LETTER BA
0D2D	ഭ	MALAYALAM LETTER BHA
0D2E	മ	MALAYALAM LETTER MA

0D2F	യ	MALAYALAM LETTER YA
0D30	ര	MALAYALAM LETTER RA
0D31	റ	MALAYALAM LETTER RRA
0D32	ല	MALAYALAM LETTER LA
0D33	ള	MALAYALAM LETTER LLA
0D34	ഴ	MALAYALAM LETTER LLLA = zha
0D35	വ	MALAYALAM LETTER VA
0D36	ശ	MALAYALAM LETTER SHA = soft sha
0D37	ഷ	MALAYALAM LETTER SSA = sha
0D38	സ	MALAYALAM LETTER SA
0D39	ഹ	MALAYALAM LETTER HA

**Addition for Sanskrit**

0D3D	ॐ	MALAYALAM SIGN AVAGRAHA = praslesham
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**Dependent vowel signs**

0D3E	ഌ	MALAYALAM VOWEL SIGN AA
0D3F	഍	MALAYALAM VOWEL SIGN I
0D40	ഐ	MALAYALAM VOWEL SIGN II
0D41	ഊ	MALAYALAM VOWEL SIGN U
0D42	ഋ	MALAYALAM VOWEL SIGN UU
0D43	ൠ	MALAYALAM VOWEL SIGN VOCALIC R
0D44	ൡ	MALAYALAM VOWEL SIGN VOCALIC RR
0D45	◌̅	<reserved>
0D46	ഏ	MALAYALAM VOWEL SIGN E • stands to the left of the consonant
0D47	ഐ	MALAYALAM VOWEL SIGN EE • stands to the left of the consonant
0D48	ഐ	MALAYALAM VOWEL SIGN AI • stands to the left of the consonant

**Two-part dependent vowel signs**

*These vowel signs have glyph pieces which stand on both sides of the consonant; they follow the consonant in logical order, and should be handled as a unit for most processing.*

0D4A	ഏ	MALAYALAM VOWEL SIGN O ≡ 0D46 ഏ 0D3E ഌ
0D4B	ഐ	MALAYALAM VOWEL SIGN OO ≡ 0D47 ഐ 0D3E ഌ
0D4C	ഐ	MALAYALAM VOWEL SIGN AU • archaic form of the /au/ dependent vowel → 0D57 ഐ malayalam au length mark ≡ 0D46 ഏ 0D57 ഐ

**Virama**

0D4D	ഌ	MALAYALAM SIGN VIRAMA = chandrakkala (the preferred name) = vowel half-u
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**Various signs**

0D57	ഐ	MALAYALAM AU LENGTH MARK • used alone to write the /au/ dependent vowel in modern texts → 0D4C ഐ malayalam vowel sign au
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**Additional vowels for Sanskrit**

0D60	ഠ	MALAYALAM LETTER VOCALIC RR
0D61	ഠ	MALAYALAM LETTER VOCALIC LL


**Dependent vowels**

0D62	ഌ	MALAYALAM VOWEL SIGN VOCALIC L
0D63	഍	MALAYALAM VOWEL SIGN VOCALIC LL

**Reserved**

For viram punctuation, use the generic Indic 0964 and 0965.

0D64  <reserved>  
→ 0964 I devanagari danda

0D65  <reserved>  
→ 0965 II devanagari double danda

**Digits**

0D66 ൦ MALAYALAM DIGIT ZERO  
0D67 ൧ MALAYALAM DIGIT ONE  
0D68 ൨ MALAYALAM DIGIT TWO  
0D69 ൩ MALAYALAM DIGIT THREE  
0D6A ൪ MALAYALAM DIGIT FOUR  
0D6B ൫ MALAYALAM DIGIT FIVE  
0D6C ൬ MALAYALAM DIGIT SIX  
0D6D ൭ MALAYALAM DIGIT SEVEN  
0D6E ൮ MALAYALAM DIGIT EIGHT  
0D6F ൯ MALAYALAM DIGIT NINE

**Malayalam numerics**

0D70 ൧൦ MALAYALAM NUMBER TEN  
0D71 ൧൦൦ MALAYALAM NUMBER ONE HUNDRED  
0D72 ൧൦൦൦ MALAYALAM NUMBER ONE THOUSAND

**Fractions**

0D73 ൧൪ MALAYALAM FRACTION ONE QUARTER  
0D74 ൧൨ MALAYALAM FRACTION ONE HALF  
0D75 ൩൪ MALAYALAM FRACTION THREE QUARTERS

**Date mark**

0D79 ൩൪ MALAYALAM DATE MARK

**Chillu letters**

0D7A ൩൪ MALAYALAM LETTER CHILLU NN  
0D7B ൩൪ MALAYALAM LETTER CHILLU N  
0D7C ൪ MALAYALAM LETTER CHILLU RR  
• historically derived from the full letter ra  
• also used for chillu r  
0D7D ൪ MALAYALAM LETTER CHILLU L  
• historically derived from the full letter ta  
• used for chillu t and chillu d  
0D7E ൪ MALAYALAM LETTER CHILLU LL  
0D7F ൪ MALAYALAM LETTER CHILLU K

	0D8	0D9	0DA	0DB	0DC	0DD	0DE	0DF
0		ඌ 0D90	ඍ 0DA0	ඎ 0DB0	ඏ 0DC0	ඐ 0DD0		
1		එ 0D91	ඒ 0DA1	ඓ 0DB1	ඔ 0DC1	ඕ 0DD1		
2	ආ 0D82	ඈ 0D92	ඉ 0DA2		ඊ 0DC2	උ 0DD2		ඌaa 0DF2
3	ඍ 0D83	ඎ 0D93	ඏ 0DA3	ඐ 0DB3	එ 0DC3	ඒ 0DD3		උ 0DF3
4		ඌ 0D94	ඍ 0DA4	ඎ 0DB4	ඏ 0DC4	ඐ 0DD4		
5	එ 0D85	ඒ 0D95	ඓ 0DA5	ඔ 0DB5	ඕ 0DC5			
6	ආ 0D86	ඈ 0D96	ඉ 0DA6	ඊ 0DB6	උ 0DC6	ඌ 0DD6		
7	ඍ 0D87		ඎ 0DA7	ඏ 0DB7				
8	ඐ 0D88		එ 0DA8	ඒ 0DB8		උ 0DD8		
9	උ 0D89		ඌ 0DA9	ඍ 0DB9		ඎ 0DD9		
A	ඏ 0D8A	ඐ 0D9A	එ 0DAA	ඒ 0DBA	උ <sup>p</sup> 0DCA	ඌ <sup>p</sup> 0DDA		
B	උ 0D8B	ඌ 0D9B	ඍ 0DAB	ඎ 0DBB		ඏ 0ddb		
C	ඌ 0D8C	ඍ 0D9C	ඎ 0DAC			ඏ 0ddc		
D	ඍaa 0D8D	ඎ 0D9D	ඏ 0DAD	ඐ 0DBD		එ <sup>p</sup> 0ddd		
E	ඍaa 0D8E	ඎ 0D9E	ඏ 0DAE			ඐ 0dde		
F	ඐ 0D8F	එ 0D9F	ඒ 0DAF		උ 0dcf	ඌ 0ddf		

**Various signs**

0D82 ෧෧ SINHALA SIGN ANUSVARAYA  
= anusvara

0D83 ෧෧ SINHALA SIGN VISARGAYA  
= visarga

**Independent vowels**

0D85 අ SINHALA LETTER AYANNA  
= sinhala letter a

0D86 ආ SINHALA LETTER AAYANNA  
= sinhala letter aa

0D87 ඇ SINHALA LETTER AEYANNA  
= sinhala letter ae

0D88 ඈ SINHALA LETTER AEEYANNA  
= sinhala letter aae

0D89 ඉ SINHALA LETTER IYANNA  
= sinhala letter i

0D8A ඊ SINHALA LETTER IYANNA  
= sinhala letter ii

0D8B උ SINHALA LETTER UYANNA  
= sinhala letter u

0D8C ඌ SINHALA LETTER UUYANNA  
= sinhala letter uu

0D8D ඍ SINHALA LETTER IRUYANNA  
= sinhala letter vocalic r

0D8E ඎ SINHALA LETTER IRUUYANNA  
= sinhala letter vocalic rr

0D8F ඏ SINHALA LETTER ILUYANNA  
= sinhala letter vocalic l

0D90 ඐ SINHALA LETTER ILUUYANNA  
= sinhala letter vocalic ll

0D91 එ SINHALA LETTER EYANNA  
= sinhala letter e

0D92 ඒ SINHALA LETTER EYANNA  
= sinhala letter ee

0D93 ඔ SINHALA LETTER AIYANNA  
= sinhala letter ai

0D94 ඍ SINHALA LETTER OYANNA  
= sinhala letter o

0D95 ඎ SINHALA LETTER OYANNA  
= sinhala letter oo

0D96 ඏ SINHALA LETTER AUYANNA  
= sinhala letter au

**Consonants**

0D9A ක SINHALA LETTER ALPAPRAANA KAYANNA  
= sinhala letter ka

0D9B ඛ SINHALA LETTER MAHAAPRAANA KAYANNA  
= sinhala letter kha

0D9C ග SINHALA LETTER ALPAPRAANA GAYANNA  
= sinhala letter ga

0D9D ඝ SINHALA LETTER MAHAAPRAANA GAYANNA  
= sinhala letter gha

0D9E ඞ SINHALA LETTER KANTAJA NAASIKYAYA  
= sinhala letter nga

0D9F ඟ SINHALA LETTER SANYAKA GAYANNA  
= sinhala letter nnga

0DA0 ච SINHALA LETTER ALPAPRAANA CAYANNA  
= sinhala letter ca

0DA1 ඡ SINHALA LETTER MAHAAPRAANA CAYANNA  
= sinhala letter cha

0DA2 ඣ SINHALA LETTER ALPAPRAANA JAYANNA  
= sinhala letter ja

0DA3 ඤ SINHALA LETTER MAHAAPRAANA JAYANNA  
= sinhala letter jha

0DA4 ඞ SINHALA LETTER TAALUJA NAASIKYAYA  
= sinhala letter nya

0DA5 ඟ SINHALA LETTER TAALUJA SANYOOGA  
NAAKSIKYAYA  
= sinhala letter jnya

0DA6 ච SINHALA LETTER SANYAKA JAYANNA  
= sinhala letter nyja

0DA7 ඡ SINHALA LETTER ALPAPRAANA TTAYANNA  
= sinhala letter tta

0DA8 ඣ SINHALA LETTER MAHAAPRAANA TTAYANNA  
= sinhala letter ttha

0DA9 ඤ SINHALA LETTER ALPAPRAANA DDAYANNA  
= sinhala letter dda

0DAA ඦ SINHALA LETTER MAHAAPRAANA DDAYANNA  
= sinhala letter ddha

0DAB ට SINHALA LETTER MUURDHAJA NAYANNA  
= sinhala letter nna

0DAC ඨ SINHALA LETTER SANYAKA DDAYANNA  
= sinhala letter ndda


0DAD ඩ SINHALA LETTER ALPAPRAANA TAYANNA  
= sinhala letter ta

0DAE ඪ SINHALA LETTER MAHAAPRAANA TAYANNA  
= sinhala letter tha

0DAF ණ SINHALA LETTER ALPAPRAANA DAYANNA  
= sinhala letter da

0DB0 ඬ SINHALA LETTER MAHAAPRAANA DAYANNA  
= sinhala letter dha

0DB1 ත SINHALA LETTER DANTAJA NAYANNA  
= sinhala letter na

0DB2  <reserved>

0DB3 ඳ SINHALA LETTER SANYAKA DAYANNA  
= sinhala letter nda

0DB4 ඵ SINHALA LETTER ALPAPRAANA PAYANNA  
= sinhala letter pa

0DB5 බ SINHALA LETTER MAHAAPRAANA PAYANNA  
= sinhala letter pha

0DB6 භ SINHALA LETTER ALPAPRAANA BAYANNA  
= sinhala letter ba


0DB7 ම SINHALA LETTER MAHAAPRAANA BAYANNA  
= sinhala letter bha

0DB8 ඡ SINHALA LETTER MAYANNA  
= sinhala letter ma

0DB9 ඣ SINHALA LETTER AMBA BAYANNA  
= sinhala letter mba


0DBA ඤ SINHALA LETTER YAYANNA  
= sinhala letter ya


0DBB ඦ SINHALA LETTER RAYANNA  
= sinhala letter ra

0DBC  <reserved>

0DBD ට SINHALA LETTER DANTAJA LAYANNA  
= sinhala letter la

• dental

0DBE  <reserved>

0DBF  <reserved>

0DC0 ච SINHALA LETTER VAYANNA  
= sinhala letter va

0DC1 ඡ SINHALA LETTER TAALUJA SAYANNA  
= sinhala letter sha

0DC2 ඣ SINHALA LETTER MUURDHAJA SAYANNA  
= sinhala letter ssa

• retroflex

0DC3 ඤ SINHALA LETTER DANTAJA SAYANNA  
= sinhala letter sa



• dental

- 0DC4 ඩ SINHALA LETTER HAYANNA  
= sinhala letter ha
- 0DC5 ජ SINHALA LETTER MUURDHHAJA LAYANNA  
= sinhala letter lla  
• retroflex
- 0DC6 ජ SINHALA LETTER FAYANNA  
= sinhala letter fa

**Sign**

- 0DCA ් SINHALA SIGN AL-LAKUNA  
= virama

**Dependent vowel signs**

- 0DCF ් SINHALA VOWEL SIGN AELA-PILLA  
= sinhala vowel sign aa
- 0DD0 ් SINHALA VOWEL SIGN KETTI AEDA-PILLA  
= sinhala vowel sign ae
- 0DD1 ් SINHALA VOWEL SIGN DIGA AEDA-PILLA  
= sinhala vowel sign aae
- 0DD2 ් SINHALA VOWEL SIGN KETTI IS-PILLA  
= sinhala vowel sign i
- 0DD3 ් SINHALA VOWEL SIGN DIGA IS-PILLA  
= sinhala vowel sign ii
- 0DD4 ් SINHALA VOWEL SIGN KETTI PAA-PILLA  
= sinhala vowel sign u
- 0DD5  <reserved>
- 0DD6 ් SINHALA VOWEL SIGN DIGA PAA-PILLA  
= sinhala vowel sign uu
- 0DD7  <reserved>
- 0DD8 ් SINHALA VOWEL SIGN GAETTA-PILLA  
= sinhala vowel sign vocalic r
- 0DD9 ් SINHALA VOWEL SIGN KOMBUVA  
= sinhala vowel sign e
- 0DDA ් SINHALA VOWEL SIGN DIGA KOMBUVA  
= sinhala vowel sign ee  
≡ 0DD ් 0DCA ්
- 0DDB ් SINHALA VOWEL SIGN KOMBU DEKA  
= sinhala vowel sign ai

**Two-part dependent vowel signs**

*These vowel signs have glyph pieces which stand on both sides of the consonant; they follow the consonant in logical order, and should be handled as a unit for most processing.*

- 0DDC ් SINHALA VOWEL SIGN KOMBUVA HAA AELA-PILLA  
= sinhala vowel sign o  
≡ 0DD ් 0DCF ්
- 0DDD ් SINHALA VOWEL SIGN KOMBUVA HAA DIGA AELA-PILLA  
= sinhala vowel sign oo  
≡ 0DD ් 0DCA ්
- 0DDE ් SINHALA VOWEL SIGN KOMBUVA HAA GAYANUKITTA  
= sinhala vowel sign au  
≡ 0DD ් 0DDF ්

**Dependent vowel sign**

- 0DDF ් SINHALA VOWEL SIGN GAYANUKITTA  
= sinhala vowel sign vocalic l

**Additional dependent vowel signs**

- 0DF2 ් SINHALA VOWEL SIGN DIGA GAETTA-PILLA  
= sinhala vowel sign vocalic rr
- 0DF3 ් SINHALA VOWEL SIGN DIGA GAYANUKITTA  
= sinhala vowel sign vocalic ll

**Punctuation**

- 0DF4 ් SINHALA PUNCTUATION KUNDDALIYA

	0E0	0E1	0E2	0E3	0E4	0E5	0E6	0E7
0		จ ๐E10	ภ ๐E20	ะ ๐E30	เ ๐E40	อ ๐E50		
1	ก ๐E01	ท ๐E11	ม ๐E21	ั ๐E31	แ ๐E41	ด ๐E51		
2	ข ๐E02	ฌ ๐E12	ย ๐E22	า ๐E32	โ ๐E42	๒ ๐E52		
3	ช ๐E03	ฌ ๐E13	ร ๐E23	ำ ๐E33	ใ ๐E43	๓ ๐E53		
4	ค ๐E04	ด ๐E14	ฤ ๐E24	ิ ๐E34	ไ ๐E44	๔ ๐E54		
5	ก ๐E05	ต ๐E15	ล ๐E25	ี ๐E35	า ๐E45	๕ ๐E55		
6	ฆ ๐E06	ถ ๐E16	ภ ๐E26	ื ๐E36	จ ๐E46	๖ ๐E56		
7	ง ๐E07	ท ๐E17	ว ๐E27	ึ ๐E37	อ ๐E47	๗ ๐E57		
8	จ ๐E08	ธ ๐E18	ศ ๐E28	ู ๐E38	ั ๐E48	๘ ๐E58		
9	น ๐E09	น ๐E19	ช ๐E29	ู ๐E39	็ ๐E49	๙ ๐E59		
A	ช ๐E0A	บ ๐E1A	ส ๐E2A	ุ ๐E3A	็ ๐E4A	า ๐E5A		
B	ช ๐E0B	ป ๐E1B	ห ๐E2B		๑ ๐E4B	๑ ๐E5B		
C	ฒ ๐E0C	ผ ๐E1C	ฬ ๐E2C		๒ ๐E4C			
D	ญ ๐E0D	ฝ ๐E1D	อ ๐E2D		๓ ๐E4D			
E	ฎ ๐E0E	พ ๐E1E	ฮ ๐E2E		๔ ๐E4E			
F	ฏ ๐E0F	ฟ ๐E1F	ๆ ๐E2F	฿ ๐E3F	© ๐E4F			



**Based on TIS 620-2533****Consonants**

0E01	ก	THAI CHARACTER KO KAI
0E02	ข	THAI CHARACTER KHO KHAI
0E03	ฃ	THAI CHARACTER KHO KHUAT
0E04	ค	THAI CHARACTER KHO KHWAI
0E05	ฅ	THAI CHARACTER KHO KHON
0E06	ฆ	THAI CHARACTER KHO RAKHANG
0E07	ง	THAI CHARACTER NGO NGU
0E08	จ	THAI CHARACTER CHO CHAN
0E09	ฉ	THAI CHARACTER CHO CHING
0E0A	ช	THAI CHARACTER CHO CHANG
0E0B	ซ	THAI CHARACTER SO SO
0E0C	ฌ	THAI CHARACTER CHO CHOE
0E0D	ญ	THAI CHARACTER YO YING
0E0E	ฎ	THAI CHARACTER DO CHADA
0E0F	ฏ	THAI CHARACTER TO PATAK
0E10	ฐ	THAI CHARACTER THO THAN
0E11	ฑ	THAI CHARACTER THO NANGMONTHO
0E12	ฒ	THAI CHARACTER THO PHUTHAO
0E13	ณ	THAI CHARACTER NO NEN
0E14	ด	THAI CHARACTER DO DEK
0E15	ต	THAI CHARACTER TO TAO
0E16	ถ	THAI CHARACTER THO THUNG
0E17	ท	THAI CHARACTER THO THAHAN
0E18	ธ	THAI CHARACTER THO THONG
0E19	น	THAI CHARACTER NO NU
0E1A	บ	THAI CHARACTER BO BAIMAI
0E1B	ป	THAI CHARACTER PO PLA
0E1C	ผ	THAI CHARACTER PHO PHUNG
0E1D	ฝ	THAI CHARACTER FO FA
0E1E	พ	THAI CHARACTER PHO PHAN
0E1F	ฟ	THAI CHARACTER FO FAN
0E20	ภ	THAI CHARACTER PHO SAMPHAO
0E21	ม	THAI CHARACTER MO MA
0E22	ย	THAI CHARACTER YO YAK
0E23	ร	THAI CHARACTER RO RUA
0E24	ฤ	THAI CHARACTER RU
		• independent vowel letter used to write Sanskrit
0E25	ล	THAI CHARACTER LO LING
0E26	ฦ	THAI CHARACTER LU
		• independent vowel letter used to write Sanskrit
0E27	ว	THAI CHARACTER WO WAEN
0E28	ศ	THAI CHARACTER SO SALA
0E29	ษ	THAI CHARACTER SO RUSI
0E2A	ส	THAI CHARACTER SO SUA
0E2B	ห	THAI CHARACTER HO HIP
0E2C	ฬ	THAI CHARACTER LO CHULA
0E2D	อ	THAI CHARACTER O ANG
0E2E	ฮ	THAI CHARACTER HO NOKHUK
		= ho nok huk

**Sign**

0E2F	๑	THAI CHARACTER PAIYANNOI
		= paiyan noi
		• ellipsis, abbreviation

**Vowels**

0E30	๑	THAI CHARACTER SARA A
0E31	๒	THAI CHARACTER MAI HAN-AKAT
0E32	๓	THAI CHARACTER SARA AA
		→ 0E45 ๓ thai character lakkhangyao

0E33	๔	THAI CHARACTER SARA AM
		≈ 0E4D ๕ 0E32 ๓
0E34	๖	THAI CHARACTER SARA I
0E35	๗	THAI CHARACTER SARA II
0E36	๘	THAI CHARACTER SARA UE
0E37	๙	THAI CHARACTER SARA UEE
		= sara uue
0E38	๐	THAI CHARACTER SARA U
0E39	๑	THAI CHARACTER SARA UU
0E3A	๒	THAI CHARACTER PHINTHU
		• Pali virama

**Currency symbol**

0E3F	฿	THAI CURRENCY SYMBOL BAHT
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**Vowels**

*These vowels precede a consonant in visual order.*

0E40	๓	THAI CHARACTER SARA E
0E41	๔	THAI CHARACTER SARA AE
0E42	๕	THAI CHARACTER SARA O
0E43	๖	THAI CHARACTER SARA AI MAIMUMUAN
		= sara ai mai muan
0E44	๗	THAI CHARACTER SARA AI MAIMALAI
		= sara ai mai malai

**Vowel length sign**

0E45	๘	THAI CHARACTER LAKKHANGYAO
		= lakkhang yao
		• special vowel length indication used with
		0E24 ๗ or 0E26 ๗
		→ 0E32 ๓ thai character sara aa

**Repetition mark**

0E46	๙	THAI CHARACTER MAIYAMOK
		= mai yamok
		• repetition

**Vowel**

0E47	๐	THAI CHARACTER MAITAIKHU
		= mai taikhu

**Tone marks**

0E48	๑	THAI CHARACTER MAI EK
0E49	๒	THAI CHARACTER MAI THO
0E4A	๓	THAI CHARACTER MAI TRI
0E4B	๔	THAI CHARACTER MAI CHATAWA

**Signs**

0E4C	๕	THAI CHARACTER THANTHAKHAT
		• cancellation mark
0E4D	๖	THAI CHARACTER NIKHAHIT
		= nikkhahit
		• final nasal
0E4E	๗	THAI CHARACTER YAMAKKAN
0E4F	๘	THAI CHARACTER FONGMAN
		• used as a bullet
		→ 17D9 ๘ khmer sign phnaek muan

**Digits**

0E50	๐	THAI DIGIT ZERO
0E51	๑	THAI DIGIT ONE
0E52	๒	THAI DIGIT TWO
0E53	๓	THAI DIGIT THREE
0E54	๔	THAI DIGIT FOUR
0E55	๕	THAI DIGIT FIVE
0E56	๖	THAI DIGIT SIX

0E57 ๗ THAI DIGIT SEVEN  
 0E58 ๘ THAI DIGIT EIGHT  
 0E59 ๙ THAI DIGIT NINE

**Signs**

0E5A ๑๐ THAI CHARACTER ANGKHANKHU  
 • used to mark end of long sections  
 • used in combination with 0E30 ๐ to mark end of a verse

0E5B ๑๑ THAI CHARACTER KHOMUT  
 • used to mark end of chapter or document  
 → 17DA ๑๒ khmer sign koomuut

	0E8	0E9	0EA	0EB	0EC	0ED	0EE	0EF
0				ຂ 0EB0	໒ 0EC0	໐ 0ED0		
1	ກ 0E81		ມ 0EA1	ປ 0EB1	໒໒ 0EC1	໑ 0ED1		
2	ຂ 0E82		ປ 0EA2	າ 0EB2	ໂ 0EC2	໒ 0ED2		
3			ຮ 0EA3	າ 0EB3	ໃ 0EC3	໓ 0ED3		
4	ຄ 0E84	ດ 0E94		ວ 0EB4	ໄ 0EC4	໔ 0ED4		
5		ຕ 0E95	ລ 0EA5	ວ 0EB5		໕ 0ED5		
6		ຖ 0E96		ອ 0EB6	໘ 0EC6	໖ 0ED6		
7	ງ 0E87	ທ 0E97	ວ 0EA7	ອ 0EB7		ກ 0ED7		
8	ຈ 0E88			ູ 0EB8	໐ 0EC8	ູ 0ED8		
9		ນ 0E99		ູ 0EB9	໐ 0EC9	ລ 0ED9		
A	ຊ 0E8A	ບ 0E9A	ສ 0EA A		ູ 0ECA			
B		ປ 0E9B	ຫ 0EAB	າ 0EBB	໑ 0ECB			
C		ຜ 0E9C		າ 0EBC	໑ 0ECC	໙ 0EDC		
D	ຍ 0E8D	ຝ 0E9D	ອ 0EAD	ຮ 0EBD	໐ 0ECD	໙ 0EDD		
E		ພ 0E9E	ຮ 0EAE					
F		ຟ 0E9F	ຮ 0EAF					

**Consonants**

0E81	ກ	LAO LETTER KO = ko kay
0E82	ຂ	LAO LETTER KHO SUNG = kho khay
0E83		<reserved>
0E84	ຄ	LAO LETTER KHO TAM = kho khuay
0E85		<reserved>
0E86		<reserved>
0E87	ງ	LAO LETTER NGO = ngo ngu, ngo ngua
0E88	ຈ	LAO LETTER CO = co cok, co cua
0E89		<reserved>
0E8A	ຊ	LAO LETTER SO TAM = so sang
0E8B		<reserved>
0E8C		<reserved>
0E8D	ຍ	LAO LETTER NYO = nyo nyung
0E8E		<reserved>
0E8F		<reserved>
0E90		<reserved>
0E91		<reserved>
0E92		<reserved>
0E93		<reserved>
0E94	ດ	LAO LETTER DO = do dek
0E95	ຕ	LAO LETTER TO = to ta
0E96	ຖ	LAO LETTER THO SUNG = tho thong
0E97	ທ	LAO LETTER THO TAM = tho thung
0E98		<reserved>
0E99	ນ	LAO LETTER NO = no nok
0E9A	ບ	LAO LETTER BO = bo be, bo bet
0E9B	ປ	LAO LETTER PO = po pa
0E9C	ຜ	LAO LETTER PHO SUNG = pho pheng
0E9D	ຝ	LAO LETTER FO TAM × LAO LETTER FO FON = fo fa • name is a mistake for fo sung
0E9E	ພ	LAO LETTER PHO TAM = pho phu
0E9F	ຟ	LAO LETTER FO SUNG × LAO LETTER FO FAY • name is a mistake for fo tam
0EA0		<reserved>
0EA1	ມ	LAO LETTER MO = mo mew, mo ma
0EA2	ຢ	LAO LETTER YO = yo ya
0EA3	ລ	LAO LETTER LO LING × LAO LETTER RO = ro rot • name is a mistake, lo ling is the mnemonic for 0EA5 ລ

0EA4		<reserved>
0EA5	ລ	LAO LETTER LO LOOT × LAO LETTER LO = lo ling • name is a mistake, lo loot is the mnemonic for 0EA3 ລ
0EA6		<reserved>
0EA7	ວ	LAO LETTER WO = wo wi
0EA8		<reserved>
0EA9		<reserved>
0EAA	ສ	LAO LETTER SO SUNG = so sya
0EAB	ຫ	LAO LETTER HO SUNG = ho hay, ho han
0EAC		<reserved>
0EAD	ອ	LAO LETTER O = o o
0EAE	ຮ	LAO LETTER HO TAM = ho hya, ho hyan

**Sign**

0EAF	໋	LAO ELLIPSIS
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**Vowels**

0EB0	໋	LAO VOWEL SIGN A
0EB1	໋	LAO VOWEL SIGN MAI KAN • vowel shortener
0EB2	໋	LAO VOWEL SIGN AA
0EB3	໋	LAO VOWEL SIGN AM ≈ 0ECD ັ 0EB2 ໋
0EB4	໋	LAO VOWEL SIGN I
0EB5	໋	LAO VOWEL SIGN II
0EB6	໋	LAO VOWEL SIGN Y
0EB7	໋	LAO VOWEL SIGN YY
0EB8	໋	LAO VOWEL SIGN U
0EB9	໋	LAO VOWEL SIGN UU
0EBA		<reserved>
0EBB	໋	LAO VOWEL SIGN MAI KON = mai kong

**Signs**

0EBC	໋	LAO SEMIVOWEL SIGN LO
0EBD	໋	LAO SEMIVOWEL SIGN NYO = nyo fyang

**Vowels**

*These vowels precede a consonant in visual order.*

0EC0	໋	LAO VOWEL SIGN E
0EC1	໋	LAO VOWEL SIGN EI
0EC2	໋	LAO VOWEL SIGN O
0EC3	໋	LAO VOWEL SIGN AY = mai muan
0EC4	໋	LAO VOWEL SIGN AI = mai may

**Repetition mark**

0EC6	໋	LAO KO LA • repetition
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**Tone marks**

0EC8	໋	LAO TONE MAI EK
0EC9	໋	LAO TONE MAI THO
0ECA	໋	LAO TONE MAI TI
0ECB	໋	LAO TONE MAI CATAWA

**Signs**

0ECC	◌̃	LAO CANCELLATION MARK
0ECD	◌◌	LAO NIGGAHITA
		• final nasal or long o vowel

**Digits**

0ED0	໐	LAO DIGIT ZERO
0ED1	໑	LAO DIGIT ONE
0ED2	໒	LAO DIGIT TWO
0ED3	໓	LAO DIGIT THREE
0ED4	໔	LAO DIGIT FOUR
0ED5	໕	LAO DIGIT FIVE
0ED6	໖	LAO DIGIT SIX
0ED7	໗	LAO DIGIT SEVEN
0ED8	໘	LAO DIGIT EIGHT
0ED9	໙	LAO DIGIT NINE

**Digraphs**

0EDC	໙໐	LAO HO NO
		≈ 0EAB ຫ 0E99 ນ
0EDD	໙໑	LAO HO MO
		≈ 0EAB ຫ 0EA1 ນ

	0F00	0F01	0F02	0F03	0F04	0F05	0F06	0F07	0F08	0F09	0FA0	0FB0	0FC0	0FD0	0FE	0FF
0																
1																
2																
3																
4																
5																
6																
7																
8																
9																
A																
B																
C																
D																
E																
F																

**Syllable**

0F00 ཨྱ TIBETAN SYLLABLE OM

**Head marks**

0F01 ཨྱ TIBETAN MARK GTER YIG MGO TRUNCATED A

0F02 ཨྱ TIBETAN MARK GTER YIG MGO -UM RNAM  
BCAD MA0F03 ཨྱ TIBETAN MARK GTER YIG MGO -UM GTER  
TSHEG MA0F04 ཨྱ TIBETAN MARK INITIAL YIG MGO MDUN MA  
• honorific; marks beginning of text or start of  
new folio  
→ 1800 ཨྱ mongolian birga0F05 ཨྱ TIBETAN MARK CLOSING YIG MGO SGAB MA  
• follows and ligates with initial yig-mgo0F06 ཨྱ TIBETAN MARK CARET YIG MGO PHUR SHAD  
MA

0F07 ཨྱ TIBETAN MARK YIG MGO TSHEG SHAD MA

**Marks and signs**0F08 ཨྱ TIBETAN MARK SBRUL SHAD  
• separates sections of meaning equivalent to  
topics and sub-topics0F09 ཨྱ TIBETAN MARK BSKUR YIG MGO  
• list enumerator, used in Bhutan0F0A ཨྱ TIBETAN MARK BKA- SHOG YIG MGO  
• petition honorific, used in Bhutan0F0B ཨྱ TIBETAN MARK INTERSYLLABIC TSHEG  
= tsek  
• morpheme delimiter (approximate meaning)  
• the normal tsheg; provides a break opportunity  
• character name is a misnomer0F0C ཨྱ TIBETAN MARK DELIMITER TSHEG BSTAR  
• a non-breaking tsheg; inhibits line breaking  
• character name is a misnomer  
≈ <noBreak> 0F0B0F0D ཨྱ TIBETAN MARK SHAD  
= shey  
• marks end of a section of text (tshig-grub)  
→ 0964 I devanagari danda0F0E ཨྱ TIBETAN MARK NYIS SHAD  
• marks end of a whole topic (don-tshan)  
→ 0965 II devanagari double danda

0F0F ཨྱ TIBETAN MARK TSHEG SHAD

0F10 ཨྱ TIBETAN MARK NYIS TSHEG SHAD

0F11 ཨྱ TIBETAN MARK RIN CHEN SPUNGS SHAD  
• shad which follows a tsheg-bar that starts a  
new line

0F12 ཨྱ TIBETAN MARK RGYA GRAM SHAD

0F13 ཨྱ TIBETAN MARK CARET -DZUD RTAGS ME LONG  
CAN0F14 ཨྱ TIBETAN MARK GTER TSHEG  
• used as a comma-like text delimiter  
→ 17D6 ཨྱ khmer sign camnuc pii kuuu**Astrological signs**

0F15 ཨྱ TIBETAN LOGOTYPE SIGN CHAD RTAGS

0F16 ཨྱ TIBETAN LOGOTYPE SIGN LHAG RTAGS

0F17 ཨྱ TIBETAN ASTROLOGICAL SIGN SGRA GCAN  
-CHAR RTAGS0F18 ཨྱ TIBETAN ASTROLOGICAL SIGN -KHYUD PA  
• combines with digits0F19 ཨྱ TIBETAN ASTROLOGICAL SIGN SDONG TSHUGS  
• combines with digits

0F1A ཨྱ TIBETAN SIGN RDEL DKAR GCIG

0F1B ཨྱ TIBETAN SIGN RDEL DKAR GNYIS

0F1C ཨྱ TIBETAN SIGN RDEL DKAR GSUM

0F1D ཨྱ TIBETAN SIGN RDEL NAG GCIG

0F1E ཨྱ TIBETAN SIGN RDEL NAG GNYIS

0F1F ཨྱ TIBETAN SIGN RDEL DKAR RDEL NAG

**Digits**

0F20 ཨྱ TIBETAN DIGIT ZERO

0F21 ཨྱ TIBETAN DIGIT ONE

0F22 ཨྱ TIBETAN DIGIT TWO

0F23 ཨྱ TIBETAN DIGIT THREE

0F24 ཨྱ TIBETAN DIGIT FOUR

0F25 ཨྱ TIBETAN DIGIT FIVE

0F26 ཨྱ TIBETAN DIGIT SIX

0F27 ཨྱ TIBETAN DIGIT SEVEN

0F28 ཨྱ TIBETAN DIGIT EIGHT

0F29 ཨྱ TIBETAN DIGIT NINE

**Digits minus half**

0F2A ཨྱ TIBETAN DIGIT HALF ONE

0F2B ཨྱ TIBETAN DIGIT HALF TWO

0F2C ཨྱ TIBETAN DIGIT HALF THREE

0F2D ཨྱ TIBETAN DIGIT HALF FOUR

0F2E ཨྱ TIBETAN DIGIT HALF FIVE

0F2F ཨྱ TIBETAN DIGIT HALF SIX

0F30 ཨྱ TIBETAN DIGIT HALF SEVEN

0F31 ཨྱ TIBETAN DIGIT HALF EIGHT

0F32 ཨྱ TIBETAN DIGIT HALF NINE

0F33 ཨྱ TIBETAN DIGIT HALF ZERO

**Marks and signs**0F34 ཨྱ TIBETAN MARK BSDUS RTAGS  
• repetition0F35 ཨྱ TIBETAN MARK NGAS BZUNG NYI ZLA  
• honorific, emphasis; used like underlining0F36 ཨྱ TIBETAN MARK CARET -DZUD RTAGS BZHI MIG  
CAN  
• marks point of text insertion or annotation0F37 ཨྱ TIBETAN MARK NGAS BZUNG SGOR RTAGS  
• emphasis; used like underlining

0F38 ཨྱ TIBETAN MARK CHE MGO

0F39 ཨྱ TIBETAN MARK TSA -PHRU  
• a lenition mark**Paired punctuation**

0F3A ཨྱ TIBETAN MARK GUG RTAGS GYON

0F3B ཨྱ TIBETAN MARK GUG RTAGS GYAS  
• brackets

0F3C ཨྱ TIBETAN MARK ANG KHANG GYON

0F3D ཨྱ TIBETAN MARK ANG KHANG GYAS  
• used for bracketing with a roof over**Astrological signs**

0F3E ཨྱ TIBETAN SIGN YAR TSHES

0F3F ཨྱ TIBETAN SIGN MAR TSHES  
• marks which combine with digits**Consonants**

0F40 ཨྱ TIBETAN LETTER KA

0F41 ཨྱ TIBETAN LETTER KHA

0F42 ཨྱ TIBETAN LETTER GA

0F43 ཨྱ TIBETAN LETTER GHA

≡ 0F42 ཨྱ 0FB7 ཨྱ

0F44 ཨྱ TIBETAN LETTER NGA

0F45	ཅ	TIBETAN LETTER CA
0F46	ཆ	TIBETAN LETTER CHA
0F47	ཇ	TIBETAN LETTER JA
0F48	◻	<reserved>
0F49	ཉ	TIBETAN LETTER NYA
0F4A	ཏ	TIBETAN LETTER TTA
0F4B	ཐ	TIBETAN LETTER TTHA
0F4C	ཌ	TIBETAN LETTER DDA
0F4D	ཌྷ	TIBETAN LETTER DDHA ≡ 0F4C ཌ 0FB7 ཟ
0F4E	ཎ	TIBETAN LETTER NNA
0F4F	ཏ	TIBETAN LETTER TA
0F50	ཐ	TIBETAN LETTER THA
0F51	ཌ	TIBETAN LETTER DA
0F52	ཌྷ	TIBETAN LETTER DHA ≡ 0F51 ཌ 0FB7 ཟ
0F53	ཎ	TIBETAN LETTER NA
0F54	ཏ	TIBETAN LETTER PA
0F55	ཐ	TIBETAN LETTER PHA
0F56	ཌ	TIBETAN LETTER BA
0F57	ཌྷ	TIBETAN LETTER BHA ≡ 0F56 ཌ 0FB7 ཟ
0F58	ཎ	TIBETAN LETTER MA
0F59	ཏ	TIBETAN LETTER TSA
0F5A	ཐ	TIBETAN LETTER TSHA
0F5B	ཌ	TIBETAN LETTER DZA
0F5C	ཌྷ	TIBETAN LETTER DZHA ≡ 0F5B ཌ 0FB7 ཟ
0F5D	ཎ	TIBETAN LETTER WA
0F5E	ཏ	TIBETAN LETTER ZHA
0F5F	ཐ	TIBETAN LETTER ZA
0F60	ཌ	TIBETAN LETTER -A
0F61	ཎ	TIBETAN LETTER YA
0F62	ཏ	TIBETAN LETTER RA • when followed by a subjoined letter = ra mgo
0F63	ཎ	TIBETAN LETTER LA
0F64	ཏ	TIBETAN LETTER SHA
0F65	ཐ	TIBETAN LETTER SSA = reversed sha
0F66	ཎ	TIBETAN LETTER SA
0F67	ཏ	TIBETAN LETTER HA
0F68	ཏ	TIBETAN LETTER A • base for dependent vowels
0F69	ཎ	TIBETAN LETTER KSSA ≡ 0F40 ཏ 0FB5 ཟ
0F6A	ཏ	TIBETAN LETTER FIXED-FORM RA • fixed-form letter not showing the shape variation of the ordinary ra • used only in transliteration and transcription → 0F62 ཏ tibetan letter ra

**Extensions for Balti**

0F6B	ཏ	TIBETAN LETTER KKA
0F6C	ཏ	TIBETAN LETTER RRA

**Dependent vowel signs**

0F71	ཎ	TIBETAN VOWEL SIGN AA = a-chung • common, vowel-lengthening mark
0F72	ཎ	TIBETAN VOWEL SIGN I
0F73	ཎ	TIBETAN VOWEL SIGN II • use of this character is discouraged ≡ 0F71 ཎ 0F72 ཎ

0F74	ཎ	TIBETAN VOWEL SIGN U
0F75	ཎ	TIBETAN VOWEL SIGN UU • use of this character is discouraged ≡ 0F71 ཎ 0F74 ཎ
0F76	ཎ	TIBETAN VOWEL SIGN VOCALIC R ≡ 0FB2 ཎ 0F80 ཎ
0F77	ཎ	TIBETAN VOWEL SIGN VOCALIC RR • this character is deprecated and its use is strongly discouraged ≈ 0FB2 ཎ 0F81 ཎ
0F78	ཎ	TIBETAN VOWEL SIGN VOCALIC L ≡ 0FB3 ཎ 0F80 ཎ
0F79	ཎ	TIBETAN VOWEL SIGN VOCALIC LL • this character is deprecated and its use is strongly discouraged ≈ 0FB3 ཎ 0F81 ཎ
0F7A	ཎ	TIBETAN VOWEL SIGN E
0F7B	ཎ	TIBETAN VOWEL SIGN EE
0F7C	ཎ	TIBETAN VOWEL SIGN O
0F7D	ཎ	TIBETAN VOWEL SIGN OO

**Vocalic modification**

0F7E	ཎ	TIBETAN SIGN RJES SU NGA RO = anusvara
0F7F	ཎ	TIBETAN SIGN RNAM BCAD = visarga

**Dependent vowel signs**

0F80	ཎ	TIBETAN VOWEL SIGN REVERSED I
0F81	ཎ	TIBETAN VOWEL SIGN REVERSED II • use of this character is discouraged ≡ 0F71 ཎ 0F80 ཎ

**Marks and signs**

0F82	ཎ	TIBETAN SIGN NYI ZLA NAA DA
0F83	ཎ	TIBETAN SIGN SNA LDAN → 0901 ཎ devanagari sign candrabindu
0F84	ཎ	TIBETAN MARK HALANTA = srog med → 094D ཎ devanagari sign virama
0F85	ཎ	TIBETAN MARK PALUTA • transliteration of Sanskrit avagraha → 093D ཎ devanagari sign avagraha
0F86	ཎ	TIBETAN SIGN LCI RTAGS
0F87	ཎ	TIBETAN SIGN YANG RTAGS

**Transliteration head letters**

0F88	ཎ	TIBETAN SIGN LCE TSA CAN → 0CF1 ཎ kannada sign jihvamuliya → 1882 ཎ mongolian letter ali gali damaru
0F89	ཎ	TIBETAN SIGN MCHU CAN → 0CF2 ཎ kannada sign upadhmaniya → 1884 ཎ mongolian letter ali gali inverted ubadama
0F8A	ཎ	TIBETAN SIGN GRU CAN RGYINGS • always followed by 0F82 ཎ
0F8B	ཎ	TIBETAN SIGN GRU MED RGYINGS

**Subjoined consonants**

<i>The subjoined letters for WA, YA, and RA appear in both full and short forms. The short forms, wa.zur, ya-btags, and ra-btags, respectively, are most common and are the forms shown in the charts.</i>		
0F90	ཎ	TIBETAN SUBJOINED LETTER KA
0F91	ཎ	TIBETAN SUBJOINED LETTER KHA



0F92		TIBETAN SUBJOINED LETTER GA
0F93		TIBETAN SUBJOINED LETTER GHA ≡ 0F92  0FB7
0F94		TIBETAN SUBJOINED LETTER NGA
0F95		TIBETAN SUBJOINED LETTER CA
0F96		TIBETAN SUBJOINED LETTER CHA
0F97		TIBETAN SUBJOINED LETTER JA
0F98		<reserved>
0F99		TIBETAN SUBJOINED LETTER NYA
0F9A		TIBETAN SUBJOINED LETTER TTA
0F9B		TIBETAN SUBJOINED LETTER TTHA
0F9C		TIBETAN SUBJOINED LETTER DDA
0F9D		TIBETAN SUBJOINED LETTER DDHA ≡ 0F9C  0FB7
0F9E		TIBETAN SUBJOINED LETTER NNA
0F9F		TIBETAN SUBJOINED LETTER TA
0FA0		TIBETAN SUBJOINED LETTER THA
0FA1		TIBETAN SUBJOINED LETTER DA
0FA2		TIBETAN SUBJOINED LETTER DHA ≡ 0FA1  0FB7
0FA3		TIBETAN SUBJOINED LETTER NA
0FA4		TIBETAN SUBJOINED LETTER PA
0FA5		TIBETAN SUBJOINED LETTER PHA
0FA6		TIBETAN SUBJOINED LETTER BA
0FA7		TIBETAN SUBJOINED LETTER BHA ≡ 0FA6  0FB7
0FA8		TIBETAN SUBJOINED LETTER MA
0FA9		TIBETAN SUBJOINED LETTER TSA
0FAA		TIBETAN SUBJOINED LETTER TSHA
0FAB		TIBETAN SUBJOINED LETTER DZA
0FAC		TIBETAN SUBJOINED LETTER DZHA ≡ 0FAB  0FB7
0FAD		TIBETAN SUBJOINED LETTER WA = wa-zur, wa-btags (wa ta)
0FAE		TIBETAN SUBJOINED LETTER ZHA
0FAF		TIBETAN SUBJOINED LETTER ZA
0FB0		TIBETAN SUBJOINED LETTER -A = a-chung • rare, only used for full-sized subjoined letter → 0F71  tibetan vowel sign aa
0FB1		TIBETAN SUBJOINED LETTER YA = ya-btags (ya ta)
0FB2		TIBETAN SUBJOINED LETTER RA = ra-btags (ra ta)
0FB3		TIBETAN SUBJOINED LETTER LA
0FB4		TIBETAN SUBJOINED LETTER SHA
0FB5		TIBETAN SUBJOINED LETTER SSA = reversed subjoined sha
0FB6		TIBETAN SUBJOINED LETTER SA
0FB7		TIBETAN SUBJOINED LETTER HA
0FB8		TIBETAN SUBJOINED LETTER A
0FB9		TIBETAN SUBJOINED LETTER KSSA ≡ 0F90  0FB5

**Fixed-form subjoined consonants**

*These characters are used only for transliteration and transcription.*

0FBA		TIBETAN SUBJOINED LETTER FIXED-FORM WA
0FBB		TIBETAN SUBJOINED LETTER FIXED-FORM YA
0FBC		TIBETAN SUBJOINED LETTER FIXED-FORM RA

**Signs**

0FBE	×	TIBETAN KU RU KHA • often repeated three times; indicates a refrain
0FBF	※	TIBETAN KU RU KHA BZHI MIG CAN • marks point of text insertion or annotation → 203B ※ reference mark

**Cantillation signs**

0FC0	○	TIBETAN CANTILLATION SIGN HEAVY BEAT • marks a heavy drum beat
0FC1	○	TIBETAN CANTILLATION SIGN LIGHT BEAT • marks a light drum beat
0FC2	◌	TIBETAN CANTILLATION SIGN CANG TE-U • symbol of a small Tibetan hand drum
0FC3	⊗	TIBETAN CANTILLATION SIGN SBUB -CHAL • symbol of a Tibetan cymbal

**Symbols**

0FC4	♠	TIBETAN SYMBOL DRIL BU • symbol of a Tibetan hand bell
0FC5	‡	TIBETAN SYMBOL RDO RJE
0FC6	◌	TIBETAN SYMBOL PADMA GDAN
0FC7	✦	TIBETAN SYMBOL RDO RJE RGYA GRAM
0FC8	‡	TIBETAN SYMBOL PHUR PA
0FC9	⊙	TIBETAN SYMBOL NOR BU
0FCA	⊗	TIBETAN SYMBOL NOR BU NYIS -KHYIL • the double body symbol → 262F ☯ yin yang
0FCB	⊗	TIBETAN SYMBOL NOR BU GSUM -KHYIL • the tri-kaya or triple body symbol
0FCC	⊗	TIBETAN SYMBOL NOR BU BZHI -KHYIL • the quadruple body symbol, a form of the svasti sign → 0FD6  left-facing svasti sign

**Astrological signs**

0FCE	×	TIBETAN SIGN RDEL NAG RDEL DKAR = dena deka • signifies good luck earlier, bad luck later
0FCF	✦	TIBETAN SIGN RDEL NAG GSUM

**Marks**

0FD0	↷	TIBETAN MARK BSKA- SHOG GI MGO RGYAN ✦ TIBETAN MARK BKA- SHOG GI MGO RGYAN • used in Bhutan
0FD1	↷	TIBETAN MARK MNYAM YIG GI MGO RGYAN • used in Bhutan
0FD2	:	TIBETAN MARK NYIS TSHEG = nyi tsek

**Head marks**

0FD3	↷	TIBETAN MARK INITIAL BRDA RNYING YIG MGO MDUN MA = da nying yik go dun ma
0FD4	↷	TIBETAN MARK CLOSING BRDA RNYING YIG MGO SGAB MA = da nying yik go kab ma

**Religious symbols**

0FD5	卐	RIGHT-FACING SVASTI SIGN = gyung drung nang -khor • symbol of good luck and well-being in India → 5350
0FD6	卐	LEFT-FACING SVASTI SIGN = gyung drung phyi -khor → 534D

- 0FD7 ཨྐ RIGHT-FACING SVASTI SIGN WITH DOTS  
= gyung drung nang -khor bzhi mig can
- 0FD8 ཨྑ LEFT-FACING SVASTI SIGN WITH DOTS  
= gyung drung phyi -khor bzhi mig can

	100	101	102	103	104	105	106	107	108	109
0	က 1000	တ 1010	င 1020	လ 1030	ဝ 1040	စ 1050	ဒ 1060	ဃ 1070	ဆ 1080	ဝ 1090
1	ခ 1001	ထ 1011	အ 1021	ေ 1031	၁ 1041	၁ 1051	၅ 1061	ိ 1071	၂ 1081	၃ 1091
2	ဂ 1002	ဒ 1012	က 1022	ဲ 1032	၂ 1042	၆ 1052	၁ 1062	ိ 1072	့ 1082	၇ 1092
3	ဃ 1003	စ 1013	ဒိ 1023	ီ 1033	၃ 1043	ပ 1053	၃ 1063	ံ 1073	ါ 1083	၈ 1093
4	င 1004	န 1014	ြ 1024	် 1034	၄ 1044	ေ 1054	ါ 1064	ိ 1074	ေ 1084	၉ 1094
5	စ 1005	ပ 1015	ဇ 1025	ိ 1035	၅ 1045	ဇ 1055	၁ 1065	ဂ 1075	ိ 1085	၉ 1095
6	ဆ 1006	ဖ 1016	ဇ 1026	ိ 1036	၆ 1046	့ 1056	၂ 1066	စ 1076	ိ 1086	၁ 1096
7	ဇ 1007	ပ 1017	ဇ 1027	့ 1037	၇ 1047	့ 1057	ါ 1067	ဂ 1077	့ 1087	၁ 1097
8	ဈ 1008	ဘ 1018	ဇ 1028	့ 1038	ဂ 1048	့ 1058	ါ 1068	ဂ 1078	့ 1088	၂ 1098
9	ည 1009	မ 1019	ြ 1029	့ 1039	ဇ 1049	့ 1059	ါ 1069	ဇ 1079	့ 1089	၃ 1099
A	ည 100A	ယ 101A	ြ 102A	ိ 103A	ါ 104A	ဂ 105A	ါ 106A	ဂ 107A	့ 108A	ိ 109A
B	ဇ 100B	ရ 101B	ါ 102B	့ 103B	ါ 104B	ဇ 105B	ါ 106B	ဂ 107B	့ 108B	ိ 109B
C	ဇ 100C	လ 101C	ိ 102C	ါ 103C	ဇ 104C	စ 105C	ါ 106C	ဆ 107C	့ 108C	ိ 109C
D	ည 100D	ဝ 101D	ိ 102D	့ 103D	ြ 104D	ဇ 105D	ါ 106D	ဇ 107D	့ 108D	ိ 109D
E	ပ 100E	သ 101E	ီ 102E	့ 103E	၄ 104E	့ 105E	က 106E	ဇ 107E	စ 108E	ါ 109E
F	က 100F	ဟ 101F	ါ 102F	သ 103F	၏ 104F	့ 105F	ဟ 106F	စ 107F	့ 108F	ါ 109F

**Consonants**

1000	က	MYANMAR LETTER KA
1001	ခ	MYANMAR LETTER KHA
1002	ဂ	MYANMAR LETTER GA
1003	ဃ	MYANMAR LETTER GHA
1004	င	MYANMAR LETTER NGA
1005	စ	MYANMAR LETTER CA
1006	ဆ	MYANMAR LETTER CHA
1007	ဇ	MYANMAR LETTER JA
1008	ည	MYANMAR LETTER JHA
1009	ဋ	MYANMAR LETTER NYA
100A	ဌ	MYANMAR LETTER NNYA
100B	တ	MYANMAR LETTER TTA
100C	ထ	MYANMAR LETTER TTHA
100D	ဒ	MYANMAR LETTER DDA
100E	ဌ	MYANMAR LETTER DDHA
100F	န	MYANMAR LETTER NNA
1010	တ	MYANMAR LETTER TA
1011	ထ	MYANMAR LETTER THA
1012	ဒ	MYANMAR LETTER DA
1013	ဓ	MYANMAR LETTER DHA
1014	န	MYANMAR LETTER NA
1015	ပ	MYANMAR LETTER PA
1016	ဖ	MYANMAR LETTER PHA
1017	ဘ	MYANMAR LETTER BA
1018	ဗ	MYANMAR LETTER BHA
1019	မ	MYANMAR LETTER MA
101A	ယ	MYANMAR LETTER YA
101B	ရ	MYANMAR LETTER RA
101C	လ	MYANMAR LETTER LA
101D	ဝ	MYANMAR LETTER WA
101E	သ	MYANMAR LETTER SA
101F	ဟ	MYANMAR LETTER HA
1020	ဇာ	MYANMAR LETTER LLA

**Independent vowels**

1021	အ	MYANMAR LETTER A • also represents the glottal stop as a consonant
1022	ဣ	MYANMAR LETTER SHAN A
1023	ဣ	MYANMAR LETTER I
1024	ဣ	MYANMAR LETTER II
1025	ဣ	MYANMAR LETTER U
1026	ဣ	MYANMAR LETTER UU ≡ 1025 ဣ 102E ဣ
1027	ဧ	MYANMAR LETTER E
1028	ဧ	MYANMAR LETTER MON E
1029	ဧ	MYANMAR LETTER O
102A	ဧ	MYANMAR LETTER AU

**Dependent vowel signs**

102B	၀	MYANMAR VOWEL SIGN TALL AA
102C	၀	MYANMAR VOWEL SIGN AA
102D	၀	MYANMAR VOWEL SIGN I
102E	၀	MYANMAR VOWEL SIGN II
102F	၀	MYANMAR VOWEL SIGN U
1030	၀	MYANMAR VOWEL SIGN UU
1031	၀	MYANMAR VOWEL SIGN E • stands to the left of the consonant
1032	၀	MYANMAR VOWEL SIGN AI
1033	၀	MYANMAR VOWEL SIGN MON II
1034	၀	MYANMAR VOWEL SIGN MON O
1035	၀	MYANMAR VOWEL SIGN E ABOVE

**Various signs**

1036	၀	MYANMAR SIGN ANUSVARA
1037	၀	MYANMAR SIGN DOT BELOW = aukmyit • a tone mark
1038	၀	MYANMAR SIGN VISARGA
1039	၀	MYANMAR SIGN VIRAMA = killer (when rendered visibly)
103A	၀	MYANMAR SIGN ASAT = killer (always rendered visibly)

**Dependent consonant signs**

103B	၀	MYANMAR CONSONANT SIGN MEDIAL YA
103C	၀	MYANMAR CONSONANT SIGN MEDIAL RA
103D	၀	MYANMAR CONSONANT SIGN MEDIAL WA
103E	၀	MYANMAR CONSONANT SIGN MEDIAL HA

**Consonant**

103F	၀	MYANMAR LETTER GREAT SA
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**Digits**

1040	၀	MYANMAR DIGIT ZERO
1041	၀	MYANMAR DIGIT ONE
1042	၀	MYANMAR DIGIT TWO
1043	၀	MYANMAR DIGIT THREE
1044	၀	MYANMAR DIGIT FOUR
1045	၀	MYANMAR DIGIT FIVE
1046	၀	MYANMAR DIGIT SIX
1047	၀	MYANMAR DIGIT SEVEN
1048	၀	MYANMAR DIGIT EIGHT
1049	၀	MYANMAR DIGIT NINE

**Punctuation**

104A	၀	MYANMAR SIGN LITTLE SECTION → 0964 I devanagari danda
104B	၀	MYANMAR SIGN SECTION → 0965 II devanagari double danda

**Various signs**

104C	၀	MYANMAR SYMBOL LOCATIVE
104D	၀	MYANMAR SYMBOL COMPLETED
104E	၀	MYANMAR SYMBOL AFOREMENTIONED
104F	၀	MYANMAR SYMBOL GENITIVE

**Pali and Sanskrit extensions**

1050	၀	MYANMAR LETTER SHA
1051	၀	MYANMAR LETTER SSA
1052	၀	MYANMAR LETTER VOCALIC R
1053	၀	MYANMAR LETTER VOCALIC RR
1054	၀	MYANMAR LETTER VOCALIC L
1055	၀	MYANMAR LETTER VOCALIC LL
1056	၀	MYANMAR VOWEL SIGN VOCALIC R
1057	၀	MYANMAR VOWEL SIGN VOCALIC RR
1058	၀	MYANMAR VOWEL SIGN VOCALIC L
1059	၀	MYANMAR VOWEL SIGN VOCALIC LL

**Extensions for Mon**

105A	၀	MYANMAR LETTER MON NGA
105B	၀	MYANMAR LETTER MON JHA
105C	၀	MYANMAR LETTER MON BBA
105D	၀	MYANMAR LETTER MON BBE
105E	၀	MYANMAR CONSONANT SIGN MON MEDIAL NA
105F	၀	MYANMAR CONSONANT SIGN MON MEDIAL MA

1060 ဝ MYANMAR CONSONANT SIGN MON MEDIAL LA

#### Extensions for S'gaw Karen

1061 ၵ MYANMAR LETTER SGAW KAREN SHA  
 1062 ဝ၁ MYANMAR VOWEL SIGN SGAW KAREN EU  
 1063 ဝပ MYANMAR TONE MARK SGAW KAREN HATHI  
 1064 ဝ၁ MYANMAR TONE MARK SGAW KAREN KE PHO

#### Extensions for Western Pwo Karen

1065 ဝ MYANMAR LETTER WESTERN PWO KAREN THA  
 1066 ဝ၂ MYANMAR LETTER WESTERN PWO KAREN PWA  
 1067 ဝ၂ MYANMAR VOWEL SIGN WESTERN PWO KAREN EU  
 1068 ဝ၂ MYANMAR VOWEL SIGN WESTERN PWO KAREN UE  
 1069 ဝ၂ MYANMAR SIGN WESTERN PWO KAREN TONE-1  
 106A ဝ၂ MYANMAR SIGN WESTERN PWO KAREN TONE-2  
 106B ဝ၁ MYANMAR SIGN WESTERN PWO KAREN TONE-3  
 106C ဝ၂ MYANMAR SIGN WESTERN PWO KAREN TONE-4  
 106D ဝ၂ MYANMAR SIGN WESTERN PWO KAREN TONE-5

#### Extensions for Eastern Pwo Karen

106E ဝ၂ MYANMAR LETTER EASTERN PWO KAREN NNA  
 106F ဝ၂ MYANMAR LETTER EASTERN PWO KAREN YWA  
 1070 ဝ၂ MYANMAR LETTER EASTERN PWO KAREN GHWA

#### Extension for Geba Karen

1071 ဝ၂ MYANMAR VOWEL SIGN GEBA KAREN I

#### Extensions for Kayah

1072 ဝ၂ MYANMAR VOWEL SIGN KAYAH OE  
 1073 ဝ၂ MYANMAR VOWEL SIGN KAYAH U  
 1074 ဝ၂ MYANMAR VOWEL SIGN KAYAH EE

#### Extensions for Shan

1075 ဝ၂ MYANMAR LETTER SHAN KA  
 1076 ဝ၂ MYANMAR LETTER SHAN KHA  
 1077 ဝ၂ MYANMAR LETTER SHAN GA  
 1078 ဝ၂ MYANMAR LETTER SHAN CA  
 1079 ဝ၂ MYANMAR LETTER SHAN ZA  
 107A ဝ၂ MYANMAR LETTER SHAN NYA  
 107B ဝ၂ MYANMAR LETTER SHAN DA  
 107C ဝ၂ MYANMAR LETTER SHAN NA  
 107D ဝ၂ MYANMAR LETTER SHAN PHA  
 107E ဝ၂ MYANMAR LETTER SHAN FA  
 107F ဝ၂ MYANMAR LETTER SHAN BA  
 1080 ဝ၂ MYANMAR LETTER SHAN THA  
 1081 ဝ၂ MYANMAR LETTER SHAN HA  
 1082 ဝ၂ MYANMAR CONSONANT SIGN SHAN MEDIAL WA  
 1083 ဝ၂ MYANMAR VOWEL SIGN SHAN AA  
 1084 ဝ၂ MYANMAR VOWEL SIGN SHAN E  
 1085 ဝ၂ MYANMAR VOWEL SIGN SHAN E ABOVE  
 1086 ဝ၂ MYANMAR VOWEL SIGN SHAN FINAL Y  
 1087 ဝ၂ MYANMAR SIGN SHAN TONE-2  
 1088 ဝ၂ MYANMAR SIGN SHAN TONE-3  
 1089 ဝ၂ MYANMAR SIGN SHAN TONE-5  
 108A ဝ၂ MYANMAR SIGN SHAN TONE-6  
 108B ဝ၂ MYANMAR SIGN SHAN COUNCIL TONE-2

108C ဝ၂ MYANMAR SIGN SHAN COUNCIL TONE-3

108D ဝ၂ MYANMAR SIGN SHAN COUNCIL EMPHATIC TONE

#### Extensions for Rumai Palaung

108E ဝ၂ MYANMAR LETTER RUMAI PALAUNG FA  
 108F ဝ၂ MYANMAR SIGN RUMAI PALAUNG TONE-5

#### Shan digits

1090 ၀ MYANMAR SHAN DIGIT ZERO  
 1091 ၁ MYANMAR SHAN DIGIT ONE  
 1092 ၂ MYANMAR SHAN DIGIT TWO  
 1093 ၃ MYANMAR SHAN DIGIT THREE  
 1094 ၄ MYANMAR SHAN DIGIT FOUR  
 1095 ၅ MYANMAR SHAN DIGIT FIVE  
 1096 ၆ MYANMAR SHAN DIGIT SIX  
 1097 ၇ MYANMAR SHAN DIGIT SEVEN  
 1098 ၈ MYANMAR SHAN DIGIT EIGHT  
 1099 ၉ MYANMAR SHAN DIGIT NINE

#### Extensions for Khamti Shan

109A ဝ၂ MYANMAR SIGN KHAMTI TONE-1  
 109B ဝ၂ MYANMAR SIGN KHAMTI TONE-3

#### Extensions for Aiton and Phake

109C ဝ၂ MYANMAR VOWEL SIGN AITON A  
 109D ဝ၂ MYANMAR VOWEL SIGN AITON AI

#### Shan symbols

109E ဝ၂ MYANMAR SYMBOL SHAN ONE  
 109F ဝ၂ MYANMAR SYMBOL SHAN EXCLAMATION

	10A	10B	10C	10D	10E	10F
0	Ⴀ 10A0	Ⴁ 10B0	Ⴂ 10C0	Ⴃ 10D0	Ⴄ 10E0	Ⴅ 10F0
1	Ⴆ 10A1	Ⴇ 10B1	Ⴈ 10C1	Ⴉ 10D1	Ⴊ 10E1	Ⴋ 10F1
2	Ⴌ 10A2	Ⴍ 10B2	Ⴎ 10C2	Ⴏ 10D2	Ⴐ 10E2	Ⴑ 10F2
3	Ⴒ 10A3	Ⴓ 10B3	Ⴔ 10C3	Ⴕ 10D3	Ⴖ 10E3	Ⴗ 10F3
4	Ⴘ 10A4	Ⴙ 10B4	Ⴚ 10C4	Ⴛ 10D4	Ⴜ 10E4	Ⴝ 10F4
5	Ⴟ 10A5	Ⴡ 10B5	Ⴢ 10C5	Ⴣ 10D5	Ⴤ 10E5	Ⴥ 10F5
6	჆ 10A6	Ⴧ 10B6		჉ 10D6	჊ 10E6	჋ 10F6
7	჌ 10A7	Ⴭ 10B7		჏ 10D7	ა 10E7	ბ 10F7
8	გ 10A8	დ 10B8		ვ 10D8	ზ 10E8	თ 10F8
9	ი 10A9	კ 10B9		მ 10D9	ნ 10E9	ო 10F9
A	პ 10AA	ჟ 10BA		ს 10DA	ტ 10EA	უ 10FA
B	ქ 10AB	ღ 10BB		შ 10DB	ჩ 10EB	ჰ 10FB
C	ჲ 10AC	ჳ 10BC		ჵ 10DC	ჶ 10EC	ჷ 10FC
D	ჹ 10AD	ჺ 10BD		ჼ 10DD	ჽ 10ED	
E	ჿ 10AE	ჾ 10BE		ჿ 10DE	ბ 10EE	
F	ყ 10AF	ჯ 10BF		ჱ 10DF	ჯ 10EF	

**Capital letters (Khutsuri)**

*This is the uppercase of the old ecclesiastical alphabet. The style shown in the code charts is known as Asomtavruli. See the Georgian Supplement block for lowercase Nuskhuri.*

10A0	Ⴀ	GEORGIAN CAPITAL LETTER AN
10A1	Ⴁ	GEORGIAN CAPITAL LETTER BAN
10A2	Ⴂ	GEORGIAN CAPITAL LETTER GAN
10A3	Ⴃ	GEORGIAN CAPITAL LETTER DON
10A4	Ⴄ	GEORGIAN CAPITAL LETTER EN
10A5	Ⴅ	GEORGIAN CAPITAL LETTER VIN
10A6	Ⴆ	GEORGIAN CAPITAL LETTER ZEN
10A7	Ⴇ	GEORGIAN CAPITAL LETTER TAN
10A8	Ⴈ	GEORGIAN CAPITAL LETTER IN
10A9	Ⴉ	GEORGIAN CAPITAL LETTER KAN
10AA	Ⴊ	GEORGIAN CAPITAL LETTER LAS
10AB	Ⴋ	GEORGIAN CAPITAL LETTER MAN
10AC	Ⴌ	GEORGIAN CAPITAL LETTER NAR
10AD	Ⴍ	GEORGIAN CAPITAL LETTER ON
10AE	Ⴎ	GEORGIAN CAPITAL LETTER PAR
10AF	Ⴏ	GEORGIAN CAPITAL LETTER ZHAR
10B0	Ⴐ	GEORGIAN CAPITAL LETTER RAE
10B1	Ⴑ	GEORGIAN CAPITAL LETTER SAN
10B2	Ⴒ	GEORGIAN CAPITAL LETTER TAR
10B3	Ⴓ	GEORGIAN CAPITAL LETTER UN
10B4	Ⴔ	GEORGIAN CAPITAL LETTER PHAR
10B5	Ⴕ	GEORGIAN CAPITAL LETTER KHAR
10B6	Ⴖ	GEORGIAN CAPITAL LETTER GHAN
10B7	Ⴗ	GEORGIAN CAPITAL LETTER QAR
10B8	Ⴘ	GEORGIAN CAPITAL LETTER SHIN
10B9	Ⴙ	GEORGIAN CAPITAL LETTER CHIN
10BA	Ⴚ	GEORGIAN CAPITAL LETTER CAN
10BB	Ⴛ	GEORGIAN CAPITAL LETTER JIL
10BC	Ⴜ	GEORGIAN CAPITAL LETTER CIL
10BD	Ⴝ	GEORGIAN CAPITAL LETTER CHAR
10BE	Ⴞ	GEORGIAN CAPITAL LETTER XAN
10BF	Ⴟ	GEORGIAN CAPITAL LETTER JHAN
10C0	ⴁ	GEORGIAN CAPITAL LETTER HAE
10C1	ⴂ	GEORGIAN CAPITAL LETTER HE
10C2	ⴃ	GEORGIAN CAPITAL LETTER HIE
10C3	ⴄ	GEORGIAN CAPITAL LETTER WE
10C4	ⴅ	GEORGIAN CAPITAL LETTER HAR
10C5	ⴆ	GEORGIAN CAPITAL LETTER HOE

**Mkhedruli**

*This is the modern secular alphabet, which is caseless.*

10D0	Ⴗ	GEORGIAN LETTER AN
10D1	Ⴘ	GEORGIAN LETTER BAN
10D2	Ⴙ	GEORGIAN LETTER GAN
10D3	Ⴚ	GEORGIAN LETTER DON
10D4	Ⴛ	GEORGIAN LETTER EN
10D5	Ⴜ	GEORGIAN LETTER VIN
10D6	Ⴝ	GEORGIAN LETTER ZEN
10D7	Ⴞ	GEORGIAN LETTER TAN
10D8	Ⴟ	GEORGIAN LETTER IN
10D9	ⴁ	GEORGIAN LETTER KAN
10DA	ⴂ	GEORGIAN LETTER LAS
10DB	ⴃ	GEORGIAN LETTER MAN
10DC	ⴄ	GEORGIAN LETTER NAR
10DD	ⴅ	GEORGIAN LETTER ON
10DE	ⴆ	GEORGIAN LETTER PAR
10DF	ⴇ	GEORGIAN LETTER ZHAR

10E0	Ⴇ	GEORGIAN LETTER RAE
10E1	Ⴈ	GEORGIAN LETTER SAN
10E2	Ⴉ	GEORGIAN LETTER TAR
10E3	Ⴊ	GEORGIAN LETTER UN
10E4	Ⴋ	GEORGIAN LETTER PHAR
10E5	Ⴌ	GEORGIAN LETTER KHAR
10E6	Ⴍ	GEORGIAN LETTER GHAN
10E7	Ⴎ	GEORGIAN LETTER QAR
10E8	Ⴏ	GEORGIAN LETTER SHIN
10E9	Ⴐ	GEORGIAN LETTER CHIN
10EA	Ⴑ	GEORGIAN LETTER CAN
10EB	Ⴒ	GEORGIAN LETTER JIL
10EC	Ⴓ	GEORGIAN LETTER CIL
10ED	Ⴔ	GEORGIAN LETTER CHAR
10EE	Ⴕ	GEORGIAN LETTER XAN
10EF	Ⴖ	GEORGIAN LETTER JHAN
10F0	Ⴗ	GEORGIAN LETTER HAE

**Archaic letters**

10F1	Ⴇ	GEORGIAN LETTER HE
10F2	Ⴈ	GEORGIAN LETTER HIE
10F3	Ⴉ	GEORGIAN LETTER WE
10F4	Ⴊ	GEORGIAN LETTER HAR
10F5	Ⴋ	GEORGIAN LETTER HOE
10F6	Ⴌ	GEORGIAN LETTER FI

**Additional letters for Mingrelian and Svan**

10F7	Ⴇ	GEORGIAN LETTER YN
10F8	Ⴈ	GEORGIAN LETTER ELIFI

**Additional letters**

10F9	Ⴇ	GEORGIAN LETTER TURNED GAN
10FA	Ⴈ	GEORGIAN LETTER AIN

**Punctuation**

10FB	ⴂ	GEORGIAN PARAGRAPH SEPARATOR
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**Modifier letter**

10FC	Პ	MODIFIER LETTER GEORGIAN NAR ≈ <super> 10DC Პ
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	110	111	112	113	114	115	116	117	118	119	11A	11B	11C	11D	11E	11F
0	ㄱ 1100	ㅋ 1110	ㆁ 1120	ㄴ 1130	ㄷ 1140	ㄹ 1150	ㅁ 1160	ㅂ 1170	ㅃ 1180	ㅄ 1190	ㅅ 11A0	ㅇ 11B0	ㅈ 11C0	ㅊ 11D0	ㅌ 11E0	ㅎ 11F0
1	ㄱ 1101	ㅋ 1111	ㆁ 1121	ㄴ 1131	ㄷ 1141	ㄹ 1151	ㅁ 1161	ㅂ 1171	ㅃ 1181	ㅄ 1191	ㅅ 11A1	ㅇ 11B1	ㅈ 11C1	ㅊ 11D1	ㅌ 11E1	ㅎ 11F1
2	ㄴ 1102	ㅋ 1112	ㆁ 1122	ㄴ 1132	ㄷ 1142	ㄹ 1152	ㅁ 1162	ㅂ 1172	ㅃ 1182	ㅄ 1192	ㅅ 11A2	ㅇ 11B2	ㅈ 11C2	ㅊ 11D2	ㅌ 11E2	ㅎ 11F2
3	ㄷ 1103	ㅋ 1113	ㆁ 1123	ㄴ 1133	ㄷ 1143	ㄹ 1153	ㅁ 1163	ㅂ 1173	ㅃ 1183	ㅄ 1193	ㅅ 11A3	ㅇ 11B3	ㅈ 11C3	ㅊ 11D3	ㅌ 11E3	ㅎ 11F3
4	ㄷ 1104	ㅋ 1114	ㆁ 1124	ㄴ 1134	ㄷ 1144	ㄹ 1154	ㅁ 1164	ㅂ 1174	ㅃ 1184	ㅄ 1194	ㅅ 11A4	ㅇ 11B4	ㅈ 11C4	ㅊ 11D4	ㅌ 11E4	ㅎ 11F4
5	ㄹ 1105	ㅋ 1115	ㆁ 1125	ㄴ 1135	ㄷ 1145	ㄹ 1155	ㅁ 1165	ㅂ 1175	ㅃ 1185	ㅄ 1195	ㅅ 11A5	ㅇ 11B5	ㅈ 11C5	ㅊ 11D5	ㅌ 11E5	ㅎ 11F5
6	ㅁ 1106	ㅋ 1116	ㆁ 1126	ㄴ 1136	ㄷ 1146	ㄹ 1156	ㅁ 1166	ㅂ 1176	ㅃ 1186	ㅄ 1196	ㅅ 11A6	ㅇ 11B6	ㅈ 11C6	ㅊ 11D6	ㅌ 11E6	ㅎ 11F6
7	ㅂ 1107	ㅋ 1117	ㆁ 1127	ㄴ 1137	ㄷ 1147	ㄹ 1157	ㅁ 1167	ㅂ 1177	ㅃ 1187	ㅄ 1197	ㅅ 11A7	ㅇ 11B7	ㅈ 11C7	ㅊ 11D7	ㅌ 11E7	ㅎ 11F7
8	ㅃ 1108	ㅋ 1118	ㆁ 1128	ㄴ 1138	ㄷ 1148	ㄹ 1158	ㅁ 1168	ㅂ 1178	ㅃ 1188	ㅄ 1198	ㅅ 11A8	ㅇ 11B8	ㅈ 11C8	ㅊ 11D8	ㅌ 11E8	ㅎ 11F8
9	ㅄ 1109	ㅋ 1119	ㆁ 1129	ㄴ 1139	ㄷ 1149	ㄹ 1159	ㅁ 1169	ㅂ 1179	ㅃ 1189	ㅄ 1199	ㅅ 11A9	ㅇ 11B9	ㅈ 11C9	ㅊ 11D9	ㅌ 11E9	ㅎ 11F9
A	ㅅ 110A	ㅋ 111A	ㆁ 112A	ㄴ 113A	ㄷ 114A	ㄹ 115A	ㅁ 116A	ㅂ 117A	ㅃ 118A	ㅄ 119A	ㅅ 11AA	ㅇ 11BA	ㅈ 11CA	ㅊ 11DA	ㅌ 11EA	ㅎ 11FA
B	ㅇ 110B	ㅋ 111B	ㆁ 112B	ㄴ 113B	ㄷ 114B	ㄹ 115B	ㅁ 116B	ㅂ 117B	ㅃ 118B	ㅄ 119B	ㅅ 11AB	ㅇ 11BB	ㅈ 11CB	ㅊ 11DB	ㅌ 11EB	ㅎ 11FB
C	ㅈ 110C	ㅋ 111C	ㆁ 112C	ㄴ 113C	ㄷ 114C	ㄹ 115C	ㅁ 116C	ㅂ 117C	ㅃ 118C	ㅄ 119C	ㅅ 11AC	ㅇ 11BC	ㅈ 11CC	ㅊ 11DC	ㅌ 11EC	ㅎ 11FC
D	ㅊ 110D	ㅋ 111D	ㆁ 112D	ㄴ 113D	ㄷ 114D	ㄹ 115D	ㅁ 116D	ㅂ 117D	ㅃ 118D	ㅄ 119D	ㅅ 11AD	ㅇ 11BD	ㅈ 11CD	ㅊ 11DD	ㅌ 11ED	ㅎ 11FD
E	ㅌ 110E	ㅋ 111E	ㆁ 112E	ㄴ 113E	ㄷ 114E	ㄹ 115E	ㅁ 116E	ㅂ 117E	ㅃ 118E	ㅄ 119E	ㅅ 11AE	ㅇ 11BE	ㅈ 11CE	ㅊ 11DE	ㅌ 11EE	ㅎ 11FE
F	ㅎ 110F	ㅋ 111F	ㆁ 112F	ㄴ 113F	ㄷ 114F	ㄹ 115F	ㅁ 116F	ㅂ 117F	ㅃ 118F	ㅄ 119F	ㅅ 11AF	ㅇ 11BF	ㅈ 11CF	ㅊ 11DF	ㅌ 11EF	ㅎ 11FF



The aliases in this block represent the Jamo short names.

**Initial consonants**

1100	ㄱ	HANGUL CHOSEONG KIYEOK = G
1101	ㄲ	HANGUL CHOSEONG SSANGKIYEOK = GG
1102	ㄴ	HANGUL CHOSEONG NIEUN = N
1103	ㄷ	HANGUL CHOSEONG TIKEUT = D
1104	ㄸ	HANGUL CHOSEONG SSANGTIKEUT = DD
1105	ㄹ	HANGUL CHOSEONG RIEUL = R
1106	ㅁ	HANGUL CHOSEONG MIEUM = M
1107	ㅂ	HANGUL CHOSEONG PIEUP = B
1108	ㅃ	HANGUL CHOSEONG SSANGPIEUP = BB
1109	ㅅ	HANGUL CHOSEONG SIOS = S
110A	ㅆ	HANGUL CHOSEONG SSANGSIOS = SS
110B	ㅇ	HANGUL CHOSEONG IEUNG
110C	ㅈ	HANGUL CHOSEONG CIEUC = J
110D	ㅊ	HANGUL CHOSEONG SSANGCIEUC = JJ
110E	ㅊ	HANGUL CHOSEONG CHIEUCH = C
110F	ㅋ	HANGUL CHOSEONG KHIEUKH = K
1110	ㅌ	HANGUL CHOSEONG THIEUTH = T
1111	ㅍ	HANGUL CHOSEONG PHIEUPH = P
1112	ㅎ	HANGUL CHOSEONG HIEUH = H
1113	ㄴㅇ	HANGUL CHOSEONG NIEUN-KIYEOK
1114	ㄴㄴ	HANGUL CHOSEONG SSANGNIEUN
1115	ㄴㄷ	HANGUL CHOSEONG NIEUN-TIKEUT
1116	ㄴㅂ	HANGUL CHOSEONG NIEUN-PIEUP
1117	ㄴㅌ	HANGUL CHOSEONG TIKEUT-KIYEOK
1118	ㄴㄹ	HANGUL CHOSEONG RIEUL-NIEUN
1119	ㄴㄹ	HANGUL CHOSEONG SSANGRIEUL
111A	ㄴㅇ	HANGUL CHOSEONG RIEUL-HIEUH
111B	ㄴㅇ	HANGUL CHOSEONG KAPYEOUNRIEUL
111C	ㄴㅁ	HANGUL CHOSEONG MIEUM-PIEUP
111D	ㄴㅁ	HANGUL CHOSEONG KAPYEOUNMIEUM
111E	ㄴㅂ	HANGUL CHOSEONG PIEUP-KIYEOK
111F	ㄴㄴ	HANGUL CHOSEONG PIEUP-NIEUN
1120	ㄴㄷ	HANGUL CHOSEONG PIEUP-TIKEUT
1121	ㄴㅅ	HANGUL CHOSEONG PIEUP-SIOS
1122	ㄴㅆ	HANGUL CHOSEONG PIEUP-SIOS-KIYEOK
1123	ㄴㅆ	HANGUL CHOSEONG PIEUP-SIOS-TIKEUT
1124	ㄴㅆ	HANGUL CHOSEONG PIEUP-SIOS-PIEUP
1125	ㄴㅆ	HANGUL CHOSEONG PIEUP-SSANGSIOS
1126	ㄴㅆ	HANGUL CHOSEONG PIEUP-SIOS-CIEUC
1127	ㄴㅆ	HANGUL CHOSEONG PIEUP-CIEUC
1128	ㄴㅆ	HANGUL CHOSEONG PIEUP-CHIEUCH
1129	ㄴㅆ	HANGUL CHOSEONG PIEUP-THIEUTH

112A	ㅆㅆ	HANGUL CHOSEONG PIEUP-PHIEUPH
112B	ㅆㅇ	HANGUL CHOSEONG KAPYEOUNPIEUP
112C	ㅆㅆ	HANGUL CHOSEONG KAPYEOUNSSANGPIEUP
112D	ㅆㅅ	HANGUL CHOSEONG SIOS-KIYEOK
112E	ㅆㄴ	HANGUL CHOSEONG SIOS-NIEUN
112F	ㅆㄷ	HANGUL CHOSEONG SIOS-TIKEUT
1130	ㅆㄹ	HANGUL CHOSEONG SIOS-RIEUL
1131	ㅆㅁ	HANGUL CHOSEONG SIOS-MIEUM
1132	ㅆㅂ	HANGUL CHOSEONG SIOS-PIEUP
1133	ㅆㅃ	HANGUL CHOSEONG SIOS-PIEUP-KIYEOK
1134	ㅆㅆ	HANGUL CHOSEONG SIOS-SSANGSIOS
1135	ㅆㅇ	HANGUL CHOSEONG SIOS-IEUNG
1136	ㅆㅈ	HANGUL CHOSEONG SIOS-CIEUC
1137	ㅆㅊ	HANGUL CHOSEONG SIOS-CHIEUCH
1138	ㅆㅋ	HANGUL CHOSEONG SIOS-KHIEUKH
1139	ㅆㅌ	HANGUL CHOSEONG SIOS-THIEUTH
113A	ㅆㅍ	HANGUL CHOSEONG SIOS-PHIEUPH
113B	ㅆㅎ	HANGUL CHOSEONG SIOS-HIEUH
113C	ㅆㅇ	HANGUL CHOSEONG CHITUEUMSIOS
113D	ㅆㅆ	HANGUL CHOSEONG CHITUEUMSSANGSIOS
113E	ㅆㅇ	HANGUL CHOSEONG CEONGCHIEUMSIOS
113F	ㅆㅆ	HANGUL CHOSEONG CEONGCHIEUMSSANGSIOS
1140	ㅆ	HANGUL CHOSEONG PANSIOS
1141	ㅇㅆ	HANGUL CHOSEONG IEUNG-KIYEOK
1142	ㅇㅆ	HANGUL CHOSEONG IEUNG-TIKEUT
1143	ㅇㅆ	HANGUL CHOSEONG IEUNG-MIEUM
1144	ㅇㅆ	HANGUL CHOSEONG IEUNG-PIEUP
1145	ㅇㅆ	HANGUL CHOSEONG IEUNG-SIOS
1146	ㅇㅆ	HANGUL CHOSEONG IEUNG-PANSIOS
1147	ㅇㅇ	HANGUL CHOSEONG SSANGIEUNG
1148	ㅇㅆ	HANGUL CHOSEONG IEUNG-CIEUC
1149	ㅇㅆ	HANGUL CHOSEONG IEUNG-CHIEUCH
114A	ㅇㅆ	HANGUL CHOSEONG IEUNG-THIEUTH
114B	ㅇㅆ	HANGUL CHOSEONG IEUNG-PHIEUPH
114C	ㅇ	HANGUL CHOSEONG YESIEUNG
114D	ㅇㅆ	HANGUL CHOSEONG CIEUC-IEUNG
114E	ㅇㅆ	HANGUL CHOSEONG CHITUEUMCIEUC
114F	ㅇㅆ	HANGUL CHOSEONG CHITUEUMSSANGCIEUC
1150	ㅇㅆ	HANGUL CHOSEONG CEONGCHIEUMCIEUC
1151	ㅇㅆ	HANGUL CHOSEONG CEONGCHIEUMSSANGCIEUC
1152	ㅆㅆ	HANGUL CHOSEONG CHIEUCH-KHIEUKH
1153	ㅆㅎ	HANGUL CHOSEONG CHIEUCH-HIEUH
1154	ㅆㅆ	HANGUL CHOSEONG CHITUEUMCHIEUCH
1155	ㅆㅆ	HANGUL CHOSEONG CEONGCHIEUMCHIEUCH
1156	ㅆㅆ	HANGUL CHOSEONG PHIEUPH-PIEUP
1157	ㅆㅆ	HANGUL CHOSEONG KAPYEOUNPHIEUPH
1158	ㅆㅆ	HANGUL CHOSEONG SSANGHIEUH
1159	ㅆ	HANGUL CHOSEONG YEORINHIEUH
115A	ㅆㄷ	HANGUL CHOSEONG KIYEOK-TIKEUT
115B	ㅆㄴ	HANGUL CHOSEONG NIEUN-SIOS
115C	ㅆㄷ	HANGUL CHOSEONG NIEUN-CIEUC
115D	ㅆㅎ	HANGUL CHOSEONG NIEUN-HIEUH
115E	ㅆㄷ	HANGUL CHOSEONG TIKEUT-RIEUL
115F	ㅆㅆ	HANGUL CHOSEONG FILLER

**Medial vowels**

1160	ㅏ	HANGUL JUNGSEONG FILLER
1161	ㅑ	HANGUL JUNGSEONG A = A

1162 ㅐ HANGUL JUNGSEONG AE  
 = AE  
 1163 ㅑ HANGUL JUNGSEONG YA  
 = YA  
 1164 ㅓ HANGUL JUNGSEONG YAE  
 = YAE  
 1165 ㅕ HANGUL JUNGSEONG EO  
 = EO  
 1166 ㅓ HANGUL JUNGSEONG E  
 = E  
 1167 ㅛ HANGUL JUNGSEONG YEO  
 = YEO  
 1168 ㅕ HANGUL JUNGSEONG YE  
 = YE  
 1169 ㅗ HANGUL JUNGSEONG O  
 = O  
 116A ㅛ HANGUL JUNGSEONG WA  
 = WA  
 116B ㅛ HANGUL JUNGSEONG WAE  
 = WAE  
 116C ㅛ HANGUL JUNGSEONG OE  
 = OE  
 116D ㅛ HANGUL JUNGSEONG YO  
 = YO  
 116E ㅜ HANGUL JUNGSEONG U  
 = U  
 116F ㅜ HANGUL JUNGSEONG WEO  
 = WEO  
 1170 ㅜ HANGUL JUNGSEONG WE  
 = WE  
 1171 ㅜ HANGUL JUNGSEONG WI  
 = WI  
 1172 ㅠ HANGUL JUNGSEONG YU  
 = YU  
 1173 ㅡ HANGUL JUNGSEONG EU  
 = EU  
 1174 ㅟ HANGUL JUNGSEONG YI  
 = YI  
 1175 ㅣ HANGUL JUNGSEONG I  
 = I  
 1176 ㅏ HANGUL JUNGSEONG A-O  
 1177 ㅏ HANGUL JUNGSEONG A-U  
 1178 ㅑ HANGUL JUNGSEONG YA-O  
 1179 ㅑ HANGUL JUNGSEONG YA-YO  
 117A ㅓ HANGUL JUNGSEONG EO-O  
 117B ㅓ HANGUL JUNGSEONG EO-U  
 117C ㅕ HANGUL JUNGSEONG EO-EU  
 117D ㅕ HANGUL JUNGSEONG YEO-O  
 117E ㅕ HANGUL JUNGSEONG YEO-U  
 117F ㅛ HANGUL JUNGSEONG O-EO  
 1180 ㅛ HANGUL JUNGSEONG O-E  
 1181 ㅛ HANGUL JUNGSEONG O-YE  
 1182 ㅛ HANGUL JUNGSEONG O-O  
 1183 ㅛ HANGUL JUNGSEONG O-U  
 1184 ㅛ HANGUL JUNGSEONG YO-YA  
 1185 ㅛ HANGUL JUNGSEONG YO-YAE  
 1186 ㅛ HANGUL JUNGSEONG YO-YEO  
 1187 ㅛ HANGUL JUNGSEONG YO-O  
 1188 ㅛ HANGUL JUNGSEONG YO-I  
 1189 ㅛ HANGUL JUNGSEONG U-A  
 118A ㅛ HANGUL JUNGSEONG U-AE  
 118B ㅛ HANGUL JUNGSEONG U-EO-EU  
 118C ㅛ HANGUL JUNGSEONG U-YE

118D ㅜ HANGUL JUNGSEONG U-U  
 118E ㅠ HANGUL JUNGSEONG YU-A  
 118F ㅠ HANGUL JUNGSEONG YU-EO  
 1190 ㅠ HANGUL JUNGSEONG YU-E  
 1191 ㅠ HANGUL JUNGSEONG YU-YEO  
 1192 ㅠ HANGUL JUNGSEONG YU-YE  
 1193 ㅜ HANGUL JUNGSEONG YU-U  
 1194 ㅠ HANGUL JUNGSEONG YU-I  
 1195 ㅜ HANGUL JUNGSEONG EU-U  
 1196 ㅜ HANGUL JUNGSEONG EU-EU  
 1197 ㅟ HANGUL JUNGSEONG YI-U  
 1198 ㅓ HANGUL JUNGSEONG I-A  
 1199 ㅓ HANGUL JUNGSEONG I-YA  
 119A ㅓ HANGUL JUNGSEONG I-O  
 119B ㅓ HANGUL JUNGSEONG I-U  
 119C ㅓ HANGUL JUNGSEONG I-EU  
 119D ㅓ HANGUL JUNGSEONG I-ARAEA  
 119E ㅓ HANGUL JUNGSEONG ARAEA  
 119F ㅓ HANGUL JUNGSEONG ARAEA-EO  
 11A0 ㅓ HANGUL JUNGSEONG ARAEA-U  
 11A1 ㅓ HANGUL JUNGSEONG ARAEA-I  
 11A2 ㅓ HANGUL JUNGSEONG SSANGARAEA  
 11A3 ㅓ HANGUL JUNGSEONG A-EU  
 11A4 ㅓ HANGUL JUNGSEONG YA-U  
 11A5 ㅓ HANGUL JUNGSEONG YEO-YA  
 11A6 ㅓ HANGUL JUNGSEONG O-YA  
 11A7 ㅓ HANGUL JUNGSEONG O-YAE

**Final consonants**

11A8 ㄱ HANGUL JONGSEONG KIYEOK  
 = G  
 11A9 ㄲ HANGUL JONGSEONG SSANGKIYEOK  
 = GG  
 11AA ㅋ HANGUL JONGSEONG KIYEOK-SIOS  
 = GS  
 11AB ㄴ HANGUL JONGSEONG NIEUN  
 = N  
 11AC ㄴ HANGUL JONGSEONG NIEUN-CIEUC  
 = NJ  
 11AD ㄴ HANGUL JONGSEONG NIEUN-HIEUH  
 = NH  
 11AE ㄷ HANGUL JONGSEONG TIKIYOK  
 = D  
 11AF ㄹ HANGUL JONGSEONG RIEUL  
 = L  
 11B0 ㄹ HANGUL JONGSEONG RIEUL-KIYEOK  
 = LG  
 11B1 ㄹ HANGUL JONGSEONG RIEUL-MIEUM  
 = LM  
 11B2 ㄹ HANGUL JONGSEONG RIEUL-PIEUP  
 = LB  
 11B3 ㄹ HANGUL JONGSEONG RIEUL-SIOS  
 = LS  
 11B4 ㄹ HANGUL JONGSEONG RIEUL-THIEUTH  
 = LT  
 11B5 ㄹ HANGUL JONGSEONG RIEUL-PHIEUPH  
 = LP  
 11B6 ㄹ HANGUL JONGSEONG RIEUL-HIEUH  
 = LH  
 11B7 ㅁ HANGUL JONGSEONG MIEUM  
 = M  
 11B8 ㅂ HANGUL JONGSEONG PIEUP  
 = B

11B9 ㅂㅅ HANGUL JONGSEONG PIEUP-SIOS  
 = BS  
 11BA ㅅ HANGUL JONGSEONG SIOS  
 = S  
 11BB ㅅㅅ HANGUL JONGSEONG SSANGSIOS  
 = SS  
 11BC ㅇ HANGUL JONGSEONG IEUNG  
 = NG  
 11BD ㅈ HANGUL JONGSEONG CIEUC  
 = J  
 11BE ㅊ HANGUL JONGSEONG CHIEUCH  
 = C  
 11BF ㅋ HANGUL JONGSEONG KHIEUKH  
 = K  
 11C0 ㅌ HANGUL JONGSEONG THIEUTH  
 = T  
 11C1 ㅍ HANGUL JONGSEONG PHIEUPH  
 = P  
 11C2 ㅎ HANGUL JONGSEONG HIEUH  
 = H  
 11C3 ㅊㄹ HANGUL JONGSEONG KIYEOK-RIEUL  
 11C4 ㅊㅅ HANGUL JONGSEONG KIYEOK-SIOS-KIYEOK  
 11C5 ㄴㅅ HANGUL JONGSEONG NIEUN-KIYEOK  
 11C6 ㄴㅌ HANGUL JONGSEONG NIEUN-TIKEUT  
 11C7 ㄴㅅ HANGUL JONGSEONG NIEUN-SIOS  
 11C8 ㄴㅅ HANGUL JONGSEONG NIEUN-PANSIOS  
 11C9 ㄴㅌ HANGUL JONGSEONG NIEUN-THIEUTH  
 11CA ㅌㅅ HANGUL JONGSEONG TIKEUT-KIYEOK  
 11CB ㅌㄹ HANGUL JONGSEONG TIKEUT-RIEUL  
 11CC ㅌㅅㅅ HANGUL JONGSEONG RIEUL-KIYEOK-SIOS  
 11CD ㅌㄹ HANGUL JONGSEONG RIEUL-NIEUN  
 11CE ㅌㅌ HANGUL JONGSEONG RIEUL-TIKEUT  
 11CF ㅌㅌㅌ HANGUL JONGSEONG RIEUL-TIKEUT-HIEUH  
 11D0 ㅌㅌㅌ HANGUL JONGSEONG SSANGRIEUL  
 11D1 ㅌㅌㅌㅅ HANGUL JONGSEONG RIEUL-MIEUM-KIYEOK  
 11D2 ㅌㅌㅌㅅ HANGUL JONGSEONG RIEUL-MIEUM-SIOS  
 11D3 ㅌㅌㅌㅅㅅ HANGUL JONGSEONG RIEUL-PIEUP-SIOS  
 11D4 ㅌㅌㅌㅅㅅ HANGUL JONGSEONG RIEUL-PIEUP-HIEUH  
 11D5 ㅌㅌㅌㅅㅅ HANGUL JONGSEONG RIEUL-KAPYEOUNPIEUP  
 11D6 ㅌㅌㅌㅅㅅ HANGUL JONGSEONG RIEUL-SSANGSIOS  
 11D7 ㅌㅌㅌㅅㅅ HANGUL JONGSEONG RIEUL-PANSIOS  
 11D8 ㅌㅌㅌㅅ HANGUL JONGSEONG RIEUL-KHIEUKH  
 11D9 ㅌㅌㅌㅅ HANGUL JONGSEONG RIEUL-YEORINHIEUH  
 11DA ㅌㅌㅌㅅ HANGUL JONGSEONG MIEUM-KIYEOK  
 11DB ㅌㅌㅌㅅ HANGUL JONGSEONG MIEUM-RIEUL  
 11DC ㅌㅌㅌㅅ HANGUL JONGSEONG MIEUM-PIEUP  
 11DD ㅌㅌㅌㅅ HANGUL JONGSEONG MIEUM-SIOS  
 11DE ㅌㅌㅌㅅ HANGUL JONGSEONG MIEUM-SSANGSIOS  
 11DF ㅌㅌㅌㅅ HANGUL JONGSEONG MIEUM-PANSIOS  
 11E0 ㅌㅌㅌㅅ HANGUL JONGSEONG MIEUM-CHIEUCH  
 11E1 ㅌㅌㅌㅅ HANGUL JONGSEONG MIEUM-HIEUH  
 11E2 ㅌㅌㅌㅅ HANGUL JONGSEONG KAPYEOUNMIEUM  
 11E3 ㅌㅌㅌㅅ HANGUL JONGSEONG PIEUP-RIEUL  
 11E4 ㅌㅌㅌㅅ HANGUL JONGSEONG PIEUP-PHIEUPH  
 11E5 ㅌㅌㅌㅅ HANGUL JONGSEONG PIEUP-HIEUH  
 11E6 ㅌㅌㅌㅅ HANGUL JONGSEONG KAPYEOUNPIEUP  
 11E7 ㅌㅌㅌㅅ HANGUL JONGSEONG SIOS-KIYEOK  
 11E8 ㅌㅌㅌㅅ HANGUL JONGSEONG SIOS-TIKEUT  
 11E9 ㅌㅌㅌㅅ HANGUL JONGSEONG SIOS-RIEUL  
 11EA ㅌㅌㅌㅅ HANGUL JONGSEONG SIOS-PIEUP  
 11EB ㅌㅌㅌㅅ HANGUL JONGSEONG PANSIOS

11EC ㅇㅅ HANGUL JONGSEONG IEUNG-KIYEOK  
 = yesieung-kiyeok  
 11ED ㅇㅅㅅ HANGUL JONGSEONG IEUNG-SSANGKIYEOK  
 = yesieung-ssangkiyeok  
 11EE ㅇㅇ HANGUL JONGSEONG SSANGIEUNG  
 = ssangyesieung  
 11EF ㅇㅅ HANGUL JONGSEONG IEUNG-KHIEUKH  
 = yesieung-khieukh  
 11F0 ㅇ HANGUL JONGSEONG YESIEUNG  
 11F1 ㅇㅅ HANGUL JONGSEONG YESIEUNG-SIOS  
 11F2 ㅇㅅ HANGUL JONGSEONG YESIEUNG-PANSIOS  
 11F3 ㅅㅅ HANGUL JONGSEONG PHIEUPH-PIEUP  
 11F4 ㅅㅅ HANGUL JONGSEONG KAPYEOUNPHIEUPH  
 11F5 ㅅㅅ HANGUL JONGSEONG HIEUH-NIEUN  
 11F6 ㅅㅅ HANGUL JONGSEONG HIEUH-RIEUL  
 11F7 ㅅㅅ HANGUL JONGSEONG HIEUH-MIEUM  
 11F8 ㅅㅅ HANGUL JONGSEONG HIEUH-PIEUP  
 11F9 ㅅㅅ HANGUL JONGSEONG YEORINHIEUH  
 11FA ㅅㅅ HANGUL JONGSEONG KIYEOK-NIEUN  
 11FB ㅅㅅ HANGUL JONGSEONG KIYEOK-PIEUP  
 11FC ㅅㅅ HANGUL JONGSEONG KIYEOK-CHIEUCH  
 11FD ㅅㅅ HANGUL JONGSEONG KIYEOK-KHIEUKH  
 11FE ㅅㅅ HANGUL JONGSEONG KIYEOK-HIEUH  
 11FF ㅅㅅ HANGUL JONGSEONG SSANGNIEUN

	120	121	122	123	124	125	126	127	128	129	12A	12B
0	ሀ 1200	ሐ 1210	ሠ 1220	ሰ 1230	ቀ 1240	ቆ 1250	በ 1260	ተ 1270	ኀ 1280	ነ 1290	አ 12A0	ኰ 12B0
1	ሁ 1201	ሐ 1211	ሠ 1221	ሰ 1231	ቁ 1241	ቆ 1251	ቡ 1261	ቱ 1271	ኀ 1281	ኑ 1291	አ 12A1	
2	ሂ 1202	ሐ 1212	ሠ 1222	ሰ 1232	ቁ 1242	ቆ 1252	ቢ 1262	ቲ 1272	ኀ 1282	ኑ 1292	አ 12A2	ኰ 12B2
3	ሃ 1203	ሐ 1213	ሠ 1223	ሰ 1233	ቁ 1243	ቆ 1253	ባ 1263	ታ 1273	ኀ 1283	ና 1293	አ 12A3	ኳ 12B3
4	ሄ 1204	ሐ 1214	ሠ 1224	ሰ 1234	ቁ 1244	ቆ 1254	ቤ 1264	ቲ 1274	ኀ 1284	ኑ 1294	አ 12A4	ኳ 12B4
5	ሀ 1205	ሐ 1215	ሠ 1225	ሰ 1235	ቀ 1245	ቆ 1255	ብ 1265	ተ 1275	ኀ 1285	ን 1295	አ 12A5	ኰ 12B5
6	ሀ 1206	ሐ 1216	ሠ 1226	ሰ 1236	ቀ 1246	ቆ 1256	ቦ 1266	ተ 1276	ኀ 1286	ኖ 1296	አ 12A6	
7	ሀ 1207	ሐ 1217	ሠ 1227	ሰ 1237	ቀ 1247		ቦ 1267	ተ 1277	ኀ 1287	ና 1297	አ 12A7	
8	ለ 1208	መ 1218	ረ 1228	ሸ 1238	ቈ 1248	ቆ 1258	ሸ 1268	ቸ 1278	ኰ 1288	ኘ 1298	ከ 12A8	ኸ 12B8
9	ሉ 1209	መ 1219	ሩ 1229	ሸ 1239			ሸ 1269	ቸ 1279		ኘ 1299	ከ 12A9	ኸ 12B9
A	ሊ 120A	ሚ 121A	ሪ 122A	ሸ 123A	ቀ 124A	ቆ 125A	ሸ 126A	ቸ 127A	ኰ 128A	ኘ 129A	ከ 12AA	ኸ 12BA
B	ላ 120B	ማ 121B	ሪ 122B	ሸ 123B	ቀ 124B	ቆ 125B	ሸ 126B	ቸ 127B	ኰ 128B	ኘ 129B	ከ 12AB	ኸ 12BB
C	ሌ 120C	ሚ 121C	ሪ 122C	ሸ 123C	ቀ 124C	ቆ 125C	ሸ 126C	ቸ 127C	ኰ 128C	ኘ 129C	ከ 12AC	ኸ 12BC
D	ል 120D	ም 121D	ር 122D	ሸ 123D	ቀ 124D	ቆ 125D	ሸ 126D	ቸ 127D	ኰ 128D	ኘ 129D	ከ 12AD	ኸ 12BD
E	ሎ 120E	ም 121E	ሮ 122E	ሸ 123E			ሸ 126E	ቸ 127E		ኘ 129E	ከ 12AE	ኸ 12BE
F	ሊ 120F	ሚ 121F	ሪ 122F	ሸ 123F			ሸ 126F	ቸ 127F		ኘ 129F	ከ 12AF	

	12C	12D	12E	12F	130	131	132	133	134	135	136	137
0	ሹ 12C0	ዐ 12D0	ዠ 12E0	ደ 12F0	ጀ 1300	ጐ 1310	ጠ 1320	ጳ 1330	ፀ 1340	ፐ 1350	፳ 1360	፷ 1370
1		ዑ 12D1	ዡ 12E1	ዱ 12F1	ጀ 1301		ጡ 1321	ጴ 1331	ፁ 1341	ፑ 1351	፴ 1361	፸ 1371
2	ሹ 12C2	ዒ 12D2	ዢ 12E2	ዲ 12F2	ጁ 1302	጑ 1312	ጢ 1322	ጵ 1332	ፊ 1342	ፒ 1352	፵ 1362	፹ 1372
3	ሺ 12C3	ዓ 12D3	ዣ 12E3	ዳ 12F3	ጂ 1303	ጒ 1313	ጣ 1323	ጶ 1333	ፋ 1343	ፓ 1353	፶ 1363	፺ 1373
4	ሻ 12C4	ዒ 12D4	ዤ 12E4	ዴ 12F4	ጃ 1304	ጓ 1314	ጤ 1324	ጷ 1334	ፈ 1344	ፔ 1354	፷ 1364	፻ 1374
5	ሼ 12C5	ዕ 12D5	ዥ 12E5	ድ 12F5	ጄ 1305	ጔ 1315	ጥ 1325	ጸ 1335	ፎ 1345	ፕ 1355	፸ 1365	፻ 1375
6		ዖ 12D6	ዦ 12E6	ዶ 12F6	ጅ 1306		ጦ 1326	ጹ 1336	ፎ 1346	ፖ 1356	፹ 1366	፺ 1376
7			ዧ 12E7	ዷ 12F7	ጆ 1307		ጧ 1327	ጺ 1337	ፈ 1347	ፖ 1357	፻ 1367	፻ 1377
8	ወ 12C8	ዘ 12D8	ዩ 12E8	ዸ 12F8	ገ 1308	ጕ 1318	ጨ 1328	ጻ 1338	ፈ 1348	ፑ 1358	፻ 1368	፻ 1378
9	ዉ 12C9	ዛ 12D9	ዮ 12E9	ዹ 12F9	ገ 1309	጖ 1319	ጩ 1329	ጼ 1339	ፈ 1349	ፑ 1359	፻ 1369	፻ 1379
A	ደ 12CA	ዚ 12DA	ደ 12EA	ደ 12FA	ገ 130A	጖ 131A	ጩ 132A	ጻ 133A	ፈ 134A	ፑ 135A	፻ 136A	፻ 137A
B	ደ 12CB	ዛ 12DB	ዮ 12EB	ዹ 12FB	ገ 130B	጖ 131B	ጩ 132B	ጻ 133B	ፈ 134B		፻ 136B	፻ 137B
C	ደ 12CC	ዚ 12DC	ደ 12EC	ደ 12FC	ገ 130C	጖ 131C	ጩ 132C	ጻ 133C	ፈ 134C		፻ 136C	፻ 137C
D	ወ 12CD	ዘ 12DD	ዩ 12ED	ዸ 12FD	ገ 130D	ጕ 131D	ጨ 132D	ጻ 133D	ፈ 134D		፻ 136D	
E	ደ 12CE	ዛ 12DE	ዮ 12EE	ዹ 12FE	ገ 130E	጖ 131E	ጩ 132E	ጻ 133E	ፈ 134E		፻ 136E	
F	ደ 12CF	ዚ 12DF	ደ 12EF	ደ 12FF	ገ 130F	጖ 131F	ጩ 132F	ጻ 133F	ፈ 134F	፻ 135F	፻ 136F	

**Syllables**

1200	ሀ	ETHIOPIC SYLLABLE HA	123C	ሸ	ETHIOPIC SYLLABLE SHEE
1201	ሁ	ETHIOPIC SYLLABLE HU	123D	ሸ	ETHIOPIC SYLLABLE SHE
1202	ሂ	ETHIOPIC SYLLABLE HI	123E	ሸ	ETHIOPIC SYLLABLE SHO
1203	ሃ	ETHIOPIC SYLLABLE HAA	123F	ሸ	ETHIOPIC SYLLABLE SHWA
1204	ሄ	ETHIOPIC SYLLABLE HEE	1240	ቀ	ETHIOPIC SYLLABLE QA
1205	ህ	ETHIOPIC SYLLABLE HE	1241	ቁ	ETHIOPIC SYLLABLE QU
1206	ሆ	ETHIOPIC SYLLABLE HO	1242	ቂ	ETHIOPIC SYLLABLE QI
1207	ሐ	ETHIOPIC SYLLABLE HOA	1243	ቃ	ETHIOPIC SYLLABLE QAA
1208	ለ	ETHIOPIC SYLLABLE LA	1244	ቄ	ETHIOPIC SYLLABLE QEE
1209	ሉ	ETHIOPIC SYLLABLE LU	1245	ቅ	ETHIOPIC SYLLABLE QE
120A	ሊ	ETHIOPIC SYLLABLE LI	1246	ቆ	ETHIOPIC SYLLABLE QO
120B	ላ	ETHIOPIC SYLLABLE LAA	1247	ቇ	ETHIOPIC SYLLABLE QOA
120C	ሌ	ETHIOPIC SYLLABLE LEE	1248	ቈ	ETHIOPIC SYLLABLE QWA
120D	ል	ETHIOPIC SYLLABLE LE	1249	☒	<reserved>
120E	ሎ	ETHIOPIC SYLLABLE LO	124A	቉	ETHIOPIC SYLLABLE QWI
120F	ሏ	ETHIOPIC SYLLABLE LWA	124B	ቊ	ETHIOPIC SYLLABLE QWAA
1210	ሐ	ETHIOPIC SYLLABLE HHA	124C	ቋ	ETHIOPIC SYLLABLE QWEE
1211	ሐ	ETHIOPIC SYLLABLE HHU	124D	ቋ	ETHIOPIC SYLLABLE QWE
1212	ሐ	ETHIOPIC SYLLABLE HHI	124E	☒	<reserved>
1213	ሐ	ETHIOPIC SYLLABLE HHAA	124F	☒	<reserved>
1214	ሐ	ETHIOPIC SYLLABLE HHEE	1250	ቋ	ETHIOPIC SYLLABLE QHA
1215	ሐ	ETHIOPIC SYLLABLE HHE	1251	ቋ	ETHIOPIC SYLLABLE QHU
1216	ሐ	ETHIOPIC SYLLABLE HHO	1252	ቋ	ETHIOPIC SYLLABLE QHI
1217	ሐ	ETHIOPIC SYLLABLE HHWA	1253	ቋ	ETHIOPIC SYLLABLE QHAA
1218	መ	ETHIOPIC SYLLABLE MA	1254	ቋ	ETHIOPIC SYLLABLE QHEE
1219	ሙ	ETHIOPIC SYLLABLE MU	1255	ቋ	ETHIOPIC SYLLABLE QHE
121A	ማ	ETHIOPIC SYLLABLE MI	1256	ቋ	ETHIOPIC SYLLABLE QHO
121B	ማ	ETHIOPIC SYLLABLE MAA	1257	☒	<reserved>
121C	ሜ	ETHIOPIC SYLLABLE MEE	1258	ቋ	ETHIOPIC SYLLABLE QHWA
121D	ም	ETHIOPIC SYLLABLE ME	1259	☒	<reserved>
121E	ሞ	ETHIOPIC SYLLABLE MO	125A	ቋ	ETHIOPIC SYLLABLE QHWI
121F	ማ	ETHIOPIC SYLLABLE MWA	125B	ቋ	ETHIOPIC SYLLABLE QHWAA
1220	ሠ	ETHIOPIC SYLLABLE SZA	125C	ቋ	ETHIOPIC SYLLABLE QHWEE
1221	ሠ	ETHIOPIC SYLLABLE SZU	125D	ቋ	ETHIOPIC SYLLABLE QHWE
1222	ሠ	ETHIOPIC SYLLABLE SZI	125E	☒	<reserved>
1223	ሠ	ETHIOPIC SYLLABLE SZAA	125F	☒	<reserved>
1224	ሠ	ETHIOPIC SYLLABLE SZEE	1260	በ	ETHIOPIC SYLLABLE BA
1225	ሠ	ETHIOPIC SYLLABLE SZE	1261	በ	ETHIOPIC SYLLABLE BU
1226	ሠ	ETHIOPIC SYLLABLE SZO	1262	በ	ETHIOPIC SYLLABLE BI
1227	ሠ	ETHIOPIC SYLLABLE SZWA	1263	በ	ETHIOPIC SYLLABLE BAA
1228	ረ	ETHIOPIC SYLLABLE RA	1264	በ	ETHIOPIC SYLLABLE BEE
1229	ሩ	ETHIOPIC SYLLABLE RU	1265	በ	ETHIOPIC SYLLABLE BE
122A	ሪ	ETHIOPIC SYLLABLE RI	1266	በ	ETHIOPIC SYLLABLE BO
122B	ሪ	ETHIOPIC SYLLABLE RAA	1267	በ	ETHIOPIC SYLLABLE BWA
122C	ሪ	ETHIOPIC SYLLABLE REE	1268	በ	ETHIOPIC SYLLABLE VA
122D	ሪ	ETHIOPIC SYLLABLE RE	1269	በ	ETHIOPIC SYLLABLE VU
122E	ሪ	ETHIOPIC SYLLABLE RO	126A	በ	ETHIOPIC SYLLABLE VI
122F	ሪ	ETHIOPIC SYLLABLE RWA	126B	በ	ETHIOPIC SYLLABLE VAA
1230	ሰ	ETHIOPIC SYLLABLE SA	126C	በ	ETHIOPIC SYLLABLE VEE
1231	ሰ	ETHIOPIC SYLLABLE SU	126D	በ	ETHIOPIC SYLLABLE VE
1232	ሰ	ETHIOPIC SYLLABLE SI	126E	በ	ETHIOPIC SYLLABLE VO
1233	ሰ	ETHIOPIC SYLLABLE SAA	126F	በ	ETHIOPIC SYLLABLE VWA
1234	ሰ	ETHIOPIC SYLLABLE SEE	1270	ተ	ETHIOPIC SYLLABLE TA
1235	ሰ	ETHIOPIC SYLLABLE SE	1271	ተ	ETHIOPIC SYLLABLE TU
1236	ሰ	ETHIOPIC SYLLABLE SO	1272	ተ	ETHIOPIC SYLLABLE TI
1237	ሰ	ETHIOPIC SYLLABLE SWA	1273	ተ	ETHIOPIC SYLLABLE TAA
1238	ሸ	ETHIOPIC SYLLABLE SHA	1274	ተ	ETHIOPIC SYLLABLE TEE
1239	ሸ	ETHIOPIC SYLLABLE SHU	1275	ተ	ETHIOPIC SYLLABLE TE
123A	ሸ	ETHIOPIC SYLLABLE SHI	1276	ተ	ETHIOPIC SYLLABLE TO
123B	ሸ	ETHIOPIC SYLLABLE SHAA	1277	ተ	ETHIOPIC SYLLABLE TWA
			1278	ተ	ETHIOPIC SYLLABLE CA

1279	ቸ	ETHIOPIC SYLLABLE CU	12B6	፳	<reserved>
127A	ቸ	ETHIOPIC SYLLABLE CI	12B7	፳	<reserved>
127B	ቸ	ETHIOPIC SYLLABLE CAA	12B8	ኸ	ETHIOPIC SYLLABLE KXA
127C	ቸ	ETHIOPIC SYLLABLE CEE	12B9	ኸ	ETHIOPIC SYLLABLE KXU
127D	ቸ	ETHIOPIC SYLLABLE CE	12BA	ኸ	ETHIOPIC SYLLABLE KXI
127E	ቸ	ETHIOPIC SYLLABLE CO	12BB	ኸ	ETHIOPIC SYLLABLE KXAA
127F	ቸ	ETHIOPIC SYLLABLE CWA	12BC	ኸ	ETHIOPIC SYLLABLE KXEE
1280	ኸ	ETHIOPIC SYLLABLE XA	12BD	ኸ	ETHIOPIC SYLLABLE KXE
1281	ኸ	ETHIOPIC SYLLABLE XU	12BE	ኸ	ETHIOPIC SYLLABLE KXO
1282	ኸ	ETHIOPIC SYLLABLE XI	12BF	፳	<reserved>
1283	ኸ	ETHIOPIC SYLLABLE XAA	12C0	ኸ	ETHIOPIC SYLLABLE KXWA
1284	ኸ	ETHIOPIC SYLLABLE XEE	12C1	፳	<reserved>
1285	ኸ	ETHIOPIC SYLLABLE XE	12C2	ኸ	ETHIOPIC SYLLABLE KXWI
1286	ኸ	ETHIOPIC SYLLABLE XO	12C3	ኸ	ETHIOPIC SYLLABLE KXWAA
1287	ኸ	ETHIOPIC SYLLABLE XOA	12C4	ኸ	ETHIOPIC SYLLABLE KXWEE
1288	ኸ	ETHIOPIC SYLLABLE XWA	12C5	ኸ	ETHIOPIC SYLLABLE KXWE
1289	፳	<reserved>	12C6	፳	<reserved>
128A	ኸ	ETHIOPIC SYLLABLE XWI	12C7	፳	<reserved>
128B	ኸ	ETHIOPIC SYLLABLE XWAA	12C8	ወ	ETHIOPIC SYLLABLE WA
128C	ኸ	ETHIOPIC SYLLABLE XWEE	12C9	ወ	ETHIOPIC SYLLABLE WU
128D	ኸ	ETHIOPIC SYLLABLE XWE	12CA	ወ	ETHIOPIC SYLLABLE WI
128E	፳	<reserved>	12CB	ወ	ETHIOPIC SYLLABLE WAA
128F	፳	<reserved>	12CC	ወ	ETHIOPIC SYLLABLE WEE
1290	ኸ	ETHIOPIC SYLLABLE NA	12CD	ወ	ETHIOPIC SYLLABLE WE
1291	ኸ	ETHIOPIC SYLLABLE NU	12CE	ወ	ETHIOPIC SYLLABLE WO
1292	ኸ	ETHIOPIC SYLLABLE NI	12CF	ወ	ETHIOPIC SYLLABLE WOA
1293	ኸ	ETHIOPIC SYLLABLE NAA	12D0	ወ	ETHIOPIC SYLLABLE PHARYNGEAL A
1294	ኸ	ETHIOPIC SYLLABLE NEE	12D1	ወ	ETHIOPIC SYLLABLE PHARYNGEAL U
1295	ኸ	ETHIOPIC SYLLABLE NE	12D2	ወ	ETHIOPIC SYLLABLE PHARYNGEAL I
1296	ኸ	ETHIOPIC SYLLABLE NO	12D3	ወ	ETHIOPIC SYLLABLE PHARYNGEAL AA
1297	ኸ	ETHIOPIC SYLLABLE NWA	12D4	ወ	ETHIOPIC SYLLABLE PHARYNGEAL EE
1298	ኸ	ETHIOPIC SYLLABLE NYA	12D5	ወ	ETHIOPIC SYLLABLE PHARYNGEAL E
1299	ኸ	ETHIOPIC SYLLABLE NYU	12D6	ወ	ETHIOPIC SYLLABLE PHARYNGEAL O
129A	ኸ	ETHIOPIC SYLLABLE NYI	12D7	፳	<reserved>
129B	ኸ	ETHIOPIC SYLLABLE NYAA	12D8	ወ	ETHIOPIC SYLLABLE ZA
129C	ኸ	ETHIOPIC SYLLABLE NYEE	12D9	ወ	ETHIOPIC SYLLABLE ZU
129D	ኸ	ETHIOPIC SYLLABLE NYE	12DA	ወ	ETHIOPIC SYLLABLE ZI
129E	ኸ	ETHIOPIC SYLLABLE NYO	12DB	ወ	ETHIOPIC SYLLABLE ZAA
129F	ኸ	ETHIOPIC SYLLABLE NYWA	12DC	ወ	ETHIOPIC SYLLABLE ZEE
12A0	ኸ	ETHIOPIC SYLLABLE GLOTTAL A	12DD	ወ	ETHIOPIC SYLLABLE ZE
12A1	ኸ	ETHIOPIC SYLLABLE GLOTTAL U	12DE	ወ	ETHIOPIC SYLLABLE ZO
12A2	ኸ	ETHIOPIC SYLLABLE GLOTTAL I	12DF	ወ	ETHIOPIC SYLLABLE ZWA
12A3	ኸ	ETHIOPIC SYLLABLE GLOTTAL AA	12E0	ወ	ETHIOPIC SYLLABLE ZHA
12A4	ኸ	ETHIOPIC SYLLABLE GLOTTAL EE	12E1	ወ	ETHIOPIC SYLLABLE ZHU
12A5	ኸ	ETHIOPIC SYLLABLE GLOTTAL E	12E2	ወ	ETHIOPIC SYLLABLE ZHI
12A6	ኸ	ETHIOPIC SYLLABLE GLOTTAL O	12E3	ወ	ETHIOPIC SYLLABLE ZHAA
12A7	ኸ	ETHIOPIC SYLLABLE GLOTTAL WA	12E4	ወ	ETHIOPIC SYLLABLE ZHEE
12A8	ኸ	ETHIOPIC SYLLABLE KA	12E5	ወ	ETHIOPIC SYLLABLE ZHE
12A9	ኸ	ETHIOPIC SYLLABLE KU	12E6	ወ	ETHIOPIC SYLLABLE ZHO
12AA	ኸ	ETHIOPIC SYLLABLE KI	12E7	ወ	ETHIOPIC SYLLABLE ZHWA
12AB	ኸ	ETHIOPIC SYLLABLE KAA	12E8	ወ	ETHIOPIC SYLLABLE YA
12AC	ኸ	ETHIOPIC SYLLABLE KEE	12E9	ወ	ETHIOPIC SYLLABLE YU
12AD	ኸ	ETHIOPIC SYLLABLE KE	12EA	ወ	ETHIOPIC SYLLABLE YI
12AE	ኸ	ETHIOPIC SYLLABLE KO	12EB	ወ	ETHIOPIC SYLLABLE YAA
12AF	ኸ	ETHIOPIC SYLLABLE KOA	12EC	ወ	ETHIOPIC SYLLABLE YEE
12B0	ኸ	ETHIOPIC SYLLABLE KWA	12ED	ወ	ETHIOPIC SYLLABLE YE
12B1	፳	<reserved>	12EE	ወ	ETHIOPIC SYLLABLE YO
12B2	ኸ	ETHIOPIC SYLLABLE KWI	12EF	ወ	ETHIOPIC SYLLABLE YOA
12B3	ኸ	ETHIOPIC SYLLABLE KWAA	12F0	ወ	ETHIOPIC SYLLABLE DA
12B4	ኸ	ETHIOPIC SYLLABLE KWEE	12F1	ወ	ETHIOPIC SYLLABLE DU
12B5	ኸ	ETHIOPIC SYLLABLE KWE	12F2	ወ	ETHIOPIC SYLLABLE DI

12F3	ዳ	ETHIOPIC SYLLABLE DAA
12F4	ደ	ETHIOPIC SYLLABLE DEE
12F5	ድ	ETHIOPIC SYLLABLE DE
12F6	ዶ	ETHIOPIC SYLLABLE DO
12F7	ደጋ	ETHIOPIC SYLLABLE DWA
12F8	ደደ	ETHIOPIC SYLLABLE DDA
12F9	ደድ	ETHIOPIC SYLLABLE DDU
12FA	ደደ	ETHIOPIC SYLLABLE DDI
12FB	ደደ	ETHIOPIC SYLLABLE DDAA
12FC	ደጋ	ETHIOPIC SYLLABLE DDEE
12FD	ደድ	ETHIOPIC SYLLABLE DDE
12FE	ደዶ	ETHIOPIC SYLLABLE DDO
12FF	ደደጋ	ETHIOPIC SYLLABLE DDWA
1300	ገ	ETHIOPIC SYLLABLE JA
1301	ገጋ	ETHIOPIC SYLLABLE JU
1302	ገደ	ETHIOPIC SYLLABLE JI
1303	ገደ	ETHIOPIC SYLLABLE JAA
1304	ገደ	ETHIOPIC SYLLABLE JEE
1305	ገድ	ETHIOPIC SYLLABLE JE
1306	ገደ	ETHIOPIC SYLLABLE JO
1307	ገደጋ	ETHIOPIC SYLLABLE JWA
1308	ገ	ETHIOPIC SYLLABLE GA
1309	ገጋ	ETHIOPIC SYLLABLE GU
130A	ገጋ	ETHIOPIC SYLLABLE GI
130B	ገጋ	ETHIOPIC SYLLABLE GAA
130C	ገጋ	ETHIOPIC SYLLABLE GEE
130D	ገጋ	ETHIOPIC SYLLABLE GE
130E	ገጋ	ETHIOPIC SYLLABLE GO
130F	ገጋ	ETHIOPIC SYLLABLE GOA
1310	ገጋ	ETHIOPIC SYLLABLE GWA
1311	␣	<reserved>
1312	ገጋ	ETHIOPIC SYLLABLE GWI
1313	ገጋ	ETHIOPIC SYLLABLE GWAA
1314	ገጋ	ETHIOPIC SYLLABLE GWEE
1315	ገጋ	ETHIOPIC SYLLABLE GWE
1316	␣	<reserved>
1317	␣	<reserved>
1318	ገጋ	ETHIOPIC SYLLABLE GGA
1319	ገጋ	ETHIOPIC SYLLABLE GGU
131A	ገጋ	ETHIOPIC SYLLABLE GGI
131B	ገጋ	ETHIOPIC SYLLABLE GGAA
131C	ገጋ	ETHIOPIC SYLLABLE GGEE
131D	ገጋ	ETHIOPIC SYLLABLE GGE
131E	ገጋ	ETHIOPIC SYLLABLE GGO
131F	ገጋ	ETHIOPIC SYLLABLE GGWAA
1320	ጠ	ETHIOPIC SYLLABLE THA
1321	ጠ	ETHIOPIC SYLLABLE THU
1322	ጠ	ETHIOPIC SYLLABLE THI
1323	ጠ	ETHIOPIC SYLLABLE THAA
1324	ጠ	ETHIOPIC SYLLABLE THEE
1325	ጠ	ETHIOPIC SYLLABLE THE
1326	ጠ	ETHIOPIC SYLLABLE THO
1327	ጠ	ETHIOPIC SYLLABLE THWA
1328	ጠ	ETHIOPIC SYLLABLE CHA
1329	ጠ	ETHIOPIC SYLLABLE CHU
132A	ጠ	ETHIOPIC SYLLABLE CHI
132B	ጠ	ETHIOPIC SYLLABLE CHAA
132C	ጠ	ETHIOPIC SYLLABLE CHEE
132D	ጠ	ETHIOPIC SYLLABLE CHE
132E	ጠ	ETHIOPIC SYLLABLE CHO
132F	ጠ	ETHIOPIC SYLLABLE CHWA

1330	ጸ	ETHIOPIC SYLLABLE PHA
1331	ጸ	ETHIOPIC SYLLABLE PHU
1332	ጸ	ETHIOPIC SYLLABLE PHI
1333	ጸ	ETHIOPIC SYLLABLE PHAA
1334	ጸ	ETHIOPIC SYLLABLE PHEE
1335	ጸ	ETHIOPIC SYLLABLE PHE
1336	ጸ	ETHIOPIC SYLLABLE PHO
1337	ጸ	ETHIOPIC SYLLABLE PHWA
1338	ጸ	ETHIOPIC SYLLABLE TSA
1339	ጸ	ETHIOPIC SYLLABLE TSU
133A	ጸ	ETHIOPIC SYLLABLE TSI
133B	ጸ	ETHIOPIC SYLLABLE TSAA
133C	ጸ	ETHIOPIC SYLLABLE TSEE
133D	ጸ	ETHIOPIC SYLLABLE TSE
133E	ጸ	ETHIOPIC SYLLABLE TSO
133F	ጸ	ETHIOPIC SYLLABLE TSWA
1340	ፀ	ETHIOPIC SYLLABLE TZA
1341	ፀ	ETHIOPIC SYLLABLE TZU
1342	ፀ	ETHIOPIC SYLLABLE TZI
1343	ፀ	ETHIOPIC SYLLABLE TZAA
1344	ፀ	ETHIOPIC SYLLABLE TZEE
1345	ፀ	ETHIOPIC SYLLABLE TZE
1346	ፀ	ETHIOPIC SYLLABLE TZO
1347	ፀ	ETHIOPIC SYLLABLE TZOA
1348	ፈ	ETHIOPIC SYLLABLE FA
1349	ፈ	ETHIOPIC SYLLABLE FU
134A	ፈ	ETHIOPIC SYLLABLE FI
134B	ፈ	ETHIOPIC SYLLABLE FAA
134C	ፈ	ETHIOPIC SYLLABLE FEE
134D	ፈ	ETHIOPIC SYLLABLE FE
134E	ፈ	ETHIOPIC SYLLABLE FO
134F	ፈ	ETHIOPIC SYLLABLE FWA
1350	ፐ	ETHIOPIC SYLLABLE PA
1351	ፐ	ETHIOPIC SYLLABLE PU
1352	ፐ	ETHIOPIC SYLLABLE PI
1353	ፐ	ETHIOPIC SYLLABLE PAA
1354	ፐ	ETHIOPIC SYLLABLE PEE
1355	ፐ	ETHIOPIC SYLLABLE PE
1356	ፐ	ETHIOPIC SYLLABLE PO
1357	ፐ	ETHIOPIC SYLLABLE PWA
1358	ፐ	ETHIOPIC SYLLABLE RYA
1359	ፐ	ETHIOPIC SYLLABLE MYA
135A	ፐ	ETHIOPIC SYLLABLE FYA

**Combining mark**

135F ፐ ETHIOPIC COMBINING GEMINATION MARK

**Punctuation**

1360	*	ETHIOPIC SECTION MARK
1361	:	ETHIOPIC WORDSPACE
1362	#	ETHIOPIC FULL STOP
1363	,	ETHIOPIC COMMA
1364	;	ETHIOPIC SEMICOLON
1365	:	ETHIOPIC COLON
1366	:	ETHIOPIC PREFACE COLON
1367	?	ETHIOPIC QUESTION MARK
1368	∴	ETHIOPIC PARAGRAPH SEPARATOR

**Digits**

1369	፩	ETHIOPIC DIGIT ONE
136A	፪	ETHIOPIC DIGIT TWO
136B	፫	ETHIOPIC DIGIT THREE
136C	፬	ETHIOPIC DIGIT FOUR



136D	፩	ETHIOPIC DIGIT FIVE
136E	፪	ETHIOPIC DIGIT SIX
136F	፫	ETHIOPIC DIGIT SEVEN
1370	፬	ETHIOPIC DIGIT EIGHT
1371	፭	ETHIOPIC DIGIT NINE

**Numbers**

1372	፮	ETHIOPIC NUMBER TEN
1373	፯	ETHIOPIC NUMBER TWENTY
1374	፰	ETHIOPIC NUMBER THIRTY
1375	፱	ETHIOPIC NUMBER FORTY
1376	፺	ETHIOPIC NUMBER FIFTY
1377	፻	ETHIOPIC NUMBER SIXTY
1378	፼	ETHIOPIC NUMBER SEVENTY
1379	፽	ETHIOPIC NUMBER EIGHTY
137A	፿	ETHIOPIC NUMBER NINETY
137B	፻	ETHIOPIC NUMBER HUNDRED
137C	፷፱	ETHIOPIC NUMBER TEN THOUSAND

	138	139
0	ሙ 1380	ህ 1390
1	ማላ 1381	ህ 1391
2	ማጌ 1382	፥ 1392
3	ምሙ 1383	፣ 1393
4	ቡሙ 1384	ህ 1394
5	ቡላ 1385	ህ 1395
6	ቡጌ 1386	ህ 1396
7	ቡሙ 1387	— 1397
8	ፈሙ 1388	ህ 1398
9	ፈላ 1389	ተ 1399
A	ፉሙ 138A	
B	ፉላ 138B	
C	ፑሙ 138C	
D	ፑላ 138D	
E	ፑላ 138E	
F	ፑላ 138F	

**Syllables for Sebatbeit**

- 1380 ሙ ETHIOPIC SYLLABLE SEBATBEIT MWA
- 1381 ማላ ETHIOPIC SYLLABLE MWI
- 1382 ማጌ ETHIOPIC SYLLABLE MWEE
- 1383 ምሙ ETHIOPIC SYLLABLE MWE
- 1384 ቡሙ ETHIOPIC SYLLABLE SEBATBEIT BWA
- 1385 ቡላ ETHIOPIC SYLLABLE BWI
- 1386 ቡጌ ETHIOPIC SYLLABLE BWEE
- 1387 ቡሙ ETHIOPIC SYLLABLE BWE
- 1388 ፈሙ ETHIOPIC SYLLABLE SEBATBEIT FWA
- 1389 ፈላ ETHIOPIC SYLLABLE FWI
- 138A ፉሙ ETHIOPIC SYLLABLE FWEE
- 138B ፉላ ETHIOPIC SYLLABLE FWE
- 138C ፑሙ ETHIOPIC SYLLABLE SEBATBEIT PWA
- 138D ፑላ ETHIOPIC SYLLABLE PWI
- 138E ፑላ ETHIOPIC SYLLABLE PWEE
- 138F ፑላ ETHIOPIC SYLLABLE PWE

**Tonal marks**

*Intended for use with a multiline scored layout*

- 1390 ፡ ETHIOPIC TONAL MARK YIZET
- 1391 ፡ ETHIOPIC TONAL MARK DERET
- 1392 ፥ ETHIOPIC TONAL MARK RIKRIK
- 1393 ፣ ETHIOPIC TONAL MARK SHORT RIKRIK
- 1394 ፡ ETHIOPIC TONAL MARK DIFAT
- 1395 ፡ ETHIOPIC TONAL MARK KENAT
- 1396 ፡ ETHIOPIC TONAL MARK CHIRET
- 1397 — ETHIOPIC TONAL MARK HIDET
- 1398 ፡ ETHIOPIC TONAL MARK DERET-HIDET
- 1399 ተ ETHIOPIC TONAL MARK KURT

	13A	13B	13C	13D	13E	13F
0	D 13A0	F 13B0	G 13C0	† 13D0	‡ 13E0	β 13F0
1	R 13A1	Γ 13B1	Λ 13C1	∞ 13D1	∅ 13E1	♩ 13F1
2	T 13A2	Q 13B2	h 13C2	R 13D2	P 13E2	h 13F2
3	♩ 13A3	W 13B3	Z 13C3	L 13D3	G 13E3	G <sup>w</sup> 13F3
4	ℳ 13A4	♩ 13B4	‡ 13C4	W 13D4	V 13E4	B 13F4
5	i 13A5	ℳ 13B5	ℳ <sup>o</sup> 13C5	ℳ <sup>s</sup> 13D5	ℳ <sup>h</sup> 13E5	
6	ℳ <sup>s</sup> 13A6	G 13B6	T 13C6	τ 13D6	K 13E6	
7	⊙ 13A7	M 13B7	⊙ <sup>o</sup> 13C7	ℳ <sup>h</sup> 13D7	ℳ <sup>h</sup> 13E7	
8	ℳ <sup>s</sup> 13A8	‡ 13B8	∅ <sup>o</sup> 13C8	ℳ <sup>h</sup> 13D8	C <sup>w</sup> 13E8	
9	Y 13A9	∅ <sup>o</sup> 13B9	v 13C9	V 13D9	G 13E9	
A	A 13AA	⊙ <sup>o</sup> 13BA	⊙ <sup>o</sup> 13CA	S 13DA	ℳ <sup>h</sup> 13EA	
B	J 13AB	H 13BB	ε 13CB	∅ <sup>o</sup> 13DB	⊙ <sup>o</sup> 13EB	
C	E 13AC	♩ <sup>o</sup> 13BC	U 13CC	∅ <sup>o</sup> 13DC	ℳ <sup>h</sup> 13EC	
D	‡ <sup>o</sup> 13AD	Y 13BD	⊙ <sup>o</sup> 13CD	L 13DD	9 13ED	
E	ℳ <sup>h</sup> 13AE	⊙ <sup>o</sup> 13BE	4 13CE	L 13DE	6 13EE	
F	ℳ <sup>h</sup> 13AF	t 13BF	ℳ <sup>h</sup> 13CF	C 13DF	⊙ <sup>o</sup> 13EF	

**Syllables**

13A0	D	CHEROKEE LETTER A	13DC	Ꮟ	CHEROKEE LETTER DLA
13A1	R	CHEROKEE LETTER E	13DD	Ꮢ	CHEROKEE LETTER TLA
13A2	T	CHEROKEE LETTER I	13DE	L	CHEROKEE LETTER TLE
13A3	Ꮝ	CHEROKEE LETTER O	13DF	C	CHEROKEE LETTER TLI
13A4	Ꮖ	CHEROKEE LETTER U	13E0	Ꮗ	CHEROKEE LETTER TLO
13A5	i	CHEROKEE LETTER V	13E1	Ꮘ	CHEROKEE LETTER TLU
13A6	Ꮙ	CHEROKEE LETTER GA	13E2	P	CHEROKEE LETTER TLV
13A7	Ꮚ	CHEROKEE LETTER KA	13E3	G	CHEROKEE LETTER TSA
13A8	Ꮛ	CHEROKEE LETTER GE	13E4	V	CHEROKEE LETTER TSE
13A9	Ꮜ	CHEROKEE LETTER GI	13E5	Ꮟ	CHEROKEE LETTER TSI
13AA	A	CHEROKEE LETTER GO	13E6	K	CHEROKEE LETTER TSO
13AB	J	CHEROKEE LETTER GU	13E7	Ꮠ	CHEROKEE LETTER TSU
13AC	E	CHEROKEE LETTER GV	13E8	Ꮡ	CHEROKEE LETTER TSV
13AD	Ꮝ	CHEROKEE LETTER HA	13E9	G	CHEROKEE LETTER WA
13AE	Ꮞ	CHEROKEE LETTER HE	13EA	Ꮢ	CHEROKEE LETTER WE
13AF	Ꮟ	CHEROKEE LETTER HI	13EB	Ꮣ	CHEROKEE LETTER WI
13B0	Ꮠ	CHEROKEE LETTER HO	13EC	Ꮤ	CHEROKEE LETTER WO
13B1	Ꮡ	CHEROKEE LETTER HU	13ED	Ꮥ	CHEROKEE LETTER WU
13B2	Ꮢ	CHEROKEE LETTER HV	13EE	Ꮦ	CHEROKEE LETTER WV
13B3	Ꮣ	CHEROKEE LETTER LA	13EF	Ꮧ	CHEROKEE LETTER YA
13B4	Ꮤ	CHEROKEE LETTER LE	13F0	Ꮨ	CHEROKEE LETTER YE
13B5	Ꮥ	CHEROKEE LETTER LI	13F1	Ꮩ	CHEROKEE LETTER YI
13B6	Ꮦ	CHEROKEE LETTER LO	13F2	Ꮪ	CHEROKEE LETTER YO
13B7	Ꮧ	CHEROKEE LETTER LU	13F3	Ꮫ	CHEROKEE LETTER YU
13B8	Ꮨ	CHEROKEE LETTER LV	13F4	B	CHEROKEE LETTER YV
13B9	Ꮩ	CHEROKEE LETTER MA			
13BA	Ꮪ	CHEROKEE LETTER ME			
13BB	H	CHEROKEE LETTER MI			
13BC	Ꮫ	CHEROKEE LETTER MO			
13BD	Ꮬ	CHEROKEE LETTER MU			
13BE	Ꮭ	CHEROKEE LETTER NA			
13BF	Ꮮ	CHEROKEE LETTER HNA			
13C0	G	CHEROKEE LETTER NAH			
13C1	Ꮯ	CHEROKEE LETTER NE			
13C2	Ꮰ	CHEROKEE LETTER NI			
13C3	Z	CHEROKEE LETTER NO			
13C4	Ꮱ	CHEROKEE LETTER NU			
13C5	Ꮲ	CHEROKEE LETTER NV			
13C6	Ꮳ	CHEROKEE LETTER QUA			
13C7	Ꮴ	CHEROKEE LETTER QUE			
13C8	Ꮵ	CHEROKEE LETTER QUI			
13C9	Ꮶ	CHEROKEE LETTER QUO			
13CA	Ꮷ	CHEROKEE LETTER QUU			
13CB	Ꮸ	CHEROKEE LETTER QUV			
13CC	Ꮹ	CHEROKEE LETTER SA			
13CD	Ꮺ	CHEROKEE LETTER S			
13CE	Ꮻ	CHEROKEE LETTER SE			
13CF	Ꮼ	CHEROKEE LETTER SI			
13D0	Ꮽ	CHEROKEE LETTER SO			
13D1	Ꮾ	CHEROKEE LETTER SU			
13D2	Ꮿ	CHEROKEE LETTER SV			
13D3	Ᏸ	CHEROKEE LETTER DA			
13D4	Ᏹ	CHEROKEE LETTER TA			
13D5	Ᏺ	CHEROKEE LETTER DE			
13D6	Ᏻ	CHEROKEE LETTER TE			
13D7	Ᏼ	CHEROKEE LETTER DI			
13D8	Ᏽ	CHEROKEE LETTER TI			
13D9	᏶	CHEROKEE LETTER DO			
13DA	S	CHEROKEE LETTER DU			
13DB	᏷	CHEROKEE LETTER DV			

	140	141	142	143	144	145	146	147	148	149	14A	14B	14C	14D
0	= 1400	◡ 1410	˘ 1420	◡ 1430	◡ 1440	◡ 1450	◡ 1460	◡ 1470	◡ 1480	◡ 1490	◡ 14A0	◡ 14B0	◡ 14C0	◡ 14D0
1	◡ 1401	◡ 1411	◡ 1421	◡ 1431	◡ 1441	◡ 1451	◡ 1461	◡ 1471	◡ 1481	◡ 1491	◡ 14A1	◡ 14B1	◡ 14C1	◡ 14D1
2	◡ 1402	◡ 1412	◡ 1422	◡ 1432	◡ 1442	◡ 1452	◡ 1462	◡ 1472	◡ 1482	◡ 1492	◡ 14A2	◡ 14B2	◡ 14C2	◡ 14D2
3	◡ 1403	◡ 1413	◡ 1423	◡ 1433	◡ 1443	◡ 1453	◡ 1463	◡ 1473	◡ 1483	◡ 1493	◡ 14A3	◡ 14B3	◡ 14C3	◡ 14D3
4	◡ 1404	◡ 1414	◡ 1424	◡ 1434	◡ 1444	◡ 1454	◡ 1464	◡ 1474	◡ 1484	◡ 1494	◡ 14A4	◡ 14B4	◡ 14C4	◡ 14D4
5	◡ 1405	◡ 1415	◡ 1425	◡ 1435	◡ 1445	◡ 1455	◡ 1465	◡ 1475	◡ 1485	◡ 1495	◡ 14A5	◡ 14B5	◡ 14C5	◡ 14D5
6	◡ 1406	◡ 1416	◡ 1426	◡ 1436	◡ 1446	◡ 1456	◡ 1466	◡ 1476	◡ 1486	◡ 1496	◡ 14A6	◡ 14B6	◡ 14C6	◡ 14D6
7	◡ 1407	◡ 1417	◡ 1427	◡ 1437	◡ 1447	◡ 1457	◡ 1467	◡ 1477	◡ 1487	◡ 1497	◡ 14A7	◡ 14B7	◡ 14C7	◡ 14D7
8	◡ 1408	◡ 1418	◡ 1428	◡ 1438	◡ 1448	◡ 1458	◡ 1468	◡ 1478	◡ 1488	◡ 1498	◡ 14A8	◡ 14B8	◡ 14C8	◡ 14D8
9	◡ 1409	◡ 1419	◡ 1429	◡ 1439	◡ 1449	◡ 1459	◡ 1469	◡ 1479	◡ 1489	◡ 1499	◡ 14A9	◡ 14B9	◡ 14C9	◡ 14D9
A	◡ 140A	◡ 141A	◡ 142A	◡ 143A	◡ 144A	◡ 145A	◡ 146A	◡ 147A	◡ 148A	◡ 149A	◡ 14AA	◡ 14BA	◡ 14CA	◡ 14DA
B	◡ 140B	◡ 141B	◡ 142B	◡ 143B	◡ 144B	◡ 145B	◡ 146B	◡ 147B	◡ 148B	◡ 149B	◡ 14AB	◡ 14BB	◡ 14CB	◡ 14DB
C	◡ 140C	◡ 141C	◡ 142C	◡ 143C	◡ 144C	◡ 145C	◡ 146C	◡ 147C	◡ 148C	◡ 149C	◡ 14AC	◡ 14BC	◡ 14CC	◡ 14DC
D	◡ 140D	◡ 141D	◡ 142D	◡ 143D	◡ 144D	◡ 145D	◡ 146D	◡ 147D	◡ 148D	◡ 149D	◡ 14AD	◡ 14BD	◡ 14CD	◡ 14DD
E	◡ 140E	◡ 141E	◡ 142E	◡ 143E	◡ 144E	◡ 145E	◡ 146E	◡ 147E	◡ 148E	◡ 149E	◡ 14AE	◡ 14BE	◡ 14CE	◡ 14DE
F	◡ 140F	◡ 141F	◡ 142F	◡ 143F	◡ 144F	◡ 145F	◡ 146F	◡ 147F	◡ 148F	◡ 149F	◡ 14AF	◡ 14BF	◡ 14CF	◡ 14DF

	14E	14F	150	151	152	153	154	155	156	157	158	159	15A
0	ᑭ 14E0	ᑭ 14F0	ᑭ 1500	ᑭ 1510	ᑭ 1520	ᑭ 1530	ᑭ 1540	ᑭ 1550	ᑭ 1560	ᑭ 1570	ᑭ 1580	ᑭ 1590	ᑭ 15A0
1	ᑭ 14E1	ᑭ 14F1	ᑭ 1501	ᑭ 1511	ᑭ 1521	ᑭ 1531	ᑭ 1541	ᑭ 1551	ᑭ 1561	ᑭ 1571	ᑭ 1581	ᑭ 1591	ᑭ 15A1
2	ᑭ 14E2	ᑭ 14F2	ᑭ 1502	ᑭ 1512	ᑭ 1522	ᑭ 1532	ᑭ 1542	ᑭ 1552	ᑭ 1562	ᑭ 1572	ᑭ 1582	ᑭ 1592	ᑭ 15A2
3	ᑭ 14E3	ᑭ 14F3	ᑭ 1503	ᑭ 1513	ᑭ 1523	ᑭ 1533	ᑭ 1543	ᑭ 1553	ᑭ 1563	ᑭ 1573	ᑭ 1583	ᑭ 1593	ᑭ 15A3
4	ᑭ 14E4	ᑭ 14F4	ᑭ 1504	ᑭ 1514	ᑭ 1524	ᑭ 1534	ᑭ 1544	ᑭ 1554	ᑭ 1564	ᑭ 1574	ᑭ 1584	ᑭ 1594	ᑭ 15A4
5	ᑭ 14E5	ᑭ 14F5	ᑭ 1505	ᑭ 1515	ᑭ 1525	ᑭ 1535	ᑭ 1545	ᑭ 1555	ᑭ 1565	ᑭ 1575	ᑭ 1585	ᑭ 1595	ᑭ 15A5
6	ᑭ 14E6	ᑭ 14F6	ᑭ 1506	ᑭ 1516	ᑭ 1526	ᑭ 1536	ᑭ 1546	ᑭ 1556	ᑭ 1566	ᑭ 1576	ᑭ 1586	ᑭ 1596	ᑭ 15A6
7	ᑭ 14E7	ᑭ 14F7	ᑭ 1507	ᑭ 1517	ᑭ 1527	ᑭ 1537	ᑭ 1547	ᑭ 1557	ᑭ 1567	ᑭ 1577	ᑭ 1587	ᑭ 1597	ᑭ 15A7
8	ᑭ 14E8	ᑭ 14F8	ᑭ 1508	ᑭ 1518	ᑭ 1528	ᑭ 1538	ᑭ 1548	ᑭ 1558	ᑭ 1568	ᑭ 1578	ᑭ 1588	ᑭ 1598	ᑭ 15A8
9	ᑭ 14E9	ᑭ 14F9	ᑭ 1509	ᑭ 1519	ᑭ 1529	ᑭ 1539	ᑭ 1549	ᑭ 1559	ᑭ 1569	ᑭ 1579	ᑭ 1589	ᑭ 1599	ᑭ 15A9
A	ᑭ 14EA	ᑭ 14FA	ᑭ 150A	ᑭ 151A	ᑭ 152A	ᑭ 153A	ᑭ 154A	ᑭ 155A	ᑭ 156A	ᑭ 157A	ᑭ 158A	ᑭ 159A	ᑭ 15AA
B	ᑭ 14EB	ᑭ 14FB	ᑭ 150B	ᑭ 151B	ᑭ 152B	ᑭ 153B	ᑭ 154B	ᑭ 155B	ᑭ 156B	ᑭ 157B	ᑭ 158B	ᑭ 159B	ᑭ 15AB
C	ᑭ 14EC	ᑭ 14FC	ᑭ 150C	ᑭ 151C	ᑭ 152C	ᑭ 153C	ᑭ 154C	ᑭ 155C	ᑭ 156C	ᑭ 157C	ᑭ 158C	ᑭ 159C	ᑭ 15AC
D	ᑭ 14ED	ᑭ 14FD	ᑭ 150D	ᑭ 151D	ᑭ 152D	ᑭ 153D	ᑭ 154D	ᑭ 155D	ᑭ 156D	ᑭ 157D	ᑭ 158D	ᑭ 159D	ᑭ 15AD
E	ᑭ 14EE	ᑭ 14FE	ᑭ 150E	ᑭ 151E	ᑭ 152E	ᑭ 153E	ᑭ 154E	ᑭ 155E	ᑭ 156E	ᑭ 157E	ᑭ 158E	ᑭ 159E	ᑭ 15AE
F	ᑭ 14EF	ᑭ 14FF	ᑭ 150F	ᑭ 151F	ᑭ 152F	ᑭ 153F	ᑭ 154F	ᑭ 155F	ᑭ 156F	ᑭ 157F	ᑭ 158F	ᑭ 159F	ᑭ 15AF

	15B	15C	15D	15E	15F	160	161	162	163	164	165	166	167
0	15B0	15C0	15D0	15E0	15F0	1600	1610	1620	1630	1640	1650	1660	1670
1	15B1	15C1	15D1	15E1	15F1	1601	1611	1621	1631	1641	1651	1661	1671
2	15B2	15C2	15D2	15E2	15F2	1602	1612	1622	1632	1642	1652	1662	1672
3	15B3	15C3	15D3	15E3	15F3	1603	1613	1623	1633	1643	1653	1663	1673
4	15B4	15C4	15D4	15E4	15F4	1604	1614	1624	1634	1644	1654	1664	1674
5	15B5	15C5	15D5	15E5	15F5	1605	1615	1625	1635	1645	1655	1665	1675
6	15B6	15C6	15D6	15E6	15F6	1606	1616	1626	1636	1646	1656	1666	1676
7	15B7	15C7	15D7	15E7	15F7	1607	1617	1627	1637	1647	1657	1667	1677
8	15B8	15C8	15D8	15E8	15F8	1608	1618	1628	1638	1648	1658	1668	1678
9	15B9	15C9	15D9	15E9	15F9	1609	1619	1629	1639	1649	1659	1669	1679
A	15BA	15CA	15DA	15EA	15FA	160A	161A	162A	163A	164A	165A	166A	167A
B	15BB	15CB	15DB	15EB	15FB	160B	161B	162B	163B	164B	165B	166B	167B
C	15BC	15CC	15DC	15EC	15FC	160C	161C	162C	163C	164C	165C	166C	167C
D	15BD	15CD	15DD	15ED	15FD	160D	161D	162D	163D	164D	165D	166D	167D
E	15BE	15CE	15DE	15EE	15FE	160E	161E	162E	163E	164E	165E	166E	167E
F	15BF	15CF	15DF	15EF	15FF	160F	161F	162F	163F	164F	165F	166F	167F

**Punctuation**

1400 = CANADIAN SYLLABICS HYPHEN

**Syllables**

1401	∇	CANADIAN SYLLABICS E • Inuktitut (AI), Carrier (U)	1427	·	CANADIAN SYLLABICS FINAL MIDDLE DOT • Moose Cree (W), Athapascan (Y), Sayisi (YU), Blackfoot (S)
1402	△	CANADIAN SYLLABICS AAI • Inuktitut	1428	-	CANADIAN SYLLABICS FINAL SHORT HORIZONTAL STROKE • West Cree (C), Sayisi (D)
1403	△	CANADIAN SYLLABICS I • Carrier (O)	1429	+	CANADIAN SYLLABICS FINAL PLUS • Athapascan (N), Sayisi (AI)
1404	△	CANADIAN SYLLABICS II	142A	†	CANADIAN SYLLABICS FINAL DOWN TACK • N Cree (L), Carrier (D) → 22A4 T down tack
1405	▷	CANADIAN SYLLABICS O • Inuktitut (U), Carrier (E)	142B	∇	CANADIAN SYLLABICS EN
1406	▷	CANADIAN SYLLABICS OO • Inuktitut (UU)	142C	△	CANADIAN SYLLABICS IN
1407	∇	CANADIAN SYLLABICS Y-CREE OO	142D	▷	CANADIAN SYLLABICS ON
1408	▷	CANADIAN SYLLABICS CARRIER EE	142E	◁	CANADIAN SYLLABICS AN
1409	▷	CANADIAN SYLLABICS CARRIER I	142F	∇	CANADIAN SYLLABICS PE • Inuktitut (PAI), Athapascan (BE), Carrier (HU)
140A	◁	CANADIAN SYLLABICS A	1430	∧	CANADIAN SYLLABICS PAAI • Inuktitut
140B	◁	CANADIAN SYLLABICS AA	1431	∧	CANADIAN SYLLABICS PI
140C	∇	CANADIAN SYLLABICS WE	1432	∧	CANADIAN SYLLABICS PII
140D	∇	CANADIAN SYLLABICS WEST-CREE WE	1433	>	CANADIAN SYLLABICS PO • Inuktitut (PU), Athapascan (BO), Carrier (HE)
140E	△	CANADIAN SYLLABICS WI	1434	>	CANADIAN SYLLABICS POO • Inuktitut (PUU)
140F	△	CANADIAN SYLLABICS WEST-CREE WI	1435	∫	CANADIAN SYLLABICS Y-CREE POO
1410	△	CANADIAN SYLLABICS WII	1436	▷	CANADIAN SYLLABICS CARRIER HEE
1411	△	CANADIAN SYLLABICS WEST-CREE WII	1437	▷	CANADIAN SYLLABICS CARRIER HI
1412	▷	CANADIAN SYLLABICS WO	1438	<	CANADIAN SYLLABICS PA • Athapascan (BA), Carrier (HA)
1413	▷	CANADIAN SYLLABICS WEST-CREE WO	1439	◁	CANADIAN SYLLABICS PAA
1414	∇	CANADIAN SYLLABICS WOO	143A	∇	CANADIAN SYLLABICS PWE
1415	∇	CANADIAN SYLLABICS WEST-CREE WOO	143B	∇	CANADIAN SYLLABICS WEST-CREE PWE
1416	∇	CANADIAN SYLLABICS NASKAPI WOO	143C	∇	CANADIAN SYLLABICS PWI
1417	◁	CANADIAN SYLLABICS WA	143D	∧	CANADIAN SYLLABICS WEST-CREE PWI
1418	◁	CANADIAN SYLLABICS WEST-CREE WA	143E	∧	CANADIAN SYLLABICS PWII
1419	◁	CANADIAN SYLLABICS WAA	143F	∧	CANADIAN SYLLABICS WEST-CREE PWII
141A	◁	CANADIAN SYLLABICS WEST-CREE WAA	1440	>	CANADIAN SYLLABICS PWO
141B	◁	CANADIAN SYLLABICS NASKAPI WAA	1441	>	CANADIAN SYLLABICS WEST-CREE PWO
141C	∞	CANADIAN SYLLABICS AI • East Cree	1442	∫	CANADIAN SYLLABICS PWOO
141D	·	CANADIAN SYLLABICS Y-CREE W	1443	∫	CANADIAN SYLLABICS WEST-CREE PWOO
141E	^	CANADIAN SYLLABICS GLOTTAL STOP • Moose Cree (Y), Algonquian (GLOTTAL STOP)	1444	<	CANADIAN SYLLABICS PWA
141F	˘	CANADIAN SYLLABICS FINAL ACUTE • West Cree (T), East Cree (Y), Inuktitut (GLOTTAL STOP) • Athapascan (B/P), Sayisi (I), Carrier (G)	1445	<	CANADIAN SYLLABICS WEST-CREE PWA
1420	˘	CANADIAN SYLLABICS FINAL GRAVE • West Cree (K), Athapascan (K), Carrier (KH)	1446	◁	CANADIAN SYLLABICS PWAA
1421	˘	CANADIAN SYLLABICS FINAL BOTTOM HALF RING • N Cree (SH), Sayisi (R), Carrier (NG)	1447	◁	CANADIAN SYLLABICS WEST-CREE PWAA
1422	˘	CANADIAN SYLLABICS FINAL TOP HALF RING • Algonquian (S), Chipewyan (R), Sayisi (S)	1448	◁	CANADIAN SYLLABICS Y-CREE PWAA
1423	˘	CANADIAN SYLLABICS FINAL RIGHT HALF RING • West Cree (N), Athapascan (D/T), Sayisi (N), Carrier (N)	1449	<	CANADIAN SYLLABICS P • Blackfoot (Y)
1424	◦	CANADIAN SYLLABICS FINAL RING • West Cree (W), Sayisi (O)	144A	˘	CANADIAN SYLLABICS WEST-CREE P • Sayisi (G)
1425	˝	CANADIAN SYLLABICS FINAL DOUBLE ACUTE • Chipewyan (TT), South Slavey (GH)	144B	h	CANADIAN SYLLABICS CARRIER H
1426	˝	CANADIAN SYLLABICS FINAL DOUBLE SHORT VERTICAL STROKES • Algonquian (H), Carrier (R)	144C	U	CANADIAN SYLLABICS TE • Inuktitut (TAI), Athapascan (DI), Carrier (DU)
			144D	ŋ	CANADIAN SYLLABICS TAAI • Inuktitut
			144E	ŋ	CANADIAN SYLLABICS TII • Athapascan (DE), Carrier (DO)
			144F	ŋ	CANADIAN SYLLABICS TII
			1450	⊃	CANADIAN SYLLABICS TO • Inuktitut (TU), Athapascan (DO), Carrier (DE), Sayisi (DU)



1451	ᓄ	CANADIAN SYLLABICS TOO • Inuktitut (TUU)	1482	ᓄ	CANADIAN SYLLABICS NASKAPI KWAA
1452	ᓅ	CANADIAN SYLLABICS Y-CREE TOO	1483	ᓅ	CANADIAN SYLLABICS K
1453	ᓆ	CANADIAN SYLLABICS CARRIER DEE	1484	ᓆ	CANADIAN SYLLABICS KW • East Cree
1454	ᓇ	CANADIAN SYLLABICS CARRIER DI	1485	ᓇ	CANADIAN SYLLABICS SOUTH-SLAVEY KEH
1455	ᓈ	CANADIAN SYLLABICS TA • Athapascan (DA)	1486	ᓈ	CANADIAN SYLLABICS SOUTH-SLAVEY KIH
1456	ᓉ	CANADIAN SYLLABICS TAA	1487	ᓉ	CANADIAN SYLLABICS SOUTH-SLAVEY KOH
1457	ᓊ	CANADIAN SYLLABICS TWE	1488	ᓊ	CANADIAN SYLLABICS SOUTH-SLAVEY KAH
1458	ᓋ	CANADIAN SYLLABICS WEST-CREE TWE	1489	ᓋ	CANADIAN SYLLABICS CE • Inuktitut (GAI), Athapascan (DHE), Sayisi (THE), Blackfoot (MA)
1459	ᓌ	CANADIAN SYLLABICS TWI	148A	ᓌ	CANADIAN SYLLABICS CAAI • Inuktitut (GAAI)
145A	ᓍ	CANADIAN SYLLABICS WEST-CREE TWI	148B	ᓍ	CANADIAN SYLLABICS CI • Inuktitut (GI), Athapascan (DHI), Sayisi (THI), Blackfoot (ME)
145B	ᓎ	CANADIAN SYLLABICS TWII	148C	ᓎ	CANADIAN SYLLABICS CII • Inuktitut (GII)
145C	ᓏ	CANADIAN SYLLABICS WEST-CREE TWII	148D	ᓏ	CANADIAN SYLLABICS CO • Inuktitut (GU), Athapascan (DHO), Sayisi (THO), Blackfoot (MI)
145D	ᓐ	CANADIAN SYLLABICS TWO	148E	ᓐ	CANADIAN SYLLABICS COO • Inuktitut (GUU)
145E	ᓑ	CANADIAN SYLLABICS WEST-CREE TWO	148F	ᓑ	CANADIAN SYLLABICS Y-CREE COO
145F	ᓒ	CANADIAN SYLLABICS TWOO	1490	ᓒ	CANADIAN SYLLABICS CA • Inuktitut (GA), Athapascan (DHA), Sayisi (THA), Blackfoot (MO)
1460	ᓓ	CANADIAN SYLLABICS WEST-CREE TWOO	1491	ᓓ	CANADIAN SYLLABICS CAA • Inuktitut (GAA)
1461	ᓔ	CANADIAN SYLLABICS TWA	1492	ᓔ	CANADIAN SYLLABICS CWE
1462	ᓕ	CANADIAN SYLLABICS WEST-CREE TWA	1493	ᓕ	CANADIAN SYLLABICS WEST-CREE CWE
1463	ᓆ	CANADIAN SYLLABICS TWAA	1494	ᓆ	CANADIAN SYLLABICS CWI
1464	ᓇ	CANADIAN SYLLABICS WEST-CREE TWAA	1495	ᓇ	CANADIAN SYLLABICS WEST-CREE CWI
1465	ᓈ	CANADIAN SYLLABICS NASKAPI TWAA	1496	ᓈ	CANADIAN SYLLABICS CWII
1466	ᓉ	CANADIAN SYLLABICS T	1497	ᓈ	CANADIAN SYLLABICS WEST-CREE CWII
1467	ᓊ	CANADIAN SYLLABICS TTE • South Slavey (DEH)	1498	ᓊ	CANADIAN SYLLABICS CWO
1468	ᓋ	CANADIAN SYLLABICS TTI • South Slavey (DIH)	1499	ᓋ	CANADIAN SYLLABICS WEST-CREE CWO
1469	ᓌ	CANADIAN SYLLABICS TTO • South Slavey (DOH)	149A	ᓌ	CANADIAN SYLLABICS CWOO
146A	ᓍ	CANADIAN SYLLABICS TTA • South Slavey (DAH)	149B	ᓌ	CANADIAN SYLLABICS WEST-CREE CWOO
146B	ᓎ	CANADIAN SYLLABICS KE • Inuktitut (KAI), Blackfoot (PA)	149C	ᓍ	CANADIAN SYLLABICS CWA
146C	ᓏ	CANADIAN SYLLABICS KAAI • Inuktitut	149D	ᓍ	CANADIAN SYLLABICS WEST-CREE CWA
146D	ᓐ	CANADIAN SYLLABICS KI • Blackfoot (PE)	149E	ᓎ	CANADIAN SYLLABICS CWAA
146E	ᓑ	CANADIAN SYLLABICS KII	149F	ᓎ	CANADIAN SYLLABICS WEST-CREE CWAA
146F	ᓒ	CANADIAN SYLLABICS KO • Inuktitut (KU), Sayisi (KU), Blackfoot (PI)	14A0	ᓏ	CANADIAN SYLLABICS NASKAPI CWAA
1470	ᓓ	CANADIAN SYLLABICS KOO • Inuktitut (KUU)	14A1	ᓐ	CANADIAN SYLLABICS C • Inuktitut (G), Sayisi (T)
1471	ᓔ	CANADIAN SYLLABICS Y-CREE KOO	14A2	ᓐ	CANADIAN SYLLABICS SAYISI TH • Athapascan (DH)
1472	ᓕ	CANADIAN SYLLABICS KA • Blackfoot (PO)	14A3	ᓐ	CANADIAN SYLLABICS ME • Inuktitut (MAI), Blackfoot (TA)
1473	ᓆ	CANADIAN SYLLABICS KAA	14A4	ᓑ	CANADIAN SYLLABICS MAAI • Inuktitut
1474	ᓇ	CANADIAN SYLLABICS KWE	14A5	ᓒ	CANADIAN SYLLABICS MI • Blackfoot (TE)
1475	ᓈ	CANADIAN SYLLABICS WEST-CREE KWE	14A6	ᓑ	CANADIAN SYLLABICS MII
1476	ᓉ	CANADIAN SYLLABICS KWI	14A7	ᓒ	CANADIAN SYLLABICS MO • Inuktitut (MU), Sayisi (MU), Blackfoot (TI)
1477	ᓊ	CANADIAN SYLLABICS WEST-CREE KWI	14A8	ᓑ	CANADIAN SYLLABICS MOO • Inuktitut (MUU)
1478	ᓋ	CANADIAN SYLLABICS KWII	14A9	ᓒ	CANADIAN SYLLABICS Y-CREE MOO
1479	ᓌ	CANADIAN SYLLABICS WEST-CREE KWII	14AA	ᓓ	CANADIAN SYLLABICS MA • Blackfoot (TO)
147A	ᓍ	CANADIAN SYLLABICS KWO			
147B	ᓎ	CANADIAN SYLLABICS WEST-CREE KWO			
147C	ᓏ	CANADIAN SYLLABICS KWOO			
147D	ᓐ	CANADIAN SYLLABICS WEST-CREE KWOO			
147E	ᓑ	CANADIAN SYLLABICS KWA			
147F	ᓒ	CANADIAN SYLLABICS WEST-CREE KWA			
1480	ᓓ	CANADIAN SYLLABICS KWAA			
1481	ᓔ	CANADIAN SYLLABICS WEST-CREE KWAA			

14AB	ᓀ	CANADIAN SYLLABICS MAA	14DF	ᓄ	CANADIAN SYLLABICS WEST-CREE LWI
14AC	ᓁ	CANADIAN SYLLABICS MWE	14E0	ᓅ	CANADIAN SYLLABICS LWII
14AD	ᓂ	CANADIAN SYLLABICS WEST-CREE MWE	14E1	ᓆ	CANADIAN SYLLABICS WEST-CREE LWII
14AE	ᓃ	CANADIAN SYLLABICS MWI	14E2	ᓇ	CANADIAN SYLLABICS LWO
14AF	ᓄ	CANADIAN SYLLABICS WEST-CREE MWI	14E3	ᓈ	CANADIAN SYLLABICS WEST-CREE LWO
14B0	ᓅ	CANADIAN SYLLABICS MWII	14E4	ᓉ	CANADIAN SYLLABICS LWOO
14B1	ᓆ	CANADIAN SYLLABICS WEST-CREE MWII	14E5	ᓊ	CANADIAN SYLLABICS WEST-CREE LWOO
14B2	ᓇ	CANADIAN SYLLABICS MWO	14E6	ᓋ	CANADIAN SYLLABICS LWA
14B3	ᓈ	CANADIAN SYLLABICS WEST-CREE MWO	14E7	ᓌ	CANADIAN SYLLABICS WEST-CREE LWA
14B4	ᓉ	CANADIAN SYLLABICS MWOO	14E8	ᓍ	CANADIAN SYLLABICS LWAA
14B5	ᓊ	CANADIAN SYLLABICS WEST-CREE MWOO	14E9	ᓎ	CANADIAN SYLLABICS WEST-CREE LWAA
14B6	ᓋ	CANADIAN SYLLABICS MWA	14EA	ᓏ	CANADIAN SYLLABICS L
14B7	ᓌ	CANADIAN SYLLABICS WEST-CREE MWA	14EB	ᓐ	CANADIAN SYLLABICS WEST-CREE L
14B8	ᓍ	CANADIAN SYLLABICS MWAA	14EC	ᓑ	CANADIAN SYLLABICS MEDIAL L
14B9	ᓎ	CANADIAN SYLLABICS WEST-CREE MWAA	14ED	ᓒ	CANADIAN SYLLABICS SE
14BA	ᓏ	CANADIAN SYLLABICS NASKAPI MWAA			• Inuktitut (SAI), Blackfoot (SA)
14BB	ᓐ	CANADIAN SYLLABICS M	14EE	ᓓ	CANADIAN SYLLABICS SAAI
14BC	ᓑ	CANADIAN SYLLABICS WEST-CREE M			• Inuktitut
		• Carrier (M)	14EF	ᓔ	CANADIAN SYLLABICS SI
14BD	ᓒ	CANADIAN SYLLABICS MH			• Blackfoot (SE)
14BE	ᓓ	CANADIAN SYLLABICS ATHAPASCAN M	14F0	ᓕ	CANADIAN SYLLABICS SII
14BF	ᓔ	CANADIAN SYLLABICS SAYISI M	14F1	ᓆ	CANADIAN SYLLABICS SO
14C0	ᓕ	CANADIAN SYLLABICS NE			• Inuktitut (SU), Sayisi (SU), Blackfoot (SI)
		• Inuktitut (NAI)	14F2	ᓈ	CANADIAN SYLLABICS SOO
14C1	ᓆ	CANADIAN SYLLABICS NAAI			• Inuktitut (SUU)
		• Inuktitut	14F3	ᓊ	CANADIAN SYLLABICS Y-CREE SOO
14C2	ᓈ	CANADIAN SYLLABICS NI	14F4	ᓌ	CANADIAN SYLLABICS SA
14C3	ᓊ	CANADIAN SYLLABICS NII			• Blackfoot (SO)
14C4	ᓌ	CANADIAN SYLLABICS NO	14F5	ᓎ	CANADIAN SYLLABICS SAA
		• Inuktitut (NU), Sayisi (NU)	14F6	ᓐ	CANADIAN SYLLABICS SWE
14C5	ᓎ	CANADIAN SYLLABICS NOO	14F7	ᓒ	CANADIAN SYLLABICS WEST-CREE SWE
		• Inuktitut (NUU)	14F8	ᓔ	CANADIAN SYLLABICS SWI
14C6	ᓐ	CANADIAN SYLLABICS Y-CREE NOO	14F9	ᓖ	CANADIAN SYLLABICS WEST-CREE SWI
14C7	ᓒ	CANADIAN SYLLABICS NA	14FA	ᓘ	CANADIAN SYLLABICS SWII
14C8	ᓖ	CANADIAN SYLLABICS NAA	14FB	ᓚ	CANADIAN SYLLABICS WEST-CREE SWII
14C9	ᓘ	CANADIAN SYLLABICS NWE	14FC	ᓆ	CANADIAN SYLLABICS SWO
14CA	ᓚ	CANADIAN SYLLABICS WEST-CREE NWE	14FD	ᓈ	CANADIAN SYLLABICS WEST-CREE SWO
14CB	ᓆ	CANADIAN SYLLABICS NWA	14FE	ᓊ	CANADIAN SYLLABICS SWOO
14CC	ᓈ	CANADIAN SYLLABICS WEST-CREE NWA	14FF	ᓌ	CANADIAN SYLLABICS WEST-CREE SWOO
14CD	ᓊ	CANADIAN SYLLABICS NWAA	1500	ᓎ	CANADIAN SYLLABICS SWA
14CE	ᓌ	CANADIAN SYLLABICS WEST-CREE NWAA	1501	ᓐ	CANADIAN SYLLABICS WEST-CREE SWA
14CF	ᓎ	CANADIAN SYLLABICS NASKAPI NWAA	1502	ᓒ	CANADIAN SYLLABICS SWAA
14D0	ᓐ	CANADIAN SYLLABICS N	1503	ᓔ	CANADIAN SYLLABICS WEST-CREE SWAA
14D1	ᓒ	CANADIAN SYLLABICS CARRIER NG	1504	ᓖ	CANADIAN SYLLABICS NASKAPI SWAA
14D2	ᓔ	CANADIAN SYLLABICS NH	1505	ᓘ	CANADIAN SYLLABICS S
14D3	ᓖ	CANADIAN SYLLABICS LE	1506	ᓚ	CANADIAN SYLLABICS ATHAPASCAN S
		• Inuktitut (LAI)	1507	ᓆ	CANADIAN SYLLABICS SW
14D4	ᓆ	CANADIAN SYLLABICS LAAI	1508	ᓈ	CANADIAN SYLLABICS BLACKFOOT S
		• Inuktitut	1509	ᓊ	CANADIAN SYLLABICS MOOSE-CREE SK
14D5	ᓈ	CANADIAN SYLLABICS LI	150A	ᓌ	CANADIAN SYLLABICS NASKAPI SKW
14D6	ᓊ	CANADIAN SYLLABICS LII	150B	ᓎ	CANADIAN SYLLABICS NASKAPI S-W
14D7	ᓌ	CANADIAN SYLLABICS LO	150C	ᓐ	CANADIAN SYLLABICS NASKAPI SPWA
		• Inuktitut (LU)	150D	ᓒ	CANADIAN SYLLABICS NASKAPI STWA
14D8	ᓎ	CANADIAN SYLLABICS LOO	150E	ᓔ	CANADIAN SYLLABICS NASKAPI SKWA
		• Inuktitut (LUU)	150F	ᓖ	CANADIAN SYLLABICS NASKAPI SCWA
14D9	ᓐ	CANADIAN SYLLABICS Y-CREE LOO	1510	ᓘ	CANADIAN SYLLABICS SHE
14DA	ᓒ	CANADIAN SYLLABICS LA	1511	ᓚ	CANADIAN SYLLABICS SHI
14DB	ᓔ	CANADIAN SYLLABICS LAA	1512	ᓆ	CANADIAN SYLLABICS SHII
14DC	ᓖ	CANADIAN SYLLABICS LWE	1513	ᓈ	CANADIAN SYLLABICS SHO
14DD	ᓘ	CANADIAN SYLLABICS WEST-CREE LWE	1514	ᓊ	CANADIAN SYLLABICS SHOO
14DE	ᓚ	CANADIAN SYLLABICS LWI	1515	ᓌ	CANADIAN SYLLABICS SHA

1516	ᑭ	CANADIAN SYLLABICS SHAA	1548	ᑭ	CANADIAN SYLLABICS RO
1517	ᑭ	CANADIAN SYLLABICS SHWE			• Inuktitut (RU)
1518	ᑭ	CANADIAN SYLLABICS WEST-CREE SHWE	1549	ᑭ	CANADIAN SYLLABICS ROO
1519	ᑭ	CANADIAN SYLLABICS SHWI			• Inuktitut (RUU)
151A	ᑭ	CANADIAN SYLLABICS WEST-CREE SHWI	154A	ᑭ	CANADIAN SYLLABICS WEST-CREE LO
151B	ᑭ	CANADIAN SYLLABICS SHWII			• Sayisi (LU)
151C	ᑭ	CANADIAN SYLLABICS WEST-CREE SHWII	154B	ᑭ	CANADIAN SYLLABICS RA
151D	ᑭ	CANADIAN SYLLABICS SHWO	154C	ᑭ	CANADIAN SYLLABICS RAA
151E	ᑭ	CANADIAN SYLLABICS WEST-CREE SHWO	154D	ᑭ	CANADIAN SYLLABICS WEST-CREE LA
151F	ᑭ	CANADIAN SYLLABICS SHWO	154E	ᑭ	CANADIAN SYLLABICS RWAA
1520	ᑭ	CANADIAN SYLLABICS WEST-CREE SHWO	154F	ᑭ	CANADIAN SYLLABICS WEST-CREE RWAA
1521	ᑭ	CANADIAN SYLLABICS SHWA	1550	ᑭ	CANADIAN SYLLABICS R
1522	ᑭ	CANADIAN SYLLABICS WEST-CREE SHWA	1551	ᑭ	CANADIAN SYLLABICS WEST-CREE R
1523	ᑭ	CANADIAN SYLLABICS SHWAA	1552	ᑭ	CANADIAN SYLLABICS MEDIAL R
1524	ᑭ	CANADIAN SYLLABICS WEST-CREE SHWAA	1553	ᑭ	CANADIAN SYLLABICS FE
1525	ᑭ	CANADIAN SYLLABICS SH			• Inuktitut (FAI)
1526	ᑭ	CANADIAN SYLLABICS YE	1554	ᑭ	CANADIAN SYLLABICS FAAI
		• Inuktitut (YAI), Blackfoot (YA)			• Inuktitut
1527	ᑭ	CANADIAN SYLLABICS YAAI	1555	ᑭ	CANADIAN SYLLABICS FI
		• Inuktitut	1556	ᑭ	CANADIAN SYLLABICS FII
1528	ᑭ	CANADIAN SYLLABICS YI	1557	ᑭ	CANADIAN SYLLABICS FO
		• Blackfoot (YE)	1558	ᑭ	CANADIAN SYLLABICS FOO
1529	ᑭ	CANADIAN SYLLABICS YII	1559	ᑭ	CANADIAN SYLLABICS FA
152A	ᑭ	CANADIAN SYLLABICS YO	155A	ᑭ	CANADIAN SYLLABICS FAA
		• Inuktitut (YU), Blackfoot (YI)	155B	ᑭ	CANADIAN SYLLABICS FWAA
152B	ᑭ	CANADIAN SYLLABICS YOO	155C	ᑭ	CANADIAN SYLLABICS WEST-CREE FWAA
		• Inuktitut (YUU)	155D	ᑭ	CANADIAN SYLLABICS F
152C	ᑭ	CANADIAN SYLLABICS Y-CREE YOO	155E	ᑭ	CANADIAN SYLLABICS THE
152D	ᑭ	CANADIAN SYLLABICS YA			• Sayisi (TE)
		• Blackfoot (YO)	155F	ᑭ	CANADIAN SYLLABICS N-CREE THE
152E	ᑭ	CANADIAN SYLLABICS YAA	1560	ᑭ	CANADIAN SYLLABICS THI
152F	ᑭ	CANADIAN SYLLABICS YWE			• Sayisi (TI)
1530	ᑭ	CANADIAN SYLLABICS WEST-CREE YWE	1561	ᑭ	CANADIAN SYLLABICS N-CREE THI
1531	ᑭ	CANADIAN SYLLABICS YWI	1562	ᑭ	CANADIAN SYLLABICS THII
1532	ᑭ	CANADIAN SYLLABICS WEST-CREE YWI	1563	ᑭ	CANADIAN SYLLABICS N-CREE THII
1533	ᑭ	CANADIAN SYLLABICS YWII	1564	ᑭ	CANADIAN SYLLABICS THO
1534	ᑭ	CANADIAN SYLLABICS WEST-CREE YWII			• Sayisi (TU)
1535	ᑭ	CANADIAN SYLLABICS YWO	1565	ᑭ	CANADIAN SYLLABICS THOO
1536	ᑭ	CANADIAN SYLLABICS WEST-CREE YWO	1566	ᑭ	CANADIAN SYLLABICS THA
1537	ᑭ	CANADIAN SYLLABICS YWO			• Sayisi (TA)
1538	ᑭ	CANADIAN SYLLABICS WEST-CREE YWO	1567	ᑭ	CANADIAN SYLLABICS THAA
1539	ᑭ	CANADIAN SYLLABICS YWA	1568	ᑭ	CANADIAN SYLLABICS THWAA
153A	ᑭ	CANADIAN SYLLABICS WEST-CREE YWA	1569	ᑭ	CANADIAN SYLLABICS WEST-CREE THWAA
153B	ᑭ	CANADIAN SYLLABICS YWAA	156A	ᑭ	CANADIAN SYLLABICS TH
153C	ᑭ	CANADIAN SYLLABICS WEST-CREE YWAA	156B	ᑭ	CANADIAN SYLLABICS TTHE
153D	ᑭ	CANADIAN SYLLABICS NASKAPI YWAA	156C	ᑭ	CANADIAN SYLLABICS TTHI
153E	ᑭ	CANADIAN SYLLABICS Y	156D	ᑭ	CANADIAN SYLLABICS TTHO
153F	ᑭ	CANADIAN SYLLABICS BIBLE-CREE Y			• Sayisi (TTHU)
1540	ᑭ	CANADIAN SYLLABICS WEST-CREE Y	156E	ᑭ	CANADIAN SYLLABICS TTHA
1541	ᑭ	CANADIAN SYLLABICS SAYISI YI	156F	ᑭ	CANADIAN SYLLABICS TTH
1542	ᑭ	CANADIAN SYLLABICS RE			• probably a mistaken interpretation of an asterisk used to mark a proper noun → 002A * asterisk
		• Inuktitut (RAI)	1570	ᑭ	CANADIAN SYLLABICS TYE
1543	ᑭ	CANADIAN SYLLABICS R-CREE RE	1571	ᑭ	CANADIAN SYLLABICS TYI
		• Athapascan (LE)	1572	ᑭ	CANADIAN SYLLABICS TYO
1544	ᑭ	CANADIAN SYLLABICS WEST-CREE LE			• Athapascan (LI)
		• Athapascan (LI)	1573	ᑭ	CANADIAN SYLLABICS TYA
1545	ᑭ	CANADIAN SYLLABICS RAAI	1574	ᑭ	CANADIAN SYLLABICS NUNAVIK HE
		• Inuktitut	1575	ᑭ	CANADIAN SYLLABICS NUNAVIK HI
1546	ᑭ	CANADIAN SYLLABICS RI	1576	ᑭ	CANADIAN SYLLABICS NUNAVIK HII
1547	ᑭ	CANADIAN SYLLABICS RII	1577	ᑭ	CANADIAN SYLLABICS NUNAVIK HO
			1578	ᑭ	CANADIAN SYLLABICS NUNAVIK HOO

1579	ᑃ	CANADIAN SYLLABICS NUNAVIK HA	15A8	ᑃ	CANADIAN SYLLABICS TH-CREE THI
157A	ᑄ	CANADIAN SYLLABICS NUNAVIK HAA	15A9	ᑄ	CANADIAN SYLLABICS TH-CREE THII
157B	ᑅ	CANADIAN SYLLABICS NUNAVIK H	15AA	ᑅ	CANADIAN SYLLABICS TH-CREE THO
157C	ᑆ	CANADIAN SYLLABICS NUNAVUT H	15AB	ᑆ	CANADIAN SYLLABICS TH-CREE THOO
157D	ᑇ	CANADIAN SYLLABICS HK	15AC	ᑇ	CANADIAN SYLLABICS TH-CREE THA
		• Algonquian	15AD	ᑈ	CANADIAN SYLLABICS TH-CREE THAA
157E	ᑈ	CANADIAN SYLLABICS QAAI	15AE	ᑉ	CANADIAN SYLLABICS TH-CREE TH
		• Inuktitut	15AF	ᑊ	CANADIAN SYLLABICS AVILIK B
157F	ᑉ	CANADIAN SYLLABICS QI	15B0	ᑋ	CANADIAN SYLLABICS BLACKFOOT E
1580	ᑊ	CANADIAN SYLLABICS QII	15B1	ᑌ	CANADIAN SYLLABICS BLACKFOOT I
1581	ᑋ	CANADIAN SYLLABICS QO	15B2	ᑍ	CANADIAN SYLLABICS BLACKFOOT O
		• Inuktitut (QU)	15B3	ᑎ	CANADIAN SYLLABICS BLACKFOOT A
1582	ᑌ	CANADIAN SYLLABICS QOO	15B4	ᑏ	CANADIAN SYLLABICS BLACKFOOT WE
		• Inuktitut (QUU)	15B5	ᑐ	CANADIAN SYLLABICS BLACKFOOT WI
1583	ᑍ	CANADIAN SYLLABICS QA	15B6	ᑑ	CANADIAN SYLLABICS BLACKFOOT WO
1584	ᑎ	CANADIAN SYLLABICS QAA	15B7	ᑒ	CANADIAN SYLLABICS BLACKFOOT WA
1585	ᑏ	CANADIAN SYLLABICS Q	15B8	ᑓ	CANADIAN SYLLABICS BLACKFOOT NE
1586	ᑐ	CANADIAN SYLLABICS TLHE	15B9	ᑔ	CANADIAN SYLLABICS BLACKFOOT NI
		• Sayisi (KLE)	15BA	ᑕ	CANADIAN SYLLABICS BLACKFOOT NO
1587	ᑑ	CANADIAN SYLLABICS TLHI	15BB	ᑖ	CANADIAN SYLLABICS BLACKFOOT NA
		• Sayisi (KLI)	15BC	ᑗ	CANADIAN SYLLABICS BLACKFOOT KE
1588	ᑒ	CANADIAN SYLLABICS TLHO	15BD	ᑘ	CANADIAN SYLLABICS BLACKFOOT KI
		• Sayisi (KLU)	15BE	ᑙ	CANADIAN SYLLABICS BLACKFOOT KO
1589	ᑓ	CANADIAN SYLLABICS TLHA	15BF	ᑚ	CANADIAN SYLLABICS BLACKFOOT KA
		• Sayisi (KLA)	15C0	ᑛ	CANADIAN SYLLABICS SAYISI HE
158A	ᑔ	CANADIAN SYLLABICS WEST-CREE RE	15C1	ᑜ	CANADIAN SYLLABICS SAYISI HI
158B	ᑕ	CANADIAN SYLLABICS WEST-CREE RI	15C2	ᑝ	CANADIAN SYLLABICS SAYISI HO
158C	ᑖ	CANADIAN SYLLABICS WEST-CREE RO			• Sayisi (HU)
158D	ᑗ	CANADIAN SYLLABICS WEST-CREE RA	15C3	ᑞ	CANADIAN SYLLABICS SAYISI HA
158E	ᑘ	CANADIAN SYLLABICS NGAAI	15C4	ᑟ	CANADIAN SYLLABICS CARRIER GHU
		• Inuktitut	15C5	ᑠ	CANADIAN SYLLABICS CARRIER GHO
158F	ᑙ	CANADIAN SYLLABICS NGI	15C6	ᑡ	CANADIAN SYLLABICS CARRIER GHE
1590	ᑚ	CANADIAN SYLLABICS NGII	15C7	ᑢ	CANADIAN SYLLABICS CARRIER GHEE
1591	ᑛ	CANADIAN SYLLABICS NGO	15C8	ᑣ	CANADIAN SYLLABICS CARRIER GHI
		• Inuktitut (NGU)	15C9	ᑤ	CANADIAN SYLLABICS CARRIER GHA
1592	ᑜ	CANADIAN SYLLABICS NGOO	15CA	ᑥ	CANADIAN SYLLABICS CARRIER RU
		• Inuktitut (NGUU)	15CB	ᑦ	CANADIAN SYLLABICS CARRIER RO
1593	ᑝ	CANADIAN SYLLABICS NGA	15CC	ᑧ	CANADIAN SYLLABICS CARRIER RE
1594	ᑞ	CANADIAN SYLLABICS NGAA	15CD	ᑨ	CANADIAN SYLLABICS CARRIER REE
1595	ᑟ	CANADIAN SYLLABICS NG	15CE	ᑩ	CANADIAN SYLLABICS CARRIER RI
1596	ᑠ	CANADIAN SYLLABICS NNG	15CF	ᑪ	CANADIAN SYLLABICS CARRIER RA
1597	ᑡ	CANADIAN SYLLABICS SAYISI SHE	15D0	ᑬ	CANADIAN SYLLABICS CARRIER WU
1598	ᑢ	CANADIAN SYLLABICS SAYISI SHI	15D1	ᑭ	CANADIAN SYLLABICS CARRIER WO
1599	ᑣ	CANADIAN SYLLABICS SAYISI SHO	15D2	ᑮ	CANADIAN SYLLABICS CARRIER WE
		• Sayisi (SHU)	15D3	ᑯ	CANADIAN SYLLABICS CARRIER WEE
159A	ᑤ	CANADIAN SYLLABICS SAYISI SHA	15D4	ᑰ	CANADIAN SYLLABICS CARRIER WI
159B	ᑥ	CANADIAN SYLLABICS WOODS-CREE THE	15D5	ᑱ	CANADIAN SYLLABICS CARRIER WA
159C	ᑦ	CANADIAN SYLLABICS WOODS-CREE THI	15D6	ᑲ	CANADIAN SYLLABICS CARRIER HWU
159D	ᑧ	CANADIAN SYLLABICS WOODS-CREE THO	15D7	ᑳ	CANADIAN SYLLABICS CARRIER HWO
159E	ᑨ	CANADIAN SYLLABICS WOODS-CREE THA	15D8	ᑴ	CANADIAN SYLLABICS CARRIER HWE
159F	ᑩ	CANADIAN SYLLABICS WOODS-CREE TH	15D9	ᑵ	CANADIAN SYLLABICS CARRIER HWEE
15A0	ᑪ	CANADIAN SYLLABICS LHI	15DA	ᑶ	CANADIAN SYLLABICS CARRIER HWI
15A1	ᑫ	CANADIAN SYLLABICS LHII	15DB	ᑷ	CANADIAN SYLLABICS CARRIER HWA
15A2	ᑬ	CANADIAN SYLLABICS LHO	15DC	ᑸ	CANADIAN SYLLABICS CARRIER THU
		• Inuktitut (LHU)	15DD	ᑹ	CANADIAN SYLLABICS CARRIER THO
15A3	ᑭ	CANADIAN SYLLABICS LHOO	15DE	ᑺ	CANADIAN SYLLABICS CARRIER THE
		• Inuktitut (LHUU)	15DF	ᑻ	CANADIAN SYLLABICS CARRIER THEE
15A4	ᑮ	CANADIAN SYLLABICS LHA	15E0	ᑼ	CANADIAN SYLLABICS CARRIER THI
15A5	ᑯ	CANADIAN SYLLABICS LHAA	15E1	ᑽ	CANADIAN SYLLABICS CARRIER THA
15A6	ᑰ	CANADIAN SYLLABICS LH	15E2	ᑾ	CANADIAN SYLLABICS CARRIER TTU
15A7	ᑱ	CANADIAN SYLLABICS TH-CREE THE	15E3	ᑿ	CANADIAN SYLLABICS CARRIER TTO

15E4	ᑄ	CANADIAN SYLLABICS CARRIER TTE	161B	ᑄ	CANADIAN SYLLABICS CARRIER JA • Athapascan (ZI), Sayisi (TZI), South Slavey (DHI)
15E5	ᑅ	CANADIAN SYLLABICS CARRIER TTEE	161C	ᑆ	CANADIAN SYLLABICS CARRIER JJU
15E6	ᑆ	CANADIAN SYLLABICS CARRIER TTI	161D	ᑇ	CANADIAN SYLLABICS CARRIER JJO
15E7	ᑇ	CANADIAN SYLLABICS CARRIER TTA	161E	ᑈ	CANADIAN SYLLABICS CARRIER JJE
15E8	ᑈ	CANADIAN SYLLABICS CARRIER PU	161F	ᑉ	CANADIAN SYLLABICS CARRIER JEE
15E9	ᑉ	CANADIAN SYLLABICS CARRIER PO	1620	ᑊ	CANADIAN SYLLABICS CARRIER JJI
15EA	ᑊ	CANADIAN SYLLABICS CARRIER PE	1621	ᑋ	CANADIAN SYLLABICS CARRIER JJA
15EB	ᑋ	CANADIAN SYLLABICS CARRIER PEE	1622	ᑌ	CANADIAN SYLLABICS CARRIER LU
15EC	ᑌ	CANADIAN SYLLABICS CARRIER PI	1623	ᑍ	CANADIAN SYLLABICS CARRIER LO
15ED	ᑍ	CANADIAN SYLLABICS CARRIER PA	1624	ᑎ	CANADIAN SYLLABICS CARRIER LE
15EE	ᑎ	CANADIAN SYLLABICS CARRIER P	1625	ᑏ	CANADIAN SYLLABICS CARRIER LEE
15EF	ᑏ	CANADIAN SYLLABICS CARRIER GU	1626	ᑐ	CANADIAN SYLLABICS CARRIER LI
15F0	ᑐ	CANADIAN SYLLABICS CARRIER GO	1627	ᑑ	CANADIAN SYLLABICS CARRIER LA
15F1	ᑑ	CANADIAN SYLLABICS CARRIER GE	1628	ᑒ	CANADIAN SYLLABICS CARRIER DLU
15F2	ᑒ	CANADIAN SYLLABICS CARRIER GEE	1629	ᑓ	CANADIAN SYLLABICS CARRIER DLO
15F3	ᑓ	CANADIAN SYLLABICS CARRIER GI	162A	ᑔ	CANADIAN SYLLABICS CARRIER DLE
15F4	ᑔ	CANADIAN SYLLABICS CARRIER GA	162B	ᑕ	CANADIAN SYLLABICS CARRIER DLEE
15F5	ᑕ	CANADIAN SYLLABICS CARRIER KHU	162C	ᑖ	CANADIAN SYLLABICS CARRIER DLI
15F6	ᑖ	CANADIAN SYLLABICS CARRIER KHO	162D	ᑗ	CANADIAN SYLLABICS CARRIER DLA
15F7	ᑗ	CANADIAN SYLLABICS CARRIER KHE	162E	ᑘ	CANADIAN SYLLABICS CARRIER LHU
15F8	ᑘ	CANADIAN SYLLABICS CARRIER KHEE	162F	ᑙ	CANADIAN SYLLABICS CARRIER LHO
15F9	ᑙ	CANADIAN SYLLABICS CARRIER KHI	1630	ᑚ	CANADIAN SYLLABICS CARRIER LHE
15FA	ᑚ	CANADIAN SYLLABICS CARRIER KHA	1631	ᑛ	CANADIAN SYLLABICS CARRIER LHEE
15FB	ᑛ	CANADIAN SYLLABICS CARRIER KKU	1632	ᑜ	CANADIAN SYLLABICS CARRIER LHI
15FC	ᑜ	CANADIAN SYLLABICS CARRIER KKO	1633	ᑝ	CANADIAN SYLLABICS CARRIER LHA
15FD	ᑝ	CANADIAN SYLLABICS CARRIER KKE	1634	ᑞ	CANADIAN SYLLABICS CARRIER TLHU
15FE	ᑞ	CANADIAN SYLLABICS CARRIER KKEE	1635	ᑟ	CANADIAN SYLLABICS CARRIER TLHO
15FF	ᑟ	CANADIAN SYLLABICS CARRIER KKI	1636	ᑠ	CANADIAN SYLLABICS CARRIER TLHE
1600	ᑠ	CANADIAN SYLLABICS CARRIER KKA	1637	ᑡ	CANADIAN SYLLABICS CARRIER TLHEE
1601	ᑡ	CANADIAN SYLLABICS CARRIER KK	1638	ᑢ	CANADIAN SYLLABICS CARRIER TLHI
1602	ᑢ	CANADIAN SYLLABICS CARRIER NU	1639	ᑣ	CANADIAN SYLLABICS CARRIER TLHA
1603	ᑣ	CANADIAN SYLLABICS CARRIER NO	163A	ᑤ	CANADIAN SYLLABICS CARRIER TLU
1604	ᑤ	CANADIAN SYLLABICS CARRIER NE	163B	ᑥ	CANADIAN SYLLABICS CARRIER TLO
1605	ᑥ	CANADIAN SYLLABICS CARRIER NEE	163C	ᑦ	CANADIAN SYLLABICS CARRIER TLE
1606	ᑦ	CANADIAN SYLLABICS CARRIER NI	163D	ᑧ	CANADIAN SYLLABICS CARRIER TLEE
1607	ᑧ	CANADIAN SYLLABICS CARRIER NA	163E	ᑨ	CANADIAN SYLLABICS CARRIER TLI
1608	ᑨ	CANADIAN SYLLABICS CARRIER MU	163F	ᑩ	CANADIAN SYLLABICS CARRIER TLA
1609	ᑩ	CANADIAN SYLLABICS CARRIER MO	1640	ᑪ	CANADIAN SYLLABICS CARRIER ZU
160A	ᑪ	CANADIAN SYLLABICS CARRIER ME	1641	ᑫ	CANADIAN SYLLABICS CARRIER ZO
160B	ᑫ	CANADIAN SYLLABICS CARRIER MEE	1642	ᑬ	CANADIAN SYLLABICS CARRIER ZE
160C	ᑬ	CANADIAN SYLLABICS CARRIER MI	1643	ᑭ	CANADIAN SYLLABICS CARRIER ZEE
160D	ᑭ	CANADIAN SYLLABICS CARRIER MA	1644	ᑮ	CANADIAN SYLLABICS CARRIER ZI
160E	ᑮ	CANADIAN SYLLABICS CARRIER YU	1645	ᑯ	CANADIAN SYLLABICS CARRIER ZA
160F	ᑯ	CANADIAN SYLLABICS CARRIER YO	1646	ᑰ	CANADIAN SYLLABICS CARRIER Z
1610	ᑰ	CANADIAN SYLLABICS CARRIER YE	1647	ᑱ	CANADIAN SYLLABICS CARRIER INITIAL Z
1611	ᑱ	CANADIAN SYLLABICS CARRIER YEE	1648	ᑲ	CANADIAN SYLLABICS CARRIER DZU
1612	ᑲ	CANADIAN SYLLABICS CARRIER YI	1649	ᑳ	CANADIAN SYLLABICS CARRIER DZO
1613	ᑳ	CANADIAN SYLLABICS CARRIER YA	164A	ᑴ	CANADIAN SYLLABICS CARRIER DZE
1614	ᑴ	CANADIAN SYLLABICS CARRIER JU • Athapascan (ZA), Sayisi (TZO), South Slavey (DHA)	164B	ᑵ	CANADIAN SYLLABICS CARRIER DZEE
1615	ᑵ	CANADIAN SYLLABICS SAYISI JU • Athapascan (ZO), Sayisi (TZU), South Slavey (DHO)	164C	ᑶ	CANADIAN SYLLABICS CARRIER DZI
1616	ᑶ	CANADIAN SYLLABICS CARRIER JO	164D	ᑷ	CANADIAN SYLLABICS CARRIER DZA
1617	ᑷ	CANADIAN SYLLABICS CARRIER JE	164E	ᑸ	CANADIAN SYLLABICS CARRIER SU
1618	ᑸ	CANADIAN SYLLABICS CARRIER JEE	164F	ᑹ	CANADIAN SYLLABICS CARRIER SO
1619	ᑹ	CANADIAN SYLLABICS CARRIER JI	1650	ᑺ	CANADIAN SYLLABICS CARRIER SE
161A	ᑺ	CANADIAN SYLLABICS SAYISI JI • Athapascan (ZE), Sayisi (TZE), South Slavey (DHE)	1651	ᑻ	CANADIAN SYLLABICS CARRIER SEE
			1652	ᑼ	CANADIAN SYLLABICS CARRIER SI
			1653	ᑽ	CANADIAN SYLLABICS CARRIER SA
			1654	ᑾ	CANADIAN SYLLABICS CARRIER SHU
			1655	ᑿ	CANADIAN SYLLABICS CARRIER SHO
			1656	ᑿ	CANADIAN SYLLABICS CARRIER SHE

1657	ᑭ	CANADIAN SYLLABICS CARRIER SHEE
1658	ᑭ	CANADIAN SYLLABICS CARRIER SHI
1659	ᑭ	CANADIAN SYLLABICS CARRIER SHA
165A	ᑭ	CANADIAN SYLLABICS CARRIER SH
165B	ᑭ	CANADIAN SYLLABICS CARRIER TSU
165C	ᑭ	CANADIAN SYLLABICS CARRIER TSO
165D	ᑭ	CANADIAN SYLLABICS CARRIER TSE
165E	ᑭ	CANADIAN SYLLABICS CARRIER TSEE
165F	ᑭ	CANADIAN SYLLABICS CARRIER TSI
1660	ᑭ	CANADIAN SYLLABICS CARRIER TSA
1661	ᑭ	CANADIAN SYLLABICS CARRIER CHU
1662	ᑭ	CANADIAN SYLLABICS CARRIER CHO
1663	ᑭ	CANADIAN SYLLABICS CARRIER CHE
1664	ᑭ	CANADIAN SYLLABICS CARRIER CHEE
1665	ᑭ	CANADIAN SYLLABICS CARRIER CHI
1666	ᑭ	CANADIAN SYLLABICS CARRIER CHA
1667	ᑭ	CANADIAN SYLLABICS CARRIER TTSU
1668	ᑭ	CANADIAN SYLLABICS CARRIER TTSO
1669	ᑭ	CANADIAN SYLLABICS CARRIER TTSE
166A	ᑭ	CANADIAN SYLLABICS CARRIER TTSEE
166B	ᑭ	CANADIAN SYLLABICS CARRIER TTSI
166C	ᑭ	CANADIAN SYLLABICS CARRIER TTSA

**Symbol**

































166D	×	CANADIAN SYLLABICS CHI SIGN
		• Algonquian
		• used as a symbol to denote Christ
		→ 2627 𐄎 chi rho

**Punctuation**

166E	×	CANADIAN SYLLABICS FULL STOP
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**Syllables**

166F	ᑭ	CANADIAN SYLLABICS QAI
1670	ᑭ	CANADIAN SYLLABICS NGAI
1671	ᑭ	CANADIAN SYLLABICS NNGI
1672	ᑭ	CANADIAN SYLLABICS NNGII
1673	ᑭ	CANADIAN SYLLABICS NNGO
		• Inuktitut (NNGU)
1674	ᑭ	CANADIAN SYLLABICS NNGOO
		• Inuktitut (NNGUU)
1675	ᑭ	CANADIAN SYLLABICS NNGA
1676	ᑭ	CANADIAN SYLLABICS NNGAA
1677	ᑭ	CANADIAN SYLLABICS WOODS-CREE THWEE
1678	ᑭ	CANADIAN SYLLABICS WOODS-CREE THWI
1679	ᑭ	CANADIAN SYLLABICS WOODS-CREE THWII
167A	ᑭ	CANADIAN SYLLABICS WOODS-CREE THWO
167B	ᑭ	CANADIAN SYLLABICS WOODS-CREE THWOO
167C	ᑭ	CANADIAN SYLLABICS WOODS-CREE THWA
167D	ᑭ	CANADIAN SYLLABICS WOODS-CREE THWAA
167E	+	CANADIAN SYLLABICS WOODS-CREE FINAL TH
167F	=	CANADIAN SYLLABICS BLACKFOOT W





















	168	169
0	 1680	 1690
1	 1681	 1691
2	 1682	 1692
3	 1683	 1693
4	 1684	 1694
5	 1685	 1695
6	 1686	 1696
7	 1687	 1697
8	 1688	 1698
9	 1689	 1699
A	 168A	 169A
B	 168B	 169B
C	 168C	 169C
D	 168D	
E	 168E	
F	 168F	

An Ogham font typically displays all Ogham characters with a visible stemline, representing the edge of monumental Ogham inscriptions.







#### Punctuation

- 1680  OGHAM SPACE MARK  
 • glyph is blank in “stemless” style fonts  
 → 0020  space



#### Traditional letters

































































































- 1681  OGHAM LETTER BEITH  
 1682  OGHAM LETTER LUIS  
 1683  OGHAM LETTER FEARN  
 1684  OGHAM LETTER SAIL  
 1685  OGHAM LETTER NION  
 1686  OGHAM LETTER UATH  
 1687  OGHAM LETTER DAIR  
 1688  OGHAM LETTER TINNE  
 1689  OGHAM LETTER COLL  
 168A  OGHAM LETTER CEIRT  
 168B  OGHAM LETTER MUIN  
 168C  OGHAM LETTER GORT  
 168D  OGHAM LETTER NGEADAL  
 168E  OGHAM LETTER STRAIF  
 168F  OGHAM LETTER RUIS  
 1690  OGHAM LETTER AILM  
 1691  OGHAM LETTER ONN  
 1692  OGHAM LETTER UR  
 1693  OGHAM LETTER EADHADH  
 1694  OGHAM LETTER IODHADH

#### Forfeda (supplementary letters)

- 1695  OGHAM LETTER EABHADH  
 1696  OGHAM LETTER OR  
 1697  OGHAM LETTER UILLEANN  
 1698  OGHAM LETTER IFIN  
 1699  OGHAM LETTER EAMHANCHOLL  
 169A  OGHAM LETTER PEITH

#### Punctuation

- 169B  OGHAM FEATHER MARK  
 • marks beginning of Ogham text  
 169C  OGHAM REVERSED FEATHER MARK  
 • marks end of Ogham text

	16A	16B	16C	16D	16E	16F
0	 16A0	 16B0	 16C0	 16D0	 16E0	 16F0
1	 16A1	 16B1	 16C1	 16D1	 16E1	
2	 16A2	 16B2	 16C2	 16D2	 16E2	
3	 16A3	 16B3	 16C3	 16D3	 16E3	
4	 16A4	 16B4	 16C4	 16D4	 16E4	
5	 16A5	 16B5	 16C5	 16D5	 16E5	
6	 16A6	 16B6	 16C6	 16D6	 16E6	
7	 16A7	 16B7	 16C7	 16D7	 16E7	
8	 16A8	 16B8	 16C8	 16D8	 16E8	
9	 16A9	 16B9	 16C9	 16D9	 16E9	
A	 16AA	 16BA	 16CA	 16DA	 16EA	
B	 16AB	 16BB	 16CB	 16DB	 16EB	
C	 16AC	 16BC	 16CC	 16DC	 16EC	
D	 16AD	 16BD	 16CD	 16DD	 16ED	
E	 16AE	 16BE	 16CE	 16DE	 16EE	
F	 16AF	 16BF	 16CF	 16DF	 16EF	



**Letters**

16A0	ƿ	RUNIC LETTER FEHU FEH FE F
16A1	ƿ	RUNIC LETTER V
16A2	ᚱ	RUNIC LETTER URUZ UR U
16A3	ᚷ	RUNIC LETTER YR
16A4	ᚹ	RUNIC LETTER Y
16A5	ᚻ	RUNIC LETTER W
16A6	ᚿ	RUNIC LETTER THURISAZ THURS THORN → 00FE ᚿ latin small letter thorn
16A7	ᛀ	RUNIC LETTER ETH
16A8	ᛁ	RUNIC LETTER ANSUZ A
16A9	ᛂ	RUNIC LETTER OS O
16AA	ᛃ	RUNIC LETTER AC A
16AB	ᛄ	RUNIC LETTER AESC
16AC	ᛅ	RUNIC LETTER LONG-BRANCH-OSS O
16AD	ᛆ	RUNIC LETTER SHORT-TWIG-OSS O
16AE	ᛇ	RUNIC LETTER O
16AF	ᛈ	RUNIC LETTER OE
16B0	ᛉ	RUNIC LETTER ON
16B1	ᚱ	RUNIC LETTER RAIDO RAD REID R
16B2	ᚳ	RUNIC LETTER KAUNA
16B3	ᚴ	RUNIC LETTER CEN
16B4	ᚵ	RUNIC LETTER KAUN K
16B5	ᚶ	RUNIC LETTER G
16B6	ᚷ	RUNIC LETTER ENG
16B7	ᚸ	RUNIC LETTER GEBO GYFU G
16B8	ᚹ	RUNIC LETTER GAR
16B9	ᚺ	RUNIC LETTER WUNJO WYNN W → 01BF ᚺ latin letter wynn
16BA	ᚻ	RUNIC LETTER HAGLAZ H
16BB	ᚼ	RUNIC LETTER HA EGL H
16BC	ᚾ	RUNIC LETTER LONG-BRANCH-HAGALL H
16BD	ᚿ	RUNIC LETTER SHORT-TWIG-HAGALL H
16BE	ᛀ	RUNIC LETTER NAUDIZ NYD NAUD N
16BF	ᛁ	RUNIC LETTER SHORT-TWIG-NAUD N
16C0	ᛂ	RUNIC LETTER DOTTED-N
16C1	ᛃ	RUNIC LETTER ISAZ IS ISS I
16C2	ᛄ	RUNIC LETTER E
16C3	ᛅ	RUNIC LETTER JERAN J
16C4	ᛆ	RUNIC LETTER GER
16C5	ᛇ	RUNIC LETTER LONG-BRANCH-AR AE
16C6	ᛈ	RUNIC LETTER SHORT-TWIG-AR A
16C7	ᛉ	RUNIC LETTER IWAZ EOH
16C8	ᛊ	RUNIC LETTER PERTHO PEORTH P
16C9	ᛋ	RUNIC LETTER ALGIZ EOLHX
16CA	ᛌ	RUNIC LETTER SOWILO S
16CB	ᛍ	RUNIC LETTER SIGEL LONG-BRANCH-SOL S
16CC	ᛎ	RUNIC LETTER SHORT-TWIG-SOL S
16CD	ᛏ	RUNIC LETTER C
16CE	ᛐ	RUNIC LETTER Z
16CF	ᛑ	RUNIC LETTER TIWAZ TIR TYR T
16D0	ᛒ	RUNIC LETTER SHORT-TWIG-TYR T
16D1	ᛓ	RUNIC LETTER D
16D2	ᛔ	RUNIC LETTER BERKANAN BEORC BJARKAN B
16D3	ᛕ	RUNIC LETTER SHORT-TWIG-BJARKAN B
16D4	ᛖ	RUNIC LETTER DOTTED-P
16D5	ᛗ	RUNIC LETTER OPEN-P
16D6	ᛘ	RUNIC LETTER EHWAZ EH E
16D7	ᛙ	RUNIC LETTER MANNAZ MAN M
16D8	ᛚ	RUNIC LETTER LONG-BRANCH-MADR M
16D9	ᛛ	RUNIC LETTER SHORT-TWIG-MADR M

































16DA	ᛜ	RUNIC LETTER LAUKAZ LAGU LOGR L
16DB	ᛝ	RUNIC LETTER DOTTED-L
16DC	ᛞ	RUNIC LETTER INGWAZ
16DD	ᛟ	RUNIC LETTER ING
16DE	ᛠ	RUNIC LETTER DAGAZ DAEG D
16DF	ᛡ	RUNIC LETTER OTHALAN ETHEL O
16E0	ᛢ	RUNIC LETTER EAR
16E1	ᛣ	RUNIC LETTER IOR
16E2	ᛤ	RUNIC LETTER CWEORTH
16E3	ᛥ	RUNIC LETTER CALC
16E4	ᛦ	RUNIC LETTER CEALC
16E5	ᛧ	RUNIC LETTER STAN
16E6	ᛨ	RUNIC LETTER LONG-BRANCH-YR
16E7	ᛩ	RUNIC LETTER SHORT-TWIG-YR
16E8	ᛪ	RUNIC LETTER ICELANDIC-YR
16E9	᛫	RUNIC LETTER Q
16EA	᛬	RUNIC LETTER X

**Punctuation**




16EB	·	RUNIC SINGLE PUNCTUATION
16EC	:	RUNIC MULTIPLE PUNCTUATION
16ED	+	RUNIC CROSS PUNCTUATION

**Golden number runes**
















16EE	†	RUNIC ARLAUG SYMBOL • golden number 17
16EF	‡	RUNIC TVIMADUR SYMBOL • golden number 18
16F0	ϕ	RUNIC BELGTHOR SYMBOL • golden number 19

	170	171
0	 1700	 1710
1	 1701	 1711
2	 1702	 1712
3	 1703	 1713
4	 1704	 1714
5	 1705	
6	 1706	
7	 1707	
8	 1708	
9	 1709	
A	 170A	
B	 170B	
C	 170C	
D		
E	 170E	
F	 170F	



**Independent vowels**

- 1700  TAGALOG LETTER A
- 1701  TAGALOG LETTER I
- 1702  TAGALOG LETTER U

**Consonants**
























- 1703  TAGALOG LETTER KA
- 1704  TAGALOG LETTER GA
- 1705  TAGALOG LETTER NGA
- 1706  TAGALOG LETTER TA
- 1707  TAGALOG LETTER DA
- 1708  TAGALOG LETTER NA
- 1709  TAGALOG LETTER PA
- 170A  TAGALOG LETTER BA
- 170B  TAGALOG LETTER MA
- 170C  TAGALOG LETTER YA
- 170D  <reserved>
- 170E  TAGALOG LETTER LA
- 170F  TAGALOG LETTER WA
- 1710  TAGALOG LETTER SA
- 1711  TAGALOG LETTER HA

**Dependent vowel signs**




- 1712  TAGALOG VOWEL SIGN I
- 1713  TAGALOG VOWEL SIGN U

**Virama**
















- 1714  TAGALOG SIGN VIRAMA

	172	173
0	 1720	 1730
1	 1721	 1731
2	 1722	 1732
3	 1723	 1733
4	 1724	 1734
5	 1725	 1735
6	 1726	 1736
7	 1727	
8	 1728	
9	 1729	
A	 172A	
B	 172B	
C	 172C	
D	 172D	
E	 172E	
F	 172F	



**Independent vowels**

- 1720  HANUNOO LETTER A
- 1721  HANUNOO LETTER I
- 1722  HANUNOO LETTER U

**Consonants**

- 1723  HANUNOO LETTER KA
- 1724  HANUNOO LETTER GA
- 1725  HANUNOO LETTER NGA
- 1726  HANUNOO LETTER TA
- 1727  HANUNOO LETTER DA
- 1728  HANUNOO LETTER NA
- 1729  HANUNOO LETTER PA
- 172A  HANUNOO LETTER BA
- 172B  HANUNOO LETTER MA
- 172C  HANUNOO LETTER YA
- 172D  HANUNOO LETTER RA
- 172E  HANUNOO LETTER LA
- 172F  HANUNOO LETTER WA
- 1730  HANUNOO LETTER SA
- 1731  HANUNOO LETTER HA



**Dependent vowel signs**






















- 1732  HANUNOO VOWEL SIGN I
- 1733  HANUNOO VOWEL SIGN U

**Virama**




- 1734  HANUNOO SIGN PAMUDPOD

**Generic punctuation for Philippine scripts**
















- 1735  PHILIPPINE SINGLE PUNCTUATION  
→ 0964 | devanagari danda
- 1736  PHILIPPINE DOUBLE PUNCTUATION  
→ 0965 || devanagari double danda

	174	175
0	 1740	 1750
1	 1741	 1751
2	 1742	 1752
3	 1743	 1753
4	 1744	
5	 1745	
6	 1746	
7	 1747	
8	 1748	
9	 1749	
A	 174A	
B	 174B	
C	 174C	
D	 174D	
E	 174E	
F	 174F	



**Independent vowels**

































- 1740  BUHID LETTER A
- 1741  BUHID LETTER I
- 1742  BUHID LETTER U

**Consonants**




- 1743  BUHID LETTER KA
- 1744  BUHID LETTER GA
- 1745  BUHID LETTER NGA
- 1746  BUHID LETTER TA
- 1747  BUHID LETTER DA
- 1748  BUHID LETTER NA
- 1749  BUHID LETTER PA
- 174A  BUHID LETTER BA
- 174B  BUHID LETTER MA
- 174C  BUHID LETTER YA
- 174D  BUHID LETTER RA
- 174E  BUHID LETTER LA
- 174F  BUHID LETTER WA
- 1750  BUHID LETTER SA
- 1751  BUHID LETTER HA

**Dependent vowel signs**















- 1752  BUHID VOWEL SIGN I
- 1753  BUHID VOWEL SIGN U

	176	177
0	 1760	 1770
1	 1761	
2	 1762	 1772
3	 1763	 1773
4	 1764	
5	 1765	
6	 1766	
7	 1767	
8	 1768	
9	 1769	
A	 176A	
B	 176B	
C	 176C	
D		
E	 176E	
F	 176F	



**Independent vowels**

- 1760  TAGBANWA LETTER A  
 1761  TAGBANWA LETTER I  
 1762  TAGBANWA LETTER U

**Consonants**

- 1763  TAGBANWA LETTER KA  
 1764  TAGBANWA LETTER GA  
 1765  TAGBANWA LETTER NGA  
 1766  TAGBANWA LETTER TA  
 1767  TAGBANWA LETTER DA  
 1768  TAGBANWA LETTER NA  
 1769  TAGBANWA LETTER PA  
 176A  TAGBANWA LETTER BA  
 176B  TAGBANWA LETTER MA  
 176C  TAGBANWA LETTER YA  
 176D  <reserved>  
 176E  TAGBANWA LETTER LA  
 176F  TAGBANWA LETTER WA  
 1770  TAGBANWA LETTER SA

**Dependent vowel signs**

- 1772  TAGBANWA VOWEL SIGN I  
 1773  TAGBANWA VOWEL SIGN U

	178	179	17A	17B	17C	17D	17E	17F
0	ក 1780	ថ 1790	ហ 17A0	ញ 17B0	ៀ 17C0	្ក 17D0	័ 17E0	្ក 17F0
1	ខ 1781	ទ 1791	ឡ 17A1	ឌ 17B1	្ក 17C1	្ក 17D1	៑ 17E1	្ក 17F1
2	គ 1782	ធ 1792	អ 17A2	ច 17B2	្ក 17C2	្ក 17D2	្ 17E2	្ក 17F2
3	ឃ 1783	ន 1793	អ 17A3	ឆ 17B3	្ក 17C3	្ក 17D3	៓ 17E3	្ក 17F3
4	ង 1784	ប 1794	កា 17A4	KIV AQ 17B4	្ក 17C4	្ក 17D4	។ 17E4	្ក 17F4
5	ច 1785	ជ 1795	ត 17A5	KIV AA 17B5	្ក 17C5	្ក 17D5	៕ 17E5	្ក 17F5
6	ឆ 1786	ព 1796	ឡ 17A6	្ក 17B6	្ក 17C6	្ក 17D6	៖ 17E6	្ក 17F6
7	ជ 1787	ភ 1797	ខ 17A7	្ក 17B7	្ក 17C7	្ក 17D7	ៗ 17E7	្ក 17F7
8	ឃ 1788	ម 1798	ឌ 17A8	្ក 17B8	្ក 17C8	្ក 17D8	៘ 17E8	្ក 17F8
9	ញ 1789	យ 1799	ឌ 17A9	្ក 17B9	្ក 17C9	្ក 17D9	៙ 17E9	្ក 17F9
A	ដ 178A	រ 179A	ឌ 17AA	្ក 17BA	្ក 17CA	្ក 17DA		
B	ថ 178B	ល 179B	ប្រ 17AB	្ក 17BB	្ក 17CB	្ក 17DB		
C	ខ 178C	រ 179C	ប្រ 17AC	្ក 17BC	្ក 17CC	្ក 17DC		
D	ឆ 178D	គ 179D	ព 17AD	្ក 17BD	្ក 17CD	្ក 17DD		
E	ណ 178E	ថ 179E	ញ 17AE	្ក 17BE	្ក 17CE			
F	ត 178F	ស 179F	ង 17AF	្ក 17BF	្ក 17CF			

**Consonants**

1780	ក	KHMER LETTER KA
1781	ខ	KHMER LETTER KHA
1782	គ	KHMER LETTER KO
1783	ឃ	KHMER LETTER KHO
1784	ង	KHMER LETTER NGO
1785	ច	KHMER LETTER CA
1786	ឆ	KHMER LETTER CHA
1787	ជ	KHMER LETTER CO
1788	ឈ	KHMER LETTER CHO
1789	ញ	KHMER LETTER NYO
178A	ដ	KHMER LETTER DA
178B	ប	KHMER LETTER TTHA
178C	ឌ	KHMER LETTER DO
178D	ឍ	KHMER LETTER TTHO
178E	ណ	KHMER LETTER NNO
		• as this character belongs to the first register, its correct transliteration is nna, not nno
178F	ត	KHMER LETTER TA
1790	ថ	KHMER LETTER THA
1791	ទ	KHMER LETTER TO
1792	ធ	KHMER LETTER THO
1793	ណ	KHMER LETTER NO
1794	ប	KHMER LETTER BA
1795	ផ	KHMER LETTER PHA
1796	ព	KHMER LETTER PO
1797	ភ	KHMER LETTER PHO
1798	ម	KHMER LETTER MO
1799	យ	KHMER LETTER YO
179A	រ	KHMER LETTER RO
179B	ល	KHMER LETTER LO
179C	វ	KHMER LETTER VO
179D	ស	KHMER LETTER SHA
		• used only for Pali/Sanskrit transliteration
179E	ឝ	KHMER LETTER SSO
		• used only for Pali/Sanskrit transliteration
		• as this character belongs to the first register, its correct transliteration is ssa, not sso
179F	ស	KHMER LETTER SA
17A0	ហ	KHMER LETTER HA
17A1	ឡ	KHMER LETTER LA
17A2	អ	KHMER LETTER QA
		• glottal stop

**Deprecated independent vowels for transliteration**

*These cloned independent vowels were originally intended only for Pali/Sanskrit transliteration.*

17A3	អ	KHMER INDEPENDENT VOWEL QAQ
		• use of this character is strongly discouraged; 17A2 អ should be used instead
17A4	អា	KHMER INDEPENDENT VOWEL QAA
		• use of this character is strongly discouraged; the sequence 17A2 អ 17B6 ា should be used instead

**Independent vowels**

17A5	ត	KHMER INDEPENDENT VOWEL QI
17A6	ញ	KHMER INDEPENDENT VOWEL QII
17A7	ឌ	KHMER INDEPENDENT VOWEL QU
17A8	ឍ	KHMER INDEPENDENT VOWEL QUK
		• obsolete ligature for the sequence 17A7 ឌ 1780 ក
		• use of the sequence is now preferred

17A9	ឡ	KHMER INDEPENDENT VOWEL QUU
17AA	ឡ	KHMER INDEPENDENT VOWEL QUUUV
17AB	ឡ	KHMER INDEPENDENT VOWEL RY
17AC	ឡ	KHMER INDEPENDENT VOWEL RYY
17AD	ឡ	KHMER INDEPENDENT VOWEL LY
17AE	ឡ	KHMER INDEPENDENT VOWEL LYY
17AF	ឡ	KHMER INDEPENDENT VOWEL QE
17B0	ឡ	KHMER INDEPENDENT VOWEL QAI
17B1	ឡ	KHMER INDEPENDENT VOWEL QOO TYPE ONE
17B2	ឡ	KHMER INDEPENDENT VOWEL QOO TYPE TWO
		• this is a variant for 17B1 ឡ, used in only two words
		• 17B1 ឡ is the normal variant of this vowel
17B3	ឡ	KHMER INDEPENDENT VOWEL QAU

**Inherent vowels**

*These are for phonetic transcription to distinguish Indic language inherent vowels from Khmer inherent vowels. These characters are included solely for compatibility with particular applications; their use in other contexts is discouraged.*

17B4	𑄛	KHMER VOWEL INHERENT AQ
17B5	𑄜	KHMER VOWEL INHERENT AA

**Dependent vowel signs**

17B6	្ក	KHMER VOWEL SIGN AA
17B7	្ខ	KHMER VOWEL SIGN I
17B8	្គ	KHMER VOWEL SIGN II
17B9	្ឃ	KHMER VOWEL SIGN Y
17BA	្ង	KHMER VOWEL SIGN YY
17BB	្ច	KHMER VOWEL SIGN U
17BC	្ឆ	KHMER VOWEL SIGN UU
17BD	្ជ	KHMER VOWEL SIGN UA

**Two-part dependent vowel signs**

*These two-part dependent vowel signs have glyph pieces which stand on both sides of the consonant. These vowel signs follow the consonant in logical order, and should be handled as a unit for processing.*

17BE	្ឈ	KHMER VOWEL SIGN OE
17BF	្ញ	KHMER VOWEL SIGN YA
17C0	្ដ	KHMER VOWEL SIGN IE

**Dependent vowel signs**

17C1	្ឋ	KHMER VOWEL SIGN E
17C2	្ឌ	KHMER VOWEL SIGN AE
17C3	្ឍ	KHMER VOWEL SIGN AI

**Two-part dependent vowel signs**

*These two-part dependent vowel signs have glyph pieces which stand on both sides of the consonant. These vowel signs follow the consonant in logical order, and should be handled as a unit for processing.*

17C4	្ណ	KHMER VOWEL SIGN OO
17C5	្ត	KHMER VOWEL SIGN AU

**Various signs**

17C6	្ត	KHMER SIGN NIKAHIT
		= srak am
		= anusvara
		• final nasalization
		• this character is usually regarded as a vowel sign am, along with om and aam
		→ 0E4D ្ត thai character nikhahit
		→ 1036 ្ត myanmar sign anusvara

- 17C7 ័្រ KHMER SIGN REAHMUK  
= srak ah  
= visarga  
→ 1038 ័្រ myanmar sign visarga
- 17C8 ័្រ KHMER SIGN YUUKALEAPINTU  
• inserts a short inherent vowel with abrupt glottal stop  
• the preferred transliteration is yukaleapintu

**Consonant shifters**

*These signs shift the base consonant between registers.*

- 17C9 ័ KHMER SIGN MUUSIKATOAN  
• changes the second register to the first  
• the preferred transliteration is muusekatoan
- 17CA ័ KHMER SIGN TRIISAP  
• changes the first register to the second  
• the preferred transliteration is treisap

**Various signs**

- 17CB ័ KHMER SIGN BANTOC  
• shortens the vowel sound in the previous orthographic syllable  
• the preferred transliteration is bantak
- 17CC ័ KHMER SIGN ROBAT  
• a diacritic historically corresponding to the repha form of ra in Devanagari
- 17CD ័ KHMER SIGN TOANDAKHIAT  
• indicates that the base character is not pronounced
- 17CE ័ KHMER SIGN KAKABAT  
• sign used with some exclamations
- 17CF ័ KHMER SIGN AHSDA  
• denotes stressed intonation in some single-consonant words
- 17D0 ័ KHMER SIGN SAMYOK SANNYA  
• denotes deviation from the general rules of pronunciation, mostly used in loan words from Pali/Sanskrit, French, and so on
- 17D1 ័ KHMER SIGN VIRIAM  
• mostly obsolete, a “killer”  
• indicates that the base character is the final consonant of a word without its inherent vowel sound
- 17D2 ័ KHMER SIGN COENG  
• functions to indicate that the following Khmer letter is to be rendered subscripted  
• shape shown is arbitrary and is not visibly rendered

**Lunar date sign**

- 17D3 ័ KHMER SIGN BATHAMASAT  
• originally intended as part of lunar date symbols  
• use of this character is discouraged in favor of the complete set of lunar date symbols  
→ 19E0 ័ khmer symbol pathamasat

**Various signs**

- 17D4 ័ KHMER SIGN KHAN  
• functions as a full stop, period  
→ 0E2F ័ thai character paiyannoï  
→ 104A ័ myanmar sign little section
- 17D5 ័ KHMER SIGN BARIYOOSAN  
• indicates the end of a section or a text  
→ 0E5A ័ thai character angkankhu  
→ 104B ័ myanmar sign section

- 17D6 ័ KHMER SIGN CAMNUC PII KUUH  
• functions as colon  
• the preferred transliteration is camnoc pii kuuh  
→ 00F7 ័ division sign  
→ 0F14 ័ tibetan mark gter tsheg

- 17D7 ័ KHMER SIGN LEK TOO  
• repetition sign  
→ 0E46 ័ thai character maiyamok

- 17D8 ័ KHMER SIGN BEYYAL  
• et cetera  
• use of this character is discouraged; other abbreviations for et cetera also exist  
• preferred spelling: 17D4 ័ 179B ័ 17D4 ័

- 17D9 ័ KHMER SIGN PHNAEK MUAN  
• indicates the beginning of a book or a treatise  
• the preferred transliteration is phnek moan  
→ 0E4F ័ thai character fongman

- 17DA ័ KHMER SIGN KOOMUUT  
• indicates the end of a book or treatise  
• this forms a pair with 17D9 ័  
• the preferred transliteration is koomoot  
→ 0E5B ័ thai character khomut

**Currency symbol**

- 17DB ័ KHMER CURRENCY SYMBOL RIEL

**Various signs**

- 17DC ័ KHMER SIGN AVAKRAHASANYA  
• rare, shows an omitted Sanskrit vowel, like an apostrophe  
• the preferred transliteration is avakraha sannya  
→ 093D ័ devanagari sign avagraha
- 17DD ័ KHMER SIGN ATTHACAN  
• mostly obsolete  
• indicates that the base character is the final consonant of a word with its inherent vowel sound  
→ 17D1 ័ khmer sign viriam

**Digits**

- 17E0 ័ KHMER DIGIT ZERO
- 17E1 ័ KHMER DIGIT ONE
- 17E2 ័ KHMER DIGIT TWO
- 17E3 ័ KHMER DIGIT THREE
- 17E4 ័ KHMER DIGIT FOUR
- 17E5 ័ KHMER DIGIT FIVE
- 17E6 ័ KHMER DIGIT SIX
- 17E7 ័ KHMER DIGIT SEVEN
- 17E8 ័ KHMER DIGIT EIGHT
- 17E9 ័ KHMER DIGIT NINE

**Numeric symbols for divination lore**

*These characters have numeric values 0-9, respectively, but are not used for calculation.*

- 17F0 ័ KHMER SYMBOL LEK ATTAK SON
- 17F1 ័ KHMER SYMBOL LEK ATTAK MUOY
- 17F2 ័ KHMER SYMBOL LEK ATTAK PII
- 17F3 ័ KHMER SYMBOL LEK ATTAK BEI
- 17F4 ័ KHMER SYMBOL LEK ATTAK BUON
- 17F5 ័ KHMER SYMBOL LEK ATTAK PRAM
- 17F6 ័ KHMER SYMBOL LEK ATTAK PRAM-MUOY
- 17F7 ័ KHMER SYMBOL LEK ATTAK PRAM-PII
- 17F8 ័ KHMER SYMBOL LEK ATTAK PRAM-BEI
- 17F9 ័ KHMER SYMBOL LEK ATTAK PRAM-BUON



	180	181	182	183	184	185	186	187	188	189	18A
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

**Punctuation**

1800	᠎	MONGOLIAN BIRGA → 0F04 ᠎ tibetan mark initial yig mgo mdun ma
1801	⋮	MONGOLIAN ELLIPSIS
1802	⋯	MONGOLIAN COMMA
1803	⋮	MONGOLIAN FULL STOP
1804	⋯	MONGOLIAN COLON
1805	⋮	MONGOLIAN FOUR DOTS • marks the end of a chapter
1806	᠎	MONGOLIAN TODO SOFT HYPHEN • not a format control character, but simply a hyphen for Todo → 00AD ᠎ soft hyphen
1807	᠎	MONGOLIAN SIBE SYLLABLE BOUNDARY MARKER
1808	᠎	MONGOLIAN MANCHU COMMA
1809	᠎	MONGOLIAN MANCHU FULL STOP
180A	᠎	MONGOLIAN NIRUGU

**Format controls**

180B	᠎	MONGOLIAN FREE VARIATION SELECTOR ONE • abbreviated FVS1
180C	᠎	MONGOLIAN FREE VARIATION SELECTOR TWO • abbreviated FVS2
180D	᠎	MONGOLIAN FREE VARIATION SELECTOR THREE • abbreviated FVS3
180E	᠎	MONGOLIAN VOWEL SEPARATOR • abbreviated MVS

**Digits**

1810	᠐	MONGOLIAN DIGIT ZERO
1811	᠑	MONGOLIAN DIGIT ONE
1812	᠒	MONGOLIAN DIGIT TWO
1813	᠓	MONGOLIAN DIGIT THREE
1814	᠐	MONGOLIAN DIGIT FOUR
1815	᠑	MONGOLIAN DIGIT FIVE
1816	᠒	MONGOLIAN DIGIT SIX
1817	᠓	MONGOLIAN DIGIT SEVEN
1818	᠔	MONGOLIAN DIGIT EIGHT
1819	᠕	MONGOLIAN DIGIT NINE

**Basic letters**

1820	᠎	MONGOLIAN LETTER A → 0430 ᠎ cyrillic small letter a
1821	᠎	MONGOLIAN LETTER E → 044D ᠎ cyrillic small letter e
1822	᠎	MONGOLIAN LETTER I → 0438 ᠎ cyrillic small letter i
1823	᠎	MONGOLIAN LETTER O → 043E ᠎ cyrillic small letter o
1824	᠎	MONGOLIAN LETTER U → 0443 ᠎ cyrillic small letter u
1825	᠎	MONGOLIAN LETTER OE → 04E9 ᠎ cyrillic small letter barred o
1826	᠎	MONGOLIAN LETTER UE → 04AF ᠎ cyrillic small letter straight u
1827	᠎	MONGOLIAN LETTER EE
1828	᠎	MONGOLIAN LETTER NA → 043D ᠎ cyrillic small letter en
1829	᠎	MONGOLIAN LETTER ANG
182A	᠎	MONGOLIAN LETTER BA → 0431 ᠎ cyrillic small letter be

182B	᠎	MONGOLIAN LETTER PA → 043F ᠎ cyrillic small letter pe
182C	᠎	MONGOLIAN LETTER QA → 0445 ᠎ cyrillic small letter ha
182D	᠎	MONGOLIAN LETTER GA → 0433 ᠎ cyrillic small letter ghe
182E	᠎	MONGOLIAN LETTER MA → 043C ᠎ cyrillic small letter em
182F	᠎	MONGOLIAN LETTER LA → 043B ᠎ cyrillic small letter el
1830	᠎	MONGOLIAN LETTER SA → 0441 ᠎ cyrillic small letter es
1831	᠎	MONGOLIAN LETTER SHA → 0448 ᠎ cyrillic small letter sha
1832	᠎	MONGOLIAN LETTER TA → 0442 ᠎ cyrillic small letter te
1833	᠎	MONGOLIAN LETTER DA → 0434 ᠎ cyrillic small letter de
1834	᠎	MONGOLIAN LETTER CHA → 0447 ᠎ cyrillic small letter che
1835	᠎	MONGOLIAN LETTER JA → 0436 ᠎ cyrillic small letter zhe
1836	᠎	MONGOLIAN LETTER YA → 0439 ᠎ cyrillic small letter short i
1837	᠎	MONGOLIAN LETTER RA → 0440 ᠎ cyrillic small letter er
1838	᠎	MONGOLIAN LETTER WA → 0432 ᠎ cyrillic small letter ve
1839	᠎	MONGOLIAN LETTER FA → 0444 ᠎ cyrillic small letter ef
183A	᠎	MONGOLIAN LETTER KA → 0445 ᠎ cyrillic small letter ha
183B	᠎	MONGOLIAN LETTER KHA → 043A ᠎ cyrillic small letter ka
183C	᠎	MONGOLIAN LETTER TSA → 0446 ᠎ cyrillic small letter tse
183D	᠎	MONGOLIAN LETTER ZA → 0437 ᠎ cyrillic small letter ze
183E	᠎	MONGOLIAN LETTER HAA → 0445 ᠎ cyrillic small letter ha
183F	᠎	MONGOLIAN LETTER ZRA → 0436 ᠎ cyrillic small letter zhe
1840	᠎	MONGOLIAN LETTER LHA
1841	᠎	MONGOLIAN LETTER ZHI
1842	᠎	MONGOLIAN LETTER CHI

**Todo letters**

1843	᠎	MONGOLIAN LETTER TODO LONG VOWEL SIGN
1844	᠎	MONGOLIAN LETTER TODO E
1845	᠎	MONGOLIAN LETTER TODO I
1846	᠎	MONGOLIAN LETTER TODO O
1847	᠎	MONGOLIAN LETTER TODO U
1848	᠎	MONGOLIAN LETTER TODO OE
1849	᠎	MONGOLIAN LETTER TODO UE
184A	᠎	MONGOLIAN LETTER TODO ANG
184B	᠎	MONGOLIAN LETTER TODO BA
184C	᠎	MONGOLIAN LETTER TODO PA
184D	᠎	MONGOLIAN LETTER TODO QA
184E	᠎	MONGOLIAN LETTER TODO GA
184F	᠎	MONGOLIAN LETTER TODO MA
1850	᠎	MONGOLIAN LETTER TODO TA

1851 ᠠ MONGOLIAN LETTER TODO DA  
 1852 ᠡ MONGOLIAN LETTER TODO CHA  
 1853 ᠢ MONGOLIAN LETTER TODO JA  
 1854 ᠣ MONGOLIAN LETTER TODO TSA  
 1855 ᠤ MONGOLIAN LETTER TODO YA  
 1856 ᠦ MONGOLIAN LETTER TODO WA  
 1857 ᠦ MONGOLIAN LETTER TODO KA  
 1858 ᠦ MONGOLIAN LETTER TODO GAA  
 1859 ᠦ MONGOLIAN LETTER TODO HAA  
 185A ᠦ MONGOLIAN LETTER TODO JIA  
 185B ᠦ MONGOLIAN LETTER TODO NIA  
 185C ᠦ MONGOLIAN LETTER TODO DZA

**Sibe letters**

185D ᠦ MONGOLIAN LETTER SIBE E  
 185E ᠦ MONGOLIAN LETTER SIBE I  
 185F ᠦ MONGOLIAN LETTER SIBE IY  
 1860 ᠦ MONGOLIAN LETTER SIBE UE  
 1861 ᠦ MONGOLIAN LETTER SIBE U  
 1862 ᠦ MONGOLIAN LETTER SIBE ANG  
 1863 ᠦ MONGOLIAN LETTER SIBE KA  
 1864 ᠦ MONGOLIAN LETTER SIBE GA  
 1865 ᠦ MONGOLIAN LETTER SIBE HA  
 1866 ᠦ MONGOLIAN LETTER SIBE PA  
 1867 ᠦ MONGOLIAN LETTER SIBE SHA  
 1868 ᠦ MONGOLIAN LETTER SIBE TA  
 1869 ᠦ MONGOLIAN LETTER SIBE DA  
 186A ᠦ MONGOLIAN LETTER SIBE JA  
 186B ᠦ MONGOLIAN LETTER SIBE FA  
 186C ᠦ MONGOLIAN LETTER SIBE GAA  
 186D ᠦ MONGOLIAN LETTER SIBE HAA  
 186E ᠦ MONGOLIAN LETTER SIBE TSA  
 186F ᠦ MONGOLIAN LETTER SIBE ZA  
 1870 ᠦ MONGOLIAN LETTER SIBE RAA  
 1871 ᠦ MONGOLIAN LETTER SIBE CHA  
 1872 ᠦ MONGOLIAN LETTER SIBE ZHA

**Manchu letters**

1873 ᠠ MONGOLIAN LETTER MANCHU I  
 1874 ᠡ MONGOLIAN LETTER MANCHU KA  
 1875 ᠢ MONGOLIAN LETTER MANCHU RA  
 1876 ᠣ MONGOLIAN LETTER MANCHU FA  
 1877 ᠤ MONGOLIAN LETTER MANCHU ZHA

**Extensions for Sanskrit and Tibetan**

1880 ᠠ MONGOLIAN LETTER ALI GALI ANUSVARA ONE  
 → 0F83 ᠠ tibetan sign sna ldan  
 1881 ᠡ MONGOLIAN LETTER ALI GALI VISARGA ONE  
 → 0F7F ᠡ tibetan sign nmam bcad  
 1882 ᠢ MONGOLIAN LETTER ALI GALI DAMARU  
 → 0F88 ᠢ tibetan sign lce tsa can  
 1883 ᠣ MONGOLIAN LETTER ALI GALI UBADAMA  
 1884 ᠣ MONGOLIAN LETTER ALI GALI INVERTED  
 UBADAMA  
 → 0F89 ᠣ tibetan sign mchu can  
 1885 ᠤ MONGOLIAN LETTER ALI GALI BALUDA  
 → 0F85 ᠤ tibetan mark paluta  
 1886 ᠤ MONGOLIAN LETTER ALI GALI THREE BALUDA  
 1887 ᠤ MONGOLIAN LETTER ALI GALI A  
 1888 ᠤ MONGOLIAN LETTER ALI GALI I  
 1889 ᠤ MONGOLIAN LETTER ALI GALI KA  
 188A ᠤ MONGOLIAN LETTER ALI GALI NGA  
 188B ᠤ MONGOLIAN LETTER ALI GALI CA

188C ᠤ MONGOLIAN LETTER ALI GALI TTA  
 188D ᠤ MONGOLIAN LETTER ALI GALI TTHA  
 188E ᠤ MONGOLIAN LETTER ALI GALI DDA  
 188F ᠤ MONGOLIAN LETTER ALI GALI NNA  
 1890 ᠤ MONGOLIAN LETTER ALI GALI TA  
 1891 ᠤ MONGOLIAN LETTER ALI GALI DA  
 1892 ᠤ MONGOLIAN LETTER ALI GALI PA  
 1893 ᠤ MONGOLIAN LETTER ALI GALI PHA  
 1894 ᠤ MONGOLIAN LETTER ALI GALI SSA  
 1895 ᠤ MONGOLIAN LETTER ALI GALI ZHA  
 1896 ᠤ MONGOLIAN LETTER ALI GALI ZA  
 1897 ᠤ MONGOLIAN LETTER ALI GALI AH  
 1898 ᠤ MONGOLIAN LETTER TODO ALI GALI TA  
 1899 ᠤ MONGOLIAN LETTER TODO ALI GALI ZHA  
 189A ᠤ MONGOLIAN LETTER MANCHU ALI GALI GHA  
 189B ᠤ MONGOLIAN LETTER MANCHU ALI GALI NGA  
 189C ᠤ MONGOLIAN LETTER MANCHU ALI GALI CA  
 189D ᠤ MONGOLIAN LETTER MANCHU ALI GALI JHA  
 189E ᠤ MONGOLIAN LETTER MANCHU ALI GALI TTA  
 189F ᠤ MONGOLIAN LETTER MANCHU ALI GALI DDHA  
 18A0 ᠤ MONGOLIAN LETTER MANCHU ALI GALI TA  
 18A1 ᠤ MONGOLIAN LETTER MANCHU ALI GALI DHA  
 18A2 ᠤ MONGOLIAN LETTER MANCHU ALI GALI SSA  
 18A3 ᠤ MONGOLIAN LETTER MANCHU ALI GALI CYA  
 18A4 ᠤ MONGOLIAN LETTER MANCHU ALI GALI ZHA  
 18A5 ᠤ MONGOLIAN LETTER MANCHU ALI GALI ZA  
 18A6 ᠤ MONGOLIAN LETTER ALI GALI HALF U  
 18A7 ᠤ MONGOLIAN LETTER ALI GALI HALF YA  
 18A8 ᠤ MONGOLIAN LETTER MANCHU ALI GALI BHA  
 18A9 ᠤ MONGOLIAN LETTER ALI GALI DAGALGA  
 18AA ᠤ MONGOLIAN LETTER MANCHU ALI GALI LHA

	18B	18C	18D	18E	18F
0	18B0	18C0	18D0	18E0	18F0
1	18B1	18C1	18D1	18E1	18F1
2	18B2	18C2	18D2	18E2	18F2
3	18B3	18C3	18D3	18E3	18F3
4	18B4	18C4	18D4	18E4	18F4
5	18B5	18C5	18D5	18E5	18F5
6	18B6	18C6	18D6	18E6	18F5
7	18B7	18C7	18D7	18E7	
8	18B8	18C8	18D8	18E8	
9	18B9	18C9	18D9	18E9	
A	18BA	18CA	18DA	18EA	
B	18BB	18CB	18DB	18EB	
C	18BC	18CC	18DC	18EC	
D	18BD	18CD	18DD	18ED	
E	18BE	18CE	18DE	18EE	
F	18BF	18CF	18DF	18EF	

**Syllables for Moose Cree**

18B0	ᐃ	CANADIAN SYLLABICS OY
18B1	ᐅ	CANADIAN SYLLABICS AY
18B2	ᐇ	CANADIAN SYLLABICS AAY
18B3	ᐈ	CANADIAN SYLLABICS WAY
18B4	ᐉ	CANADIAN SYLLABICS POY
18B5	ᐊ	CANADIAN SYLLABICS PAY
18B6	ᐋ	CANADIAN SYLLABICS PWOY
18B7	ᐌ	CANADIAN SYLLABICS TAY
18B8	ᐍ	CANADIAN SYLLABICS KAY
18B9	ᐎ	CANADIAN SYLLABICS KWAY
18BA	ᐏ	CANADIAN SYLLABICS MAY
18BB	ᐐ	CANADIAN SYLLABICS NOY
18BC	ᐑ	CANADIAN SYLLABICS NAY
18BD	ᐒ	CANADIAN SYLLABICS LAY
18BE	ᐓ	CANADIAN SYLLABICS SOY
18BF	ᐔ	CANADIAN SYLLABICS SAY
18C0	ᐕ	CANADIAN SYLLABICS SHOY
18C1	ᐖ	CANADIAN SYLLABICS SHAY
18C2	ᐗ	CANADIAN SYLLABICS SHWOY
18C3	ᐘ	CANADIAN SYLLABICS YOY
18C4	ᐙ	CANADIAN SYLLABICS YAY
18C5	ᐚ	CANADIAN SYLLABICS RAY

**Syllables for Cree and Ojibway**

18C6	ᐛ	CANADIAN SYLLABICS NWI
18C7	ᐜ	CANADIAN SYLLABICS OJIBWAY NWI
18C8	ᐝ	CANADIAN SYLLABICS NWII
18C9	ᐞ	CANADIAN SYLLABICS OJIBWAY NWII
18CA	ᐟ	CANADIAN SYLLABICS NWO
18CB	ᐠ	CANADIAN SYLLABICS OJIBWAY NWO
18CC	ᐡ	CANADIAN SYLLABICS NWOO
18CD	ᐢ	CANADIAN SYLLABICS OJIBWAY NWOO
18CE	ᐣ	CANADIAN SYLLABICS RWEE
18CF	ᐤ	CANADIAN SYLLABICS RWI
18D0	ᐥ	CANADIAN SYLLABICS RWII
18D1	ᐦ	CANADIAN SYLLABICS RWO
18D2	ᐧ	CANADIAN SYLLABICS RWOO
18D3	ᐨ	CANADIAN SYLLABICS RWA

**Finals for Cree and Ojibway**

18D4	ᐩ	CANADIAN SYLLABICS OJIBWAY P
18D5	ᐪ	CANADIAN SYLLABICS OJIBWAY T
18D6	ᐫ	CANADIAN SYLLABICS OJIBWAY K
18D7	ᐬ	CANADIAN SYLLABICS OJIBWAY C
18D8	ᐭ	CANADIAN SYLLABICS OJIBWAY M
18D9	ᐮ	CANADIAN SYLLABICS OJIBWAY N
18DA	ᐯ	CANADIAN SYLLABICS OJIBWAY S
18DB	ᐰ	CANADIAN SYLLABICS OJIBWAY SH
18DC	ᐱ	CANADIAN SYLLABICS EASTERN W
18DD	ᐲ	CANADIAN SYLLABICS WESTERN W
18DE	ᐳ	CANADIAN SYLLABICS FINAL SMALL RING
18DF	ᐴ	CANADIAN SYLLABICS FINAL RAISED DOT • Carrier (GLOTTAL STOP)

**Syllables for Beaver Dene, Hare Dene, and Chipewyan Dene**

18E0	ᐵ	CANADIAN SYLLABICS R-CREE RWE • Beaver Dene (LYE)
18E1	ᐶ	CANADIAN SYLLABICS WEST-CREE LOO • Chipewyan Dene (LU)
18E2	ᐷ	CANADIAN SYLLABICS WEST-CREE LAA • Beaver Dene (LAI)

18E3	ᐸ	CANADIAN SYLLABICS THWE • Beaver Dene (TYE)
18E4	ᐹ	CANADIAN SYLLABICS THWA • Beaver Dene (TYA)
18E5	ᐺ	CANADIAN SYLLABICS TTHWE • Beaver Dene (HYE)
18E6	ᐻ	CANADIAN SYLLABICS TTHOO • Chipewyan Dene (TTHU)
18E7	ᐼ	CANADIAN SYLLABICS TTHAA • Beaver Dene (HAI)
18E8	ᐽ	CANADIAN SYLLABICS TLHWE • Beaver Dene (TLYE)
18E9	ᐾ	CANADIAN SYLLABICS TLHOO • Chipewyan Dene (TLU)
18EA	ᐿ	CANADIAN SYLLABICS SAYISI SHWE • Beaver Dene (ZYE)
18EB	ᑀ	CANADIAN SYLLABICS SAYISI SHOO • Chipewyan Dene (SHU)
18EC	ᑁ	CANADIAN SYLLABICS SAYISI HOO • Chipewyan Dene (GU)
18ED	ᑂ	CANADIAN SYLLABICS CARRIER GWU • Beaver Dene (CHYE)
18EE	ᑃ	CANADIAN SYLLABICS CARRIER DENE GEE • Chipewyan Dene (CHU)
18EF	ᑄ	CANADIAN SYLLABICS CARRIER GAA • Beaver Dene (CHAI)
18F0	ᑅ	CANADIAN SYLLABICS CARRIER GWA • Hare Dene (SHYA)
18F1	ᑆ	CANADIAN SYLLABICS SAYISI JUU • Chipewyan Dene (TSU)
18F2	ᑇ	CANADIAN SYLLABICS CARRIER JWA • Beaver Dene (TSYE)

**Finals for Dene and Carrier**

18F3	ᑈ	CANADIAN SYLLABICS BEAVER DENE L
18F4	ᑉ	CANADIAN SYLLABICS BEAVER DENE R
18F5	ᑊ	CANADIAN SYLLABICS CARRIER DENTAL S

	190	191	192	193	194
0	𑄀 1900	𑄁 1910	𑄂 1920	𑄃 1930	𑄄 1940
1	𑄅 1901	𑄆 1911	𑄇 1921	𑄈 1931	
2	𑄉 1902	𑄊 1912	𑄋 1922	𑄌 1932	
3	𑄍 1903	𑄎 1913	𑄏 1923	𑄐 1933	
4	𑄑 1904	𑄒 1914	𑄓 1924	𑄔 1934	𑄕 1944
5	𑄖 1905	𑄗 1915	𑄘 1925	𑄙 1935	𑄚 1945
6	𑄛 1906	𑄜 1916	𑄝 1926	𑄞 1936	𑄟 1946
7	𑄠 1907	𑄡 1917	𑄢 1927	𑄣 1937	𑄤 1947
8	𑄥 1908	𑄦 1918	𑄧 1928	𑄨 1938	𑄩 1948
9	𑄪 1909	𑄫 1919	𑄬 1929	𑄭 1939	𑄮 1949
A	𑄯 190A	𑄰 191A	𑄱 192A	𑄲 193A	𑄳 194A
B	𑄴 190B	𑄵 191B	𑄶 192B	𑄷 193B	𑄸 194B
C	𑄹 190C	𑄺 191C			𑄻 194C
D	𑄼 190D				𑄽 194D
E	𑄾 190E				𑄿 194E
F	𑅀 190F				𑅁 194F

**Consonants**

1900	ᳵ	LIMBU VOWEL-CARRIER LETTER
1901	᳆	LIMBU LETTER KA
1902	᳇	LIMBU LETTER KHA
1903	᳈	LIMBU LETTER GA
1904	᳉	LIMBU LETTER GHA
1905	᳊	LIMBU LETTER NGA
1906	᳋	LIMBU LETTER CA
1907	᳌	LIMBU LETTER CHA
1908	᳍	LIMBU LETTER JA
1909	᳎	LIMBU LETTER JHA
190A	᳏	LIMBU LETTER YAN
190B	᳐	LIMBU LETTER TA
190C	᳑	LIMBU LETTER THA
190D	᳒	LIMBU LETTER DA
190E	᳓	LIMBU LETTER DHA
190F	᳔	LIMBU LETTER NA
1910	᳕	LIMBU LETTER PA
1911	᳖	LIMBU LETTER PHA
1912	᳗	LIMBU LETTER BA
1913	᳘	LIMBU LETTER BHA
1914	᳙	LIMBU LETTER MA
1915	᳚	LIMBU LETTER YA
1916	᳛	LIMBU LETTER RA
1917	᳜	LIMBU LETTER LA
1918	᳝	LIMBU LETTER WA
1919	᳞	LIMBU LETTER SHA
191A	᳟	LIMBU LETTER SSA
191B	᳠	LIMBU LETTER SA
191C	᳡	LIMBU LETTER HA

**Dependent vowel signs**

1920	ᳶ	LIMBU VOWEL SIGN A
1921	᳷	LIMBU VOWEL SIGN I
1922	᳸	LIMBU VOWEL SIGN U
1923	᳹	LIMBU VOWEL SIGN EE
1924	ᳺ	LIMBU VOWEL SIGN AI
1925	᳻	LIMBU VOWEL SIGN OO
1926	᳼	LIMBU VOWEL SIGN AU
1927	᳽	LIMBU VOWEL SIGN E
1928	᳾	LIMBU VOWEL SIGN O

**Subjoined consonants**

1929	᳿	LIMBU SUBJOINED LETTER YA
192A	᳠	LIMBU SUBJOINED LETTER RA
192B	᳡	LIMBU SUBJOINED LETTER WA

**Final consonants**

1930	᳢	LIMBU SMALL LETTER KA
1931	᳣	LIMBU SMALL LETTER NGA
1932	᳤	LIMBU SMALL LETTER ANUSVARA
1933	᳥	LIMBU SMALL LETTER TA
1934	᳦	LIMBU SMALL LETTER NA
1935	᳧	LIMBU SMALL LETTER PA
1936	᳨	LIMBU SMALL LETTER MA
1937	ᳩ	LIMBU SMALL LETTER RA
1938	ᳪ	LIMBU SMALL LETTER LA

**Various signs**

1939	ᳫ	LIMBU SIGN MUKPHRENG
193A	ᳬ	LIMBU SIGN KEMPHRENG
193B	᳭	LIMBU SIGN SA-I
193C	ᳮ	<reserved>

193D	ᳯ	<reserved>
193E	ᳰ	<reserved>
193F	ᳱ	<reserved>
1940	ᳲ	LIMBU SIGN LOO
1941	ᳳ	<reserved>
1942	᳴	<reserved>
1943	ᳵ	<reserved>
1944	ᳶ	LIMBU EXCLAMATION MARK
1945	᳷	LIMBU QUESTION MARK

**Digits**

1946	᳸	LIMBU DIGIT ZERO
1947	᳹	LIMBU DIGIT ONE
1948	ᳺ	LIMBU DIGIT TWO
1949	᳻	LIMBU DIGIT THREE
194A	᳼	LIMBU DIGIT FOUR
194B	᳽	LIMBU DIGIT FIVE
194C	᳾	LIMBU DIGIT SIX
194D	᳿	LIMBU DIGIT SEVEN
194E	᳠	LIMBU DIGIT EIGHT
194F	᳡	LIMBU DIGIT NINE

	195	196	197
0	ᵿ 1950	ᵿ 1960	ᵿ 1970
1	ᵿ 1951	ᵿ 1961	ᵿ 1971
2	ᵿ 1952	ᵿ 1962	ᵿ 1972
3	ᵿ 1953	ᵿ 1963	ᵿ 1973
4	ᵿ 1954	ᵿ 1964	ᵿ 1974
5	ᵿ 1955	ᵿ 1965	
6	ᵿ 1956	ᵿ 1966	
7	ᵿ 1957	ᵿ 1967	
8	ᵿ 1958	ᵿ 1968	
9	ᵿ 1959	ᵿ 1969	
A	ᵿ 195A	ᵿ 196A	
B	ᵿ 195B	ᵿ 196B	
C	ᵿ 195C	ᵿ 196C	
D	ᵿ 195D	ᵿ 196D	
E	ᵿ 195E		
F	ᵿ 195F		

Note the similarly named but distinct New Tai Lue script encoded at U+1980..U+19DF.

**Consonants**

- 1950 ᵿ TAI LE LETTER KA
- 1951 ᵿ TAI LE LETTER XA
- 1952 ᵿ TAI LE LETTER NGA
- 1953 ᵿ TAI LE LETTER TSA
- 1954 ᵿ TAI LE LETTER SA
- 1955 ᵿ TAI LE LETTER YA
- 1956 ᵿ TAI LE LETTER TA
- 1957 ᵿ TAI LE LETTER THA
- 1958 ᵿ TAI LE LETTER LA
- 1959 ᵿ TAI LE LETTER PA
- 195A ᵿ TAI LE LETTER PHA
- 195B ᵿ TAI LE LETTER MA
- 195C ᵿ TAI LE LETTER FA
- 195D ᵿ TAI LE LETTER VA
- 195E ᵿ TAI LE LETTER HA
- 195F ᵿ TAI LE LETTER QA
- 1960 ᵿ TAI LE LETTER KHA
- 1961 ᵿ TAI LE LETTER TSHA
- 1962 ᵿ TAI LE LETTER NA

**Vowels**

- 1963 ᵿ TAI LE LETTER A
- 1964 ᵿ TAI LE LETTER I
- 1965 ᵿ TAI LE LETTER EE
- 1966 ᵿ TAI LE LETTER EH
- 1967 ᵿ TAI LE LETTER U
- 1968 ᵿ TAI LE LETTER OO
- 1969 ᵿ TAI LE LETTER O
- 196A ᵿ TAI LE LETTER UE
- 196B ᵿ TAI LE LETTER E
- 196C ᵿ TAI LE LETTER AUE
- 196D ᵿ TAI LE LETTER AI

**Tone letters**

- 1970 ᵿ TAI LE LETTER TONE-2
- 1971 ᵿ TAI LE LETTER TONE-3
- 1972 ᵿ TAI LE LETTER TONE-4
- 1973 ᵿ TAI LE LETTER TONE-5
- 1974 ᵿ TAI LE LETTER TONE-6



	198	199	19A	19B	19C	19D
0	ꨀ 1980	ꨁ 1990	ꨂ 19A0	ꨃ 19B0	ꨄ 19C0	ꨅ 19D0
1	ꨆ 1981	ꨇ 1991	ꨈ 19A1	ꨉ 19B1	ꨊ 19C1	ꨋ 19D1
2	ꨌ 1982	ꨍ 1992	ꨎ 19A2	ꨏ 19B2	ꨐ 19C2	ꨑ 19D2
3	ꨒ 1983	ꨓ 1993	ꨔ 19A3	ꨕ 19B3	ꨖ 19C3	ꨗ 19D3
4	ꨙ 1984	ꨚ 1994	ꨛ 19A4	ꨜ 19B4	ꨝ 19C4	ꨞ 19D4
5	ꨟ 1985	ꨠ 1995	ꨡ 19A5	ꨢ 19B5	ꨣ 19C5	ꨤ 19D5
6	ꨦ 1986	ꨧ 1996	ꨨ 19A6	ꨩ 19B6	ꨪ 19C6	ꨫ 19D6
7	ꨭ 1987	ꨮ 1997	ꨯ 19A7	ꨰ 19B7	ꨱ 19C7	ꨲ 19D7
8	ꨴ 1988	ꨵ 1998	ꨶ 19A8	꨷ 19B8	꨸ 19C8	꨹ 19D8
9	꨼ 1989	꨽ 1999	꨾ 19A9	꨿ 19B9	ꩀ 19C9	ꩁ 19D9
A	ꩃ 198A	ꩄ 199A	ꩅ 19AA	ꩆ 19BA		ꩇ 19DA
B	ꩉ 198B	ꩊ 199B	ꩋ 19AB	ꩌ 19BB		
C	꩎ 198C	꩏ 199C		꩐ 19BC		
D	꩒ 198D	꩓ 199D		꩔ 19BD		
E	꩖ 198E	꩗ 199E		꩘ 19BE		꩙ 19DE
F	꩛ 198F	꩜ 199F		꩝ 19BF		꩞ 19DF

Note the similarly named but distinct Tai Le script encoded at U+1950..U+197F. The New Tai Lue script is also known as Xishuang Banna Dai.

**Consonants**

1980	ᨠ	NEW TAI LUE LETTER HIGH QA
1981	ᨡ	NEW TAI LUE LETTER LOW QA
1982	ᨢ	NEW TAI LUE LETTER HIGH KA
1983	ᨣ	NEW TAI LUE LETTER HIGH XA
1984	ᨤ	NEW TAI LUE LETTER HIGH NGA
1985	ᨦ	NEW TAI LUE LETTER LOW KA
1986	ᨧ	NEW TAI LUE LETTER LOW XA
1987	ᨨ	NEW TAI LUE LETTER LOW NGA
1988	ᨩ	NEW TAI LUE LETTER HIGH TSA
1989	ᨪ	NEW TAI LUE LETTER HIGH SA
198A	ᨫ	NEW TAI LUE LETTER HIGH YA
198B	ᨬ	NEW TAI LUE LETTER LOW TSA
198C	ᨭ	NEW TAI LUE LETTER LOW SA
198D	ᨮ	NEW TAI LUE LETTER LOW YA
198E	ᨯ	NEW TAI LUE LETTER HIGH TA
198F	ᨰ	NEW TAI LUE LETTER HIGH THA
1990	ᨱ	NEW TAI LUE LETTER HIGH NA
1991	ᨲ	NEW TAI LUE LETTER LOW TA
1992	ᨳ	NEW TAI LUE LETTER LOW THA
1993	ᨴ	NEW TAI LUE LETTER LOW NA
1994	ᨵ	NEW TAI LUE LETTER HIGH PA
1995	ᨶ	NEW TAI LUE LETTER HIGH PHA
1996	ᨷ	NEW TAI LUE LETTER HIGH MA
1997	ᨸ	NEW TAI LUE LETTER LOW PA
1998	ᨹ	NEW TAI LUE LETTER LOW PHA
1999	ᨺ	NEW TAI LUE LETTER LOW MA
199A	ᨻ	NEW TAI LUE LETTER HIGH FA
199B	ᨼ	NEW TAI LUE LETTER HIGH VA
199C	ᨽ	NEW TAI LUE LETTER HIGH LA
199D	ᨿ	NEW TAI LUE LETTER LOW FA
199E	ᩀ	NEW TAI LUE LETTER LOW VA
199F	ᩁ	NEW TAI LUE LETTER LOW LA
19A0	ᩂ	NEW TAI LUE LETTER HIGH HA
19A1	ᩃ	NEW TAI LUE LETTER HIGH DA
19A2	ᩄ	NEW TAI LUE LETTER HIGH BA
19A3	ᩅ	NEW TAI LUE LETTER LOW HA
19A4	ᩆ	NEW TAI LUE LETTER LOW DA
19A5	ᩇ	NEW TAI LUE LETTER LOW BA
19A6	ᩈ	NEW TAI LUE LETTER HIGH KVA
19A7	ᩉ	NEW TAI LUE LETTER HIGH XVA
19A8	ᩊ	NEW TAI LUE LETTER LOW KVA
19A9	ᩋ	NEW TAI LUE LETTER LOW XVA
19AA	ᩌ	NEW TAI LUE LETTER HIGH SUA
19AB	ᩍ	NEW TAI LUE LETTER LOW SUA

**Vowel signs**

19B0	ᩎ	NEW TAI LUE VOWEL SIGN VOWEL SHORTENER
19B1	ᩏ	NEW TAI LUE VOWEL SIGN AA
19B2	ᩐ	NEW TAI LUE VOWEL SIGN II
19B3	ᩑ	NEW TAI LUE VOWEL SIGN U
19B4	ᩒ	NEW TAI LUE VOWEL SIGN UU
19B5	ᩓ	NEW TAI LUE VOWEL SIGN E
19B6	ᩔ	NEW TAI LUE VOWEL SIGN AE
19B7	ᩕ	NEW TAI LUE VOWEL SIGN O
19B8	ᩖ	NEW TAI LUE VOWEL SIGN OA
19B9	ᩗ	NEW TAI LUE VOWEL SIGN UE
19BA	ᩘ	NEW TAI LUE VOWEL SIGN AY

19BB	ᩙ	NEW TAI LUE VOWEL SIGN AAY
19BC	ᩚ	NEW TAI LUE VOWEL SIGN UY
19BD	ᩛ	NEW TAI LUE VOWEL SIGN OY
19BE	ᩜ	NEW TAI LUE VOWEL SIGN OAY
19BF	ᩝ	NEW TAI LUE VOWEL SIGN UEY
19C0	ᩞ	NEW TAI LUE VOWEL SIGN IY

**Final consonants**

19C1	᩟	NEW TAI LUE LETTER FINAL V
19C2	᩠	NEW TAI LUE LETTER FINAL NG
19C3	ᩡ	NEW TAI LUE LETTER FINAL N
19C4	ᩢ	NEW TAI LUE LETTER FINAL M
19C5	ᩣ	NEW TAI LUE LETTER FINAL K
19C6	ᩤ	NEW TAI LUE LETTER FINAL D
19C7	ᩥ	NEW TAI LUE LETTER FINAL B

**Tone marks**

19C8	ᩦ	NEW TAI LUE TONE MARK-1
19C9	ᩧ	NEW TAI LUE TONE MARK-2

**Digits**

19D0	ᩨ	NEW TAI LUE DIGIT ZERO
19D1	ᩩ	NEW TAI LUE DIGIT ONE
19D2	ᩪ	NEW TAI LUE DIGIT TWO
19D3	ᩫ	NEW TAI LUE DIGIT THREE
19D4	ᩬ	NEW TAI LUE DIGIT FOUR
19D5	ᩭ	NEW TAI LUE DIGIT FIVE
19D6	ᩮ	NEW TAI LUE DIGIT SIX
19D7	ᩯ	NEW TAI LUE DIGIT SEVEN
19D8	ᩰ	NEW TAI LUE DIGIT EIGHT
19D9	ᩱ	NEW TAI LUE DIGIT NINE
19DA	ᩲ	NEW TAI LUE THAM DIGIT ONE

































**Various signs**

19DE	ᩳ	NEW TAI LUE SIGN LAE • conjunction: and
19DF	ᩴ	NEW TAI LUE SIGN LAEV • perfective

	19E	19F
0	០ 19E0	៨ 19F0
1	១ 19E1	១ 19F1
2	២ 19E2	២ 19F2
3	៣ 19E3	៣ 19F3
4	៤ 19E4	៤ 19F4
5	៥ 19E5	៥ 19F5
6	៦ 19E6	៦ 19F6
7	៧ 19E7	៧ 19F7
8	៨ 19E8	៨ 19F8
9	៩ 19E9	៩ 19F9
A	១០ 19EA	១០ 19FA
B	១១ 19EB	១១ 19FB
C	១២ 19EC	១២ 19FC
D	១៣ 19ED	១៣ 19FD
E	១៤ 19EE	១៤ 19FE
F	១៥ 19EF	១៥ 19FF
























**Lunar date symbols**

- 19E0 ០ ៨ KHMER SYMBOL PATHAMASAT  
 • represents the first August in a leap year  
 The following fifteen characters represent the first through the fifteenth waxing days, respectively.
- 19E1 ១ ១ KHMER SYMBOL MUOY KOET
- 19E2 ១ ២ KHMER SYMBOL PII KOET
- 19E3 ១ ៣ KHMER SYMBOL BEI KOET
- 19E4 ១ ៤ KHMER SYMBOL BUON KOET
- 19E5 ១ ៥ KHMER SYMBOL PRAM KOET
- 19E6 ១ ៦ KHMER SYMBOL PRAM-MUOY KOET
- 19E7 ១ ៧ KHMER SYMBOL PRAM-PII KOET
- 19E8 ១ ៨ KHMER SYMBOL PRAM-BEI KOET
- 19E9 ១ ៩ KHMER SYMBOL PRAM-BUON KOET
- 19EA ១ ០ KHMER SYMBOL DAP KOET
- 19EB ១ ១ KHMER SYMBOL DAP-MUOY KOET
- 19EC ១ ២ KHMER SYMBOL DAP-PII KOET
- 19ED ១ ៣ KHMER SYMBOL DAP-BEI KOET
- 19EE ១ ៤ KHMER SYMBOL DAP-BUON KOET
- 19EF ១ ៥ KHMER SYMBOL DAP-PRAM KOET
- 19F0 ១ ៨ KHMER SYMBOL TUTEYASAT  
 • represents the second August in a leap year  
 The following fifteen characters represent the first through the fifteenth waning days, respectively.
- 19F1 ១ ១ KHMER SYMBOL MUOY ROC
- 19F2 ១ ២ KHMER SYMBOL PII ROC
- 19F3 ១ ៣ KHMER SYMBOL BEI ROC
- 19F4 ១ ៤ KHMER SYMBOL BUON ROC
- 19F5 ១ ៥ KHMER SYMBOL PRAM ROC
- 19F6 ១ ៦ KHMER SYMBOL PRAM-MUOY ROC
- 19F7 ១ ៧ KHMER SYMBOL PRAM-PII ROC
- 19F8 ១ ៨ KHMER SYMBOL PRAM-BEI ROC
- 19F9 ១ ៩ KHMER SYMBOL PRAM-BUON ROC
- 19FA ១ ០ KHMER SYMBOL DAP ROC
- 19FB ១ ១ KHMER SYMBOL DAP-MUOY ROC
- 19FC ១ ២ KHMER SYMBOL DAP-PII ROC
- 19FD ១ ៣ KHMER SYMBOL DAP-BEI ROC
- 19FE ១ ៤ KHMER SYMBOL DAP-BUON ROC
- 19FF ១ ៥ KHMER SYMBOL DAP-PRAM ROC






	1A0	1A1
0	 1A00	 1A10
1	 1A01	 1A11
2	 1A02	 1A12
3	 1A03	 1A13
4	 1A04	 1A14
5	 1A05	 1A15
6	 1A06	 1A16
7	 1A07	 1A17
8	 1A08	 1A18
9	 1A09	 1A19
A	 1A0A	 1A1A
B	 1A0B	 1A1B
C	 1A0C	
D	 1A0D	
E	 1A0E	 1A1E
F	 1A0F	 1A1F

*This script is also known as Lontara.*

**Consonants**

- 1A00  BUGINESE LETTER KA
- 1A01  BUGINESE LETTER GA
- 1A02  BUGINESE LETTER NGA
- 1A03  BUGINESE LETTER NGKA
- 1A04  BUGINESE LETTER PA
- 1A05  BUGINESE LETTER BA
- 1A06  BUGINESE LETTER MA
- 1A07  BUGINESE LETTER MPA
- 1A08  BUGINESE LETTER TA
- 1A09  BUGINESE LETTER DA
- 1A0A  BUGINESE LETTER NA
- 1A0B  BUGINESE LETTER NRA
- 1A0C  BUGINESE LETTER CA
- 1A0D  BUGINESE LETTER JA
- 1A0E  BUGINESE LETTER NYA
- 1A0F  BUGINESE LETTER NYCA
- 1A10  BUGINESE LETTER YA
- 1A11  BUGINESE LETTER RA
- 1A12  BUGINESE LETTER LA
- 1A13  BUGINESE LETTER VA
- 1A14  BUGINESE LETTER SA
- 1A15  BUGINESE LETTER A
- 1A16  BUGINESE LETTER HA

**Vowels**

- 1A17  BUGINESE VOWEL SIGN I
- 1A18  BUGINESE VOWEL SIGN U
- 1A19  BUGINESE VOWEL SIGN E
- 1A1A  BUGINESE VOWEL SIGN O
- 1A1B  BUGINESE VOWEL SIGN AE

**Various signs**

- 1A1E  BUGINESE PALLAWA
- 1A1F  BUGINESE END OF SECTION

	1A2	1A3	1A4	1A5	1A6	1A7	1A8	1A9	1AA
0	က 1A20	ဃ 1A30	ၣ် 1A40	ၣ် 1A50	ၣ် 1A60	ၣ် 1A70	ၣ် 1A80	ၣ် 1A90	ၣ် 1AA0
1	ခ 1A21	ထ 1A31	စ 1A41	ၣ် 1A51	ၣ် 1A61	ၣ် 1A71	ၣ် 1A81	ၣ် 1A91	ၣ် 1AA1
2	ၣ် 1A22	ၣ် 1A32	ၣ် 1A42	ၣ် 1A52	ၣ် 1A62	ၣ် 1A72	ၣ် 1A82	ၣ် 1A92	ၣ် 1AA2
3	ၣ် 1A23	ၣ် 1A33	ၣ် 1A43	ၣ် 1A53	ၣ် 1A63	ၣ် 1A73	ၣ် 1A83	ၣ် 1A93	ၣ် 1AA3
4	ၣ် 1A24	ၣ် 1A34	ၣ် 1A44	ၣ် 1A54	ၣ် 1A64	ၣ် 1A74	ၣ် 1A84	ၣ် 1A94	ၣ် 1AA4
5	ဆ 1A25	ၣ် 1A35	ၣ် 1A45	ၣ် 1A55	ၣ် 1A65	ၣ် 1A75	ၣ် 1A85	ၣ် 1A95	ၣ် 1AA5
6	ၣ် 1A26	ၣ် 1A36	ၣ် 1A46	ၣ် 1A56	ၣ် 1A66	ၣ် 1A76	ၣ် 1A86	ၣ် 1A96	ၣ် 1AA6
7	ၣ် 1A27	ၣ် 1A37	ၣ် 1A47	ၣ် 1A57	ၣ် 1A67	ၣ် 1A77	ၣ် 1A87	ၣ် 1A97	ၣ် 1AA7
8	ၣ် 1A28	ၣ် 1A38	ၣ် 1A48	ၣ် 1A58	ၣ် 1A68	ၣ် 1A78	ၣ် 1A88	ၣ် 1A98	ၣ် 1AA8
9	ၣ် 1A29	ၣ် 1A39	ၣ် 1A49	ၣ် 1A59	ၣ် 1A69	ၣ် 1A79	ၣ် 1A89	ၣ် 1A99	ၣ် 1AA9
A	ၣ် 1A2A	ၣ် 1A3A	ၣ် 1A4A	ၣ် 1A5A	ၣ် 1A6A	ၣ် 1A7A			ၣ် 1AAA
B	ၣ် 1A2B	ၣ် 1A3B	ၣ် 1A4B	ၣ် 1A5B	ၣ် 1A6B	ၣ် 1A7B			ၣ် 1AAB
C	ၣ် 1A2C	ၣ် 1A3C	ၣ် 1A4C	ၣ် 1A5C	ၣ် 1A6C	ၣ် 1A7C			ၣ် 1AAC
D	ၣ် 1A2D	ၣ် 1A3D	ၣ် 1A4D	ၣ် 1A5D	ၣ် 1A6D				ၣ် 1AAD
E	ၣ် 1A2E	ၣ် 1A3E	ၣ် 1A4E	ၣ် 1A5E	ၣ် 1A6E				
F	ၣ် 1A2F	ၣ် 1A3F	ၣ် 1A4F		ၣ် 1A6F	ၣ် 1A7F			

The Tai Tham script is also known as Lanna as well as Old Tai Lue. It is used for the Khuen, Northern Thai, and Tai Lue languages. The glyphs shown in the code chart are in Khuen and Tai Lue style.

Consonants

- 1A20 TAI THAM LETTER HIGH KA
1A21 TAI THAM LETTER HIGH KHA
1A22 TAI THAM LETTER HIGH KXA
1A23 TAI THAM LETTER LOW KA
1A24 TAI THAM LETTER LOW KXA
1A25 TAI THAM LETTER LOW KHA
1A26 TAI THAM LETTER NGA
1A27 TAI THAM LETTER HIGH CA
1A28 TAI THAM LETTER HIGH CHA
1A29 TAI THAM LETTER LOW CA
1A2A TAI THAM LETTER LOW SA
1A2B TAI THAM LETTER LOW CHA
1A2C TAI THAM LETTER NYA
1A2D TAI THAM LETTER RATA
1A2E TAI THAM LETTER HIGH RATHA
1A2F TAI THAM LETTER DA
1A30 TAI THAM LETTER LOW RATHA
1A31 TAI THAM LETTER RANA
1A32 TAI THAM LETTER HIGH TA
1A33 TAI THAM LETTER HIGH THA
1A34 TAI THAM LETTER LOW TA
1A35 TAI THAM LETTER LOW THA
1A36 TAI THAM LETTER NA
1A37 TAI THAM LETTER BA
1A38 TAI THAM LETTER HIGH PA
1A39 TAI THAM LETTER HIGH PHA
1A3A TAI THAM LETTER HIGH FA
1A3B TAI THAM LETTER LOW PA
1A3C TAI THAM LETTER LOW FA
1A3D TAI THAM LETTER LOW PHA
1A3E TAI THAM LETTER MA
1A3F TAI THAM LETTER LOW YA
1A40 TAI THAM LETTER HIGH YA
1A41 TAI THAM LETTER RA
1A42 TAI THAM LETTER RUE
1A43 TAI THAM LETTER LA
1A44 TAI THAM LETTER LUE
1A45 TAI THAM LETTER WA
1A46 TAI THAM LETTER HIGH SHA
1A47 TAI THAM LETTER HIGH SSA
1A48 TAI THAM LETTER HIGH SA
1A49 TAI THAM LETTER HIGH HA
1A4A TAI THAM LETTER LLA
1A4B TAI THAM LETTER A
1A4C TAI THAM LETTER LOW HA

Independent vowels

- 1A4D TAI THAM LETTER I
1A4E TAI THAM LETTER II
1A4F TAI THAM LETTER U
1A50 TAI THAM LETTER UU
1A51 TAI THAM LETTER EE
1A52 TAI THAM LETTER OO

Consonants

- 1A53 TAI THAM LETTER LAE

- 1A54 TAI THAM LETTER GREAT SA
1A55 TAI THAM CONSONANT SIGN MEDIAL RA
1A56 TAI THAM CONSONANT SIGN MEDIAL LA
1A57 TAI THAM CONSONANT SIGN LA TANG LAI
1A58 TAI THAM SIGN MAI KANG LAI
1A59 TAI THAM CONSONANT SIGN FINAL NGA
1A5A TAI THAM CONSONANT SIGN LOW PA
1A5B TAI THAM CONSONANT SIGN HIGH RATHA OR LOW PA
1A5C TAI THAM CONSONANT SIGN MA
1A5D TAI THAM CONSONANT SIGN BA
1A5E TAI THAM CONSONANT SIGN SA

Sign

- 1A60 TAI THAM SIGN SAKOT

Dependent vowel signs

- 1A61 TAI THAM VOWEL SIGN A
1A62 TAI THAM VOWEL SIGN MAI SAT
1A63 TAI THAM VOWEL SIGN AA
1A64 TAI THAM VOWEL SIGN TALL AA
1A65 TAI THAM VOWEL SIGN I
1A66 TAI THAM VOWEL SIGN II
1A67 TAI THAM VOWEL SIGN UE
1A68 TAI THAM VOWEL SIGN UUE
1A69 TAI THAM VOWEL SIGN U
1A6A TAI THAM VOWEL SIGN UU
1A6B TAI THAM VOWEL SIGN O
1A6C TAI THAM VOWEL SIGN OA BELOW
1A6D TAI THAM VOWEL SIGN OY
1A6E TAI THAM VOWEL SIGN E
1A6F TAI THAM VOWEL SIGN AE
1A70 TAI THAM VOWEL SIGN OO
1A71 TAI THAM VOWEL SIGN AI
1A72 TAI THAM VOWEL SIGN THAM AI
1A73 TAI THAM VOWEL SIGN OA ABOVE
1A74 TAI THAM SIGN MAI KANG

Tone marks and other marks

- 1A75 TAI THAM SIGN TONE-1
1A76 TAI THAM SIGN TONE-2
1A77 TAI THAM SIGN KHUEN TONE-3
1A78 TAI THAM SIGN KHUEN TONE-4
1A79 TAI THAM SIGN KHUEN TONE-5
1A7A TAI THAM SIGN RA HAAM
1A7B TAI THAM SIGN MAI SAM
1A7C TAI THAM SIGN KHUEN-LUE KARAN
1A7D <reserved>
1A7E <reserved>
1A7F TAI THAM COMBINING CRYPTOGRAMMIC DOT

Hora digits

- 1A80 TAI THAM HORA DIGIT ZERO
1A81 TAI THAM HORA DIGIT ONE
1A82 TAI THAM HORA DIGIT TWO
1A83 TAI THAM HORA DIGIT THREE
1A84 TAI THAM HORA DIGIT FOUR
1A85 TAI THAM HORA DIGIT FIVE
1A86 TAI THAM HORA DIGIT SIX
1A87 TAI THAM HORA DIGIT SEVEN
1A88 TAI THAM HORA DIGIT EIGHT
1A89 TAI THAM HORA DIGIT NINE






**Tham digits**

1A90	◦	TAI THAM THAM DIGIT ZERO
1A91	◡	TAI THAM THAM DIGIT ONE
1A92	∩	TAI THAM THAM DIGIT TWO
1A93	◌◌	TAI THAM THAM DIGIT THREE
1A94	◌◌◌	TAI THAM THAM DIGIT FOUR
1A95	◌◌◌◌	TAI THAM THAM DIGIT FIVE
1A96	◌◌◌◌◌	TAI THAM THAM DIGIT SIX
1A97	◌◌◌◌◌◌	TAI THAM THAM DIGIT SEVEN
1A98	◌◌◌◌◌◌◌	TAI THAM THAM DIGIT EIGHT
1A99	◌◌◌◌◌◌◌◌	TAI THAM THAM DIGIT NINE
1A9A	◌◌◌◌◌◌◌◌◌	<reserved>
1A9B	◌◌◌◌◌◌◌◌◌	<reserved>
1A9C	◌◌◌◌◌◌◌◌◌	<reserved>
1A9D	◌◌◌◌◌◌◌◌◌	<reserved>
1A9E	◌◌◌◌◌◌◌◌◌	<reserved>
1A9F	◌◌◌◌◌◌◌◌◌	<reserved>
1AA0	⊕	TAI THAM SIGN WIANG
1AA1	⊕	TAI THAM SIGN WIANGWAAK
1AA2	◌◌◌	TAI THAM SIGN SAWAN
1AA3	◌◌◌	TAI THAM SIGN KEOW
1AA4	◌◌◌	TAI THAM SIGN HOY
1AA5	◌◌◌	TAI THAM SIGN DOKMAI
1AA6	◌◌◌	TAI THAM SIGN REVERSED ROTATED RANA
1AA7	◌◌◌	TAI THAM SIGN MAI YAMOK
1AA8	◌◌◌	TAI THAM SIGN KAAK
1AA9	◌◌◌	TAI THAM SIGN KAANKUU
1AAA	◌◌◌	TAI THAM SIGN SATKAAN
1AAB	◌◌◌	TAI THAM SIGN SATKAANKUU
1AAC	◌◌◌	TAI THAM SIGN HANG
1AAD	◌◌◌	TAI THAM SIGN CAANG

	1B0	1B1	1B2	1B3	1B4	1B5	1B6	1B7
0	ᮀ 1B00	ᮁ 1B10	ᮂ 1B20	ᮃ 1B30	ᮄ 1B40	ᮅ 1B50	ᮆ 1B60	ᮇ 1B70
1	ᮈ 1B01	ᮉ 1B11	ᮊ 1B21	ᮋ 1B31	ᮌ 1B41	ᮍ 1B51	ᮎ 1B61	ᮏ 1B71
2	ᮐ 1B02	ᮑ 1B12	ᮒ 1B22	ᮓ 1B32	ᮔ 1B42	ᮕ 1B52	ᮖ 1B62	ᮗ 1B72
3	ᮘ 1B03	ᮙ 1B13	ᮚ 1B23	ᮛ 1B33	ᮜ 1B43	ᮝ 1B53	ᮞ 1B63	ᮟ 1B73
4	ᮠ 1B04	ᮡ 1B14	ᮢ 1B24	ᮣ 1B34	ᮤ 1B44	ᮥ 1B54	ᮆ 1B64	ᮇ 1B74
5	ᮧ 1B05	ᮨ 1B15	ᮩ 1B25	᮪ 1B35	᮫ 1B45	ᮬ 1B55	ᮭ 1B65	ᮮ 1B75
6	ᮯ 1B06	᮰ 1B16	᮱ 1B26	᮲ 1B36	᮳ 1B46	᮴ 1B56	᮵ 1B66	᮶ 1B76
7	᮷ 1B07	᮸ 1B17	᮹ 1B27	ᮺ 1B37	ᮻ 1B47	ᮼ 1B57	ᮽ 1B67	ᮾ 1B77
8	ᮿ 1B08	ᮠ 1B18	ᮡ 1B28	ᮣ 1B38	ᮤ 1B48	ᮥ 1B58	ᮆ 1B68	ᮇ 1B78
9	ᮢ 1B09	ᮣ 1B19	ᮤ 1B29	ᮥ 1B39	ᮆ 1B49	ᮇ 1B59	ᮈ 1B69	ᮉ 1B79
A	ᮩ 1B0A	᮪ 1B1A	᮫ 1B2A	ᮬ 1B3A	ᮭ 1B4A	ᮮ 1B5A	ᮯ 1B6A	᮰ 1B7A
B	᮱ 1B0B	᮲ 1B1B	᮳ 1B2B	᮴ 1B3B	᮵ 1B4B	᮶ 1B5B	᮷ 1B6B	᮸ 1B7B
C	᮹ 1B0C	ᮺ 1B1C	ᮻ 1B2C	ᮼ 1B3C		ᮽ 1B5C	ᮾ 1B6C	ᮿ 1B7C
D	ᮠ 1B0D	ᮡ 1B1D	ᮢ 1B2D	ᮣ 1B3D		ᮤ 1B5D	ᮥ 1B6D	
E	ᮤ 1B0E	ᮥ 1B1E	ᮆ 1B2E	ᮇ 1B3E		ᮈ 1B5E	ᮉ 1B6E	
F	ᮆ 1B0F	ᮇ 1B1F	ᮈ 1B2F	ᮉ 1B3F		ᮊ 1B5F	ᮋ 1B6F	














**Various signs**























- 1B00  BALINESE SIGN ULU RICEM  
= ardhacandra
- 1B01  BALINESE SIGN ULU CANDRA  
= candrabindu
- 1B02  BALINESE SIGN CECEK  
= anusvara
- 1B03  BALINESE SIGN SURANG  
= repha
- 1B04  BALINESE SIGN BISAH  
= visarga

**Independent vowels**

- 1B05  BALINESE LETTER AKARA  
= a
- 1B06  BALINESE LETTER AKARA TEDUNG  
= aa  
≡ 1B05  1B35  ○<sup>◌</sup>
- 1B07  BALINESE LETTER IKARA  
= i
- 1B08  BALINESE LETTER IKARA TEDUNG  
= ii  
≡ 1B07  1B35  ○<sup>◌</sup>
- 1B09  BALINESE LETTER UKARA  
= u
- 1B0A  BALINESE LETTER UKARA TEDUNG  
= uu  
≡ 1B09  1B35  ○<sup>◌</sup>
- 1B0B  BALINESE LETTER RA REPA  
= vocalic r
- 1B0C  BALINESE LETTER RA REPA TEDUNG  
= vocalic rr  
≡ 1B0B  1B35  ○<sup>◌</sup>
- 1B0D  BALINESE LETTER LA LENGA  
= vocalic l
- 1B0E  BALINESE LETTER LA LENGA TEDUNG  
= vocalic ll  
≡ 1B0D  1B35  ○<sup>◌</sup>
- 1B0F  BALINESE LETTER EKARA  
= e
- 1B10  BALINESE LETTER AIKARA  
= ai
- 1B11  BALINESE LETTER OKARA  
= o
- 1B12  BALINESE LETTER OKARA TEDUNG  
= au  
≡ 1B11  1B35  ○<sup>◌</sup>

**Consonants**








- 1B13  BALINESE LETTER KA
- 1B14  BALINESE LETTER KA MAHAPRANA  
= kha
- 1B15  BALINESE LETTER GA
- 1B16  BALINESE LETTER GA GORA  
= gha
- 1B17  BALINESE LETTER NGA
- 1B18  BALINESE LETTER CA
- 1B19  BALINESE LETTER CA LACA  
= cha
- 1B1A  BALINESE LETTER JA
- 1B1B  BALINESE LETTER JA JERA  
= jha
- 1B1C  BALINESE LETTER NYA
- 1B1D  BALINESE LETTER TA LATIK  
= tta

- 1B1E  BALINESE LETTER TA MURDA MAHAPRANA  
= ttha
- 1B1F  BALINESE LETTER DA MURDA ALPAPRANA  
= dda
- 1B20  BALINESE LETTER DA MURDA MAHAPRANA  
= ddha
- 1B21  BALINESE LETTER NA RAMBAT  
= nna
- 1B22  BALINESE LETTER TA
- 1B23  BALINESE LETTER TA TAWA  
= tha
- 1B24  BALINESE LETTER DA
- 1B25  BALINESE LETTER DA MADU  
= dha
- 1B26  BALINESE LETTER NA
- 1B27  BALINESE LETTER PA
- 1B28  BALINESE LETTER PA KAPAL  
= pha
- 1B29  BALINESE LETTER BA
- 1B2A  BALINESE LETTER BA KEMBANG  
= bha
- 1B2B  BALINESE LETTER MA
- 1B2C  BALINESE LETTER YA
- 1B2D  BALINESE LETTER RA
- 1B2E  BALINESE LETTER LA
- 1B2F  BALINESE LETTER WA
- 1B30  BALINESE LETTER SA SAGA  
= sha
- 1B31  BALINESE LETTER SA SAPA  
= ssa
- 1B32  BALINESE LETTER SA
- 1B33  BALINESE LETTER HA

**Sign**

- 1B34  BALINESE SIGN REREKAN  
= nukta

**Dependent vowel signs**

- 1B35  BALINESE VOWEL SIGN TEDUNG  
= aa
- 1B36  BALINESE VOWEL SIGN ULU  
= i
- 1B37  BALINESE VOWEL SIGN ULU SARI  
= ii
- 1B38  BALINESE VOWEL SIGN SUKU  
= u
- 1B39  BALINESE VOWEL SIGN SUKU ILUT  
= uu
- 1B3A  BALINESE VOWEL SIGN RA REPA  
= vocalic r
- 1B3B  BALINESE VOWEL SIGN RA REPA TEDUNG  
= vocalic rr  
≡ 1B3A  1B35  ○<sup>◌</sup>
- 1B3C  BALINESE VOWEL SIGN LA LENGA  
= vocalic l
- 1B3D  BALINESE VOWEL SIGN LA LENGA TEDUNG  
= vocalic ll  
≡ 1B3C  1B35  ○<sup>◌</sup>
- 1B3E  BALINESE VOWEL SIGN TALING  
= e
- 1B3F  BALINESE VOWEL SIGN TALING REPA  
= ai
- 1B40  BALINESE VOWEL SIGN TALING TEDUNG  
= o  
≡ 1B3E  1B35  ○<sup>◌</sup>

1B41 ꦏꦺ BALINESE VOWEL SIGN TALING REPA TEDUNG  
= au  
≡ 1B3Fꦏꦺ 1B35 ꦏꦺ

1B42 ꦏꦺ BALINESE VOWEL SIGN PEPET  
= ae

1B43 ꦏꦺꦴ BALINESE VOWEL SIGN PEPET TEDUNG  
= oe  
≡ 1B42 ꦏꦺꦴ 1B35 ꦏꦺꦴ

**Sign**

1B44 ꦏꦺ BALINESE ADEG ADEG  
= virama

**Additional consonants**

1B45 ꦏꦺ BALINESE LETTER KAF SASAK

1B46 ꦏꦺ BALINESE LETTER KHOT SASAK

1B47 ꦏꦺ BALINESE LETTER TZIR SASAK

1B48 ꦏꦺ BALINESE LETTER EF SASAK

1B49 ꦏꦺ BALINESE LETTER VE SASAK

1B4A ꦏꦺ BALINESE LETTER ZAL SASAK

1B4B ꦏꦺ BALINESE LETTER ASYURA SASAK

**Digits**

1B50 ꦏꦺ BALINESE DIGIT ZERO

1B51 ꦏꦺ BALINESE DIGIT ONE

1B52 ꦏꦺ BALINESE DIGIT TWO

1B53 ꦏꦺ BALINESE DIGIT THREE

1B54 ꦏꦺ BALINESE DIGIT FOUR

1B55 ꦏꦺ BALINESE DIGIT FIVE

1B56 ꦏꦺ BALINESE DIGIT SIX

1B57 ꦏꦺ BALINESE DIGIT SEVEN

1B58 ꦏꦺ BALINESE DIGIT EIGHT

1B59 ꦏꦺ BALINESE DIGIT NINE

**Punctuation**

1B5A ꦏꦺ BALINESE PANTI  
= section

1B5B ꦏꦺ BALINESE PAMADA  
= honorific section

1B5C ꦏꦺ BALINESE WINDU  
= punctuation ring

1B5D ꦏꦺ BALINESE CARIK PAMUNGKAH  
= colon

1B5E ꦏꦺ BALINESE CARIK SIKI  
= danda

→ 0964 I devanagari danda

1B5F ꦏꦺ BALINESE CARIK PAREREN  
= double danda

→ 0965 II devanagari double danda

1B60 ꦏꦺ BALINESE PAMENENG  
= line-breaking hyphen

**Musical symbols for notes**

1B61 ꦏꦺ BALINESE MUSICAL SYMBOL DONG

1B62 ꦏꦺ BALINESE MUSICAL SYMBOL DENG

1B63 ꦏꦺ BALINESE MUSICAL SYMBOL DUNG

1B64 ꦏꦺ BALINESE MUSICAL SYMBOL DANG

1B65 ꦏꦺ BALINESE MUSICAL SYMBOL DANG SURANG

1B66 ꦏꦺ BALINESE MUSICAL SYMBOL DING

1B67 ꦏꦺ BALINESE MUSICAL SYMBOL DAENG

1B68 ꦏꦺ BALINESE MUSICAL SYMBOL DEUNG

1B69 ꦏꦺ BALINESE MUSICAL SYMBOL DAING

1B6A ꦏꦺ BALINESE MUSICAL SYMBOL DANG GEDE

**Diacritical marks for musical symbols**

1B6B ꦏꦺ BALINESE MUSICAL SYMBOL COMBINING  
TEGEH

1B6C ꦏꦺ BALINESE MUSICAL SYMBOL COMBINING  
ENDEP

1B6D ꦏꦺ BALINESE MUSICAL SYMBOL COMBINING  
KEMPUL

1B6E ꦏꦺ BALINESE MUSICAL SYMBOL COMBINING  
KEMPLI

1B6F ꦏꦺ BALINESE MUSICAL SYMBOL COMBINING  
JEGOGAN

1B70 ꦏꦺ BALINESE MUSICAL SYMBOL COMBINING  
KEMPUL WITH JEGOGAN

1B71 ꦏꦺ BALINESE MUSICAL SYMBOL COMBINING  
KEMPLI WITH JEGOGAN

1B72 ꦏꦺ BALINESE MUSICAL SYMBOL COMBINING  
BENDE

1B73 ꦏꦺ BALINESE MUSICAL SYMBOL COMBINING  
GONG

**Musical symbols**

1B74 ꦏꦺ BALINESE MUSICAL SYMBOL RIGHT-HAND  
OPEN DUG

1B75 ꦏꦺ BALINESE MUSICAL SYMBOL RIGHT-HAND  
OPEN DAG

1B76 ꦏꦺ BALINESE MUSICAL SYMBOL RIGHT-HAND  
CLOSED TUK

1B77 ꦏꦺ BALINESE MUSICAL SYMBOL RIGHT-HAND  
CLOSED TAK

































































1B78 ꦏꦺ BALINESE MUSICAL SYMBOL LEFT-HAND OPEN  
PANG

1B79 ꦏꦺ BALINESE MUSICAL SYMBOL LEFT-HAND OPEN  
PUNG

1B7A ꦏꦺ BALINESE MUSICAL SYMBOL LEFT-HAND  
CLOSED PLAK

1B7B ꦏꦺ BALINESE MUSICAL SYMBOL LEFT-HAND  
CLOSED PLUK

1B7C ꦏꦺ BALINESE MUSICAL SYMBOL LEFT-HAND OPEN  
PING

	1B8	1B9	1BA	1BB
0	 1B80	 1B90	 1BA0	 1BB0
1	 1B81	 1B91	 1BA1	 1BB1
2	 1B82	 1B92	 1BA2	 1BB2
3	 1B83	 1B93	 1BA3	 1BB3
4	 1B84	 1B94	 1BA4	 1BB4
5	 1B85	 1B95	 1BA5	 1BB5
6	 1B86	 1B96	 1BA6	 1BB6
7	 1B87	 1B97	 1BA7	 1BB7
8	 1B88	 1B98	 1BA8	 1BB8
9	 1B89	 1B99	 1BA9	 1BB9
A	 1B8A	 1B9A	 1BAA	
B	 1B8B	 1B9B		
C	 1B8C	 1B9C		
D	 1B8D	 1B9D		
E	 1B8E	 1B9E	 1BAE	
F	 1B8F	 1B9F	 1BAF	

**Various signs**

1B80	◌̇	SUNDANESE SIGN PANYECEK = anusvara
1B81	◌̆	SUNDANESE SIGN PANGLAYAR = repha
1B82	◌̈́	SUNDANESE SIGN PANGWISAD = visarga

**Vowels**

1B83	ᮘ	SUNDANESE LETTER A
1B84	ᮙ	SUNDANESE LETTER I
1B85	ᮚ	SUNDANESE LETTER U
1B86	ᮛ	SUNDANESE LETTER AE
1B87	ᮜ	SUNDANESE LETTER O
1B88	ᮝ	SUNDANESE LETTER E
1B89	ᮞ	SUNDANESE LETTER EU

**Consonants**

1B8A	ᮟ	SUNDANESE LETTER KA
1B8B	ᮠ	SUNDANESE LETTER QA
1B8C	ᮡ	SUNDANESE LETTER GA
1B8D	ᮢ	SUNDANESE LETTER NGA
1B8E	ᮣ	SUNDANESE LETTER CA
1B8F	ᮤ	SUNDANESE LETTER JA
1B90	ᮥ	SUNDANESE LETTER ZA
1B91	ᮦ	SUNDANESE LETTER NYA
1B92	ᮧ	SUNDANESE LETTER TA
1B93	ᮨ	SUNDANESE LETTER DA
1B94	ᮩ	SUNDANESE LETTER NA
1B95	᮪	SUNDANESE LETTER PA
1B96	᮫	SUNDANESE LETTER FA
1B97	ᮬ	SUNDANESE LETTER VA
1B98	ᮭ	SUNDANESE LETTER BA
1B99	ᮮ	SUNDANESE LETTER MA
1B9A	ᮯ	SUNDANESE LETTER YA
1B9B	᮰	SUNDANESE LETTER RA
1B9C	᮱	SUNDANESE LETTER LA
1B9D	᮲	SUNDANESE LETTER WA
1B9E	᮳	SUNDANESE LETTER SA
1B9F	᮴	SUNDANESE LETTER XA
1BA0	᮵	SUNDANESE LETTER HA

**Consonants signs**

1BA1	◌̣	SUNDANESE CONSONANT SIGN PAMINGKAL = subjoined ya
1BA2	◌̤	SUNDANESE CONSONANT SIGN PANYAKRA = subjoined ra
1BA3	◌̥	SUNDANESE CONSONANT SIGN PANYIKU = subjoined la

**Vowel signs**

1BA4	◌̇̇	SUNDANESE VOWEL SIGN PANGHULU = i
1BA5	◌̇̈	SUNDANESE VOWEL SIGN PANYUKU = u
1BA6	◌̇̆̆	SUNDANESE VOWEL SIGN PANAELAENG = ae
1BA7	◌̇̈́	SUNDANESE VOWEL SIGN PANOLONG = o
1BA8	◌̇̆̈	SUNDANESE VOWEL SIGN PAMEPET = e
1BA9	◌̇̆̆̈́	SUNDANESE VOWEL SIGN PANEULEUNG = eu

**Virama**











































































1BAA	◌̈́	SUNDANESE SIGN PAMAAEH = virama • does not form conjuncts
------	-----	---

**Additional consonants**

1BAE	ᮞᮞ	SUNDANESE LETTER KHA
1BAF	ᮞᮞᮞ	SUNDANESE LETTER SYA

**Digits**

1BB0	ᮠ	SUNDANESE DIGIT ZERO
1BB1	ᮡ	SUNDANESE DIGIT ONE
1BB2	ᮢ	SUNDANESE DIGIT TWO
1BB3	ᮣ	SUNDANESE DIGIT THREE
1BB4	ᮤ	SUNDANESE DIGIT FOUR
1BB5	ᮥ	SUNDANESE DIGIT FIVE
1BB6	ᮦ	SUNDANESE DIGIT SIX
1BB7	ᮧ	SUNDANESE DIGIT SEVEN
1BB8	ᮨ	SUNDANESE DIGIT EIGHT
1BB9	ᮩ	SUNDANESE DIGIT NINE

	1C0	1C1	1C2	1C3	1C4
0	 1C00	 1C10	 1C20	 1C30	 1C40
1	 1C01	 1C11	 1C21	 1C31	 1C41
2	 1C02	 1C12	 1C22	 1C32	 1C42
3	 1C03	 1C13	 1C23	 1C33	 1C43
4	 1C04	 1C14	 1C24	 1C34	 1C44
5	 1C05	 1C15	 1C25	 1C35	 1C45
6	 1C06	 1C16	 1C26	 1C36	 1C46
7	 1C07	 1C17	 1C27	 1C37	 1C47
8	 1C08	 1C18	 1C28		 1C48
9	 1C09	 1C19	 1C29		 1C49
A	 1C0A	 1C1A	 1C2A		
B	 1C0B	 1C1B	 1C2B	 1C3B	
C	 1C0C	 1C1C	 1C2C	 1C3C	
D	 1C0D	 1C1D	 1C2D	 1C3D	 1C4D
E	 1C0E	 1C1E	 1C2E	 1C3E	 1C4E
F	 1C0F	 1C1F	 1C2F	 1C3F	 1C4F

**Consonants**

1C00	ᱠ	LEPCHA LETTER KA
1C01	ᱡ	LEPCHA LETTER KLA
1C02	ᱢ	LEPCHA LETTER KHA
1C03	ᱣ	LEPCHA LETTER GA
1C04	ᱤ	LEPCHA LETTER GLA
1C05	ᱥ	LEPCHA LETTER NGA
1C06	ᱦ	LEPCHA LETTER CA
1C07	ᱧ	LEPCHA LETTER CHA
1C08	ᱨ	LEPCHA LETTER JA
1C09	ᱩ	LEPCHA LETTER NYA
1C0A	ᱪ	LEPCHA LETTER TA
1C0B	ᱫ	LEPCHA LETTER THA
1C0C	ᱬ	LEPCHA LETTER DA
1C0D	ᱭ	LEPCHA LETTER NA
1C0E	ᱮ	LEPCHA LETTER PA
1C0F	ᱯ	LEPCHA LETTER PLA
1C10	ᱰ	LEPCHA LETTER PHA
1C11	ᱱ	LEPCHA LETTER FA
1C12	ᱲ	LEPCHA LETTER FLA
1C13	ᱳ	LEPCHA LETTER BA
1C14	ᱴ	LEPCHA LETTER BLA
1C15	ᱵ	LEPCHA LETTER MA
1C16	ᱶ	LEPCHA LETTER MLA
1C17	ᱷ	LEPCHA LETTER TSA
1C18	ᱸ	LEPCHA LETTER TSHA
1C19	ᱹ	LEPCHA LETTER DZA
1C1A	ᱺ	LEPCHA LETTER YA
1C1B	ᱻ	LEPCHA LETTER RA
1C1C	ᱼ	LEPCHA LETTER LA
1C1D	ᱽ	LEPCHA LETTER HA
1C1E	᱾	LEPCHA LETTER HLA
1C1F	᱿	LEPCHA LETTER VA
1C20	ᱠ	LEPCHA LETTER SA
1C21	ᱡ	LEPCHA LETTER SHA
1C22	ᱢ	LEPCHA LETTER WA
1C23	ᱣ	LEPCHA LETTER A

**Subjoined consonants**

1C24	ᱠᱡ	LEPCHA SUBJOINED LETTER YA
1C25	ᱡᱢ	LEPCHA SUBJOINED LETTER RA

**Dependent vowels**

1C26	ᱠᱢ	LEPCHA VOWEL SIGN AA
1C27	ᱠᱣ	LEPCHA VOWEL SIGN I
1C28	ᱠᱤ	LEPCHA VOWEL SIGN O
1C29	ᱠᱥ	LEPCHA VOWEL SIGN OO
1C2A	ᱠᱦ	LEPCHA VOWEL SIGN U
1C2B	ᱠᱧ	LEPCHA VOWEL SIGN UU
1C2C	ᱠᱨ	LEPCHA VOWEL SIGN E

**Consonant signs**

1C2D	ᱠᱩ	LEPCHA CONSONANT SIGN K
1C2E	ᱠᱪ	LEPCHA CONSONANT SIGN M
1C2F	ᱠᱫ	LEPCHA CONSONANT SIGN L
1C30	ᱠᱬ	LEPCHA CONSONANT SIGN N
1C31	ᱠᱭ	LEPCHA CONSONANT SIGN P
1C32	ᱠᱮ	LEPCHA CONSONANT SIGN R
1C33	ᱠᱯ	LEPCHA CONSONANT SIGN T
1C34	ᱠᱰ	LEPCHA CONSONANT SIGN NYIN-DO
1C35	ᱠᱱ	LEPCHA CONSONANT SIGN KANG

**Various signs**

1C36	ᱠᱡ	LEPCHA SIGN RAN
1C37	ᱠᱢ	LEPCHA SIGN NUKTA

**Punctuation**

1C3B	ᱠᱣ	LEPCHA PUNCTUATION TA-ROL
1C3C	ᱠᱤ	LEPCHA PUNCTUATION NYET THYOOM TA-ROL
1C3D	ᱠᱥ	LEPCHA PUNCTUATION CER-WA
1C3E	ᱠᱦ	LEPCHA PUNCTUATION TSHOOK CER-WA
1C3F	ᱠᱧ	LEPCHA PUNCTUATION TSHOOK

**Digits**

1C40	ᱠᱨ	LEPCHA DIGIT ZERO
1C41	ᱠᱩ	LEPCHA DIGIT ONE
1C42	ᱠᱪ	LEPCHA DIGIT TWO
1C43	ᱠᱫ	LEPCHA DIGIT THREE
1C44	ᱠᱬ	LEPCHA DIGIT FOUR
1C45	ᱠᱭ	LEPCHA DIGIT FIVE
1C46	ᱠᱮ	LEPCHA DIGIT SIX
1C47	ᱠᱯ	LEPCHA DIGIT SEVEN
1C48	ᱠᱰ	LEPCHA DIGIT EIGHT
1C49	ᱠᱱ	LEPCHA DIGIT NINE

**Additional letters**

1C4D	ᱠᱲ	LEPCHA LETTER TTA
1C4E	ᱠᱳ	LEPCHA LETTER TTHA
1C4F	ᱠᱴ	LEPCHA LETTER DDA

	1C5	1C6	1C7
0	0 1C50	b 1C60	⓪ 1C70
1	𑄠 1C51	𑄡 1C61	𑄢 1C71
2	𑄣 1C52	𑄤 1C62	𑄥 1C72
3	𑄧 1C53	𑄨 1C63	𑄩 1C73
4	𑄫 1C54	𑄬 1C64	𑄭 1C74
5	𑄯 1C55	𑄰 1C65	𑄱 1C75
6	𑄴 1C56	𑄵 1C66	𑄶 1C76
7	𑄹 1C57	𑄺 1C67	𑄻 1C77
8	𑄿 1C58	𑅀 1C68	· 1C78
9	𑅄 1C59	𑅅 1C69	· 1C79
A	𑅈 1C5A	𑅉 1C6A	· 1C7A
B	𑅌 1C5B	𑅍 1C6B	~ 1C7B
C	𑅐 1C5C	𑅑 1C6C	- 1C7C
D	𑅕 1C5D	𑅖 1C6D	𑅗 1C7D
E	𑅛 1C5E	𑅜 1C6E	𑅝 1C7E
F	𑅟 1C5F	𑅠 1C6F	𑅡 1C7F

**Digits**

1C50	0	OL CHIKI DIGIT ZERO
1C51	𑄠	OL CHIKI DIGIT ONE
1C52	𑄣	OL CHIKI DIGIT TWO
1C53	𑄧	OL CHIKI DIGIT THREE
1C54	𑄫	OL CHIKI DIGIT FOUR
1C55	𑄯	OL CHIKI DIGIT FIVE
1C56	𑄴	OL CHIKI DIGIT SIX
1C57	𑄹	OL CHIKI DIGIT SEVEN
1C58	𑄿	OL CHIKI DIGIT EIGHT
1C59	𑅄	OL CHIKI DIGIT NINE

**Letters**

















































1C5A	𑅈	OL CHIKI LETTER LA
1C5B	𑅌	OL CHIKI LETTER AT
1C5C	𑅐	OL CHIKI LETTER AG
1C5D	𑅕	OL CHIKI LETTER ANG
1C5E	𑅛	OL CHIKI LETTER AL
1C5F	𑅟	OL CHIKI LETTER LAA
1C60	𑄠	OL CHIKI LETTER AAK
1C61	𑄡	OL CHIKI LETTER AAJ
1C62	𑄣	OL CHIKI LETTER AAM
1C63	𑄧	OL CHIKI LETTER AAW
1C64	𑄫	OL CHIKI LETTER LI
1C65	𑄬	OL CHIKI LETTER IS
1C66	𑄵	OL CHIKI LETTER IH
1C67	𑄺	OL CHIKI LETTER INY
1C68	𑄻	OL CHIKI LETTER IR
1C69	𑄼	OL CHIKI LETTER LU
1C6A	𑄾	OL CHIKI LETTER UC
1C6B	𑄿	OL CHIKI LETTER UD
1C6C	𑅁	OL CHIKI LETTER UNN
1C6D	𑅖	OL CHIKI LETTER UY
1C6E	𑅜	OL CHIKI LETTER LE
1C6F	𑅠	OL CHIKI LETTER EP
1C70	𑄱	OL CHIKI LETTER EDD
1C71	𑄢	OL CHIKI LETTER EN
1C72	𑄥	OL CHIKI LETTER ERR
1C73	𑄩	OL CHIKI LETTER LO
1C74	𑄭	OL CHIKI LETTER OTT
1C75	𑄱	OL CHIKI LETTER OB
1C76	𑄶	OL CHIKI LETTER OV
1C77	𑄻	OL CHIKI LETTER OH

**Modifier letters**

1C78	·	OL CHIKI MU TTUDDAG • nasalization mark
1C79	·	OL CHIKI GAAHLAA TTUDDAAG • vowel modifier
1C7A	:	OL CHIKI MU-GAAHLAA TTUDDAAG
1C7B	~	OL CHIKI RELAA • length mark
1C7C	-	OL CHIKI PHAARKAA • glottal protector
1C7D	𑅗	OL CHIKI AHAD • deglottalizes consonants

**Punctuation**

1C7E	𑅝	OL CHIKI PUNCTUATION MUCAAD
1C7F	𑅡	OL CHIKI PUNCTUATION DOUBLE MUCAAD

	1CD	1CE	1CF
0	 1CD0	 1CE0	 1CF0
1	 1CD1	 1CE1	 1CF1
2	 1CD2	 1CE2	 1CF2
3	 1CD3	 1CE3	
4	 1CD4	 1CE4	
5	 1CD5	 1CE5	
6	 1CD6	 1CE6	
7	 1CD7	 1CE7	
8	 1CD8	 1CE8	
9	 1CD9	 1CE9	
A	 1CDA	 1CEA	
B	 1CDB	 1CEB	
C	 1CDC	 1CEC	
D	 1CDD	 1CED	
E	 1CDE	 1CEE	
F	 1CDF	 1CEF	





**Tone marks for the Samaveda**

- 1CD0  VEDIC TONE KARSHANA  
= vaidika saamasvara karshanna
- 1CD1  VEDIC TONE SHARA  
= vaidika svarita uurdhva shara
- 1CD2  VEDIC TONE PRENKHA  
• indicates vibrato  
= vaidika saamasvara prenkha
- 1CD3  VEDIC SIGN NIHSHVASA  
= vaidika saamagaana yogakaala

**Signs for Yajurvedic**

- 1CD4  VEDIC SIGN YAJURVEDIC MIDLINE SVARITA  
• also used in the Vajasaneyi Madhyandina Samhita
- 1CD5  VEDIC TONE YAJURVEDIC AGGRAVATED INDEPENDENT SVARITA  
= vaidika svarita adho nyubja
- 1CD6  VEDIC TONE YAJURVEDIC INDEPENDENT SVARITA  
= vaidika svarita adhah konna
- 1CD7  VEDIC TONE YAJURVEDIC KATHAKA INDEPENDENT SVARITA  
= vaidika svarita adho vakra rekhaa
- 1CD8  VEDIC TONE CANDRA BELOW  
= vaidika svarita adho'rdha vakra
- 1CD9  VEDIC TONE YAJURVEDIC KATHAKA INDEPENDENT SVARITA SCHROEDER  
= vaidika svarita adhah samyukta rekhaa
- 1CDA  VEDIC TONE DOUBLE SVARITA  
= vaidika svarita uurdhva dvi rekhaa  
→ 0951  devanagari stress sign udatta
- 1CDB  VEDIC TONE TRIPLE SVARITA  
= vaidika svarita uurdhva tri rekhaa
- 1CDC  VEDIC TONE KATHAKA ANUDATTA  
= vaidika svarita adho rekhaa  
→ 0952  devanagari stress sign anudatta
- 1CDD  VEDIC TONE DOT BELOW  
= vaidika svarita adho bindu

**Tone marks for the Satapathabrahmana**

- 1CDE  VEDIC TONE TWO DOTS BELOW  
= vaidika svarita adho dvi bindu
- 1CDF  VEDIC TONE THREE DOTS BELOW  
= vaidika svarita adhas tri bindu





**Tone mark for the Rigveda**



- 1CE0  VEDIC TONE RIGVEDIC KASHMIRI INDEPENDENT SVARITA  
= vaidika uurdhva vakra rekhaa

**Tone mark for the Atharvaveda**










- 1CE1  VEDIC TONE ATHARVAVEDIC INDEPENDENT SVARITA  
= vaidika svarita dvi vakra khaanda

**Diacritics for visarga**




- 1CE2  VEDIC SIGN VISARGA SVARITA  
= vaidika madhyarekhaa
- 1CE3  VEDIC SIGN VISARGA UDATTA  
= vaidika visarga dakshinnatah uurdhvaga
- 1CE4  VEDIC SIGN REVERSED VISARGA UDATTA  
= vaidika visarga vaamatah uurdhvaga
- 1CE5  VEDIC SIGN VISARGA ANUDATTA  
= vaidika visarga vaamatah adhoga
- 1CE6  VEDIC SIGN REVERSED VISARGA ANUDATTA  
= vaidika visarga dakshinnatah adhoga

- 1CE7  VEDIC SIGN VISARGA UDATTA WITH TAIL  
= vaidika visarga dakshinnatah uurdhva vakra
- 1CE8  VEDIC SIGN VISARGA ANUDATTA WITH TAIL  
= vaidika visarga vaamatah adho vakra

**Marks of nasalization**

- 1CE9  VEDIC SIGN ANUSVARA ANTARGOMUKHA  
= vaidika anusvaara antarmukha
- 1CEA  VEDIC SIGN ANUSVARA BAHIRGOMUKHA  
= vaidika anusvaara naagaphanna
- 1CEB  VEDIC SIGN ANUSVARA VAMAGOMUKHA  
= vaidika anusvaara vaamagomukha
- 1CEC  VEDIC SIGN ANUSVARA VAMAGOMUKHA WITH TAIL  
= vaidika anusvaara vaamagomukha sa-vakra
- 1CED  VEDIC SIGN TIRYAK  
= vaidika tiryak
- 1CEE  VEDIC SIGN HEXIFORM LONG ANUSVARA  
= vaidika anusvaara anugaamii
- 1CEF  VEDIC SIGN LONG ANUSVARA  
= vaidika anusvaara dakshinnamukha
- 1CF0  VEDIC SIGN RTHANG LONG ANUSVARA  
= vaidika anusvaara ttha-sadrisha
- 1CF1  VEDIC SIGN ANUSVARA UBHAYATO MUKHA  
= vaidika anusvaara ubhayato mukha

**Ardhavisarga**

- 1CF2  VEDIC SIGN ARDHAVISARGA  
= vaidika jihvaamuuliiya upadhmaaniya  
→ 0CF1  kannada sign jihvamuliya  
→ 0CF2  kannada sign upadhmaniya

	1D0	1D1	1D2	1D3	1D4	1D5	1D6	1D7
0	À 1D00	Á 1D10	Â 1D20	Ã 1D30	Ä 1D40	Å 1D50	Æ 1D60	Ç 1D70
1	Ð 1D01	Ñ 1D11	Ò 1D21	Ó 1D31	Ô 1D41	Õ 1D51	Ö 1D61	× 1D71
2	Ø 1D02	Ù 1D12	Ú 1D22	Û 1D32	Ü 1D42	Ý 1D52	ÿ 1D62	ƒ 1D72
3	Ɔ 1D03	Ɖ 1D13	Ɛ 1D23	Ɔ 1D33	Ɓ 1D43	Ƅ 1D53	Ɔ 1D63	ƒ 1D73
4	Ɔ 1D04	Ɖ 1D14	Ɛ 1D24	Ɔ 1D34	Ɓ 1D44	Ƅ 1D54	Ɔ 1D64	ƒ 1D74
5	Ɔ 1D05	Ɖ 1D15	Ɛ 1D25	Ɔ 1D35	Ɓ 1D45	Ƅ 1D55	Ɔ 1D65	ƒ 1D75
6	Ɔ 1D06	Ɖ 1D16	Ɛ 1D26	Ɔ 1D36	Ɓ 1D46	Ƅ 1D56	Ɔ 1D66	ƒ 1D76
7	Ɔ 1D07	Ɖ 1D17	Ɛ 1D27	Ɔ 1D37	Ɓ 1D47	Ƅ 1D57	Ɔ 1D67	ƒ 1D77
8	Ɔ 1D08	Ɖ 1D18	Ɛ 1D28	Ɔ 1D38	Ɓ 1D48	Ƅ 1D58	Ɔ 1D68	ƒ 1D78
9	Ɔ 1D09	Ɖ 1D19	Ɛ 1D29	Ɔ 1D39	Ɓ 1D49	Ƅ 1D59	Ɔ 1D69	ƒ 1D79
A	Ɔ 1D0A	Ɖ 1D1A	Ɛ 1D2A	Ɔ 1D3A	Ɓ 1D4A	Ƅ 1D5A	Ɔ 1D6A	ƒ 1D7A
B	Ɔ 1D0B	Ɖ 1D1B	Ɛ 1D2B	Ɔ 1D3B	Ɓ 1D4B	Ƅ 1D5B	Ɔ 1D6B	ƒ 1D7B
C	Ɔ 1D0C	Ɖ 1D1C	Ɛ 1D2C	Ɔ 1D3C	Ɓ 1D4C	Ƅ 1D5C	Ɔ 1D6C	ƒ 1D7C
D	Ɔ 1D0D	Ɖ 1D1D	Ɛ 1D2D	Ɔ 1D3D	Ɓ 1D4D	Ƅ 1D5D	Ɔ 1D6D	ƒ 1D7D
E	Ɔ 1D0E	Ɖ 1D1E	Ɛ 1D2E	Ɔ 1D3E	Ɓ 1D4E	Ƅ 1D5E	Ɔ 1D6E	ƒ 1D7E
F	Ɔ 1D0F	Ɖ 1D1F	Ɛ 1D2F	Ɔ 1D3F	Ɓ 1D4F	Ƅ 1D5F	Ɔ 1D6F	ƒ 1D7F

These are non-IPA phonetic extensions, mostly for the Uralic Phonetic Alphabet (UPA).

The small capitals, superscript, and subscript forms are for phonetic representations where style variations are semantically important.

For general text, use regular Latin, Greek or Cyrillic letters with markup instead.

#### Latin letters

1D00	A	LATIN LETTER SMALL CAPITAL A
1D01	Æ	LATIN LETTER SMALL CAPITAL AE
1D02	æ	LATIN SMALL LETTER TURNED AE • glyph can also have sideways orientation
1D03	B̄	LATIN LETTER SMALL CAPITAL BARRED B
1D04	C	LATIN LETTER SMALL CAPITAL C
1D05	D	LATIN LETTER SMALL CAPITAL D
1D06	D̄	LATIN LETTER SMALL CAPITAL ETH
1D07	E	LATIN LETTER SMALL CAPITAL E
1D08	ɜ	LATIN SMALL LETTER TURNED OPEN E
1D09	İ	LATIN SMALL LETTER TURNED I
1D0A	J	LATIN LETTER SMALL CAPITAL J
1D0B	K	LATIN LETTER SMALL CAPITAL K
1D0C	Ł	LATIN LETTER SMALL CAPITAL L WITH STROKE
1D0D	M	LATIN LETTER SMALL CAPITAL M
1D0E	Ɲ	LATIN LETTER SMALL CAPITAL REVERSED N
1D0F	O	LATIN LETTER SMALL CAPITAL O
1D10	ɔ	LATIN LETTER SMALL CAPITAL OPEN O
1D11	o	LATIN SMALL LETTER SIDEWAYS O
1D12	o	LATIN SMALL LETTER SIDEWAYS OPEN O
1D13	œ	LATIN SMALL LETTER SIDEWAYS O WITH STROKE
1D14	œ	LATIN SMALL LETTER TURNED OE • glyph can also have sideways orientation
1D15	ø	LATIN LETTER SMALL CAPITAL OU
1D16	ʌ	LATIN SMALL LETTER TOP HALF O
1D17	ʋ	LATIN SMALL LETTER BOTTOM HALF O
1D18	P	LATIN LETTER SMALL CAPITAL P • represents a semi-voiced [p]
1D19	ɹ	LATIN LETTER SMALL CAPITAL REVERSED R
1D1A	ɹ	LATIN LETTER SMALL CAPITAL TURNED R
1D1B	T	LATIN LETTER SMALL CAPITAL T
1D1C	U	LATIN LETTER SMALL CAPITAL U
1D1D	ɥ	LATIN SMALL LETTER SIDEWAYS U
1D1E	ɥ	LATIN SMALL LETTER SIDEWAYS DIAERESIZED U • glyph can also have turned orientation
1D1F	Ʒ	LATIN SMALL LETTER SIDEWAYS TURNED M
1D20	V	LATIN LETTER SMALL CAPITAL V
1D21	W	LATIN LETTER SMALL CAPITAL W
1D22	Z	LATIN LETTER SMALL CAPITAL Z
1D23	Ʒ	LATIN LETTER SMALL CAPITAL EZH
1D24	ʔ	LATIN LETTER VOICED LARYNGEAL SPIRANT
1D25	ʀ	LATIN LETTER AIN

#### Greek letters

1D26	Γ	GREEK LETTER SMALL CAPITAL GAMMA
1D27	Λ	GREEK LETTER SMALL CAPITAL LAMDA
1D28	Π	GREEK LETTER SMALL CAPITAL PI
1D29	Ρ	GREEK LETTER SMALL CAPITAL RHO • represents a voiceless uvular trill
1D2A	Ψ	GREEK LETTER SMALL CAPITAL PSI

#### Cyrillic letter

1D2B	Ӏ	CYRILLIC LETTER SMALL CAPITAL EL • in italic style, the glyph is obliqued, not italicized → 043B Ӏ cyrillic small letter el
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#### Latin superscript modifier letters

1D2C	ᵃ	MODIFIER LETTER CAPITAL A ≈ <super> 0041 A
1D2D	ᵃ	MODIFIER LETTER CAPITAL AE ≈ <super> 00C6 Æ
1D2E	ᵃ	MODIFIER LETTER CAPITAL B ≈ <super> 0042 B
1D2F	ᵃ	MODIFIER LETTER CAPITAL BARRED B
1D30	ᵃ	MODIFIER LETTER CAPITAL D ≈ <super> 0044 D
1D31	ᵃ	MODIFIER LETTER CAPITAL E ≈ <super> 0045 E
1D32	ᵃ	MODIFIER LETTER CAPITAL REVERSED E ≈ <super> 018E Ǝ
1D33	ᵃ	MODIFIER LETTER CAPITAL G ≈ <super> 0047 G
1D34	ᵃ	MODIFIER LETTER CAPITAL H ≈ <super> 0048 H
1D35	ᵃ	MODIFIER LETTER CAPITAL I ≈ <super> 0049 I
1D36	ᵃ	MODIFIER LETTER CAPITAL J ≈ <super> 004A J
1D37	ᵃ	MODIFIER LETTER CAPITAL K ≈ <super> 004B K
1D38	ᵃ	MODIFIER LETTER CAPITAL L ≈ <super> 004C L
1D39	ᵃ	MODIFIER LETTER CAPITAL M ≈ <super> 004D M
1D3A	ᵃ	MODIFIER LETTER CAPITAL N ≈ <super> 004E N
1D3B	ᵃ	MODIFIER LETTER CAPITAL REVERSED N
1D3C	ᵃ	MODIFIER LETTER CAPITAL O ≈ <super> 004F O
1D3D	ᵃ	MODIFIER LETTER CAPITAL OU ≈ <super> 0222 8
1D3E	ᵃ	MODIFIER LETTER CAPITAL P ≈ <super> 0050 P
1D3F	ᵃ	MODIFIER LETTER CAPITAL R ≈ <super> 0052 R
1D40	ᵃ	MODIFIER LETTER CAPITAL T ≈ <super> 0054 T
1D41	ᵃ	MODIFIER LETTER CAPITAL U ≈ <super> 0055 U
1D42	ᵃ	MODIFIER LETTER CAPITAL W ≈ <super> 0057 W
1D43	ᵃ	MODIFIER LETTER SMALL A ≈ <super> 0061 a
1D44	ᵃ	MODIFIER LETTER SMALL TURNED A ≈ <super> 0250 ʁ
1D45	ᵃ	MODIFIER LETTER SMALL ALPHA ≈ <super> 0251 α
1D46	ᵃ	MODIFIER LETTER SMALL TURNED AE ≈ <super> 1D02 æ
1D47	ᵃ	MODIFIER LETTER SMALL B ≈ <super> 0062 b

1D48	<sup>d</sup>	MODIFIER LETTER SMALL D ≈ <super> 0064 d
1D49	<sup>e</sup>	MODIFIER LETTER SMALL E ≈ <super> 0065 e
1D4A	<sup>ə</sup>	MODIFIER LETTER SMALL SCHWA ≈ <super> 0259 ə
1D4B	<sup>ɛ</sup>	MODIFIER LETTER SMALL OPEN E ≈ <super> 025B ɛ
1D4C	<sup>ɜ</sup>	MODIFIER LETTER SMALL TURNED OPEN E • more appropriate equivalence would be to 1D08 ɜ ≈ <super> 025C ɜ
1D4D	<sup>g</sup>	MODIFIER LETTER SMALL G ≈ <super> 0067 g
1D4E	<sup>ɨ</sup>	MODIFIER LETTER SMALL TURNED I
1D4F	<sup>k</sup>	MODIFIER LETTER SMALL K ≈ <super> 006B k
1D50	<sup>m</sup>	MODIFIER LETTER SMALL M ≈ <super> 006D m
1D51	<sup>ŋ</sup>	MODIFIER LETTER SMALL ENG ≈ <super> 014B ŋ
1D52	<sup>o</sup>	MODIFIER LETTER SMALL O ≈ <super> 006F o
1D53	<sup>ɔ</sup>	MODIFIER LETTER SMALL OPEN O ≈ <super> 0254 ɔ
1D54	<sup>ˆ</sup>	MODIFIER LETTER SMALL TOP HALF O ≈ <super> 1D16 ˆ
1D55	<sup>˘</sup>	MODIFIER LETTER SMALL BOTTOM HALF O ≈ <super> 1D17 ˘
1D56	<sup>p</sup>	MODIFIER LETTER SMALL P ≈ <super> 0070 p
1D57	<sup>t</sup>	MODIFIER LETTER SMALL T ≈ <super> 0074 t
1D58	<sup>u</sup>	MODIFIER LETTER SMALL U ≈ <super> 0075 u
1D59	<sup>ɸ</sup>	MODIFIER LETTER SMALL SIDEWAYS U ≈ <super> 1D1D ɸ
1D5A	<sup>ɱ</sup>	MODIFIER LETTER SMALL TURNED M ≈ <super> 026F ɱ
1D5B	<sup>v</sup>	MODIFIER LETTER SMALL V ≈ <super> 0076 v
1D5C	<sup>ʌ</sup>	MODIFIER LETTER SMALL AIN ≈ <super> 1D25 ʌ

**Greek superscript modifier letters**

1D5D	<sup>β</sup>	MODIFIER LETTER SMALL BETA ≈ <super> 03B2 β
1D5E	<sup>γ</sup>	MODIFIER LETTER SMALL GREEK GAMMA ≈ <super> 03B3 γ
1D5F	<sup>δ</sup>	MODIFIER LETTER SMALL DELTA ≈ <super> 03B4 δ
1D60	<sup>φ</sup>	MODIFIER LETTER SMALL GREEK PHI ≈ <super> 03C6 φ
1D61	<sup>χ</sup>	MODIFIER LETTER SMALL CHI ≈ <super> 03C7 χ

**Latin subscript modifier letters**

1D62	<sub>i</sub>	LATIN SUBSCRIPT SMALL LETTER I ≈ <sub> 0069 i
1D63	<sub>r</sub>	LATIN SUBSCRIPT SMALL LETTER R ≈ <sub> 0072 r
1D64	<sub>u</sub>	LATIN SUBSCRIPT SMALL LETTER U ≈ <sub> 0075 u

1D65	<sub>v</sub>	LATIN SUBSCRIPT SMALL LETTER V ≈ <sub> 0076 v
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**Greek subscript modifier letters**

1D66	<sub>β</sub>	GREEK SUBSCRIPT SMALL LETTER BETA ≈ <sub> 03B2 β
1D67	<sub>γ</sub>	GREEK SUBSCRIPT SMALL LETTER GAMMA ≈ <sub> 03B3 γ
1D68	<sub>ρ</sub>	GREEK SUBSCRIPT SMALL LETTER RHO ≈ <sub> 03C1 ρ
1D69	<sub>φ</sub>	GREEK SUBSCRIPT SMALL LETTER PHI ≈ <sub> 03C6 φ
1D6A	<sub>χ</sub>	GREEK SUBSCRIPT SMALL LETTER CHI ≈ <sub> 03C7 χ

**Latin letter**

1D6B	ɶ	LATIN SMALL LETTER UE
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**Latin letters with middle tilde**

*An additional letter with middle tilde is found in another block.*

1D6C	ɸ	LATIN SMALL LETTER B WITH MIDDLE TILDE
1D6D	ɸ	LATIN SMALL LETTER D WITH MIDDLE TILDE
1D6E	ɸ	LATIN SMALL LETTER F WITH MIDDLE TILDE
1D6F	ɸ	LATIN SMALL LETTER M WITH MIDDLE TILDE
1D70	ɸ	LATIN SMALL LETTER N WITH MIDDLE TILDE
1D71	ɸ	LATIN SMALL LETTER P WITH MIDDLE TILDE
1D72	ɸ	LATIN SMALL LETTER R WITH MIDDLE TILDE
1D73	ɸ	LATIN SMALL LETTER R WITH FISHHOOK AND MIDDLE TILDE
1D74	ɸ	LATIN SMALL LETTER S WITH MIDDLE TILDE
1D75	ɸ	LATIN SMALL LETTER T WITH MIDDLE TILDE
1D76	ɸ	LATIN SMALL LETTER Z WITH MIDDLE TILDE

**Caucasian linguistics**

1D77	Ლ	LATIN SMALL LETTER TURNED G • Georgian transcription → 10F9 Ლ georgian letter turned gan
1D78	Მ	MODIFIER LETTER CYRILLIC EN ≈ <super> 043D Მ

**Other phonetic symbols**

1D79	Ლ	LATIN SMALL LETTER INSULAR G • older Irish phonetic notation • uppercase is A77D Ლ → 0067 g latin small letter g → 021D ȝ latin small letter yogh → 0261 ḡ latin small letter script g → 0263 ḣ latin small letter gamma
1D7A	Ლ	LATIN SMALL LETTER TH WITH STRIKETHROUGH • American dictionary usage → 03B8 θ greek small letter theta
1D7B	Ლ	LATIN SMALL CAPITAL LETTER I WITH STROKE • used with different meanings by Americanists and Oxford dictionaries
1D7C	Ლ	LATIN SMALL LETTER IOTA WITH STROKE • used by Russianists
1D7D	Ლ	LATIN SMALL LETTER P WITH STROKE • used by Americanists • uppercase is 2C63 Ლ
1D7E	Ლ	LATIN SMALL CAPITAL LETTER U WITH STROKE • used by Americanists

- 1D7F ̣ LATIN SMALL LETTER UPSILON WITH STROKE
- used by Americanists and Oxford dictionaries

	1D8	1D9	1DA	1DB
0	ḃ 1D80	Ḅ 1D90	ḅ 1DA0	Ḇ 1DB0
1	ḇ 1D81	Ḉ 1D91	ḉ 1DA1	Ḋ 1DB1
2	ḋ 1D82	Ḍ 1D92	ḅ 1DA2	Ḇ 1DB2
3	ḡ 1D83	Ḣ 1D93	ḣ 1DA3	Ḥ 1DB3
4	ḵ 1D84	Ḷ 1D94	ḷ 1DA4	Ḹ 1DB4
5	ḹ 1D85	Ḻ 1D95	ḻ 1DA5	Ḽ 1DB5
6	ḽ 1D86	Ḿ 1D96	ḿ 1DA6	Ṁ 1DB6
7	ṅ 1D87	Ṇ 1D97	ṇ 1DA7	Ṉ 1DB7
8	ṑ 1D88	Ṓ 1D98	ṓ 1DA8	Ṕ 1DB8
9	ṙ 1D89	Ṛ 1D99	ṛ 1DA9	Ṝ 1DB9
A	Ṡ 1D8A	Ṣ 1D9A	ṣ 1DAA	Ṥ 1DBA
B	ṡ 1D8B	Ṫ 1D9B	ṫ 1DAB	Ṭ 1DBB
C	ṽ 1D8C	Ṹ 1D9C	ṹ 1DAC	Ṻ 1DBC
D	Ṽ 1D8D	Ṽ 1D9D	Ṽ 1DAD	Ṽ 1DBD
E	Ṽ 1D8E	Ṽ 1D9E	Ṽ 1DAE	Ṽ 1DBE
F	Ṽ 1D8F	Ṽ 1D9F	Ṽ 1DAF	Ṽ 1DBF

**Latin letters with palatal hook**

*An additional letter with palatal hook is found in another block.*

	→ 01AB	t̃	latin small letter t with palatal hook
1D80	b̃	LATIN SMALL LETTER B WITH PALATAL HOOK	
1D81	d̃	LATIN SMALL LETTER D WITH PALATAL HOOK	
1D82	f̃	LATIN SMALL LETTER F WITH PALATAL HOOK	
1D83	g̃	LATIN SMALL LETTER G WITH PALATAL HOOK	
1D84	k̃	LATIN SMALL LETTER K WITH PALATAL HOOK	
1D85	l̃	LATIN SMALL LETTER L WITH PALATAL HOOK	
1D86	m̃	LATIN SMALL LETTER M WITH PALATAL HOOK	
1D87	ñ	LATIN SMALL LETTER N WITH PALATAL HOOK	
1D88	p̃	LATIN SMALL LETTER P WITH PALATAL HOOK	
1D89	r̃	LATIN SMALL LETTER R WITH PALATAL HOOK	
1D8A	s̃	LATIN SMALL LETTER S WITH PALATAL HOOK	
1D8B	ʃ̃	LATIN SMALL LETTER ESH WITH PALATAL HOOK	
1D8C	ṽ	LATIN SMALL LETTER V WITH PALATAL HOOK	
1D8D	x̃	LATIN SMALL LETTER X WITH PALATAL HOOK	
1D8E	z̃	LATIN SMALL LETTER Z WITH PALATAL HOOK	

**Latin letters with retroflex hook**

*IPA recommends transcribing vowels with r-coloring (rhoticity) with the rhotic hook instead.*

→ 02DE ˘ modifier letter rhotic hook

*Additional letters with retroflex hook are found in other blocks.*

	→ 01AE	T̃	latin capital letter t with retroflex hook
	→ 0256	ḍ	latin small letter d with tail
	→ 026D	ḷ	latin small letter l with retroflex hook
	→ 0273	ṇ	latin small letter n with retroflex hook
	→ 027B	ṛ	latin small letter turned r with hook
	→ 027D	ṛ	latin small letter r with tail
	→ 0282	ṣ	latin small letter s with hook
	→ 0285	ʃ̣	latin small letter squat reversed esh
	→ 0288	ṭ	latin small letter t with retroflex hook
	→ 0290	ẓ	latin small letter z with retroflex hook
	→ 02AF	ɥ̣	latin small letter turned h with fishhook and tail
1D8F	ạ̄	LATIN SMALL LETTER A WITH RETROFLEX HOOK	
1D90	α̣	LATIN SMALL LETTER ALPHA WITH RETROFLEX HOOK	
1D91	đ̣	LATIN SMALL LETTER D WITH HOOK AND TAIL	
1D92	ẹ	LATIN SMALL LETTER E WITH RETROFLEX HOOK	
1D93	ε̣	LATIN SMALL LETTER OPEN E WITH RETROFLEX HOOK	
1D94	ɜ̣	LATIN SMALL LETTER REVERSED OPEN E WITH RETROFLEX HOOK	
	→ 025D	ɜ̣	latin small letter reversed open e with hook
1D95	ə̣	LATIN SMALL LETTER SCHWA WITH RETROFLEX HOOK	
	→ 025A	ə̣	latin small letter schwa with hook
1D96	ị̄	LATIN SMALL LETTER I WITH RETROFLEX HOOK	
1D97	ọ̄	LATIN SMALL LETTER OPEN O WITH RETROFLEX HOOK	
1D98	ʃ̣	LATIN SMALL LETTER ESH WITH RETROFLEX HOOK	
1D99	ụ̄	LATIN SMALL LETTER U WITH RETROFLEX HOOK	

1D9A ɛ̣ LATIN SMALL LETTER EZH WITH RETROFLEX HOOK













































**Modifier letters**

*Other modifier letters can be found in the Spacing Modifier Letters, Phonetic Extensions, as well as Superscripts and Subscripts blocks.*

1D9B	ᵀ	MODIFIER LETTER SMALL TURNED ALPHA
	≈ <sup>	0252 ᵀ
1D9C	ᶜ	MODIFIER LETTER SMALL C
	≈ <sup>	0063 ᶜ
1D9D	ᶜ	MODIFIER LETTER SMALL C WITH CURL
	≈ <sup>	0255 ᶜ
1D9E	ᶑ	MODIFIER LETTER SMALL ETH
	≈ <sup>	00F0 ᶑ
1D9F	ᶞ	MODIFIER LETTER SMALL REVERSED OPEN E
	≈ <sup>	025C ᶞ
1DA0	ᶠ	MODIFIER LETTER SMALL F
	≈ <sup>	0066 ᶠ
1DA1	ᶚ	MODIFIER LETTER SMALL DOTLESS J WITH STROKE
	≈ <sup>	025F ᶚ
1DA2	ᶑ	MODIFIER LETTER SMALL SCRIPT G
	≈ <sup>	0261 ᶑ
1DA3	ᶞ	MODIFIER LETTER SMALL TURNED H
	≈ <sup>	0265 ᶞ
1DA4	ᶚ	MODIFIER LETTER SMALL I WITH STROKE
	≈ <sup>	0268 ᶚ
1DA5	ᶚ	MODIFIER LETTER SMALL IOTA
	≈ <sup>	0269 ᶚ
1DA6	ᶚ	MODIFIER LETTER SMALL CAPITAL I
	• not for use in UPA	
	→ 1D35	ᶚ modifier letter capital i
	≈ <sup>	026A ᶚ
1DA7	ᶚ	MODIFIER LETTER SMALL CAPITAL I WITH STROKE
	≈ <sup>	1D7B ᶚ
1DA8	ᶚ	MODIFIER LETTER SMALL J WITH CROSSED-TAIL
	≈ <sup>	029D ᶚ
1DA9	ᶚ	MODIFIER LETTER SMALL L WITH RETROFLEX HOOK
	≈ <sup>	026D ᶚ
1DAA	ᶚ	MODIFIER LETTER SMALL L WITH PALATAL HOOK
	≈ <sup>	1D85 ᶚ
1DAB	ᶚ	MODIFIER LETTER SMALL CAPITAL L
	• not for use in UPA	
	→ 1D38	ᶚ modifier letter capital l
	≈ <sup>	029F ᶚ
1DAC	ᶚ	MODIFIER LETTER SMALL M WITH HOOK
	≈ <sup>	0271 ᶚ
1DAD	ᶚ	MODIFIER LETTER SMALL TURNED M WITH LONG LEG
	≈ <sup>	0270 ᶚ
1DAE	ᶚ	MODIFIER LETTER SMALL N WITH LEFT HOOK
	≈ <sup>	0272 ᶚ
1DAF	ᶚ	MODIFIER LETTER SMALL N WITH RETROFLEX HOOK
	≈ <sup>	0273 ᶚ

1DB0	<sup>N</sup>	MODIFIER LETTER SMALL CAPITAL N <ul style="list-style-type: none"> <li>• not for use in UPA</li> </ul> → 1D3A <sup>N</sup> modifier letter capital n ≈ <super> 0274 <b>N</b>
1DB1	<sup>o</sup>	MODIFIER LETTER SMALL BARRED O ≈ <super> 0275 <b>o</b>
1DB2	<sup>ϕ</sup>	MODIFIER LETTER SMALL PHI ≈ <super> 0278 <b>ϕ</b>
1DB3	<sup>§</sup>	MODIFIER LETTER SMALL S WITH HOOK ≈ <super> 0282 <b>§</b>
1DB4	<sup>ƒ</sup>	MODIFIER LETTER SMALL ESH ≈ <super> 0283 <b>ƒ</b>
1DB5	<sup>‡</sup>	MODIFIER LETTER SMALL T WITH PALATAL HOOK ≈ <super> 01AB <b>‡</b>
1DB6	<sup>u</sup>	MODIFIER LETTER SMALL U BAR ≈ <super> 0289 <b>u</b>
1DB7	<sup>υ</sup>	MODIFIER LETTER SMALL UPSILON ≈ <super> 028A <b>υ</b>
1DB8	<sup>U</sup>	MODIFIER LETTER SMALL CAPITAL U <ul style="list-style-type: none"> <li>• not for use in UPA</li> </ul> → 1D41 <sup>U</sup> modifier letter capital u ≈ <super> 1D1C <b>U</b>
1DB9	<sup>v</sup>	MODIFIER LETTER SMALL V WITH HOOK ≈ <super> 028B <b>v</b>
1DBA	<sup>Λ</sup>	MODIFIER LETTER SMALL TURNED V ≈ <super> 028C <b>Λ</b>
1DBB	<sup>z</sup>	MODIFIER LETTER SMALL Z ≈ <super> 007A <b>z</b>
1DBC	<sup>z<sub>l</sub></sup>	MODIFIER LETTER SMALL Z WITH RETROFLEX HOOK ≈ <super> 0290 <b>z<sub>l</sub></b>
1DBD	<sup>z<sub>c</sub></sup>	MODIFIER LETTER SMALL Z WITH CURL ≈ <super> 0291 <b>z<sub>c</sub></b>
1DBE	<sup>3</sup>	MODIFIER LETTER SMALL EZH ≈ <super> 0292 <b>3</b>
1DBF	<sup>θ</sup>	MODIFIER LETTER SMALL THETA ≈ <super> 03B8 <b>θ</b>



	1DC	1DD	1DE	1DF	
0	 1DC0	 1DD0	 1DE0		
1	 1DC1	 1DD1	 1DE1		
2	 1DC2	 1DD2	 1DE2		
3	 1DC3	 1DD3	 1DE3		
4	 1DC4	 1DD4	 1DE4		
5	 1DC5	 1DD5	 1DE5		
6	 1DC6	 1DD6	 1DE6		
7	 1DC7	 1DD7			
8	 1DC8	 1DD8			
9	 1DC9	 1DD9			
A	 1DCA	 1DDA			
B	 1DCB	 1ddb			
C	 1DCC	 1DCC			
D	 1DCD	 1DDD			 1DFD
E	 1DCE	 1DDE			 1DFE
F	 1DCF	 1DDF			 1DFF

**Used for Ancient Greek**

*These are used as editorial signs for Ancient Greek to indicate scribal deletion of erroneous accent marks.*

- 1DC0 ◌̇ COMBINING DOTTED GRAVE ACCENT  
→ 1FED ◌̇ greek dialytika and varia
- 1DC1 ◌̇ COMBINING DOTTED ACUTE ACCENT  
→ 0344 ◌̇ combining greek dialytika tonos  
→ 1FEE ◌̇ greek dialytika and oxia

**Miscellaneous marks**

- 1DC2 ◌̅ COMBINING SNAKE BELOW
- 1DC3 ◌̅ COMBINING SUSPENSION MARK  
• Glagolitic  
→ 0306 ◌̅ combining breve

**Contour tone marks**

- 1DC4 ◌̂ COMBINING MACRON-ACUTE
- 1DC5 ◌̃ COMBINING GRAVE-MACRON
- 1DC6 ◌̄ COMBINING MACRON-GRAVE
- 1DC7 ◌̅ COMBINING ACUTE-MACRON
- 1DC8 ◌̆ COMBINING GRAVE-ACUTE-GRAVE
- 1DC9 ◌̇ COMBINING ACUTE-GRAVE-ACUTE

**Miscellaneous mark**

- 1DCA ◌̇ COMBINING LATIN SMALL LETTER R BELOW

**Contour tone marks**

- 1DCB ◌̂ COMBINING BREVE-MACRON  
• Lithuanian dialectology
- 1DCC ◌̃ COMBINING MACRON-BREVE  
• Lithuanian dialectology

**Double diacritic**

- 1DCD ◌̂ COMBINING DOUBLE CIRCUMFLEX ABOVE

**Medievalist additions**

- 1DCE ◌̇ COMBINING OGONEK ABOVE
- 1DCF ◌̇ COMBINING ZIGZAG BELOW
- 1DD0 ◌̇ COMBINING IS BELOW
- 1DD1 ◌̇ COMBINING UR ABOVE
- 1DD2 ◌̇ COMBINING US ABOVE

**Medieval superscript letter diacritics**

- 1DD3 ◌̇ COMBINING LATIN SMALL LETTER FLATTENED OPEN A ABOVE
- 1DD4 ◌̇ COMBINING LATIN SMALL LETTER AE
- 1DD5 ◌̇ COMBINING LATIN SMALL LETTER AO
- 1DD6 ◌̇ COMBINING LATIN SMALL LETTER AV
- 1DD7 ◌̇ COMBINING LATIN SMALL LETTER C CEDILLA
- 1DD8 ◌̇ COMBINING LATIN SMALL LETTER INSULAR D
- 1DD9 ◌̇ COMBINING LATIN SMALL LETTER ETH
- 1DDA ◌̇ COMBINING LATIN SMALL LETTER G
- 1ddb ◌̇ COMBINING LATIN LETTER SMALL CAPITAL G
- 1DDC ◌̇ COMBINING LATIN SMALL LETTER K
- 1DDD ◌̇ COMBINING LATIN SMALL LETTER L
- 1DDE ◌̇ COMBINING LATIN LETTER SMALL CAPITAL L
- 1DDF ◌̇ COMBINING LATIN LETTER SMALL CAPITAL M
- 1DE0 ◌̇ COMBINING LATIN SMALL LETTER N
- 1DE1 ◌̇ COMBINING LATIN LETTER SMALL CAPITAL N
- 1DE2 ◌̇ COMBINING LATIN LETTER SMALL CAPITAL R
- 1DE3 ◌̇ COMBINING LATIN SMALL LETTER R ROTUNDA
- 1DE4 ◌̇ COMBINING LATIN SMALL LETTER S
- 1DE5 ◌̇ COMBINING LATIN SMALL LETTER LONG S
- 1DE6 ◌̇ COMBINING LATIN SMALL LETTER Z

**Miscellaneous mark**

- 1DFD ◌̅ COMBINING ALMOST EQUAL TO BELOW

**Additional marks for UPA**

- 1DFE ◌̅ COMBINING LEFT ARROWHEAD ABOVE
- 1DFF ◌̅ COMBINING RIGHT ARROWHEAD AND DOWN ARROWHEAD BELOW

	1E0	1E1	1E2	1E3	1E4	1E5	1E6	1E7	1E8	1E9	1EA	1EB	1EC	1ED	1EE	1EF
0	À 1E00	Ā 1E10	Ā 1E20	Ā 1E30	Ā 1E40	Ā 1E50	Ā 1E60	Ā 1E70	Ā 1E80	Ā 1E90	Ā 1EA0	Ā 1EB0	Ā 1EC0	Ā 1ED0	Ā 1EE0	Ā 1EF0
1	à 1E01	ā 1E11	ā 1E21	ā 1E31	ā 1E41	ā 1E51	ā 1E61	ā 1E71	ā 1E81	ā 1E91	ā 1EA1	ā 1EB1	ā 1EC1	ā 1ED1	ā 1EE1	ā 1EF1
2	Ā 1E02	Ā 1E12	Ā 1E22	Ā 1E32	Ā 1E42	Ā 1E52	Ā 1E62	Ā 1E72	Ā 1E82	Ā 1E92	Ā 1EA2	Ā 1EB2	Ā 1EC2	Ā 1ED2	Ā 1EE2	Ā 1EF2
3	ā 1E03	ā 1E13	ā 1E23	ā 1E33	ā 1E43	ā 1E53	ā 1E63	ā 1E73	ā 1E83	ā 1E93	ā 1EA3	ā 1EB3	ā 1EC3	ā 1ED3	ā 1EE3	ā 1EF3
4	Ā 1E04	Ā 1E14	Ā 1E24	Ā 1E34	Ā 1E44	Ā 1E54	Ā 1E64	Ā 1E74	Ā 1E84	Ā 1E94	Ā 1EA4	Ā 1EB4	Ā 1EC4	Ā 1ED4	Ā 1EE4	Ā 1EF4
5	ā 1E05	ā 1E15	ā 1E25	ā 1E35	ā 1E45	ā 1E55	ā 1E65	ā 1E75	ā 1E85	ā 1E95	ā 1EA5	ā 1EB5	ā 1EC5	ā 1ED5	ā 1EE5	ā 1EF5
6	Ā 1E06	Ā 1E16	Ā 1E26	Ā 1E36	Ā 1E46	Ā 1E56	Ā 1E66	Ā 1E76	Ā 1E86	Ā 1E96	Ā 1EA6	Ā 1EB6	Ā 1EC6	Ā 1ED6	Ā 1EE6	Ā 1EF6
7	ā 1E07	ā 1E17	ā 1E27	ā 1E37	ā 1E47	ā 1E57	ā 1E67	ā 1E77	ā 1E87	ā 1E97	ā 1EA7	ā 1EB7	ā 1EC7	ā 1ED7	ā 1EE7	ā 1EF7
8	Ā 1E08	Ā 1E18	Ā 1E28	Ā 1E38	Ā 1E48	Ā 1E58	Ā 1E68	Ā 1E78	Ā 1E88	Ā 1E98	Ā 1EA8	Ā 1EB8	Ā 1EC8	Ā 1ED8	Ā 1EE8	Ā 1EF8
9	ā 1E09	ā 1E19	ā 1E29	ā 1E39	ā 1E49	ā 1E59	ā 1E69	ā 1E79	ā 1E89	ā 1E99	ā 1EA9	ā 1EB9	ā 1EC9	ā 1ED9	ā 1EE9	ā 1EF9
A	Ā 1E0A	Ā 1E1A	Ā 1E2A	Ā 1E3A	Ā 1E4A	Ā 1E5A	Ā 1E6A	Ā 1E7A	Ā 1E8A	Ā 1E9A	Ā 1EA	Ā 1EBA	Ā 1ECA	Ā 1EDA	Ā 1EEA	Ā 1EFA
B	ā 1E0B	ā 1E1B	ā 1E2B	ā 1E3B	ā 1E4B	ā 1E5B	ā 1E6B	ā 1E7B	ā 1E8B	ā 1E9B	ā 1EAB	ā 1EBB	ā 1ECB	ā 1EDB	ā 1EEB	ā 1EFB
C	Ā 1E0C	Ā 1E1C	Ā 1E2C	Ā 1E3C	Ā 1E4C	Ā 1E5C	Ā 1E6C	Ā 1E7C	Ā 1E8C	Ā 1E9C	Ā 1EAC	Ā 1EBC	Ā 1ECC	Ā 1EDC	Ā 1EEC	Ā 1EFC
D	ā 1E0D	ā 1E1D	ā 1E2D	ā 1E3D	ā 1E4D	ā 1E5D	ā 1E6D	ā 1E7D	ā 1E8D	ā 1E9D	ā 1EAD	ā 1EBD	ā 1ECD	ā 1EDD	ā 1EED	ā 1EFD
E	Ā 1E0E	Ā 1E1E	Ā 1E2E	Ā 1E3E	Ā 1E4E	Ā 1E5E	Ā 1E6E	Ā 1E7E	Ā 1E8E	Ā 1E9E	Ā 1EAE	Ā 1EBE	Ā 1ECE	Ā 1EDE	Ā 1EEE	Ā 1EFE
F	ā 1E0F	ā 1E1F	ā 1E2F	ā 1E3F	ā 1E4F	ā 1E5F	ā 1E6F	ā 1E7F	ā 1E8F	ā 1E9F	ā 1EAF	ā 1EBF	ā 1ECF	ā 1EDF	ā 1EEF	ā 1EFF

*In this block the names "WITH LINE BELOW" refer to a macron below the letter.*

#### Latin general use extensions

1E00	À	LATIN CAPITAL LETTER A WITH RING BELOW ≡ 0041 A 0325 ◌̣	1E17	É	LATIN SMALL LETTER E WITH MACRON AND ACUTE ≡ 0113 ē 0301 ◌̇
1E01	á	LATIN SMALL LETTER A WITH RING BELOW ≡ 0061 a 0325 ◌̣	1E18	Ě	LATIN CAPITAL LETTER E WITH CIRCUMFLEX BELOW ≡ 0045 Ě 032D ◌̣
1E02	Ā	LATIN CAPITAL LETTER B WITH DOT ABOVE ≡ 0042 B̄ 0307 ◌̇	1E19	ě	LATIN SMALL LETTER E WITH CIRCUMFLEX BELOW ≡ 0065 e 032D ◌̣
1E03	ḃ	LATIN SMALL LETTER B WITH DOT ABOVE • Irish Gaelic (old orthography) ≡ 0062 ḃ 0307 ◌̇	1E1A	Ē	LATIN CAPITAL LETTER E WITH TILDE BELOW ≡ 0045 Ē 0330 ◌̣
1E04	Ḃ	LATIN CAPITAL LETTER B WITH DOT BELOW ≡ 0042 Ḅ 0323 ◌̣	1E1B	ē	LATIN SMALL LETTER E WITH TILDE BELOW ≡ 0065 e 0330 ◌̣
1E05	ḅ	LATIN SMALL LETTER B WITH DOT BELOW ≡ 0062 ḅ 0323 ◌̣	1E1C	Ĕ	LATIN CAPITAL LETTER E WITH CEDILLA AND BREVE ≡ 0228 Ĕ 0306 ◌̣̆
1E06	Ḅ	LATIN CAPITAL LETTER B WITH LINE BELOW ≡ 0042 B̅ 0331 ◌̣	1E1D	ĕ	LATIN SMALL LETTER E WITH CEDILLA AND BREVE ≡ 0229 ĕ 0306 ◌̣̆
1E07	ḇ	LATIN SMALL LETTER B WITH LINE BELOW ≡ 0062 ḇ 0331 ◌̣	1E1E	Ħ	LATIN CAPITAL LETTER F WITH DOT ABOVE ≡ 0046 Ḟ 0307 ◌̇
1E08	Ç	LATIN CAPITAL LETTER C WITH CEDILLA AND ACUTE ≡ 00C7 Ç 0301 ◌̇	1E1F	ĥ	LATIN SMALL LETTER F WITH DOT ABOVE • Irish Gaelic (old orthography) ≡ 0066 ḟ 0307 ◌̇
1E09	ç	LATIN SMALL LETTER C WITH CEDILLA AND ACUTE ≡ 00E7 ç 0301 ◌̇	1E20	Ĝ	LATIN CAPITAL LETTER G WITH MACRON ≡ 0047 Ĝ 0304 ◌̇
1E0A	Ď	LATIN CAPITAL LETTER D WITH DOT ABOVE ≡ 0044 Ḋ 0307 ◌̇	1E21	ĝ	LATIN SMALL LETTER G WITH MACRON ≡ 0067 g 0304 ◌̇
1E0B	ḏ	LATIN SMALL LETTER D WITH DOT ABOVE • Irish Gaelic (old orthography) ≡ 0064 ḏ 0307 ◌̇	1E22	Ĥ	LATIN CAPITAL LETTER H WITH DOT ABOVE ≡ 0048 Ḣ 0307 ◌̇
1E0C	Ḍ	LATIN CAPITAL LETTER D WITH DOT BELOW ≡ 0044 Ḍ 0323 ◌̣	1E23	ḥ	LATIN SMALL LETTER H WITH DOT ABOVE ≡ 0068 ḥ 0307 ◌̇
1E0D	ḍ	LATIN SMALL LETTER D WITH DOT BELOW • Indic transliteration ≡ 0064 ḍ 0323 ◌̣	1E24	Ḧ	LATIN CAPITAL LETTER H WITH DOT BELOW ≡ 0048 Ḧ 0323 ◌̣
1E0E	Ḑ	LATIN CAPITAL LETTER D WITH LINE BELOW ≡ 0044 Ḑ 0331 ◌̣	1E25	ḥ	LATIN SMALL LETTER H WITH DOT BELOW • Indic transliteration ≡ 0068 ḥ 0323 ◌̣
1E0F	ḑ	LATIN SMALL LETTER D WITH LINE BELOW ≡ 0064 ḑ 0331 ◌̣	1E26	Ĥ	LATIN CAPITAL LETTER H WITH DIAERESIS ≡ 0048 Ḧ 0308 ◌̈
1E10	Ḑ	LATIN CAPITAL LETTER D WITH CEDILLA ≡ 0044 Ḑ 0327 ◌̣	1E27	ḥ	LATIN SMALL LETTER H WITH DIAERESIS ≡ 0068 ḥ 0308 ◌̈
1E11	ḑ	LATIN SMALL LETTER D WITH CEDILLA • Livonian ≡ 0064 ḑ 0327 ◌̣	1E28	Ḧ	LATIN CAPITAL LETTER H WITH CEDILLA ≡ 0048 Ḧ 0327 ◌̣
1E12	Ḓ	LATIN CAPITAL LETTER D WITH CIRCUMFLEX BELOW ≡ 0044 Ḓ 032D ◌̣	1E29	ḥ	LATIN SMALL LETTER H WITH CEDILLA ≡ 0068 ḥ 0327 ◌̣
1E13	ḓ	LATIN SMALL LETTER D WITH CIRCUMFLEX BELOW ≡ 0064 ḓ 032D ◌̣	1E2A	Ḧ	LATIN CAPITAL LETTER H WITH BREVE BELOW ≡ 0048 Ḧ 032E ◌̣
1E14	È	LATIN CAPITAL LETTER E WITH MACRON AND GRAVE ≡ 0112 È 0300 ◌̈	1E2B	ḥ	LATIN SMALL LETTER H WITH BREVE BELOW • Semitic transliteration ≡ 0068 ḥ 032E ◌̣
1E15	è	LATIN SMALL LETTER E WITH MACRON AND GRAVE ≡ 0113 è 0300 ◌̈	1E2C	İ	LATIN CAPITAL LETTER I WITH TILDE BELOW ≡ 0049 İ 0330 ◌̣
1E16	É	LATIN CAPITAL LETTER E WITH MACRON AND ACUTE ≡ 0112 É 0301 ◌̇	1E2D	ı	LATIN SMALL LETTER I WITH TILDE BELOW ≡ 0069 ı 0330 ◌̣
			1E2E	Í	LATIN CAPITAL LETTER I WITH DIAERESIS AND ACUTE ≡ 00CF Í 0301 ◌̇
			1E2F	í	LATIN SMALL LETTER I WITH DIAERESIS AND ACUTE ≡ 00EF í 0301 ◌̇
			1E30	Ķ	LATIN CAPITAL LETTER K WITH ACUTE ≡ 004B Ķ 0301 ◌̇

1E31	ǰ	LATIN SMALL LETTER K WITH ACUTE • Macedonian transliteration ≡ 006B k 0301 ǿ	1E49	ņ	LATIN SMALL LETTER N WITH LINE BELOW • Indic transliteration ≡ 006E n 0331 ǿ
1E32	Ɔ	LATIN CAPITAL LETTER K WITH DOT BELOW ≡ 004B K 0323 ǿ	1E4A	Ɔ̂	LATIN CAPITAL LETTER N WITH CIRCUMFLEX BELOW ≡ 004E N̂ 032D ǿ
1E33	Ɔ̂	LATIN SMALL LETTER K WITH DOT BELOW ≡ 006B k 0323 ǿ	1E4B	ņ̂	LATIN SMALL LETTER N WITH CIRCUMFLEX BELOW ≡ 006E n 032D ǿ
1E34	Ɔ̅	LATIN CAPITAL LETTER K WITH LINE BELOW ≡ 004B K 0331 ǿ	1E4C	Ō	LATIN CAPITAL LETTER O WITH TILDE AND ACUTE ≡ 00D5 Ō̃ 0301 ǿ
1E35	Ɔ̅	LATIN SMALL LETTER K WITH LINE BELOW ≡ 006B k 0331 ǿ	1E4D	ó	LATIN SMALL LETTER O WITH TILDE AND ACUTE ≡ 00F5 ó 0301 ǿ
1E36	Ɔ̇	LATIN CAPITAL LETTER L WITH DOT BELOW ≡ 004C L 0323 ǿ	1E4E	Ŏ	LATIN CAPITAL LETTER O WITH TILDE AND DIAERESIS ≡ 00D5 Ŏ̃ 0308 ǿ
1E37	ǰ̇	LATIN SMALL LETTER L WITH DOT BELOW • Indic transliteration ≡ 006C l 0323 ǿ • see ISO 15919 on the use of dot below versus ring below in Indic transliteration → 0325 ǿ combining ring below	1E4F	ö	LATIN SMALL LETTER O WITH TILDE AND DIAERESIS ≡ 00F5 ö 0308 ǿ
1E38	Ɔ̇̅	LATIN CAPITAL LETTER L WITH DOT BELOW AND MACRON ≡ 1E36 Ɔ̇̅ 0304 ǿ	1E50	Ō̅	LATIN CAPITAL LETTER O WITH MACRON AND GRAVE ≡ 014C Ō̅ 0300 ǿ
1E39	ǰ̇̅	LATIN SMALL LETTER L WITH DOT BELOW AND MACRON • Indic transliteration ≡ 1E37 ǰ̇̅ 0304 ǿ	1E51	ò	LATIN SMALL LETTER O WITH MACRON AND GRAVE ≡ 014D ò 0300 ǿ
1E3A	Ɔ̅̅	LATIN CAPITAL LETTER L WITH LINE BELOW ≡ 004C L 0331 ǿ	1E52	Ō̅̅	LATIN CAPITAL LETTER O WITH MACRON AND ACUTE ≡ 014C Ō̅̅ 0301 ǿ
1E3B	ǰ̅̅	LATIN SMALL LETTER L WITH LINE BELOW • Indic transliteration ≡ 006C l 0331 ǿ	1E53	ó̅̅	LATIN SMALL LETTER O WITH MACRON AND ACUTE ≡ 014D ò̅̅ 0301 ǿ
1E3C	Ɔ̂̅	LATIN CAPITAL LETTER L WITH CIRCUMFLEX BELOW ≡ 004C L 032D ǿ	1E54	Ɔ̂̅̅	LATIN CAPITAL LETTER P WITH ACUTE ≡ 0050 P̂̅̅ 0301 ǿ
1E3D	ǰ̂̅	LATIN SMALL LETTER L WITH CIRCUMFLEX BELOW ≡ 006C l 032D ǿ	1E55	Ɔ̂̅̅̅	LATIN SMALL LETTER P WITH ACUTE ≡ 0070 p̂̅̅̅ 0301 ǿ
1E3E	Ɔ̂̅̅̅	LATIN CAPITAL LETTER M WITH ACUTE ≡ 004D M̂̅̅̅ 0301 ǿ	1E56	Ɔ̂̅̅̅̅	LATIN CAPITAL LETTER P WITH DOT ABOVE ≡ 0050 P̂̅̅̅̅ 0307 ǿ
1E3F	Ɔ̂̅̅̅̅	LATIN SMALL LETTER M WITH ACUTE ≡ 006D m̂̅̅̅̅ 0301 ǿ	1E57	Ɔ̂̅̅̅̅̅	LATIN SMALL LETTER P WITH DOT ABOVE • Irish Gaelic (old orthography) ≡ 0070 p̂̅̅̅̅̅ 0307 ǿ
1E40	Ɔ̂̅̅̅̅̅	LATIN CAPITAL LETTER M WITH DOT ABOVE ≡ 004D M̂̅̅̅̅̅ 0307 ǿ	1E58	Ɔ̂̅̅̅̅̅̅	LATIN CAPITAL LETTER R WITH DOT ABOVE ≡ 0052 R̂̅̅̅̅̅̅ 0307 ǿ
1E41	Ɔ̂̅̅̅̅̅̅	LATIN SMALL LETTER M WITH DOT ABOVE • Irish Gaelic (old orthography) ≡ 006D m̂̅̅̅̅̅̅ 0307 ǿ	1E59	Ɔ̂̅̅̅̅̅̅̅	LATIN SMALL LETTER R WITH DOT ABOVE ≡ 0072 r̂̅̅̅̅̅̅̅ 0307 ǿ
1E42	Ɔ̂̅̅̅̅̅̅̅	LATIN CAPITAL LETTER M WITH DOT BELOW ≡ 004D M̂̅̅̅̅̅̅̅ 0323 ǿ	1E5A	Ɔ̂̅̅̅̅̅̅̅̅	LATIN CAPITAL LETTER R WITH DOT BELOW ≡ 0052 R̂̅̅̅̅̅̅̅̅ 0323 ǿ
1E43	Ɔ̂̅̅̅̅̅̅̅̅	LATIN SMALL LETTER M WITH DOT BELOW • Indic transliteration ≡ 006D m̂̅̅̅̅̅̅̅̅ 0323 ǿ	1E5B	Ɔ̂̅̅̅̅̅̅̅̅̅	LATIN SMALL LETTER R WITH DOT BELOW • Indic transliteration ≡ 0072 r̂̅̅̅̅̅̅̅̅̅ 0323 ǿ • see ISO 15919 on the use of dot below versus ring below in Indic transliteration → 0325 ǿ combining ring below
1E44	Ɔ̂̅̅̅̅̅̅̅̅̅	LATIN CAPITAL LETTER N WITH DOT ABOVE ≡ 004E N̂̅̅̅̅̅̅̅̅̅ 0307 ǿ	1E5C	Ɔ̂̅̅̅̅̅̅̅̅̅̅	LATIN CAPITAL LETTER R WITH DOT BELOW AND MACRON ≡ 1E5A R̂̅̅̅̅̅̅̅̅̅̅ 0304 ǿ
1E45	Ɔ̂̅̅̅̅̅̅̅̅̅̅̅	LATIN SMALL LETTER N WITH DOT ABOVE • Indic transliteration ≡ 006E n̂̅̅̅̅̅̅̅̅̅̅̅ 0307 ǿ	1E5D	Ɔ̂̅̅̅̅̅̅̅̅̅̅̅̅	LATIN SMALL LETTER R WITH DOT BELOW AND MACRON • Indic transliteration ≡ 1E5B r̂̅̅̅̅̅̅̅̅̅̅̅̅ 0304 ǿ
1E46	Ɔ̂̅̅̅̅̅̅̅̅̅̅̅̅̅	LATIN CAPITAL LETTER N WITH DOT BELOW ≡ 004E N̂̅̅̅̅̅̅̅̅̅̅̅̅̅ 0323 ǿ	1E5E	Ɔ̂̅̅̅̅̅̅̅̅̅̅̅̅̅̅	LATIN CAPITAL LETTER R WITH LINE BELOW ≡ 0052 R̂̅̅̅̅̅̅̅̅̅̅̅̅̅̅ 0331 ǿ
1E47	Ɔ̂̅̅̅̅̅̅̅̅̅̅̅̅̅̅̅	LATIN SMALL LETTER N WITH DOT BELOW • Indic transliteration ≡ 006E n̂̅̅̅̅̅̅̅̅̅̅̅̅̅̅̅ 0323 ǿ			
1E48	Ɔ̂̅̅̅̅̅̅̅̅̅̅̅̅̅̅̅̅	LATIN CAPITAL LETTER N WITH LINE BELOW ≡ 004E N̂̅̅̅̅̅̅̅̅̅̅̅̅̅̅̅̅ 0331 ǿ			

1E5F	ɿ	LATIN SMALL LETTER R WITH LINE BELOW • Indic transliteration ≡ 0072 r 0331 ◌̣	1E76	Ū	LATIN CAPITAL LETTER U WITH CIRCUMFLEX BELOW ≡ 0055 Ū 032D ◌̣
1E60	Š	LATIN CAPITAL LETTER S WITH DOT ABOVE ≡ 0053 S 0307 ◌̣	1E77	ŭ	LATIN SMALL LETTER U WITH CIRCUMFLEX BELOW ≡ 0075 u 032D ◌̣
1E61	ś	LATIN SMALL LETTER S WITH DOT ABOVE • Irish Gaelic (old orthography) ≡ 0073 s 0307 ◌̣	1E78	Ů	LATIN CAPITAL LETTER U WITH TILDE AND ACUTE ≡ 0168 Ů 0301 ◌̣
1E62	Ṣ	LATIN CAPITAL LETTER S WITH DOT BELOW ≡ 0053 S 0323 ◌̣	1E79	ú	LATIN SMALL LETTER U WITH TILDE AND ACUTE ≡ 0169 ũ 0301 ◌̣
1E63	ṣ	LATIN SMALL LETTER S WITH DOT BELOW • Indic transliteration ≡ 0073 s 0323 ◌̣	1E7A	Ü	LATIN CAPITAL LETTER U WITH MACRON AND DIAERESIS ≡ 016A Ü 0308 ◌̣
1E64	Ṧ	LATIN CAPITAL LETTER S WITH ACUTE AND DOT ABOVE ≡ 015A Ṧ 0307 ◌̣	1E7B	ü	LATIN SMALL LETTER U WITH MACRON AND DIAERESIS ≡ 016B ü 0308 ◌̣
1E65	ṥ	LATIN SMALL LETTER S WITH ACUTE AND DOT ABOVE ≡ 015B ṥ 0307 ◌̣	1E7C	Ŵ	LATIN CAPITAL LETTER V WITH TILDE ≡ 0056 V 0303 ◌̣
1E66	Š̈	LATIN CAPITAL LETTER S WITH CARON AND DOT ABOVE ≡ 0160 Š̈ 0307 ◌̣	1E7D	v̇	LATIN SMALL LETTER V WITH TILDE ≡ 0076 v 0303 ◌̣
1E67	š̈	LATIN SMALL LETTER S WITH CARON AND DOT ABOVE ≡ 0161 š̈ 0307 ◌̣	1E7E	Ṽ	LATIN CAPITAL LETTER V WITH DOT BELOW ≡ 0056 V 0323 ◌̣
1E68	Ṩ	LATIN CAPITAL LETTER S WITH DOT BELOW AND DOT ABOVE ≡ 1E62 Ṩ 0307 ◌̣	1E7F	ṿ	LATIN SMALL LETTER V WITH DOT BELOW ≡ 0076 v 0323 ◌̣
1E69	ṩ	LATIN SMALL LETTER S WITH DOT BELOW AND DOT ABOVE ≡ 1E63 ṩ 0307 ◌̣	1E80	Ẁ	LATIN CAPITAL LETTER W WITH GRAVE ≡ 0057 W 0300 ◌̀
1E6A	Ṭ	LATIN CAPITAL LETTER T WITH DOT ABOVE ≡ 0054 T 0307 ◌̣	1E81	ẉ	LATIN SMALL LETTER W WITH GRAVE • Welsh ≡ 0077 w 0300 ◌̀
1E6B	ṭ	LATIN SMALL LETTER T WITH DOT ABOVE • Irish Gaelic (old orthography) ≡ 0074 t 0307 ◌̣	1E82	Ẃ	LATIN CAPITAL LETTER W WITH ACUTE ≡ 0057 W 0301 ◌̣
1E6C	Ṫ	LATIN CAPITAL LETTER T WITH DOT BELOW ≡ 0054 T 0323 ◌̣	1E83	ẇ	LATIN SMALL LETTER W WITH ACUTE • Welsh ≡ 0077 w 0301 ◌̣
1E6D	ṫ	LATIN SMALL LETTER T WITH DOT BELOW • Indic transliteration ≡ 0074 t 0323 ◌̣	1E84	Ẅ	LATIN CAPITAL LETTER W WITH DIAERESIS ≡ 0057 W 0308 ◌̣
1E6E	Ṯ	LATIN CAPITAL LETTER T WITH LINE BELOW ≡ 0054 T 0331 ◌̣	1E85	ẅ	LATIN SMALL LETTER W WITH DIAERESIS • Welsh ≡ 0077 w 0308 ◌̣
1E6F	ṯ	LATIN SMALL LETTER T WITH LINE BELOW • Semitic transliteration ≡ 0074 t 0331 ◌̣	1E86	Ẇ	LATIN CAPITAL LETTER W WITH DOT ABOVE ≡ 0057 W 0307 ◌̣
1E70	Ṱ	LATIN CAPITAL LETTER T WITH CIRCUMFLEX BELOW ≡ 0054 T 032D ◌̣	1E87	ẉ	LATIN SMALL LETTER W WITH DOT ABOVE ≡ 0077 w 0307 ◌̣
1E71	ṱ	LATIN SMALL LETTER T WITH CIRCUMFLEX BELOW ≡ 0074 t 032D ◌̣	1E88	Ẅ	LATIN CAPITAL LETTER W WITH DOT BELOW ≡ 0057 W 0323 ◌̣
1E72	Ū	LATIN CAPITAL LETTER U WITH DIAERESIS BELOW ≡ 0055 Ū 0324 ◌̣	1E89	ẉ	LATIN SMALL LETTER W WITH DOT BELOW ≡ 0077 w 0323 ◌̣
1E73	ü	LATIN SMALL LETTER U WITH DIAERESIS BELOW ≡ 0075 u 0324 ◌̣	1E8A	Ẋ	LATIN CAPITAL LETTER X WITH DOT ABOVE ≡ 0058 X 0307 ◌̣
1E74	Ů	LATIN CAPITAL LETTER U WITH TILDE BELOW ≡ 0055 Ů 0330 ◌̣	1E8B	x̣	LATIN SMALL LETTER X WITH DOT ABOVE ≡ 0078 x 0307 ◌̣
1E75	ú	LATIN SMALL LETTER U WITH TILDE BELOW ≡ 0075 u 0330 ◌̣	1E8C	Ẋ̈	LATIN CAPITAL LETTER X WITH DIAERESIS ≡ 0058 X 0308 ◌̣
			1E8D	ẍ	LATIN SMALL LETTER X WITH DIAERESIS ≡ 0078 x 0308 ◌̣
			1E8E	Ỳ	LATIN CAPITAL LETTER Y WITH DOT ABOVE ≡ 0059 Y 0307 ◌̣
			1E8F	ý	LATIN SMALL LETTER Y WITH DOT ABOVE ≡ 0079 y 0307 ◌̣
			1E90	Ẑ	LATIN CAPITAL LETTER Z WITH CIRCUMFLEX ≡ 005A Z 0302 ◌̣

1E91	Ẑ	LATIN SMALL LETTER Z WITH CIRCUMFLEX ≡ 007A z 0302 ǒ	1EA8	Ă	LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND HOOK ABOVE ≡ 00C2 Ă 0309 ǒ
1E92	Ẓ	LATIN CAPITAL LETTER Z WITH DOT BELOW ≡ 005A Z 0323 ǒ	1EA9	ă	LATIN SMALL LETTER A WITH CIRCUMFLEX AND HOOK ABOVE ≡ 00E2 â 0309 ǒ
1E93	Ẕ	LATIN SMALL LETTER Z WITH DOT BELOW • Indic transliteration ≡ 007A z 0323 ǒ	1EAA	Ȧ	LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND TILDE ≡ 00C2 Ă 0303 ǒ
1E94	Ẑ	LATIN CAPITAL LETTER Z WITH LINE BELOW ≡ 005A Z 0331 ǒ	1EAB	ȧ	LATIN SMALL LETTER A WITH CIRCUMFLEX AND TILDE ≡ 00E2 â 0303 ǒ
1E95	Ẓ	LATIN SMALL LETTER Z WITH LINE BELOW • Semitic transliteration ≡ 007A z 0331 ǒ	1EAC	Ȧ̇	LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND DOT BELOW ≡ 1EA0 Ă 0302 ǒ
1E96	ħ	LATIN SMALL LETTER H WITH LINE BELOW • Semitic transliteration ≡ 0068 h 0331 ǒ	1EAD	ȧ̇	LATIN SMALL LETTER A WITH CIRCUMFLEX AND DOT BELOW ≡ 1EA1 a 0302 ǒ
1E97	ï	LATIN SMALL LETTER T WITH DIAERESIS ≡ 0074 t 0308 ǒ	1EAE	Ǻ	LATIN CAPITAL LETTER A WITH BREVE AND ACUTE ≡ 0102 Ǻ 0301 ǒ
1E98	Ẁ	LATIN SMALL LETTER W WITH RING ABOVE ≡ 0077 w 030A ǒ	1EAF	ǻ	LATIN SMALL LETTER A WITH BREVE AND ACUTE ≡ 0103 ǻ 0301 ǒ
1E99	Ẃ	LATIN SMALL LETTER Y WITH RING ABOVE ≡ 0079 y 030A ǒ	1EB0	Ǻ	LATIN CAPITAL LETTER A WITH BREVE AND GRAVE ≡ 0102 Ǻ 0300 ǒ
1E9A	á	LATIN SMALL LETTER A WITH RIGHT HALF RING ≈ 0061 a 02BE ʹ	1EB1	ǻ	LATIN SMALL LETTER A WITH BREVE AND GRAVE ≡ 0103 ǻ 0300 ǒ
1E9B	í	LATIN SMALL LETTER LONG S WITH DOT ABOVE • in current use in Gaelic types (as glyph variant of 1E61 ś) ≡ 017F f 0307 ǒ	1EB2	Ǻ̇	LATIN CAPITAL LETTER A WITH BREVE AND HOOK ABOVE ≡ 0102 Ǻ̇ 0309 ǒ
<b>Medievalist additions</b>			1EB3	ǻ̇	LATIN SMALL LETTER A WITH BREVE AND HOOK ABOVE ≡ 0103 ǻ̇ 0309 ǒ
1E9C	ƒ	LATIN SMALL LETTER LONG S WITH DIAGONAL STROKE • Sorbian	1EB4	Ǻ̃	LATIN CAPITAL LETTER A WITH BREVE AND TILDE ≡ 0102 Ǻ̃ 0303 ǒ
1E9D	ƒ	LATIN SMALL LETTER LONG S WITH HIGH STROKE	1EB5	ǻ̃	LATIN SMALL LETTER A WITH BREVE AND TILDE ≡ 0103 ǻ̃ 0303 ǒ
<b>Addition for German typography</b>			1EB6	Ǻ̇̃	LATIN CAPITAL LETTER A WITH BREVE AND DOT BELOW ≡ 1EA0 Ă 0306 ǒ
1E9E	ſ	LATIN CAPITAL LETTER SHARP S • lowercase is 00DF ʒ → 00DF ʒ latin small letter sharp s	1EB7	ǻ̇̃	LATIN SMALL LETTER A WITH BREVE AND DOT BELOW ≡ 1EA1 a 0306 ǒ
<b>Medievalist addition</b>			1EB8	Ě	LATIN CAPITAL LETTER E WITH DOT BELOW ≡ 0045 Ě 0323 ǒ
1E9F	δ	LATIN SMALL LETTER DELTA	1EB9	ě	LATIN SMALL LETTER E WITH DOT BELOW ≡ 0065 e 0323 ǒ
<b>Latin extensions for Vietnamese</b>			1EBA	Ě̇	LATIN CAPITAL LETTER E WITH HOOK ABOVE ≡ 0045 Ě 0309 ǒ
1EA0	Ạ	LATIN CAPITAL LETTER A WITH DOT BELOW ≡ 0041 Ạ 0323 ǒ	1EBB	ě̇	LATIN SMALL LETTER E WITH HOOK ABOVE ≡ 0065 e 0309 ǒ
1EA1	ạ	LATIN SMALL LETTER A WITH DOT BELOW ≡ 0061 a 0323 ǒ	1EBC	Ễ	LATIN CAPITAL LETTER E WITH TILDE ≡ 0045 Ě 0303 ǒ
1EA2	Ằ	LATIN CAPITAL LETTER A WITH HOOK ABOVE ≡ 0041 Ạ 0309 ǒ	1EBD	ẽ	LATIN SMALL LETTER E WITH TILDE ≡ 0065 e 0303 ǒ
1EA3	ằ	LATIN SMALL LETTER A WITH HOOK ABOVE ≡ 0061 a 0309 ǒ	1EBE	Ễ	LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND ACUTE ≡ 00CA Ě̇ 0301 ǒ
1EA4	Ẳ	LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND ACUTE ≡ 00C2 Ắ 0301 ǒ			
1EA5	ắ	LATIN SMALL LETTER A WITH CIRCUMFLEX AND ACUTE ≡ 00E2 â 0301 ǒ			
1EA6	Ẳ	LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND GRAVE ≡ 00C2 Ắ 0300 ǒ			
1EA7	ằ	LATIN SMALL LETTER A WITH CIRCUMFLEX AND GRAVE ≡ 00E2 â 0300 ǒ			

1EBF	É	LATIN SMALL LETTER E WITH CIRCUMFLEX AND ACUTE ≡ 00EA ê 0301 é	1ED7	Ë	LATIN SMALL LETTER O WITH CIRCUMFLEX AND TILDE ≡ 00F4 ô 0303 õ
1EC0	Ê	LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND GRAVE ≡ 00CA Ê 0300 è	1ED8	Ô	LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND DOT BELOW ≡ 1ECC O 0302 ô
1EC1	è	LATIN SMALL LETTER E WITH CIRCUMFLEX AND GRAVE ≡ 00EA ê 0300 è	1ED9	ò	LATIN SMALL LETTER O WITH CIRCUMFLEX AND DOT BELOW ≡ 1ECD o 0302 ô
1EC2	Ë	LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND HOOK ABOVE ≡ 00CA Ê 0309 é	1EDA	Ó	LATIN CAPITAL LETTER O WITH HORN AND ACUTE ≡ 01A0 O 0301 ó
1EC3	é	LATIN SMALL LETTER E WITH CIRCUMFLEX AND HOOK ABOVE ≡ 00EA ê 0309 é	1EDB	ó	LATIN SMALL LETTER O WITH HORN AND ACUTE ≡ 01A1 o 0301 ó
1EC4	Ë	LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND TILDE ≡ 00CA Ê 0303 õ	1EDC	Ö	LATIN CAPITAL LETTER O WITH HORN AND GRAVE ≡ 01A0 O 0300 ò
1EC5	ë	LATIN SMALL LETTER E WITH CIRCUMFLEX AND TILDE ≡ 00EA ê 0303 õ	1EDD	ö	LATIN SMALL LETTER O WITH HORN AND GRAVE ≡ 01A1 o 0300 ò
1EC6	Ë	LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND DOT BELOW ≡ 1EB8 E 0302 ê	1EDE	Û	LATIN CAPITAL LETTER O WITH HORN AND HOOK ABOVE ≡ 01A0 O 0309 é
1EC7	ê	LATIN SMALL LETTER E WITH CIRCUMFLEX AND DOT BELOW ≡ 1EB9 e 0302 ê	1EDF	û	LATIN SMALL LETTER O WITH HORN AND HOOK ABOVE ≡ 01A1 o 0309 é
1EC8	Ï	LATIN CAPITAL LETTER I WITH HOOK ABOVE ≡ 0049 I 0309 ï	1EE0	Õ	LATIN CAPITAL LETTER O WITH HORN AND TILDE ≡ 01A0 O 0303 õ
1EC9	ï	LATIN SMALL LETTER I WITH HOOK ABOVE ≡ 0069 i 0309 ï	1EE1	õ	LATIN SMALL LETTER O WITH HORN AND TILDE ≡ 01A1 o 0303 õ
1ECA	İ	LATIN CAPITAL LETTER I WITH DOT BELOW ≡ 0049 I 0323 ı	1EE2	Ŏ	LATIN CAPITAL LETTER O WITH HORN AND DOT BELOW ≡ 01A0 O 0323 ȝ
1ECB	ı	LATIN SMALL LETTER I WITH DOT BELOW ≡ 0069 i 0323 ı	1EE3	ȝ	LATIN SMALL LETTER O WITH HORN AND DOT BELOW ≡ 01A1 o 0323 ȝ
1ECC	Ŏ	LATIN CAPITAL LETTER O WITH DOT BELOW ≡ 004F O 0323 ȝ	1EE4	Ū	LATIN CAPITAL LETTER U WITH DOT BELOW ≡ 0055 U 0323 ȝ
1ECD	o	LATIN SMALL LETTER O WITH DOT BELOW ≡ 006F o 0323 ȝ	1EE5	u	LATIN SMALL LETTER U WITH DOT BELOW ≡ 0075 u 0323 ȝ
1ECE	Ó	LATIN CAPITAL LETTER O WITH HOOK ABOVE ≡ 004F O 0309 é	1EE6	Û	LATIN CAPITAL LETTER U WITH HOOK ABOVE ≡ 0055 U 0309 é
1ECF	ó	LATIN SMALL LETTER O WITH HOOK ABOVE ≡ 006F o 0309 é	1EE7	ú	LATIN SMALL LETTER U WITH HOOK ABOVE ≡ 0075 u 0309 é
1ED0	Ŏ	LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND ACUTE ≡ 00D4 Ô 0301 ó	1EE8	Ŭ	LATIN CAPITAL LETTER U WITH HORN AND ACUTE ≡ 01AF U 0301 ó
1ED1	ó	LATIN SMALL LETTER O WITH CIRCUMFLEX AND ACUTE ≡ 00F4 ô 0301 ó	1EE9	ů	LATIN SMALL LETTER U WITH HORN AND ACUTE ≡ 01B0 u 0301 ó
1ED2	Ö	LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND GRAVE ≡ 00D4 Ô 0300 ò	1EEA	Û	LATIN CAPITAL LETTER U WITH HORN AND GRAVE ≡ 01AF U 0300 è
1ED3	ö	LATIN SMALL LETTER O WITH CIRCUMFLEX AND GRAVE ≡ 00F4 ô 0300 ò	1EEB	ů	LATIN SMALL LETTER U WITH HORN AND GRAVE ≡ 01B0 u 0300 è
1ED4	Ŏ	LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND HOOK ABOVE ≡ 00D4 Ô 0309 é	1EEC	Ŭ	LATIN CAPITAL LETTER U WITH HORN AND HOOK ABOVE ≡ 01AF U 0309 é
1ED5	ó	LATIN SMALL LETTER O WITH CIRCUMFLEX AND HOOK ABOVE ≡ 00F4 ô 0309 é	1EED	ů	LATIN SMALL LETTER U WITH HORN AND HOOK ABOVE ≡ 01B0 u 0309 é
1ED6	Ŏ	LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND TILDE ≡ 00D4 Ô 0303 õ			



- 1EEE Ũ LATIN CAPITAL LETTER U WITH HORN AND TILDE  
 ≡ 01AF Ũ 0303 Ǿ
- 1EEF ŭ LATIN SMALL LETTER U WITH HORN AND TILDE  
 ≡ 01B0 ŭ 0303 Ǿ
- 1EF0 Ū LATIN CAPITAL LETTER U WITH HORN AND DOT BELOW  
 ≡ 01AF Ū 0323 ̣
- 1EF1 ū LATIN SMALL LETTER U WITH HORN AND DOT BELOW  
 ≡ 01B0 ū 0323 ̣

**Latin general extensions**

- 1EF2 Ÿ LATIN CAPITAL LETTER Y WITH GRAVE  
 ≡ 0059 Ÿ 0300 ̀
- 1EF3 ÿ LATIN SMALL LETTER Y WITH GRAVE  
 • Welsh  
 ≡ 0079 y 0300 ̀
- 1EF4 Ŷ LATIN CAPITAL LETTER Y WITH DOT BELOW  
 ≡ 0059 Ŷ 0323 ̣
- 1EF5 y LATIN SMALL LETTER Y WITH DOT BELOW  
 ≡ 0079 y 0323 ̣
- 1EF6 Ÿ LATIN CAPITAL LETTER Y WITH HOOK ABOVE  
 ≡ 0059 Ÿ 0309 ̇
- 1EF7 ÿ LATIN SMALL LETTER Y WITH HOOK ABOVE  
 ≡ 0079 y 0309 ̇
- 1EF8 Ÿ LATIN CAPITAL LETTER Y WITH TILDE  
 ≡ 0059 Ÿ 0303 ̃
- 1EF9 ÿ LATIN SMALL LETTER Y WITH TILDE  
 ≡ 0079 y 0303 ̃

**Medievalist additions**

- 1EFA Ț LATIN CAPITAL LETTER MIDDLE-WELSH LL
- 1EFB ȥ LATIN SMALL LETTER MIDDLE-WELSH LL
- 1EFC ǫ LATIN CAPITAL LETTER MIDDLE-WELSH V
- 1EFD ǭ LATIN SMALL LETTER MIDDLE-WELSH V
- 1EFE Ț LATIN CAPITAL LETTER Y WITH LOOP
- 1EFF ȥ LATIN SMALL LETTER Y WITH LOOP

	1F0	1F1	1F2	1F3	1F4	1F5	1F6	1F7	1F8	1F9	1FA	1FB	1FC	1FD	1FE	1FF
0	Ά	Έ	Ή	Ί	Ό	ΰ	Ω	ά	ὰ	ή	ὠ	ἄ	~	ϊ	ϋ	
1	Ἄ	Ἐ	Ἠ	Ἰ	Ὀ	ὲ	ὦ	Ἄ	ἐ	ῶ	ἄ	ᾀ	ῖ	ῦ		
2	Ἄ̀	Ἒ	Ἢ	Ἲ	Ὂ	ὲ̀	ὦ̀	Ἄ̀	ἒ	ῶ̀	ἄ̀	ἦ̀	ἲ	ῖ̀	ῦ̀	ὢ
3	Ἄ̂	Ἐ̂	Ἠ̂	Ἰ̂	Ὀ̂	ὲ̂	ὦ̂	Ἄ̂	ἐ̂	ῶ̂	ἄ̂	ἦ̂	ἰ̂	ῖ̂	ῦ̂	ὠ̂
4	Ἄ̄	Ἐ̄	Ἠ̄	Ἰ̄	Ὀ̄	ὲ̄	ὦ̄	Ἄ̄	ἐ̄	ῶ̄	ἄ̄	ἦ̄			ῖ̄	ῦ̄
5	Ἄ̅	Ἐ̅	Ἠ̅	Ἰ̅	Ὀ̅	ὲ̅	ὦ̅	Ἄ̅	ἐ̅	ῶ̅					ῖ̅	ῦ̅
6	Ἄ̇		Ἠ̇	Ἰ̇		ὲ̇	ὦ̇	Ἄ̇	ἐ̇	ῶ̇	Ἄ̇	ἦ̇	ἰ̇	ῖ̇	ῦ̇	ὠ̇
7	Ἄ̈		Ἠ̈	Ἰ̈		ὲ̈	ὦ̈	Ἄ̈	ἐ̈	ῶ̈	Ἄ̈	ἦ̈	ἰ̈	ῖ̈	ῦ̈	ὠ̈
8	Ά̀	Έ̀	Ή̀	Ί̀	Ό̀		Ὼ	ὸ̀	Ά̀	Ἣ	Ὼ	Ἂ	Ἒ	Ί̀	Ὺ	Ό̀
9	Ά̂	Έ̂	Ή̂	Ί̂	Ό̂	Υ̂	Ω̂	ὸ̂	Ά̂	Ἡ̂	Ω̂	Ἀ̂	Ἐ̂	Ί̂	Υ̂	Ό̂
A	Ά̄	Έ̄	Ή̄	Ί̄	Ό̄		Ω̄	ὸ̄	Ά̄	Ἡ̄	Ω̄	Ἀ̄	Ἐ̄	Ί̄	Ῡ	Ω̄
B	Ά̅	Έ̅	Ή̅	Ί̅	Ό̅	Υ̅	Ω̅	ὸ̅	Ά̅	Ἡ̅	Ω̅	Ἀ̅	Ἐ̅	Ί̅	Υ̅	Ω̅
C	Ά̇	Έ̇	Ή̇	Ί̇	Ό̇		Ω̇	ὸ̇	Ά̇	Ἡ̇	Ω̇	Ἀ̇	Ἐ̇		Ψ̇	Ω̇
D	Ά̈	Έ̈	Ή̈	Ί̈	Ό̈	Ϋ	Ω̈	ὸ̈	Ά̈	Ἡ̈	Ω̈	΄	΃	΅	͂	̓
E	Ἀ̂		Ἡ̂	Ἰ̂			Ω̂		Ἀ̂	Ἡ̂	Ω̂		΄	΃	͂	̓
F	Ἀ̄		Ἡ̄	Ἰ̄		Ῡ	Ω̄		Ἀ̄	Ἡ̄	Ω̄	΄	΃	͂	̓	








**Precomposed polytonic Greek**

1F00	ἄ	GREEK SMALL LETTER ALPHA WITH PSILI ≡ 03B1 α 0313 ́	1F18	Ἐ	GREEK CAPITAL LETTER EPSILON WITH PSILI ≡ 0395 Ε 0313 ́
1F01	ἁ	GREEK SMALL LETTER ALPHA WITH DASIA ≡ 03B1 α 0314 ̂	1F19	Ἒ	GREEK CAPITAL LETTER EPSILON WITH DASIA ≡ 0395 Ε 0314 ̂
1F02	ἂ	GREEK SMALL LETTER ALPHA WITH PSILI AND VARIA ≡ 1F00 ἄ 0300 ̀	1F1A	Ἐ̂	GREEK CAPITAL LETTER EPSILON WITH PSILI AND VARIA ≡ 1F18 Ἐ 0300 ̀
1F03	ἃ	GREEK SMALL LETTER ALPHA WITH DASIA AND VARIA ≡ 1F01 ἁ 0300 ̀	1F1B	Ἒ̂	GREEK CAPITAL LETTER EPSILON WITH DASIA AND VARIA ≡ 1F19 Ἒ 0300 ̀
1F04	ἄ̂	GREEK SMALL LETTER ALPHA WITH PSILI AND OXIA ≡ 1F00 ἄ 0301 ̇	1F1C	Ἐ̇	GREEK CAPITAL LETTER EPSILON WITH PSILI AND OXIA ≡ 1F18 Ἐ 0301 ̇
1F05	ἁ̂	GREEK SMALL LETTER ALPHA WITH DASIA AND OXIA ≡ 1F01 ἁ 0301 ̇	1F1D	Ἒ̇	GREEK CAPITAL LETTER EPSILON WITH DASIA AND OXIA ≡ 1F19 Ἒ 0301 ̇
1F06	ἂ̃	GREEK SMALL LETTER ALPHA WITH PSILI AND PERISPOMENI ≡ 1F00 ἄ 0342 ̣	1F1E	⏏	<reserved>
1F07	ἃ̃	GREEK SMALL LETTER ALPHA WITH DASIA AND PERISPOMENI ≡ 1F01 ἁ 0342 ̣	1F1F	⏏	<reserved>
1F08	Ἀ	GREEK CAPITAL LETTER ALPHA WITH PSILI ≡ 0391 Α 0313 ́	1F20	ἥ	GREEK SMALL LETTER ETA WITH PSILI ≡ 03B7 η 0313 ́
1F09	Ἀ̂	GREEK CAPITAL LETTER ALPHA WITH DASIA ≡ 0391 Α 0314 ̂	1F21	ἦ	GREEK SMALL LETTER ETA WITH DASIA ≡ 03B7 η 0314 ̂
1F0A	Ἀ̂	GREEK CAPITAL LETTER ALPHA WITH PSILI AND VARIA ≡ 1F08 Ἀ 0300 ̀	1F22	ἥ̂	GREEK SMALL LETTER ETA WITH PSILI AND VARIA ≡ 1F20 ἥ 0300 ̀
1F0B	Ἀ̂	GREEK CAPITAL LETTER ALPHA WITH DASIA AND VARIA ≡ 1F09 Ἀ̂ 0300 ̀	1F23	ἦ̂	GREEK SMALL LETTER ETA WITH DASIA AND VARIA ≡ 1F21 ἦ 0300 ̀
1F0C	Ἀ̂	GREEK CAPITAL LETTER ALPHA WITH PSILI AND OXIA ≡ 1F08 Ἀ 0301 ̇	1F24	ἥ̇	GREEK SMALL LETTER ETA WITH PSILI AND OXIA ≡ 1F20 ἥ 0301 ̇
1F0D	Ἀ̂	GREEK CAPITAL LETTER ALPHA WITH DASIA AND OXIA ≡ 1F09 Ἀ̂ 0301 ̇	1F25	ἦ̇	GREEK SMALL LETTER ETA WITH DASIA AND OXIA ≡ 1F21 ἦ 0301 ̇
1F0E	Ἀ̃	GREEK CAPITAL LETTER ALPHA WITH PSILI AND PERISPOMENI ≡ 1F08 Ἀ 0342 ̣	1F26	ἥ̃	GREEK SMALL LETTER ETA WITH PSILI AND PERISPOMENI ≡ 1F20 ἥ 0342 ̣
1F0F	Ἀ̃	GREEK CAPITAL LETTER ALPHA WITH DASIA AND PERISPOMENI ≡ 1F09 Ἀ̂ 0342 ̣	1F27	ἦ̃	GREEK SMALL LETTER ETA WITH DASIA AND PERISPOMENI ≡ 1F21 ἦ 0342 ̣
1F10	ἐ	GREEK SMALL LETTER EPSILON WITH PSILI ≡ 03B5 ε 0313 ́	1F28	Ἡ	GREEK CAPITAL LETTER ETA WITH PSILI ≡ 0397 Η 0313 ́
1F11	ἐ̂	GREEK SMALL LETTER EPSILON WITH DASIA ≡ 03B5 ε 0314 ̂	1F29	Ἡ̂	GREEK CAPITAL LETTER ETA WITH DASIA ≡ 0397 Η 0314 ̂
1F12	ἐ̂	GREEK SMALL LETTER EPSILON WITH PSILI AND VARIA ≡ 1F10 ἐ 0300 ̀	1F2A	Ἡ̂	GREEK CAPITAL LETTER ETA WITH PSILI AND VARIA ≡ 1F28 Ἡ 0300 ̀
1F13	ἐ̂	GREEK SMALL LETTER EPSILON WITH DASIA AND VARIA ≡ 1F11 ἐ̂ 0300 ̀	1F2B	Ἡ̂	GREEK CAPITAL LETTER ETA WITH DASIA AND VARIA ≡ 1F29 Ἡ̂ 0300 ̀
1F14	ἐ̂̇	GREEK SMALL LETTER EPSILON WITH PSILI AND OXIA ≡ 1F10 ἐ 0301 ̇	1F2C	Ἡ̂̇	GREEK CAPITAL LETTER ETA WITH PSILI AND OXIA ≡ 1F28 Ἡ 0301 ̇
1F15	ἐ̂̇	GREEK SMALL LETTER EPSILON WITH DASIA AND OXIA ≡ 1F11 ἐ̂ 0301 ̇	1F2D	Ἡ̂̇	GREEK CAPITAL LETTER ETA WITH DASIA AND OXIA ≡ 1F29 Ἡ̂̇ 0301 ̇
1F16	⏏	<reserved>	1F2E	Ἡ̃	GREEK CAPITAL LETTER ETA WITH PSILI AND PERISPOMENI ≡ 1F28 Ἡ 0342 ̣
1F17	⏏	<reserved>	1F2F	Ἡ̃	GREEK CAPITAL LETTER ETA WITH DASIA AND PERISPOMENI ≡ 1F29 Ἡ̂̇ 0342 ̣
			1F30	ι	GREEK SMALL LETTER IOTA WITH PSILI ≡ 03B9 ι 0313 ́

1F31	ι	GREEK SMALL LETTER IOTA WITH DASIA ≡ 03B9 ι 0314 ♂	1F4A	Ό	GREEK CAPITAL LETTER OMICRON WITH PSILI AND VARIA ≡ 1F48 Ό 0300 ♂
1F32	ϊ	GREEK SMALL LETTER IOTA WITH PSILI AND VARIA ≡ 1F30 ι 0300 ♂	1F4B	Ὀ	GREEK CAPITAL LETTER OMICRON WITH DASIA AND VARIA ≡ 1F49 Ὀ 0300 ♂
1F33	ἰ	GREEK SMALL LETTER IOTA WITH DASIA AND VARIA ≡ 1F31 ι 0300 ♂	1F4C	Ϝ	GREEK CAPITAL LETTER OMICRON WITH PSILI AND OXIA ≡ 1F48 Ό 0301 ♂
1F34	ϐ	GREEK SMALL LETTER IOTA WITH PSILI AND OXIA ≡ 1F30 ι 0301 ♂	1F4D	Ϝ	GREEK CAPITAL LETTER OMICRON WITH DASIA AND OXIA ≡ 1F49 Ὀ 0301 ♂
1F35	ἱ	GREEK SMALL LETTER IOTA WITH DASIA AND OXIA ≡ 1F31 ι 0301 ♂	1F4E	▩	<reserved>
1F36	ἲ	GREEK SMALL LETTER IOTA WITH PSILI AND PERISPOMENI ≡ 1F30 ι 0342 ♂	1F4F	▩	<reserved>
1F37	ἳ	GREEK SMALL LETTER IOTA WITH DASIA AND PERISPOMENI ≡ 1F31 ι 0342 ♂	1F50	υ	GREEK SMALL LETTER UPSILON WITH PSILI ≡ 03C5 υ 0313 ♂
1F38	Ι	GREEK CAPITAL LETTER IOTA WITH PSILI ≡ 0399 Ι 0313 ♂	1F51	ύ	GREEK SMALL LETTER UPSILON WITH DASIA ≡ 03C5 υ 0314 ♂
1F39	Ϊ	GREEK CAPITAL LETTER IOTA WITH DASIA ≡ 0399 Ι 0314 ♂	1F52	ϐ	GREEK SMALL LETTER UPSILON WITH PSILI AND VARIA ≡ 1F50 υ 0300 ♂
1F3A	Ϝ	GREEK CAPITAL LETTER IOTA WITH PSILI AND VARIA ≡ 1F38 Ι 0300 ♂	1F53	ϐ	GREEK SMALL LETTER UPSILON WITH DASIA AND VARIA ≡ 1F51 υ 0300 ♂
1F3B	Ϝ	GREEK CAPITAL LETTER IOTA WITH DASIA AND VARIA ≡ 1F39 Ϊ 0300 ♂	1F54	ϕ	GREEK SMALL LETTER UPSILON WITH PSILI AND OXIA ≡ 1F50 υ 0301 ♂
1F3C	Ϝ	GREEK CAPITAL LETTER IOTA WITH PSILI AND OXIA ≡ 1F38 Ι 0301 ♂	1F55	ϕ	GREEK SMALL LETTER UPSILON WITH DASIA AND OXIA ≡ 1F51 υ 0301 ♂
1F3D	Ϝ	GREEK CAPITAL LETTER IOTA WITH DASIA AND OXIA ≡ 1F39 Ϊ 0301 ♂	1F56	ϕ	GREEK SMALL LETTER UPSILON WITH PSILI AND PERISPOMENI ≡ 1F50 υ 0342 ♂
1F3E	ϝ	GREEK CAPITAL LETTER IOTA WITH PSILI AND PERISPOMENI ≡ 1F38 Ι 0342 ♂	1F57	ϕ	GREEK SMALL LETTER UPSILON WITH DASIA AND PERISPOMENI ≡ 1F51 υ 0342 ♂
1F3F	ϝ	GREEK CAPITAL LETTER IOTA WITH DASIA AND PERISPOMENI ≡ 1F39 Ϊ 0342 ♂	1F58	▩	<reserved>
1F40	ο	GREEK SMALL LETTER OMICRON WITH PSILI ≡ 03BF ο 0313 ♂	1F59	Υ	GREEK CAPITAL LETTER UPSILON WITH DASIA ≡ 03A5 Υ 0314 ♂
1F41	ό	GREEK SMALL LETTER OMICRON WITH DASIA ≡ 03BF ο 0314 ♂	1F5A	▩	<reserved>
1F42	ὀ	GREEK SMALL LETTER OMICRON WITH PSILI AND VARIA ≡ 1F40 ο 0300 ♂	1F5B	Ϛ	GREEK CAPITAL LETTER UPSILON WITH DASIA AND VARIA ≡ 1F59 Υ 0300 ♂
1F43	ὂ	GREEK SMALL LETTER OMICRON WITH DASIA AND VARIA ≡ 1F41 ο 0300 ♂	1F5C	▩	<reserved>
1F44	ϝ	GREEK SMALL LETTER OMICRON WITH PSILI AND OXIA ≡ 1F40 ο 0301 ♂	1F5D	Ϛ	GREEK CAPITAL LETTER UPSILON WITH DASIA AND OXIA ≡ 1F59 Υ 0301 ♂
1F45	ϝ	GREEK SMALL LETTER OMICRON WITH DASIA AND OXIA ≡ 1F41 ο 0301 ♂	1F5E	▩	<reserved>
1F46	▩	<reserved>	1F5F	Ϛ	GREEK CAPITAL LETTER UPSILON WITH DASIA AND PERISPOMENI ≡ 1F59 Υ 0342 ♂
1F47	▩	<reserved>	1F60	ω	GREEK SMALL LETTER OMEGA WITH PSILI ≡ 03C9 ω 0313 ♂
1F48	Ο	GREEK CAPITAL LETTER OMICRON WITH PSILI ≡ 039F Ο 0313 ♂	1F61	ώ	GREEK SMALL LETTER OMEGA WITH DASIA ≡ 03C9 ω 0314 ♂
1F49	Ὀ	GREEK CAPITAL LETTER OMICRON WITH DASIA ≡ 039F Ο 0314 ♂	1F62	ϐ	GREEK SMALL LETTER OMEGA WITH PSILI AND VARIA ≡ 1F60 ω 0300 ♂
			1F63	ϐ	GREEK SMALL LETTER OMEGA WITH DASIA AND VARIA ≡ 1F61 ώ 0300 ♂
			1F64	ϕ	GREEK SMALL LETTER OMEGA WITH PSILI AND OXIA ≡ 1F60 ω 0301 ♂




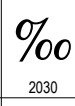


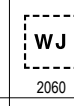
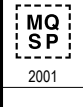

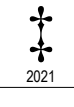
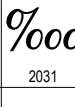
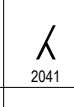
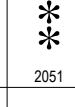
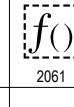


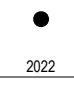
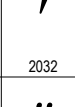
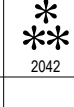
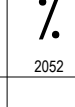
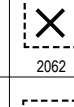
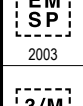


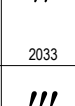
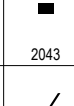
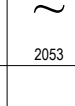
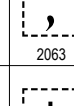


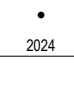
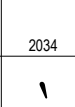
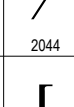
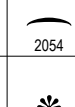
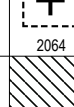


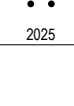
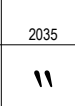
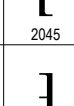
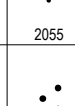

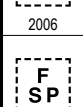

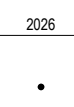
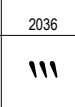
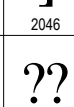
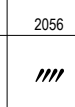

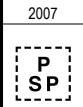


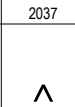
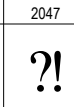
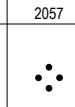




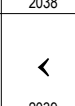
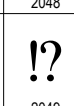
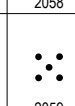


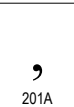

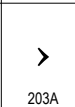

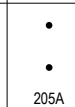
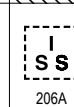






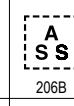


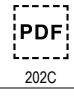
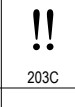
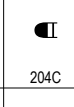
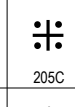
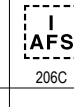
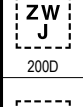


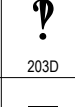
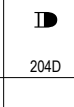
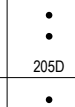
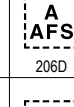
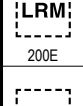

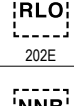
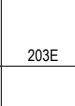

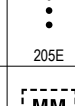
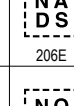


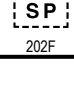

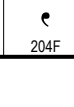
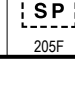
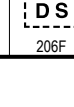
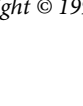



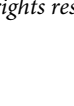


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1F66	ὀ	GREEK SMALL LETTER OMEGA WITH PSILI AND PERISPOMENI ≡ 1F60 ὀ 0342 ϛ	1F81	ᾘ	GREEK SMALL LETTER ALPHA WITH DASIA AND YPOGEGRAMMENI ≡ 1F01 ᾘ 0345 Ϙ
1F67	ὶ	GREEK SMALL LETTER OMEGA WITH DASIA AND PERISPOMENI ≡ 1F61 ὶ 0342 ϛ	1F82	ᾙ	GREEK SMALL LETTER ALPHA WITH PSILI AND VARIA AND YPOGEGRAMMENI ≡ 1F02 ᾙ 0345 Ϙ
1F68	Ω	GREEK CAPITAL LETTER OMEGA WITH PSILI ≡ 03A9 Ω 0313 ς	1F83	ᾚ	GREEK SMALL LETTER ALPHA WITH DASIA AND VARIA AND YPOGEGRAMMENI ≡ 1F03 ᾚ 0345 Ϙ
1F69	ῶ	GREEK CAPITAL LETTER OMEGA WITH DASIA ≡ 03A9 ῶ 0314 ς	1F84	ᾛ	GREEK SMALL LETTER ALPHA WITH PSILI AND OXIA AND YPOGEGRAMMENI ≡ 1F04 ᾛ 0345 Ϙ
1F6A	ῷ	GREEK CAPITAL LETTER OMEGA WITH PSILI AND VARIA ≡ 1F68 ῷ 0300 ς	1F85	ᾜ	GREEK SMALL LETTER ALPHA WITH DASIA AND OXIA AND YPOGEGRAMMENI ≡ 1F05 ᾜ 0345 Ϙ
1F6B	Ὸ	GREEK CAPITAL LETTER OMEGA WITH DASIA AND VARIA ≡ 1F69 Ὸ 0300 ς	1F86	ᾝ	GREEK SMALL LETTER ALPHA WITH PSILI AND PERISPOMENI AND YPOGEGRAMMENI ≡ 1F06 ᾝ 0345 Ϙ
1F6C	Ό	GREEK CAPITAL LETTER OMEGA WITH PSILI AND OXIA ≡ 1F68 Ό 0301 ς	1F87	ᾞ	GREEK SMALL LETTER ALPHA WITH DASIA AND PERISPOMENI AND YPOGEGRAMMENI ≡ 1F07 ᾞ 0345 Ϙ
1F6D	Ὼ	GREEK CAPITAL LETTER OMEGA WITH DASIA AND OXIA ≡ 1F69 Ὼ 0301 ς	1F88	Ἀ	GREEK CAPITAL LETTER ALPHA WITH PSILI AND PROSGEGRAMMENI ≡ 1F08 Ἀ 0345 Ϙ
1F6E	Ώ	GREEK CAPITAL LETTER OMEGA WITH PSILI AND PERISPOMENI ≡ 1F68 Ώ 0342 ϛ	1F89	Ἀ	GREEK CAPITAL LETTER ALPHA WITH DASIA AND PROSGEGRAMMENI ≡ 1F09 Ἀ 0345 Ϙ
1F6F	ῼ	GREEK CAPITAL LETTER OMEGA WITH DASIA AND PERISPOMENI ≡ 1F69 ῼ 0342 ϛ	1F8A	Ἀ	GREEK CAPITAL LETTER ALPHA WITH PSILI AND VARIA AND PROSGEGRAMMENI ≡ 1F0A Ἀ 0345 Ϙ
1F70	ᾀ	GREEK SMALL LETTER ALPHA WITH VARIA ≡ 03B1 α 0300 ς	1F8B	Ἀ	GREEK CAPITAL LETTER ALPHA WITH DASIA AND VARIA AND PROSGEGRAMMENI ≡ 1F0B Ἀ 0345 Ϙ
1F71	ᾁ	GREEK SMALL LETTER ALPHA WITH OXIA ≡ 03AC ᾁ greek small letter alpha with tonos	1F8C	Ἀ	GREEK CAPITAL LETTER ALPHA WITH PSILI AND OXIA AND PROSGEGRAMMENI ≡ 1F0C Ἀ 0345 Ϙ
1F72	Ἔ	GREEK SMALL LETTER EPSILON WITH VARIA ≡ 03B5 ε 0300 ς	1F8D	Ἀ	GREEK CAPITAL LETTER ALPHA WITH DASIA AND OXIA AND PROSGEGRAMMENI ≡ 1F0D Ἀ 0345 Ϙ
1F73	Ἐ	GREEK SMALL LETTER EPSILON WITH OXIA ≡ 03AD Ἐ greek small letter epsilon with tonos	1F8E	Ἄ	GREEK CAPITAL LETTER ALPHA WITH PSILI AND PERISPOMENI AND PROSGEGRAMMENI ≡ 1F0E Ἄ 0345 Ϙ
1F74	ἥ	GREEK SMALL LETTER ETA WITH VARIA ≡ 03B7 η 0300 ς	1F8F	Ἄ	GREEK CAPITAL LETTER ALPHA WITH DASIA AND PERISPOMENI AND PROSGEGRAMMENI ≡ 1F0F Ἄ 0345 Ϙ
1F75	ἦ	GREEK SMALL LETTER ETA WITH OXIA ≡ 03AE ἦ greek small letter eta with tonos	1F90	ἥ	GREEK SMALL LETTER ETA WITH PSILI AND YPOGEGRAMMENI ≡ 1F20 ἥ 0345 Ϙ
1F76	ἰ	GREEK SMALL LETTER IOTA WITH VARIA ≡ 03B9 ι 0300 ς	1F91	ἦ	GREEK SMALL LETTER ETA WITH DASIA AND YPOGEGRAMMENI ≡ 1F21 ἦ 0345 Ϙ
1F77	ἱ	GREEK SMALL LETTER IOTA WITH OXIA ≡ 03AF ἱ greek small letter iota with tonos	1F92	ἧ	GREEK SMALL LETTER ETA WITH PSILI AND VARIA AND YPOGEGRAMMENI ≡ 1F22 ἧ 0345 Ϙ
1F78	ὀ	GREEK SMALL LETTER OMICRON WITH VARIA ≡ 03BF ο 0300 ς	1F93	ἧ	GREEK SMALL LETTER ETA WITH DASIA AND VARIA AND YPOGEGRAMMENI ≡ 1F23 ἧ 0345 Ϙ
1F79	ὂ	GREEK SMALL LETTER OMICRON WITH OXIA ≡ 03CC ὂ greek small letter omicron with tonos	1F94	ἧ	GREEK SMALL LETTER ETA WITH PSILI AND OXIA AND YPOGEGRAMMENI ≡ 1F24 ἧ 0345 Ϙ
1F7A	ὐ	GREEK SMALL LETTER UPSILON WITH VARIA ≡ 03C5 υ 0300 ς			
1F7B	ὖ	GREEK SMALL LETTER UPSILON WITH OXIA ≡ 03CD ὖ greek small letter upsilon with tonos			
1F7C	ὠ	GREEK SMALL LETTER OMEGA WITH VARIA ≡ 03C9 ω 0300 ς			
1F7D	ὡ	GREEK SMALL LETTER OMEGA WITH OXIA ≡ 03CE ὡ greek small letter omega with tonos			
1F7E	⏏	<reserved>			
1F7F	⏏	<reserved>			

1F95	ἥ	GREEK SMALL LETTER ETA WITH DASIA AND OXIA AND YPOGEGRAMMENI ≡ 1F25 ἥ 0345 ◌	1FAA	Ω̂	GREEK CAPITAL LETTER OMEGA WITH PSILI AND VARIA AND PROSGEGRAMMENI ≡ 1F6A Ω̂ 0345 ◌
1F96	ἧ	GREEK SMALL LETTER ETA WITH PSILI AND PERISPOMENI AND YPOGEGRAMMENI ≡ 1F26 ἧ 0345 ◌	1FAB	Ω̃	GREEK CAPITAL LETTER OMEGA WITH DASIA AND VARIA AND PROSGEGRAMMENI ≡ 1F6B Ω̃ 0345 ◌
1F97	ἧ̂	GREEK SMALL LETTER ETA WITH DASIA AND PERISPOMENI AND YPOGEGRAMMENI ≡ 1F27 ἧ̂ 0345 ◌	1FAC	Ω̂	GREEK CAPITAL LETTER OMEGA WITH PSILI AND OXIA AND PROSGEGRAMMENI ≡ 1F6C Ω̂ 0345 ◌
1F98	Ἡ	GREEK CAPITAL LETTER ETA WITH PSILI AND PROSGEGRAMMENI ≡ 1F28 Ἡ 0345 ◌	1FAD	Ω̃	GREEK CAPITAL LETTER OMEGA WITH DASIA AND OXIA AND PROSGEGRAMMENI ≡ 1F6D Ω̃ 0345 ◌
1F99	Ἡ	GREEK CAPITAL LETTER ETA WITH DASIA AND PROSGEGRAMMENI ≡ 1F29 Ἡ 0345 ◌	1FAE	Ω̂	GREEK CAPITAL LETTER OMEGA WITH PSILI AND PERISPOMENI AND PROSGEGRAMMENI ≡ 1F6E Ω̂ 0345 ◌
1F9A	Ἡ̂	GREEK CAPITAL LETTER ETA WITH PSILI AND VARIA AND PROSGEGRAMMENI ≡ 1F2A Ἡ̂ 0345 ◌	1FAF	Ω̃	GREEK CAPITAL LETTER OMEGA WITH DASIA AND PERISPOMENI AND PROSGEGRAMMENI ≡ 1F6F Ω̃ 0345 ◌
1F9B	Ἡ̂	GREEK CAPITAL LETTER ETA WITH DASIA AND VARIA AND PROSGEGRAMMENI ≡ 1F2B Ἡ̂ 0345 ◌	1FB0	ἄ	GREEK SMALL LETTER ALPHA WITH VRACHY ≡ 03B1 α 0306 ͂
1F9C	Ἡ̃	GREEK CAPITAL LETTER ETA WITH PSILI AND OXIA AND PROSGEGRAMMENI ≡ 1F2C Ἡ̃ 0345 ◌	1FB1	ἄ̂	GREEK SMALL LETTER ALPHA WITH MACRON ≡ 03B1 α 0304 ̂
1F9D	Ἡ̃	GREEK CAPITAL LETTER ETA WITH DASIA AND OXIA AND PROSGEGRAMMENI ≡ 1F2D Ἡ̃ 0345 ◌	1FB2	ἄ̂	GREEK SMALL LETTER ALPHA WITH VARIA AND YPOGEGRAMMENI ≡ 1F70 ἄ̂ 0345 ◌
1F9E	Ἡ̂	GREEK CAPITAL LETTER ETA WITH PSILI AND PERISPOMENI AND PROSGEGRAMMENI ≡ 1F2E Ἡ̂ 0345 ◌	1FB3	ἄ̂	GREEK SMALL LETTER ALPHA WITH YPOGEGRAMMENI ≡ 03B1 α 0345 ◌
1F9F	Ἡ̂	GREEK CAPITAL LETTER ETA WITH DASIA AND PERISPOMENI AND PROSGEGRAMMENI ≡ 1F2F Ἡ̂ 0345 ◌	1FB4	ἄ̂	GREEK SMALL LETTER ALPHA WITH OXIA AND YPOGEGRAMMENI ≡ 03AC ἄ̂ 0345 ◌
1FA0	ϖ̂	GREEK SMALL LETTER OMEGA WITH PSILI AND YPOGEGRAMMENI ≡ 1F60 ϖ̂ 0345 ◌	1FB5	Ⓢ	<reserved>
1FA1	ϖ̂	GREEK SMALL LETTER OMEGA WITH DASIA AND YPOGEGRAMMENI ≡ 1F61 ϖ̂ 0345 ◌	1FB6	ἄ̂	GREEK SMALL LETTER ALPHA WITH PERISPOMENI ≡ 03B1 α 0342 ͂
1FA2	ϖ̂	GREEK SMALL LETTER OMEGA WITH PSILI AND VARIA AND YPOGEGRAMMENI ≡ 1F62 ϖ̂ 0345 ◌	1FB7	ἄ̂	GREEK SMALL LETTER ALPHA WITH PERISPOMENI AND YPOGEGRAMMENI ≡ 1FB6 ἄ̂ 0345 ◌
1FA3	ϖ̂	GREEK SMALL LETTER OMEGA WITH DASIA AND VARIA AND YPOGEGRAMMENI ≡ 1F63 ϖ̂ 0345 ◌	1FB8	Ἀ̂	GREEK CAPITAL LETTER ALPHA WITH VRACHY ≡ 0391 Α̂ 0306 ͂
1FA4	ϖ̂	GREEK SMALL LETTER OMEGA WITH PSILI AND OXIA AND YPOGEGRAMMENI ≡ 1F64 ϖ̂ 0345 ◌	1FB9	Ἀ̂	GREEK CAPITAL LETTER ALPHA WITH MACRON ≡ 0391 Α̂ 0304 ̂
1FA5	ϖ̂	GREEK SMALL LETTER OMEGA WITH DASIA AND OXIA AND YPOGEGRAMMENI ≡ 1F65 ϖ̂ 0345 ◌	1FBA	Ἀ̂	GREEK CAPITAL LETTER ALPHA WITH VARIA ≡ 0391 Α̂ 0300 ͂
1FA6	ϖ̂	GREEK SMALL LETTER OMEGA WITH PSILI AND PERISPOMENI AND YPOGEGRAMMENI ≡ 1F66 ϖ̂ 0345 ◌	1FBB	Ἀ̂	GREEK CAPITAL LETTER ALPHA WITH OXIA ≡ 0386 Α̂ greek capital letter alpha with tonos
1FA7	ϖ̂	GREEK SMALL LETTER OMEGA WITH DASIA AND PERISPOMENI AND YPOGEGRAMMENI ≡ 1F67 ϖ̂ 0345 ◌	1FBC	Α̂	GREEK CAPITAL LETTER ALPHA WITH PROSGEGRAMMENI ≡ 0391 Α̂ 0345 ◌
1FA8	Ω̂	GREEK CAPITAL LETTER OMEGA WITH PSILI AND PROSGEGRAMMENI ≡ 1F68 Ω̂ 0345 ◌	1FBD	͂	GREEK KORONIS ≈ 0020 <span style="border: 1px dashed black; padding: 0 2px;">SP</span> 0313 ͂
1FA9	Ω̂	GREEK CAPITAL LETTER OMEGA WITH DASIA AND PROSGEGRAMMENI ≡ 1F69 Ω̂ 0345 ◌	1FBE	͂	GREEK PROSGEGRAMMENI ≡ 03B9 ι greek small letter iota
			1FBF	͂	GREEK PSILI → 02BC ͂ modifier letter apostrophe ≈ 0020 <span style="border: 1px dashed black; padding: 0 2px;">SP</span> 0313 ͂
			1FC0	͂	GREEK PERISPOMENI ≈ 0020 <span style="border: 1px dashed black; padding: 0 2px;">SP</span> 0342 ͂
			1FC1	͂	GREEK DIALYTIKA AND PERISPOMENI ≡ 00A8 ͂ 0342 ͂
			1FC2	ἥ	GREEK SMALL LETTER ETA WITH VARIA AND YPOGEGRAMMENI ≡ 1F74 ἥ 0345 ◌

1FC3	η	GREEK SMALL LETTER ETA WITH YPOGEGRAMMENI ≡ 03B7 η 0345 ◌̣	1FE0	Ϸ	GREEK SMALL LETTER UPSILON WITH VRACHY ≡ 03C5 υ 0306 ◌̣
1FC4	ή	GREEK SMALL LETTER ETA WITH OXIA AND YPOGEGRAMMENI ≡ 03AE ή 0345 ◌̣	1FE1	ῶ	GREEK SMALL LETTER UPSILON WITH MACRON ≡ 03C5 υ 0304 ◌̄
1FC5		<reserved>	1FE2	ὺ	GREEK SMALL LETTER UPSILON WITH DIALYTIKA AND VARIA ≡ 03CB ὺ 0300 ◌̣
1FC6	ῆ	GREEK SMALL LETTER ETA WITH PERISPOMENI ≡ 03B7 η 0342 ◌̂	1FE3	ύ	GREEK SMALL LETTER UPSILON WITH DIALYTIKA AND OXIA ≡ 03B0 ύ greek small letter upsilon with dialytika and tonos
1FC7	ῆ	GREEK SMALL LETTER ETA WITH PERISPOMENI AND YPOGEGRAMMENI ≡ 1FC6 ῆ 0345 ◌̣	1FE4	ρ̣	GREEK SMALL LETTER RHO WITH PSILI ≡ 03C1 ρ 0313 ◌̣
1FC8	Ε	GREEK CAPITAL LETTER EPSILON WITH VARIA ≡ 0395 Ε 0300 ◌̣	1FE5	ρ̣	GREEK SMALL LETTER RHO WITH DASIA ≡ 03C1 ρ 0314 ◌̣
1FC9	Ε	GREEK CAPITAL LETTER EPSILON WITH OXIA ≡ 0388 Ε greek capital letter epsilon with tonos	1FE6	ῶ	GREEK SMALL LETTER UPSILON WITH PERISPOMENI ≡ 03C5 υ 0342 ◌̂
1FCA	Η	GREEK CAPITAL LETTER ETA WITH VARIA ≡ 0397 Η 0300 ◌̣	1FE7	ῶ	GREEK SMALL LETTER UPSILON WITH DIALYTIKA AND PERISPOMENI ≡ 03CB ὺ 0342 ◌̂
1FCB	Η	GREEK CAPITAL LETTER ETA WITH OXIA ≡ 0389 Η greek capital letter eta with tonos	1FE8	Υ	GREEK CAPITAL LETTER UPSILON WITH VRACHY ≡ 03A5 Υ 0306 ◌̣
1FCC	Η	GREEK CAPITAL LETTER ETA WITH PROSGEGRAMMENI ≡ 0397 Η 0345 ◌̣	1FE9	Ὼ	GREEK CAPITAL LETTER UPSILON WITH MACRON ≡ 03A5 Υ 0304 ◌̄
1FCD	ˆ	GREEK PSILI AND VARIA ≡ 1FBF ˆ 0300 ◌̣	1FEA	Υ	GREEK CAPITAL LETTER UPSILON WITH VARIA ≡ 03A5 Υ 0300 ◌̣
1FCE	ˆ	GREEK PSILI AND OXIA ≡ 1FBF ˆ 0301 ◌̄	1FEB	Υ	GREEK CAPITAL LETTER UPSILON WITH OXIA ≡ 038E Υ greek capital letter upsilon with tonos
1FCF	ˆ	GREEK PSILI AND PERISPOMENI ≡ 1FBF ˆ 0342 ◌̂	1FEC	Ρ	GREEK CAPITAL LETTER RHO WITH DASIA ≡ 03A1 Ρ 0314 ◌̣
1FD0	ι	GREEK SMALL LETTER IOTA WITH VRACHY ≡ 03B9 ι 0306 ◌̣	1FED	ˆ	GREEK DIALYTIKA AND VARIA ≡ 00A8 ˆ 0300 ◌̣
1FD1	ῖ	GREEK SMALL LETTER IOTA WITH MACRON ≡ 03B9 ι 0304 ◌̄	1FEE	ˆ	GREEK DIALYTIKA AND OXIA ≡ 0385 ˆ greek dialytika tonos
1FD2	ῖ	GREEK SMALL LETTER IOTA WITH DIALYTIKA AND VARIA ≡ 03CA ῖ 0300 ◌̣	1FEF	˘	GREEK VARIA ≡ 0060 ˘ grave accent
1FD3	ί	GREEK SMALL LETTER IOTA WITH DIALYTIKA AND OXIA ≡ 0390 ί greek small letter iota with dialytika and tonos	1FF0		<reserved>
1FD4		<reserved>	1FF1		<reserved>
1FD5		<reserved>	1FF2	Ϸ̣	GREEK SMALL LETTER OMEGA WITH VARIA AND YPOGEGRAMMENI ≡ 1F7C ω̣ 0345 ◌̣
1FD6	ῖ	GREEK SMALL LETTER IOTA WITH PERISPOMENI ≡ 03B9 ι 0342 ◌̂	1FF3	ω̣	GREEK SMALL LETTER OMEGA WITH YPOGEGRAMMENI ≡ 03C9 ω̣ 0345 ◌̣
1FD7	ῖ	GREEK SMALL LETTER IOTA WITH DIALYTIKA AND PERISPOMENI ≡ 03CA ῖ 0342 ◌̂	1FF4	ώ	GREEK SMALL LETTER OMEGA WITH OXIA AND YPOGEGRAMMENI ≡ 03CE ώ 0345 ◌̣
1FD8	Ϊ	GREEK CAPITAL LETTER IOTA WITH VRACHY ≡ 0399 Ϊ 0306 ◌̣	1FF5		<reserved>
1FD9	Ὶ	GREEK CAPITAL LETTER IOTA WITH MACRON ≡ 0399 Ϊ 0304 ◌̄	1FF6	ῶ	GREEK SMALL LETTER OMEGA WITH PERISPOMENI ≡ 03C9 ω 0342 ◌̂
1FDA	Ϊ	GREEK CAPITAL LETTER IOTA WITH VARIA ≡ 0399 Ϊ 0300 ◌̣	1FF7	ῶ	GREEK SMALL LETTER OMEGA WITH PERISPOMENI AND YPOGEGRAMMENI ≡ 1FF6 ῶ 0345 ◌̣
1FDB	Ϊ	GREEK CAPITAL LETTER IOTA WITH OXIA ≡ 038A Ϊ greek capital letter iota with tonos	1FF8	Ϛ	GREEK CAPITAL LETTER OMICRON WITH VARIA ≡ 039F Ϛ 0300 ◌̣
1FDC		<reserved>	1FF9	Ϛ	GREEK CAPITAL LETTER OMICRON WITH OXIA ≡ 038C Ϛ greek capital letter omicron with tonos
1FDD	ˆ	GREEK DASIA AND VARIA ≡ 1FFE ˆ 0300 ◌̣	1FFA	Ϛ	GREEK CAPITAL LETTER OMEGA WITH VARIA ≡ 03A9 Ω 0300 ◌̣
1FDE	ˆ	GREEK DASIA AND OXIA ≡ 1FFE ˆ 0301 ◌̄			
1FDF	ˆ	GREEK DASIA AND PERISPOMENI ≡ 1FFE ˆ 0342 ◌̂			

























1FFB Ω GREEK CAPITAL LETTER OMEGA WITH OXIA  
 ≡ 038F Ω greek capital letter omega with tonos  
 1FFC Ω GREEK CAPITAL LETTER OMEGA WITH  
 PROSGEGRAMMENI  
 ≡ 03A9 Ω 0345 ϖ  
 1FFD ´ GREEK OXIA  
 ≡ 00B4 ´ acute accent  
 1FFE ´ GREEK DASIA  
 → 02BD ´ modifier letter reversed comma  
 ≈ 0020 SP 0314 ó







	200	201	202	203	204	205	206
0							
1							
2							
3							
4							
5							
6							
7							
8							
9							
A							
B							
C							
D							
E							
F							

For additional general punctuation characters see also *Basic Latin, Latin-1, Supplemental Punctuation and CJK Symbols and Punctuation*.




### Spaces

- 2000  EN QUAD  
≡ 2002  en space
- 2001  EM QUAD  
= mutton quad  
≡ 2003  em space
- 2002  EN SPACE  
= nut  
• half an em  
≈ 0020  space
- 2003  EM SPACE  
= mutton  
• nominally, a space equal to the type size in points  
• may scale by the condensation factor of a font  
≈ 0020  space
- 2004  THREE-PER-EM SPACE  
= thick space  
≈ 0020  space
- 2005  FOUR-PER-EM SPACE  
= mid space  
≈ 0020  space
- 2006  SIX-PER-EM SPACE  
• in computer typography sometimes equated to thin space  
≈ 0020  space
- 2007  FIGURE SPACE  
• space equal to tabular width of a font  
• this is equivalent to the digit width of fonts with fixed-width digits  
≈ <noBreak> 0020  space
- 2008  PUNCTUATION SPACE  
• space equal to narrow punctuation of a font  
≈ 0020  space
- 2009  THIN SPACE  
• a fifth of an em (or sometimes a sixth)  
→ 202F  narrow no-break space  
≈ 0020  space
- 200A  HAIR SPACE  
• thinner than a thin space  
• in traditional typography, the thinnest space available  
≈ 0020  space
- 200B  ZERO WIDTH SPACE  
• commonly abbreviated ZWSP  
• this character is intended for invisible word separation and for line break control; it has no width, but its presence between two characters does not prevent increased letter spacing in justification




### Format characters

- 200C  ZERO WIDTH NON-JOINER  
• commonly abbreviated ZWNJ
- 200D  ZERO WIDTH JOINER  
• commonly abbreviated ZWJ
- 200E  LEFT-TO-RIGHT MARK  
• commonly abbreviated LRM
- 200F  RIGHT-TO-LEFT MARK  
• commonly abbreviated RLM

### Dashes








- 2010 - HYPHEN  
→ 002D - hyphen-minus  
→ 00AD  soft hyphen
- 2011  NON-BREAKING HYPHEN  
→ 002D - hyphen-minus  
→ 00AD  soft hyphen  
≈ <noBreak> 2010 -
- 2012 — FIGURE DASH
- 2013 — EN DASH
- 2014 — EM DASH  
• may be used in pairs to offset parenthetical text  
→ 30FC — katakana-hiragana prolonged sound mark
- 2015 — HORIZONTAL BAR  
= quotation dash  
• long dash introducing quoted text






### General punctuation

- 2016 || DOUBLE VERTICAL LINE  
• used in pairs to indicate norm of a matrix  
→ 20E6 || combining double vertical stroke overlay  
→ 2225 || parallel to
- 2017 = DOUBLE LOW LINE  
• this is a spacing character  
→ 005F \_ low line  
→ 0333  combining double low line  
≈ 0020  0333 
- 2018 ‘ LEFT SINGLE QUOTATION MARK  
= single turned comma quotation mark  
• this is the preferred character (as opposed to 201B ‘)  
→ 0027 ' apostrophe  
→ 02BB ‘ modifier letter turned comma  
→ 275B ‘ heavy single turned comma quotation mark ornament
- 2019 ’ RIGHT SINGLE QUOTATION MARK  
= single comma quotation mark  
• this is the preferred character to use for apostrophe  
→ 0027 ' apostrophe  
→ 02BC ’ modifier letter apostrophe  
→ 275C ’ heavy single comma quotation mark ornament
- 201A ‚ SINGLE LOW-9 QUOTATION MARK  
= low single comma quotation mark  
• used as opening single quotation mark in some languages
- 201B ‘ SINGLE HIGH-REVERSED-9 QUOTATION MARK  
= single reversed comma quotation mark  
• has same semantic as 2018 ‘, but differs in appearance  
→ 02BD ‘ modifier letter reversed comma
- 201C “ LEFT DOUBLE QUOTATION MARK  
= double turned comma quotation mark  
• this is the preferred character (as opposed to 201F “)  
→ 0022 " quotation mark  
→ 275D “ heavy double turned comma quotation mark ornament  
→ 301D “ reversed double prime quotation mark

- 201D ” **RIGHT DOUBLE QUOTATION MARK**  
= double comma quotation mark  
→ 0022 " quotation mark  
→ 2033 " double prime  
→ 275E ” heavy double comma quotation mark ornament  
→ 301E ” double prime quotation mark
- 201E „ **DOUBLE LOW-9 QUOTATION MARK**  
= low double comma quotation mark  
• used as opening double quotation mark in some languages  
→ 301F „ low double prime quotation mark
- 201F “ **DOUBLE HIGH-REVERSED-9 QUOTATION MARK**  
= double reversed comma quotation mark  
• has same semantic as 201C “, but differs in appearance
- 2020 † **DAGGER**  
= obelisk, obelus, long cross
- 2021 ‡ **DOUBLE DAGGER**  
= diesis, double obelisk
- 2022 • **BULLET**  
= black small circle  
→ 00B7 · middle dot  
→ 2024 . one dot leader  
→ 2219 • bullet operator  
→ 25D8 ◼ inverse bullet  
→ 25E6 ◦ white bullet
- 2023 ▶ **TRIANGULAR BULLET**  
→ 220E ■ end of proof  
→ 25B8 ► black right-pointing small triangle
- 2024 . **ONE DOT LEADER**  
• also used as an Armenian semicolon (mijaket)  
→ 00B7 · middle dot  
→ 2022 • bullet  
→ 2219 • bullet operator  
≈ 002E . full stop
- 2025 .. **TWO DOT LEADER**  
≈ 002E . 002E .
- 2026 ... **HORIZONTAL ELLIPSIS**  
= three dot leader  
→ 22EE ∴ vertical ellipsis  
→ FE19 ∴ presentation form for vertical horizontal ellipsis  
≈ 002E . 002E . 002E .
- 2027 - **HYPHENATION POINT**

**Format characters**

- 2028  **LINE SEPARATOR**  
• may be used to represent this semantic unambiguously
- 2029  **PARAGRAPH SEPARATOR**  
• may be used to represent this semantic unambiguously
- 202A  **LEFT-TO-RIGHT EMBEDDING**  
• commonly abbreviated LRE
- 202B  **RIGHT-TO-LEFT EMBEDDING**  
• commonly abbreviated RLE
- 202C  **POP DIRECTIONAL FORMATTING**  
• commonly abbreviated PDF
- 202D  **LEFT-TO-RIGHT OVERRIDE**  
• commonly abbreviated LRO
- 202E  **RIGHT-TO-LEFT OVERRIDE**  
• commonly abbreviated RLO

- 202F  **NARROW NO-BREAK SPACE**  
• commonly abbreviated NNBS  
• a narrow form of a no-break space, typically the width of a thin space or a mid space  
→ 00A0  no-break space  
→ 2005  four-per-em space  
→ 2009  thin space  
≈ <noBreak> 0020 

**General punctuation**

- 2030 ‰ **PER MILLE SIGN**  
= permille, per thousand  
• used, for example, in measures of blood alcohol content, salinity, etc.  
→ 0025 ‰ percent sign  
→ 0609 ‰ arabic-indic per mille sign
- 2031 ‰ **PER TEN THOUSAND SIGN**  
= permyriad  
• percent of a percent, rarely used  
→ 0025 ‰ percent sign  
→ 060A ‰ arabic-indic per ten thousand sign
- 2032 ′ **PRIME**  
= minutes, feet  
→ 0027 ′ apostrophe  
→ 00B4 ´ acute accent  
→ 02B9 ′ modifier letter prime
- 2033 ″ **DOUBLE PRIME**  
= seconds, inches  
→ 0022 ″ quotation mark  
→ 02BA ″ modifier letter double prime  
→ 201D ″ right double quotation mark  
→ 3003 ″ ditto mark  
→ 301E ″ double prime quotation mark  
≈ 2032 ′ 2032 ′
- 2034 ‴ **TRIPLE PRIME**  
= lines (old measure, 1/12 of an inch)  
≈ 2032 ′ 2032 ′ 2032 ′
- 2035 ` **REVERSED PRIME**  
→ 0060 ` grave accent
- 2036 ′ **REVERSED DOUBLE PRIME**  
→ 301D ′ reversed double prime quotation mark  
≈ 2035 ` 2035 `
- 2037 ‴ **REVERSED TRIPLE PRIME**  
≈ 2035 ` 2035 ` 2035 `
- 2038 ^ **CARET**  
→ 2303 ^ up arrowhead  
→ A788 ^ modifier letter low circumflex accent
- 2039 ‹ **SINGLE LEFT-POINTING ANGLE QUOTATION MARK**  
= left pointing single guillemet  
• usually opening, sometimes closing  
→ 003C ‹ less-than sign  
→ 2329 ‹ left-pointing angle bracket  
→ 3008 ‹ left angle bracket
- 203A › **SINGLE RIGHT-POINTING ANGLE QUOTATION MARK**  
= right pointing single guillemet  
• usually closing, sometimes opening  
→ 003E › greater-than sign  
→ 232A › right-pointing angle bracket  
→ 3009 › right angle bracket

- 203B ✖ REFERENCE MARK  
 = Japanese kome  
 = Urdu paragraph separator  
 → 0FBF ✖ tibetan ku ru kha bzhi mig can  
 → 200AD ✖ cjk unified ideograph-200AD

**Double punctuation for vertical text**

- 203C !! DOUBLE EXCLAMATION MARK  
 → 0021 ! exclamation mark  
 ≈ 0021 ! 0021 !

**General punctuation**

- 203D ? INTERROBANG  
 → 0021 ! exclamation mark  
 → 003F ? question mark  
 → 2E18 ¿ inverted interrobang
- 203E ¯ OVERLINE  
 = spacing overscore  
 ≈ 0020 sp 0305 ◌
- 203F ˇ UNDERTIE  
 = Greek enotikon  
 → 2323 ~ smile
- 2040 ˘ CHARACTER TIE  
 = z notation sequence concatenation  
 → 2322 ˘ frown
- 2041 ˆ CARET INSERTION POINT  
 • proofreader's mark: insert here  
 → 22CC ˆ right semidirect product
- 2042 \* ASTERISM
- 2043 - HYPHEN BULLET
- 2044 / FRACTION SLASH  
 = solidus (in typography)  
 • for composing arbitrary fractions  
 → 002F / solidus  
 → 2215 / division slash
- 2045 [ LEFT SQUARE BRACKET WITH QUILL
- 2046 ] RIGHT SQUARE BRACKET WITH QUILL

**Double punctuation for vertical text**

- 2047 ?? DOUBLE QUESTION MARK  
 ≈ 003F ? 003F ?
- 2048 ?! QUESTION EXCLAMATION MARK  
 ≈ 003F ? 0021 !
- 2049 !? EXCLAMATION QUESTION MARK  
 ≈ 0021 ! 003F ?

**General punctuation**

- 204A ˆ TIRONIAN SIGN ET  
 • Irish Gaelic, Old English, ...  
 → 0026 & ampersand
- 204B Ɔ REVERSED PILCROW SIGN  
 → 00B6 ¶ pilcrow sign
- 204C ◀ BLACK LEFTWARDS BULLET
- 204D ▶ BLACK RIGHTWARDS BULLET
- 204E \* LOW ASTERISK  
 → 002A \* asterisk  
 → 0359 ◌ combining asterisk below
- 204F ; REVERSED SEMICOLON  
 → 003B ; semicolon
- 2050 ☹ CLOSE UP  
 • editing mark
- 2051 \*\* TWO ASTERISKS ALIGNED VERTICALLY

- 2052 % COMMERCIAL MINUS SIGN  
 = abzüglich (German), med avdrag av (Swedish), piska (Swedish, "whip")  
 • a common glyph variant and fallback representation looks like ./.  
 • may also be used as a dingbat to indicate correctness  
 • used in Finno-Ugric Phonetic Alphabet to indicate a related borrowed form with different sound  
 → 0025 % percent sign  
 → 066A % arabic percent sign
- 2053 ~ SWUNG DASH  
 → 007E ~ tilde
- 2054 ˘ INVERTED UNDERTIE
- 2055 \* FLOWER PUNCTUATION MARK  
 = phul, puspika  
 • used as a punctuation mark with Syloti Nagri, Bengali and other Indic scripts  
 → 274B \* heavy eight teardrop-spoked propeller asterisk

**Archaic punctuation**

- 2056 ∴ THREE DOT PUNCTUATION

**General punctuation**

- 2057 ⁂ QUADRUPLE PRIME  
 ≈ 2032 ' 2032 ' 2032 ' 2032 '



**Archaic punctuation**

- 2058 ∴ FOUR DOT PUNCTUATION
- 2059 ∴ FIVE DOT PUNCTUATION  
 = Greek pentonkion  
 = quincunx  
 → 2684 ∴ die face-5
- 205A ∴ TWO DOT PUNCTUATION  
 • historically used to indicate the end of a sentence or change of speaker  
 • extends from baseline to cap height  
 → FE30 ∴ presentation form for vertical two dot leader  
 → 1015B ∴ greek acrophonic epidaurean two
- 205B ∴ FOUR DOT MARK  
 • used by scribes in the margin as highlighter mark  
 • this is centered on the line, but extends beyond top and bottom of the line
- 205C ∴ DOTTED CROSS  
 • used by scribes in the margin as highlighter mark
- 205D ∴ TRICOLON  
 = Epidaurean acrophonic symbol three  
 → 22EE ∴ vertical ellipsis  
 → 2AF6 ∴ triple colon operator  
 → FE19 ∴ presentation form for vertical horizontal ellipsis
- 205E ∴ VERTICAL FOUR DOTS  
 • used in dictionaries to indicate legal but undesirable word break  
 • glyph extends the whole height of the line





**Space**

- 205F MMSP MEDIUM MATHEMATICAL SPACE  
 • abbreviated MMSP  
 • four-eighths of an em  
 ≈ 0020 sp space

**Format character**







- 2060  WORD JOINER
- commonly abbreviated WJ
  - a zero width non-breaking space (only)
  - intended for disambiguation of functions for byte order mark
- FEFF  zero width no-break space

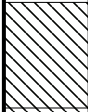
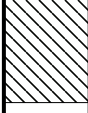








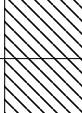



**Invisible operators**

- 2061  FUNCTION APPLICATION
- contiguity operator indicating application of a function
- 2062  INVISIBLE TIMES
- contiguity operator indicating multiplication
- 2063  INVISIBLE SEPARATOR
- = invisible comma
- contiguity operator indicating that adjacent mathematical symbols form a list, e.g. when no visible comma is used between multiple indices
- 2064  INVISIBLE PLUS
- contiguity operator indicating addition



**Deprecated**

*Use of these characters is strongly discouraged.*

- 206A  INHIBIT SYMMETRIC SWAPPING
- 206B  ACTIVATE SYMMETRIC SWAPPING
- 206C  INHIBIT ARABIC FORM SHAPING
- 206D  ACTIVATE ARABIC FORM SHAPING
- 206E  NATIONAL DIGIT SHAPES
- 206F  NOMINAL DIGIT SHAPES


	207	208	209
0	0 2070	0 2080	a 2090
1	i 2071	1 2081	e 2091
2		2 2082	o 2092
3		3 2083	x 2093
4	4 2074	4 2084	ø 2094
5	5 2075	5 2085	
6	6 2076	6 2086	
7	7 2077	7 2087	
8	8 2078	8 2088	
9	9 2079	9 2089	
A	+ 207A	+ 208A	
B	- 207B	- 208B	
C	= 207C	= 208C	
D	( 207D	( 208D	
E	) 207E	) 208E	
F	n 207F		

**Superscripts**

2070	<sup>0</sup>	SUPERSCRIP T ZERO ≈ <super> 0030 0
2071	<sup>i</sup>	SUPERSCRIP T LATIN SMALL LETTER I ≈ <super> 0069 i
2072		<reserved> → 00B2 <sup>2</sup> superscript two
2073		<reserved> → 00B3 <sup>3</sup> superscript three
2074	<sup>4</sup>	SUPERSCRIP T FOUR ≈ <super> 0034 4
2075	<sup>5</sup>	SUPERSCRIP T FIVE ≈ <super> 0035 5
2076	<sup>6</sup>	SUPERSCRIP T SIX ≈ <super> 0036 6
2077	<sup>7</sup>	SUPERSCRIP T SEVEN ≈ <super> 0037 7
2078	<sup>8</sup>	SUPERSCRIP T EIGHT ≈ <super> 0038 8
2079	<sup>9</sup>	SUPERSCRIP T NINE ≈ <super> 0039 9
207A	+	SUPERSCRIP T PLUS SIGN ≈ <super> 002B +
207B	-	SUPERSCRIP T MINUS ≈ <super> 2212 -
207C	=	SUPERSCRIP T EQUALS SIGN ≈ <super> 003D =
207D	(	SUPERSCRIP T LEFT PARENTHESIS ≈ <super> 0028 (
207E	)	SUPERSCRIP T RIGHT PARENTHESIS ≈ <super> 0029 )
207F	<sup>n</sup>	SUPERSCRIP T LATIN SMALL LETTER N ≈ <super> 006E n

**Subscripts**

2080	<sub>0</sub>	SUBSCRIP T ZERO ≈ <sub> 0030 0
2081	<sub>1</sub>	SUBSCRIP T ONE ≈ <sub> 0031 1
2082	<sub>2</sub>	SUBSCRIP T TWO ≈ <sub> 0032 2
2083	<sub>3</sub>	SUBSCRIP T THREE ≈ <sub> 0033 3
2084	<sub>4</sub>	SUBSCRIP T FOUR ≈ <sub> 0034 4
2085	<sub>5</sub>	SUBSCRIP T FIVE ≈ <sub> 0035 5
2086	<sub>6</sub>	SUBSCRIP T SIX ≈ <sub> 0036 6
2087	<sub>7</sub>	SUBSCRIP T SEVEN ≈ <sub> 0037 7
2088	<sub>8</sub>	SUBSCRIP T EIGHT ≈ <sub> 0038 8
2089	<sub>9</sub>	SUBSCRIP T NINE ≈ <sub> 0039 9
208A	+	SUBSCRIP T PLUS SIGN ≈ <sub> 002B +
208B	-	SUBSCRIP T MINUS ≈ <sub> 2212 -
208C	=	SUBSCRIP T EQUALS SIGN ≈ <sub> 003D =

208D	(	SUBSCRIP T LEFT PARENTHESIS ≈ <sub> 0028 (
208E	)	SUBSCRIP T RIGHT PARENTHESIS ≈ <sub> 0029 )
208F		<reserved>
2090	<sub>a</sub>	LATIN SUBSCRIP T SMALL LETTER A ≈ <sub> 0061 a
2091	<sub>e</sub>	LATIN SUBSCRIP T SMALL LETTER E ≈ <sub> 0065 e
2092	<sub>o</sub>	LATIN SUBSCRIP T SMALL LETTER O ≈ <sub> 006F o
2093	<sub>x</sub>	LATIN SUBSCRIP T SMALL LETTER X ≈ <sub> 0078 x
2094	<sub>ə</sub>	LATIN SUBSCRIP T SMALL LETTER SCHWA ≈ <sub> 0259 ə

	20A	20B	20C
0	₣ 20A0	₧ 20B0	
1	₵ 20A1	₲ 20B1	
2	₶ 20A2	₳ 20B2	
3	₷ 20A3	₴ 20B3	
4	₸ 20A4	₵ 20B4	
5	₹ 20A5	₶ 20B5	
6	₺ 20A6	₷ 20B6	
7	ₛ 20A7	₸ 20B7	
8	₹ 20A8	₹ 20B8	
9	₺ 20A9		
A	₺ 20AA		
B	₺ 20AB		
C	₶ 20AC		
D	₶ 20AD		
E	₶ 20AE		
F	₶ 20AF		





































**Currency symbols**

*A number of currency symbols are found in other blocks.*

*Fullwidth versions of some currency symbols are found in the Halfwidth and Fullwidth Forms block.*

	→ 0024 \$	dollar sign		20AE ₮	TUGRIK SIGN	<ul style="list-style-type: none"> <li>• Mongolia</li> <li>• also transliterated as tugrug, tugric, tugrog, togrog, tögrög</li> </ul>
	→ 00A2 ¢	cent sign		20AF ₯	DRACHMA SIGN	<ul style="list-style-type: none"> <li>• Greece</li> </ul>
	→ 00A3 £	pound sign		20B0 ₰	GERMAN PENNY SIGN	
	→ 00A4 ₭	currency sign		20B1 ₱	PESO SIGN	<ul style="list-style-type: none"> <li>• Philippines</li> <li>• the Mexican peso is indicated with the dollar sign</li> </ul>
	→ 00A5 ¥	yen sign				→ 20A7 ₧ peseta sign
	→ 0192 ƒ	latin small letter f with hook		20B2 ₧	GUARANI SIGN	<ul style="list-style-type: none"> <li>• Paraguay</li> <li>• Often represented by G. or Gs.</li> </ul>
	→ 060B ⅈ	afghani sign		20B3 ₰	AUSTRAL SIGN	<ul style="list-style-type: none"> <li>• former Argentinian currency</li> </ul>
	→ 09F2 ₭	bengali rupee mark		20B4 ₺	HRYVNIA SIGN	<ul style="list-style-type: none"> <li>• Ukraine</li> </ul>
	→ 09F3 ₭	bengali rupee sign		20B5 ₳	CEDI SIGN	<ul style="list-style-type: none"> <li>• Ghana</li> <li>• glyph may look like ‘Ꞓ’ or like C with a short vertical stroke through the upper arm</li> </ul>
	→ 0AF1 ૠ	gujarati rupee sign				→ 00A2 ¢ cent sign
	→ 0BF9 ெ	tamil rupee sign				→ 023B Ć latin capital letter c with stroke
	→ 0E3F ฿	thai currency symbol baht				
	→ 17DB ₭	khmer currency symbol riel		20B6 ₣	LIVRE TOURNOIS SIGN	<ul style="list-style-type: none"> <li>• used in France from 13th-18th centuries</li> </ul>
	→ 2133 ℳ	script capital m		20B7 ₵	SPESMILO SIGN	<ul style="list-style-type: none"> <li>• historical international currency associated with Esperanto</li> </ul>
	→ 5143 元	CJK unified ideograph-5143		20B8 ₧	TENGE SIGN	<ul style="list-style-type: none"> <li>• Kazakhstan</li> <li>→ 2351 Ṫ apl functional symbol up tack overbar</li> <li>→ 2564 Ṭ box drawings down single and horizontal double</li> <li>→ 3012 Ṯ postal mark</li> </ul>
	→ 5186 円	CJK unified ideograph-5186				
	→ 5706 圓	CJK unified ideograph-5706				
	→ 5713 圓	CJK unified ideograph-5713				
	→ FDFC ৳	rial sign				
20A0	€	EURO-CURRENCY SIGN	<ul style="list-style-type: none"> <li>• intended for ECU, but not widely used</li> <li>• historical character; this is NOT the euro!</li> </ul>			
			→ 20AC €	euro sign		
20A1	₡	COLON SIGN	<ul style="list-style-type: none"> <li>• Costa Rica, El Salvador</li> </ul>			
20A2	₢	CRUZEIRO SIGN	<ul style="list-style-type: none"> <li>• Brazil</li> </ul>			
20A3	₣	FRENCH FRANC SIGN	<ul style="list-style-type: none"> <li>• France</li> </ul>			
20A4	₤	LIRA SIGN	<ul style="list-style-type: none"> <li>• intended for lira, but not widely used</li> <li>• preferred character for lira is 00A3 £</li> </ul>			
			→ 00A3 £	pound sign		
20A5	¢	MILL SIGN	<ul style="list-style-type: none"> <li>• USA (1/10 cent)</li> </ul>			
20A6	₦	NAIRA SIGN	<ul style="list-style-type: none"> <li>• Nigeria</li> </ul>			
20A7	₧	PESETA SIGN	<ul style="list-style-type: none"> <li>• Spain</li> </ul>			
			→ 20B1 ₱	peso sign		
20A8	₹	RUPEE SIGN	<ul style="list-style-type: none"> <li>• India</li> </ul>			
			≈ 0052 R	0073 s		
20A9	₩	WON SIGN	<ul style="list-style-type: none"> <li>• Korea</li> </ul>			
20AA	₪	NEW SHEQEL SIGN	<ul style="list-style-type: none"> <li>• Israel</li> </ul>			
20AB	₫	DONG SIGN	<ul style="list-style-type: none"> <li>• Vietnam</li> </ul>			
20AC	€	EURO SIGN	<ul style="list-style-type: none"> <li>• currency sign for the European Monetary Union</li> <li>• euro, not ecu</li> </ul>			
			→ 20A0 €	euro-currency sign		
20AD	₭	KIP SIGN	<ul style="list-style-type: none"> <li>• Laos</li> </ul>			

	20D	20E	20F
0	 20D0	 20E0	 20F0
1	 20D1	 20E1	
2	 20D2	 20E2	
3	 20D3	 20E3	
4	 20D4	 20E4	
5	 20D5	 20E5	
6	 20D6	 20E6	
7	 20D7	 20E7	
8	 20D8	 20E8	
9	 20D9	 20E9	
A	 20DA	 20EA	
B	 20DB	 20EB	
C	 20DC	 20EC	
D	 20DD	 20ED	
E	 20DE	 20EE	
F	 20DF	 20EF	

**Combining diacritical marks for symbols**

20D0	⤵	COMBINING LEFT HARPOON ABOVE
20D1	⤴	COMBINING RIGHT HARPOON ABOVE
20D2	‡	COMBINING LONG VERTICAL LINE OVERLAY
		• negation
20D3	‡	COMBINING SHORT VERTICAL LINE OVERLAY
		• occasional variant for negation
20D4	↻	COMBINING ANTICLOCKWISE ARROW ABOVE
20D5	↻	COMBINING CLOCKWISE ARROW ABOVE
		• rotation
20D6	↵	COMBINING LEFT ARROW ABOVE
20D7	➡	COMBINING RIGHT ARROW ABOVE
		• vector
20D8	⊙	COMBINING RING OVERLAY
20D9	⊚	COMBINING CLOCKWISE RING OVERLAY
20DA	⊛	COMBINING ANTICLOCKWISE RING OVERLAY
20DB	⋯	COMBINING THREE DOTS ABOVE
		= third derivative
20DC	⋰	COMBINING FOUR DOTS ABOVE
		= fourth derivative

**Enclosing diacritics**

20DD	⊙	COMBINING ENCLOSING CIRCLE
		= JIS composition circle
		= Cyrillic combining ten thousands sign
		→ 25CB ◯ white circle
		→ 25EF ◯ large circle
		→ 3007 ◯ ideographic number zero
20DE	⊠	COMBINING ENCLOSING SQUARE
		→ 25A1 ◻ white square
20DF	◊	COMBINING ENCLOSING DIAMOND
		→ 25C7 ◊ white diamond
20E0	⊘	COMBINING ENCLOSING CIRCLE BACKSLASH
		• prohibition

**Additional diacritical mark for symbols**

20E1	↔	COMBINING LEFT RIGHT ARROW ABOVE
		• tensor

**Additional enclosing diacritics**

20E2	⊞	COMBINING ENCLOSING SCREEN
		→ 239A ☒ clear screen symbol
20E3	⊡	COMBINING ENCLOSING KEYCAP
20E4	⊠	COMBINING ENCLOSING UPWARD POINTING TRIANGLE
		→ 25B3 △ white up-pointing triangle

**Additional diacritical marks for symbols**

20E5	↵	COMBINING REVERSE SOLIDUS OVERLAY
		→ 005C \ reverse solidus
20E6	‡	COMBINING DOUBLE VERTICAL STROKE OVERLAY
		= z notation finite function diacritic
		→ 2016 ‖ double vertical line
20E7	⌒	COMBINING ANNUITY SYMBOL
		= actuarial bend
		→ 2309 1 right ceiling
20E8	⋮	COMBINING TRIPLE UNDERDOT
20E9	⋮	COMBINING WIDE BRIDGE ABOVE
		= contraction operator
		• extends the full width of the base character
		→ 0346 ⤵ combining bridge above
20EA	←	COMBINING LEFTWARDS ARROW OVERLAY
		→ 2190 ← leftwards arrow

20EB	≡	COMBINING LONG DOUBLE SOLIDUS OVERLAY
		= long double slash overlay
20EC	⤴	COMBINING RIGHTWARDS HARPOON WITH BARB DOWNWARDS
20ED	⤵	COMBINING LEFTWARDS HARPOON WITH BARB DOWNWARDS
20EE	↵	COMBINING LEFT ARROW BELOW
20EF	➡	COMBINING RIGHT ARROW BELOW
20F0	⋆	COMBINING ASTERISK ABOVE

	210	211	212	213	214
0	<i>a/c</i> 2100	<i>J</i> 2110	SM 2120	<i>E</i> 2130	$\Sigma$ 2140
1	<i>a/s</i> 2101	<i>J</i> 2111	TEL 2121	<i>F</i> 2131	$\mathfrak{G}$ 2141
2	$\mathbb{C}$ 2102	<i>L</i> 2112	TM 2122	$\mathfrak{H}$ 2132	$\daleth$ 2142
3	$^{\circ}\text{C}$ 2103	<i>l</i> 2113	$\Psi$ 2123	<i>M</i> 2133	$\lrcorner$ 2143
4	$\text{¢}$ 2104	$\text{⌘}$ 2114	$\mathbb{Z}$ 2124	<i>e</i> 2134	$\wedge$ 2144
5	% 2105	$\mathbb{N}$ 2115	$\mathbb{Z}$ 2125	$\mathfrak{N}$ 2135	$\mathbb{D}$ 2145
6	<i>%u</i> 2106	$\text{N}_{\text{O}}$ 2116	$\Omega$ 2126	$\beth$ 2136	<i>d</i> 2146
7	$\text{€}$ 2107	$\text{®}$ 2117	$\text{U}$ 2127	$\aleph$ 2137	<i>e</i> 2147
8	$\text{Ð}$ 2108	$\text{⊗}$ 2118	$\mathfrak{Z}$ 2128	$\daleth$ 2138	<i>i</i> 2148
9	$^{\circ}\text{F}$ 2109	$\text{®}$ 2119	$\aleph$ 2129	<b>i</b> 2139	<i>j</i> 2149
A	<i>g</i> 210A	$\text{®}$ 211A	<b>K</b> 212A	$\text{O}$ 213A	$\text{®}$ 214A
B	<i>H</i> 210B	<i>R</i> 211B	$\text{Å}$ 212B	FAX 213B	$\text{®}$ 214B
C	$\text{H}$ 210C	$\text{R}$ 211C	<i>B</i> 212C	$\pi$ 213C	$\text{®}$ 214C
D	$\text{H}$ 210D	$\text{R}$ 211D	$\text{C}$ 212D	$\gamma$ 213D	A/s 214D
E	<i>h</i> 210E	$\text{R}$ 211E	<i>e</i> 212E	$\Gamma$ 213E	$\mathfrak{H}$ 214E
F	<i>h</i> 210F	$\text{R}$ 211F	<i>e</i> 212F	$\text{III}$ 213F	<i>eee</i> 214F

**Letterlike symbols**

*Some of the letterlike symbols are intended to complete the set of mathematical alphanumeric symbols starting at U+1D400.*

- 2100  $\%$  **ACCOUNT OF**  
 ≈ 0061 a 002F / 0063 c
- 2101  $\%$  **ADDRESSED TO THE SUBJECT**  
 → 214D  $\%$  aktieselskab  
 ≈ 0061 a 002F / 0073 s
- 2102 **ℂ** **DOUBLE-STRUCK CAPITAL C**  
 = the set of complex numbers  
 ≈ <font> 0043 **C** latin capital letter c
- 2103  $^{\circ}\text{C}$  **DEGREE CELSIUS**  
 = degrees Centigrade  
 ≈ 00B0  $^{\circ}$  0043 **C**
- 2104 **¢** **CENTRE LINE SYMBOL**  
 = clone
- 2105  $\%$  **CARE OF**  
 ≈ 0063 c 002F / 006F o
- 2106  $\%$  **CADA UNA**  
 ≈ 0063 c 002F / 0075 u
- 2107 **ℵ** **EULER CONSTANT**  
 → 0045 **E** latin capital letter e  
 ≈ 0190 **E** latin capital letter open e
- 2108 **Ⓢ** **SCRUPLE**
- 2109  $^{\circ}\text{F}$  **DEGREE FAHRENHEIT**  
 ≈ 00B0  $^{\circ}$  0046 **F**
- 210A *g* **SCRIPT SMALL G**  
 = real number symbol  
 ≈ <font> 0067 **g** latin small letter g
- 210B *ℋ* **SCRIPT CAPITAL H**  
 = Hamiltonian operator  
 ≈ <font> 0048 **H** latin capital letter h
- 210C  $\mathfrak{H}$  **BLACK-LETTER CAPITAL H**  
 = Hilbert space  
 ≈ <font> 0048 **H** latin capital letter h
- 210D **ℍ** **DOUBLE-STRUCK CAPITAL H**  
 ≈ <font> 0048 **H** latin capital letter h
- 210E *h* **PLANCK CONSTANT**  
 = height, specific enthalpy, ...  
 • simply a mathematical italic h; this character's name results from legacy usage  
 ≈ <font> 0068 **h** latin small letter h
- 210F *ћ* **PLANCK CONSTANT OVER TWO PI**  
 → 045B **ћ** cyrillic small letter tshe  
 ≈ <font> 0127 **h** latin small letter h with stroke
- 2110 *ℐ* **SCRIPT CAPITAL I**  
 ≈ <font> 0049 **I** latin capital letter i
- 2111 **ℑ** **BLACK-LETTER CAPITAL I**  
 = imaginary part  
 ≈ <font> 0049 **I** latin capital letter i
- 2112 *ℒ* **SCRIPT CAPITAL L**  
 = Laplace transform  
 ≈ <font> 004C **L** latin capital letter l
- 2113 *ℓ* **SCRIPT SMALL L**  
 = mathematical symbol 'ell'  
 = liter (traditional symbol)  
 • despite its character name, this symbol is derived from a special italicized version of the small letter l  
 • the SI recommended symbol for liter is 006C **l**  
 → 1D4C1 *ℓ* mathematical script small l  
 ≈ <font> 006C **l** latin small letter l
- 2114 **£** **L B BAR SYMBOL**  
 = pounds  
 → 0023 **#** number sign
- 2115 **ℕ** **DOUBLE-STRUCK CAPITAL N**  
 = natural number  
 • a glyph variant with doubled vertical strokes exists  
 ≈ <font> 004E **N** latin capital letter n
- 2116 **№** **NUMERO SIGN**  
 ≈ 004E **N** 006F **o**
- 2117 **©** **SOUND RECORDING COPYRIGHT**  
 = published  
 = phonorecord sign  
 → 00A9 **©** copyright sign  
 → 24C5 **Ⓟ** circled latin capital letter p
- 2118 **Ⓟ** **SCRIPT CAPITAL P**  
 = Weierstrass elliptic function  
 • actually this has the form of a lowercase calligraphic p, despite its name
- 2119 **ℙ** **DOUBLE-STRUCK CAPITAL P**  
 ≈ <font> 0050 **P** latin capital letter p
- 211A **ℚ** **DOUBLE-STRUCK CAPITAL Q**  
 = the set of rational numbers  
 ≈ <font> 0051 **Q** latin capital letter q
- 211B *℞* **SCRIPT CAPITAL R**  
 = Riemann Integral  
 ≈ <font> 0052 **R** latin capital letter r
- 211C **℞** **BLACK-LETTER CAPITAL R**  
 = real part  
 ≈ <font> 0052 **R** latin capital letter r
- 211D **ℝ** **DOUBLE-STRUCK CAPITAL R**  
 = the set of real numbers  
 ≈ <font> 0052 **R** latin capital letter r
- 211E **℞** **PRESCRIPTION TAKE**  
 = recipe  
 = cross ratio
- 211F **℞** **RESPONSE**
- 2120 <sup>SM</sup> **SERVICE MARK**  
 ≈ <sup> 0053 **S** 004D **M**
- 2121 **☎** **TELEPHONE SIGN**  
 • typical forms for this symbol may use lower case, small caps or superscripted letter shapes  
 → 260E **☎** black telephone  
 → 2706 **☎** telephone location sign  
 ≈ 0054 **T** 0045 **E** 004C **L**
- 2122 <sup>TM</sup> **TRADE MARK SIGN**  
 → 1F12E **™** circled wz  
 ≈ <sup> 0054 **T** 004D **M**
- 2123 **℥** **VERSICLE**
- 2124 **ℤ** **DOUBLE-STRUCK CAPITAL Z**  
 = the set of integers  
 ≈ <font> 005A **Z** latin capital letter z
- 2125 **℥** **OUNCE SIGN**  
 → 021D **з** latin small letter yogh
- 2126 **Ω** **OHM SIGN**  
 • SI unit of resistance, named after G. S. Ohm, German physicist  
 • preferred representation is 03A9 **Ω**  
 → 260A **Ω** ascending node  
 ≡ 03A9 **Ω** greek capital letter omega

- 2127  $\oslash$  **INVERTED OHM SIGN**  
= mho  
• archaic unit of conductance (= the SI unit siemens)  
• typographically a turned greek capital letter omega  
→ 01B1  $\text{O}$  latin capital letter upsilon  
→ 03A9  $\text{\Omega}$  greek capital letter omega  
→ 260B  $\text{\textcircled{O}}$  descending node
- 2128  $\text{\textcircled{Z}}$  **BLACK-LETTER CAPITAL Z**  
≈ <font> 005A  $\text{Z}$  latin capital letter z
- 2129  $\text{\textcircled{I}}$  **TURNED GREEK SMALL LETTER IOTA**  
• unique element fulfilling a description (logic)  
→ 03B9  $\text{\textcircled{I}}$  greek small letter iota
- 212A  $\text{\textcircled{K}}$  **KELVIN SIGN**  
≡ 004B  $\text{K}$  latin capital letter k
- 212B  $\text{\textcircled{A}}$  **ANGSTROM SIGN**  
• non SI length unit (=0.1 nm) named after A. J. Ångström, Swedish physicist  
• preferred representation is 00C5  $\text{\AA}$   
≡ 00C5  $\text{\AA}$  latin capital letter a with ring above
- 212C  $\text{\textcircled{B}}$  **SCRIPT CAPITAL B**  
= Bernoulli function  
≈ <font> 0042  $\text{B}$  latin capital letter b
- 212D  $\text{\textcircled{C}}$  **BLACK-LETTER CAPITAL C**  
≈ <font> 0043  $\text{C}$  latin capital letter c
- 212E  $\text{\textcircled{e}}$  **ESTIMATED SYMBOL**  
• used in European packaging  
→ 0065  $\text{e}$  latin small letter e
- 212F  $\text{\textcircled{e}}$  **SCRIPT SMALL E**  
= error  
= natural exponent  
≈ <font> 0065  $\text{e}$  latin small letter e
- 2130  $\text{\textcircled{E}}$  **SCRIPT CAPITAL E**  
= emf (electromotive force)  
≈ <font> 0045  $\text{E}$  latin capital letter e
- 2131  $\text{\textcircled{F}}$  **SCRIPT CAPITAL F**  
= Fourier transform  
≈ <font> 0046  $\text{F}$  latin capital letter f
- 2132  $\text{\textcircled{D}}$  **TURNED CAPITAL F**  
= Claudian digamma inversum  
• lowercase is 214E  $\text{\textcircled{d}}$   
→ 0046  $\text{F}$  latin capital letter f  
→ 03DC  $\text{\textcircled{F}}$  greek letter digamma
- 2133  $\text{\textcircled{M}}$  **SCRIPT CAPITAL M**  
= M-matrix (physics)  
= German Mark currency symbol, before WWII  
• when used for the Mark symbol, the range of glyph variation is restricted  
≈ <font> 004D  $\text{M}$  latin capital letter m
- 2134  $\text{\textcircled{o}}$  **SCRIPT SMALL O**  
= order, of inferior order to  
≈ <font> 006F  $\text{o}$  latin small letter o

**Hebrew letterlike math symbols***These are left-to-right characters.*

- 2135  $\text{\textcircled{A}}$  **ALEF SYMBOL**  
= first transfinite cardinal (countable)  
≈ 05D0  $\text{\textcircled{A}}$  hebrew letter alef
- 2136  $\text{\textcircled{B}}$  **BET SYMBOL**  
= second transfinite cardinal (the continuum)  
≈ 05D1  $\text{\textcircled{B}}$  hebrew letter bet

- 2137  $\text{\textcircled{G}}$  **GIMEL SYMBOL**  
= third transfinite cardinal (functions of a real variable)  
≈ 05D2  $\text{\textcircled{G}}$  hebrew letter gimel
- 2138  $\text{\textcircled{D}}$  **DALET SYMBOL**  
= fourth transfinite cardinal  
≈ 05D3  $\text{\textcircled{D}}$  hebrew letter dalet

**Additional letterlike symbols**

- 2139  $\text{\textcircled{i}}$  **INFORMATION SOURCE**  
• intended for use with 20DD  $\text{\textcircled{C}}$   
≈ <font> 0069  $\text{\textcircled{i}}$  latin small letter i
- 213A  $\text{\textcircled{Q}}$  **ROTATED CAPITAL Q**  
• a binding signature mark
- 213B  $\text{\textcircled{F}}$  **FACSIMILE SIGN**  
• typical forms for this symbol may use lower case, small caps or superscripted letter shapes  
→ 2121  $\text{\textcircled{TEL}}$  telephone sign  
≈ 0046  $\text{F}$  0041  $\text{A}$  0058  $\text{X}$
- 213C  $\text{\textcircled{\pi}}$  **DOUBLE-STRUCK SMALL PI**  
≈ <font> 03C0  $\text{\textcircled{\pi}}$  greek small letter pi
- 213D  $\text{\textcircled{\gamma}}$  **DOUBLE-STRUCK SMALL GAMMA**  
≈ <font> 03B3  $\text{\textcircled{\gamma}}$  greek small letter gamma
- 213E  $\text{\textcircled{\Gamma}}$  **DOUBLE-STRUCK CAPITAL GAMMA**  
≈ <font> 0393  $\text{\textcircled{\Gamma}}$  greek capital letter gamma
- 213F  $\text{\textcircled{\Pi}}$  **DOUBLE-STRUCK CAPITAL PI**  
≈ <font> 03A0  $\text{\textcircled{\Pi}}$  greek capital letter pi

**Double-struck large operator**

- 2140  $\text{\textcircled{\Sigma}}$  **DOUBLE-STRUCK N-ARY SUMMATION**  
≈ <font> 2211  $\text{\textcircled{\Sigma}}$  n-ary summation

**Additional letterlike symbols**

- 2141  $\text{\textcircled{G}}$  **TURNED SANS-SERIF CAPITAL G**  
= game
- 2142  $\text{\textcircled{L}}$  **TURNED SANS-SERIF CAPITAL L**
- 2143  $\text{\textcircled{J}}$  **REVERSED SANS-SERIF CAPITAL L**
- 2144  $\text{\textcircled{\lambda}}$  **TURNED SANS-SERIF CAPITAL Y**

**Double-struck italic math symbols***These stylized mathematical symbols are used in some documents to distinguish special mathematical usages from ordinary variables.*

- 2145  $\text{\textcircled{D}}$  **DOUBLE-STRUCK ITALIC CAPITAL D**  
• sometimes used for the differential  
≈ <font> 0044  $\text{\textcircled{D}}$  latin capital letter d
- 2146  $\text{\textcircled{d}}$  **DOUBLE-STRUCK ITALIC SMALL D**  
• sometimes used for the differential  
≈ <font> 0064  $\text{\textcircled{d}}$  latin small letter d
- 2147  $\text{\textcircled{e}}$  **DOUBLE-STRUCK ITALIC SMALL E**  
• sometimes used for the natural exponent  
≈ <font> 0065  $\text{\textcircled{e}}$  latin small letter e
- 2148  $\text{\textcircled{i}}$  **DOUBLE-STRUCK ITALIC SMALL I**  
• sometimes used for the imaginary unit  
≈ <font> 0069  $\text{\textcircled{i}}$  latin small letter i
- 2149  $\text{\textcircled{j}}$  **DOUBLE-STRUCK ITALIC SMALL J**  
• sometimes used for the imaginary unit  
≈ <font> 006A  $\text{\textcircled{j}}$  latin small letter j

**Additional letterlike symbols**

- 214A  $\text{\textcircled{\#}}$  **PROPERTY LINE**
- 214B  $\text{\textcircled{\&}}$  **TURNED AMPERSAND**  
• used in linear logic  
→ 0026  $\text{\&}$  ampersand

214C ꝑ PER SIGN  
 • abbreviates the word ‘per’

214D ꝑ̄ AKTIESELSKAB  
 → 2101 ꝑ̄ addressed to the subject







**Lowercase Claudian letter**

*Claudian letters in inscriptions are uppercase, but may be transcribed by scholars in lowercase.*

214E ꝑ̄ TURNED SMALL F  
 • uppercase is 2132 ꝑ̄  
 → 03DD ꝑ̄ greek small letter digamma

**Biblical editorial symbol**

214F ꝑ̄̄̄ SYMBOL FOR SAMARITAN SOURCE

	215	216	217	218
0	$\frac{1}{7}$ 2150	I 2160	i 2170	Ⓒ 2180
1	$\frac{1}{9}$ 2151	II 2161	ii 2171	Ⓓ 2181
2	$\frac{1}{10}$ 2152	III 2162	iii 2172	Ⓔ 2182
3	$\frac{1}{3}$ 2153	IV 2163	iv 2173	Ⓕ 2183
4	$\frac{2}{3}$ 2154	V 2164	v 2174	Ⓖ 2184
5	$\frac{1}{5}$ 2155	VI 2165	vi 2175	Ⓖ̇ 2185
6	$\frac{2}{5}$ 2156	VII 2166	vii 2176	↓ 2186
7	$\frac{3}{5}$ 2157	VIII 2167	viii 2177	Ⓓ 2187
8	$\frac{4}{5}$ 2158	IX 2168	ix 2178	Ⓔ 2188
9	$\frac{1}{6}$ 2159	X 2169	x 2179	$\frac{0}{3}$ 2189
A	$\frac{5}{6}$ 215A	XI 216A	xi 217A	
B	$\frac{1}{8}$ 215B	XII 216B	xii 217B	
C	$\frac{3}{8}$ 215C	L 216C	l 217C	
D	$\frac{5}{8}$ 215D	C 216D	c 217D	
E	$\frac{7}{8}$ 215E	D 216E	d 217E	
F	$\frac{1}{}$ 215F	M 216F	m 217F	



**Fractions**

*Other fraction number forms are found in the Latin-1 Supplement block.*

→ 00BC ¼ vulgar fraction one quarter  
 → 00BD ½ vulgar fraction one half  
 → 00BE ¾ vulgar fraction three quarters

2150	⅐	VULGAR FRACTION ONE SEVENTH	≈ <fraction> 0031 1 2044/ 0037 7
2151	⅑	VULGAR FRACTION ONE NINTH	≈ <fraction> 0031 1 2044/ 0039 9
2152	⅒	VULGAR FRACTION ONE TENTH	≈ <fraction> 0031 1 2044/ 0031 1 0030 0
2153	⅓	VULGAR FRACTION ONE THIRD	≈ <fraction> 0031 1 2044/ 0033 3
2154	⅔	VULGAR FRACTION TWO THIRDS	≈ <fraction> 0032 2 2044/ 0033 3
2155	⅕	VULGAR FRACTION ONE FIFTH	≈ <fraction> 0031 1 2044/ 0035 5
2156	⅖	VULGAR FRACTION TWO FIFTHS	≈ <fraction> 0032 2 2044/ 0035 5
2157	⅜	VULGAR FRACTION THREE FIFTHS	≈ <fraction> 0033 3 2044/ 0035 5
2158	⅘	VULGAR FRACTION FOUR FIFTHS	≈ <fraction> 0034 4 2044/ 0035 5
2159	⅙	VULGAR FRACTION ONE SIXTH	≈ <fraction> 0031 1 2044/ 0036 6
215A	⅚	VULGAR FRACTION FIVE SIXTHS	≈ <fraction> 0035 5 2044/ 0036 6
215B	⅛	VULGAR FRACTION ONE EIGHTH	≈ <fraction> 0031 1 2044/ 0038 8
215C	⅜	VULGAR FRACTION THREE EIGHTHS	≈ <fraction> 0033 3 2044/ 0038 8
215D	⅝	VULGAR FRACTION FIVE EIGHTHS	≈ <fraction> 0035 5 2044/ 0038 8
215E	⅞	VULGAR FRACTION SEVEN EIGHTHS	≈ <fraction> 0037 7 2044/ 0038 8
215F	⅁	FRACTION NUMERATOR ONE	≈ <fraction> 0031 1 2044/

**Roman numerals**

2160	I	ROMAN NUMERAL ONE	≈ 0049 I latin capital letter i
2161	II	ROMAN NUMERAL TWO	≈ 0049 I 0049 I
2162	III	ROMAN NUMERAL THREE	≈ 0049 I 0049 I 0049 I
2163	IV	ROMAN NUMERAL FOUR	≈ 0049 I 0056 V
2164	V	ROMAN NUMERAL FIVE	≈ 0056 V latin capital letter v
2165	VI	ROMAN NUMERAL SIX	≈ 0056 V 0049 I
2166	VII	ROMAN NUMERAL SEVEN	≈ 0056 V 0049 I 0049 I
2167	VIII	ROMAN NUMERAL EIGHT	≈ 0056 V 0049 I 0049 I 0049 I
2168	IX	ROMAN NUMERAL NINE	≈ 0049 I 0058 X
2169	X	ROMAN NUMERAL TEN	≈ 0058 X latin capital letter x
216A	XI	ROMAN NUMERAL ELEVEN	≈ 0058 X 0049 I

216B	XII	ROMAN NUMERAL TWELVE	≈ 0058 X 0049 I 0049 I
216C	L	ROMAN NUMERAL FIFTY	≈ 004C L latin capital letter l
216D	C	ROMAN NUMERAL ONE HUNDRED	≈ 0043 C latin capital letter c
216E	D	ROMAN NUMERAL FIVE HUNDRED	≈ 0044 D latin capital letter d
216F	M	ROMAN NUMERAL ONE THOUSAND	≈ 004D M latin capital letter m
2170	i	SMALL ROMAN NUMERAL ONE	≈ 0069 i latin small letter i
2171	ii	SMALL ROMAN NUMERAL TWO	≈ 0069 i 0069 i
2172	iii	SMALL ROMAN NUMERAL THREE	≈ 0069 i 0069 i 0069 i
2173	iv	SMALL ROMAN NUMERAL FOUR	≈ 0069 i 0076 v
2174	v	SMALL ROMAN NUMERAL FIVE	≈ 0076 v latin small letter v
2175	vi	SMALL ROMAN NUMERAL SIX	≈ 0076 v 0069 i
2176	vii	SMALL ROMAN NUMERAL SEVEN	≈ 0076 v 0069 i 0069 i
2177	viii	SMALL ROMAN NUMERAL EIGHT	≈ 0076 v 0069 i 0069 i 0069 i
2178	ix	SMALL ROMAN NUMERAL NINE	≈ 0069 i 0078 x
2179	x	SMALL ROMAN NUMERAL TEN	≈ 0078 x latin small letter x
217A	xi	SMALL ROMAN NUMERAL ELEVEN	≈ 0078 x 0069 i
217B	xii	SMALL ROMAN NUMERAL TWELVE	≈ 0078 x 0069 i 0069 i
217C	l	SMALL ROMAN NUMERAL FIFTY	≈ 006C l latin small letter l
217D	c	SMALL ROMAN NUMERAL ONE HUNDRED	≈ 0063 c latin small letter c
217E	d	SMALL ROMAN NUMERAL FIVE HUNDRED	≈ 0064 d latin small letter d
217F	m	SMALL ROMAN NUMERAL ONE THOUSAND	≈ 006D m latin small letter m

**Archaic Roman numerals**

2180	ↀ	ROMAN NUMERAL ONE THOUSAND C D
2181	ↁ	ROMAN NUMERAL FIVE THOUSAND
2182	ↂ	ROMAN NUMERAL TEN THOUSAND
2183	Ↄ	ROMAN NUMERAL REVERSED ONE HUNDRED

= apostrophic C  
 = Claudian antisigma  
 • used in combination with C and I to form large numbers  
 • lowercase is 2184 ↅ  
 → 03FD ↄ greek capital reversed lunate sigma symbol

**Lowercase Claudian letter**

*Claudian letters in inscriptions are uppercase, but may be transcribed by scholars in lowercase.*

2184	ↅ	LATIN SMALL LETTER REVERSED C
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















































































































→ 037B ↅ greek small reversed lunate sigma symbol

**Archaic Roman numerals**

- 2185 𐌆 ROMAN NUMERAL SIX LATE FORM  
→ 03DA 𐌆 greek letter stigma
- 2186 𐌇 ROMAN NUMERAL FIFTY EARLY FORM  
→ 16CE 𐌇 runic letter z  
→ 2193 𐌇 downwards arrow
- 2187 𐌈 ROMAN NUMERAL FIFTY THOUSAND
- 2188 𐌉 ROMAN NUMERAL ONE HUNDRED THOUSAND

**Fraction**

- 2189 ⅓ VULGAR FRACTION ZERO THIRDS  
• used in baseball scoring, from ARIB STD B24  
≈ <fraction> 0030 0 2044/ 0033 3

	219	21A	21B	21C	21D	21E	21F
0	 2190	 21A0	 21B0	 21C0	 21D0	 21E0	 21F0
1	 2191	 21A1	 21B1	 21C1	 21D1	 21E1	 21F1
2	 2192	 21A2	 21B2	 21C2	 21D2	 21E2	 21F2
3	 2193	 21A3	 21B3	 21C3	 21D3	 21E3	 21F3
4	 2194	 21A4	 21B4	 21C4	 21D4	 21E4	 21F4
5	 2195	 21A5	 21B5	 21C5	 21D5	 21E5	 21F5
6	 2196	 21A6	 21B6	 21C6	 21D6	 21E6	 21F6
7	 2197	 21A7	 21B7	 21C7	 21D7	 21E7	 21F7
8	 2198	 21A8	 21B8	 21C8	 21D8	 21E8	 21F8
9	 2199	 21A9	 21B9	 21C9	 21D9	 21E9	 21F9
A	 219A	 21AA	 21BA	 21CA	 21DA	 21EA	 21FA
B	 219B	 21AB	 21BB	 21CB	 21DB	 21EB	 21FB
C	 219C	 21AC	 21BC	 21CC	 21DC	 21EC	 21FC
D	 219D	 21AD	 21BD	 21CD	 21DD	 21ED	 21FD
E	 219E	 21AE	 21BE	 21CE	 21DE	 21EE	 21FE
F	 219F	 21AF	 21BF	 21CF	 21DF	 21EF	 21FF

**Simple arrows**

2190	←	LEFTWARDS ARROW	→ 20EA ⇌ combining leftwards arrow overlay
2191	↑	UPWARDS ARROW	• IPA: egressive airflow
2192	→	RIGHTWARDS ARROW	= z notation total function
2193	↓	DOWNWARDS ARROW	• IPA: ingressive airflow
2194	↔	LEFT RIGHT ARROW	= z notation relation
2195	↕	UP DOWN ARROW	
2196	↖	NORTH WEST ARROW	
2197	↗	NORTH EAST ARROW	
2198	↘	SOUTH EAST ARROW	
2199	↙	SOUTH WEST ARROW	

**Arrows with modifications**

219A	↔	LEFTWARDS ARROW WITH STROKE	• negation of 2190 ← ≡ 2190 ← 0338 ⚡
219B	↔	RIGHTWARDS ARROW WITH STROKE	• negation of 2192 → ≡ 2192 → 0338 ⚡
219C	↔	LEFTWARDS WAVE ARROW	→ 2B3F ↔ wave arrow pointing directly left
219D	↔	RIGHTWARDS WAVE ARROW	
219E	↔	LEFTWARDS TWO HEADED ARROW	= fast cursor left
219F	↔	UPWARDS TWO HEADED ARROW	= fast cursor up
21A0	↔	RIGHTWARDS TWO HEADED ARROW	= z notation total surjection = fast cursor right
21A1	↔	DOWNWARDS TWO HEADED ARROW	= form feed = fast cursor down
21A2	↔	LEFTWARDS ARROW WITH TAIL	
21A3	↔	RIGHTWARDS ARROW WITH TAIL	= z notation total injection
21A4	↔	LEFTWARDS ARROW FROM BAR	
21A5	↔	UPWARDS ARROW FROM BAR	
21A6	↔	RIGHTWARDS ARROW FROM BAR	= z notation maplet
21A7	↔	DOWNWARDS ARROW FROM BAR	= depth symbol
21A8	↔	UP DOWN ARROW WITH BASE	
21A9	↔	LEFTWARDS ARROW WITH HOOK	
21AA	↔	RIGHTWARDS ARROW WITH HOOK	
21AB	↔	LEFTWARDS ARROW WITH LOOP	
21AC	↔	RIGHTWARDS ARROW WITH LOOP	
21AD	↔	LEFT RIGHT WAVE ARROW	
21AE	↔	LEFT RIGHT ARROW WITH STROKE	• negation of 2194 ↔ ≡ 2194 ↔ 0338 ⚡
21AF	↔	DOWNWARDS ZIGZAG ARROW	= electrolysis

**Arrows with bent tips**

Other arrows with bent tips to complete this set can be found in the *Miscellaneous Symbols and Arrows* block.

21B0	↔	UPWARDS ARROW WITH TIP LEFTWARDS	
21B1	↔	UPWARDS ARROW WITH TIP RIGHTWARDS	

21B2	↔	DOWNWARDS ARROW WITH TIP LEFTWARDS	
21B3	↔	DOWNWARDS ARROW WITH TIP RIGHTWARDS	

**Keyboard symbols and circle arrows**

21B4	↔	RIGHTWARDS ARROW WITH CORNER DOWNWARDS	= line feed
21B5	↔	DOWNWARDS ARROW WITH CORNER LEFTWARDS	• may indicate a carriage return or new line → 23CE ↵ return symbol
21B6	↔	ANTICLOCKWISE TOP SEMICIRCLE ARROW	
21B7	↔	CLOCKWISE TOP SEMICIRCLE ARROW	
21B8	↔	NORTH WEST ARROW TO LONG BAR	= home
21B9	↔	LEFTWARDS ARROW TO BAR OVER RIGHTWARDS ARROW TO BAR	= tab with shift tab
21BA	↔	ANTICLOCKWISE OPEN CIRCLE ARROW	
21BB	↔	CLOCKWISE OPEN CIRCLE ARROW	

**Harpoons**

21BC	↔	LEFTWARDS HARPOON WITH BARB UPWARDS	
21BD	↔	LEFTWARDS HARPOON WITH BARB DOWNWARDS	
21BE	↔	UPWARDS HARPOON WITH BARB RIGHTWARDS	
21BF	↔	UPWARDS HARPOON WITH BARB LEFTWARDS	
21C0	↔	RIGHTWARDS HARPOON WITH BARB UPWARDS	
21C1	↔	RIGHTWARDS HARPOON WITH BARB DOWNWARDS	
21C2	↔	DOWNWARDS HARPOON WITH BARB RIGHTWARDS	
21C3	↔	DOWNWARDS HARPOON WITH BARB LEFTWARDS	

**Paired arrows and harpoons**

21C4	↔	RIGHTWARDS ARROW OVER LEFTWARDS ARROW	
21C5	↔	UPWARDS ARROW LEFTWARDS OF DOWNWARDS ARROW	
21C6	↔	LEFTWARDS ARROW OVER RIGHTWARDS ARROW	
21C7	↔	LEFTWARDS PAIRED ARROWS	
21C8	↔	UPWARDS PAIRED ARROWS	
21C9	↔	RIGHTWARDS PAIRED ARROWS	
21CA	↔	DOWNWARDS PAIRED ARROWS	
21CB	↔	LEFTWARDS HARPOON OVER RIGHTWARDS HARPOON	
21CC	↔	RIGHTWARDS HARPOON OVER LEFTWARDS HARPOON	

**Double arrows**

21CD	↔	LEFTWARDS DOUBLE ARROW WITH STROKE	• negation of 21D0 ⇌ ≡ 21D0 ⇌ 0338 ⚡
21CE	↔	LEFT RIGHT DOUBLE ARROW WITH STROKE	• negation of 21D4 ⇌ ≡ 21D4 ⇌ 0338 ⚡
21CF	↔	RIGHTWARDS DOUBLE ARROW WITH STROKE	• negation of 21D2 ⇌ ≡ 21D2 ⇌ 0338 ⚡
21D0	⇌	LEFTWARDS DOUBLE ARROW	
21D1	⇌	UPWARDS DOUBLE ARROW	
21D2	⇌	RIGHTWARDS DOUBLE ARROW	

21D3 ↓ DOWNWARDS DOUBLE ARROW  
 21D4 ⇌ LEFT RIGHT DOUBLE ARROW  
 21D5 ⤴ UP DOWN DOUBLE ARROW  
 21D6 ↙ NORTH WEST DOUBLE ARROW  
 21D7 ↗ NORTH EAST DOUBLE ARROW  
 21D8 ↘ SOUTH EAST DOUBLE ARROW  
 21D9 ↙ SOUTH WEST DOUBLE ARROW

**Miscellaneous arrows and keyboard symbols**

21DA ⇐ LEFTWARDS TRIPLE ARROW  
 21DB ⇒ RIGHTWARDS TRIPLE ARROW  
 21DC ⇐ LEFTWARDS SQUIGGLE ARROW  
 → 2B33 ⇐ long leftwards squiggle arrow  
 21DD ⇐ RIGHTWARDS SQUIGGLE ARROW  
 21DE ↑ UPWARDS ARROW WITH DOUBLE STROKE  
 = page up  
 21DF ↓ DOWNWARDS ARROW WITH DOUBLE STROKE  
 = page down  
 21E0 ⇐ LEFTWARDS DASHED ARROW  
 21E1 ↑ UPWARDS DASHED ARROW  
 21E2 ⇐ RIGHTWARDS DASHED ARROW  
 21E3 ↓ DOWNWARDS DASHED ARROW  
 21E4 ← LEFTWARDS ARROW TO BAR  
 = leftward tab  
 21E5 → RIGHTWARDS ARROW TO BAR  
 = rightward tab

**White arrows and keyboard symbols**

21E6 ⇐ LEFTWARDS WHITE ARROW  
 → 2B00 ↗ north east white arrow  
 21E7 ↑ UPWARDS WHITE ARROW  
 = shift  
 21E8 ⇒ RIGHTWARDS WHITE ARROW  
 21E9 ↓ DOWNWARDS WHITE ARROW  
 21EA ↑ UPWARDS WHITE ARROW FROM BAR  
 = caps lock  
 21EB ↑ UPWARDS WHITE ARROW ON PEDESTAL  
 = level 2 lock  
 21EC ↑ UPWARDS WHITE ARROW ON PEDESTAL WITH  
 HORIZONTAL BAR  
 = caps lock  
 21ED ↑ UPWARDS WHITE ARROW ON PEDESTAL WITH  
 VERTICAL BAR  
 = numerics lock  
 21EE ↑ UPWARDS WHITE DOUBLE ARROW  
 = level 3 select  
 21EF ↑ UPWARDS WHITE DOUBLE ARROW ON  
 PEDESTAL  
 = level 3 lock  
 21F0 ⇐ RIGHTWARDS WHITE ARROW FROM WALL  
 = group lock  
 21F1 ↖ NORTH WEST ARROW TO CORNER  
 = home  
 21F2 ↘ SOUTH EAST ARROW TO CORNER  
 = end  
 21F3 ↑ UP DOWN WHITE ARROW  
 = scrolling  
 → 2B04 ⇐ left right white arrow

**Miscellaneous arrows**

21F4 → RIGHT ARROW WITH SMALL CIRCLE  
 → 2B30 ⇐ left arrow with small circle  
 21F5 ↓ DOWNWARDS ARROW LEFTWARDS OF  
 UPWARDS ARROW

21F6 ⇐ THREE RIGHTWARDS ARROWS  
 → 2B31 ⇐ three leftwards arrows  
 21F7 ⇐ LEFTWARDS ARROW WITH VERTICAL STROKE  
 21F8 → RIGHTWARDS ARROW WITH VERTICAL STROKE  
 = z notation partial function  
 21F9 ⇐ LEFT RIGHT ARROW WITH VERTICAL STROKE  
 = z notation partial relation  
 21FA ⇐ LEFTWARDS ARROW WITH DOUBLE VERTICAL  
 STROKE  
 21FB → RIGHTWARDS ARROW WITH DOUBLE VERTICAL  
 STROKE  
 = z notation finite function  
 21FC ⇐ LEFT RIGHT ARROW WITH DOUBLE VERTICAL  
 STROKE  
 = z notation finite relation  
 21FD ← LEFTWARDS OPEN-HEADED ARROW  
 21FE → RIGHTWARDS OPEN-HEADED ARROW  
 21FF ⇐ LEFT RIGHT OPEN-HEADED ARROW

	220	221	222	223	224	225	226	227	228	229	22A	22B	22C	22D	22E	22F
0	2200	2210	2220	2230	2240	2250	2260	2270	2280	2290	22A0	22B0	22C0	22D0	22E0	22F0
1	2201	2211	2221	2231	2241	2251	2261	2271	2281	2291	22A1	22B1	22C1	22D1	22E1	22F1
2	2202	2212	2222	2232	2242	2252	2262	2272	2282	2292	22A2	22B2	22C2	22D2	22E2	22F2
3	2203	2213	2223	2233	2243	2253	2263	2273	2283	2293	22A3	22B3	22C3	22D3	22E3	22F3
4	2204	2214	2224	2234	2244	2254	2264	2274	2284	2294	22A4	22B4	22C4	22D4	22E4	22F4
5	2205	2215	2225	2235	2245	2255	2265	2275	2285	2295	22A5	22B5	22C5	22D5	22E5	22F5
6	2206	2216	2226	2236	2246	2256	2266	2276	2286	2296	22A6	22B6	22C6	22D6	22E6	22F6
7	2207	2217	2227	2237	2247	2257	2267	2277	2287	2297	22A7	22B7	22C7	22D7	22E7	22F7
8	2208	2218	2228	2238	2248	2258	2268	2278	2288	2298	22A8	22B8	22C8	22D8	22E8	22F8
9	2209	2219	2229	2239	2249	2259	2269	2279	2289	2299	22A9	22B9	22C9	22D9	22E9	22F9
A	220A	221A	222A	223A	224A	225A	226A	227A	228A	229A	22AA	22BA	22CA	22DA	22EA	22FA
B	220B	221B	222B	223B	224B	225B	226B	227B	228B	229B	22AB	22BB	22CB	22DB	22EB	22FB
C	220C	221C	222C	223C	224C	225C	226C	227C	228C	229C	22AC	22BC	22CC	22DC	22EC	22FC
D	220D	221D	222D	223D	224D	225D	226D	227D	228D	229D	22AD	22BD	22CD	22DD	22ED	22FD
E	220E	221E	222E	223E	224E	225E	226E	227E	228E	229E	22AE	22BE	22CE	22DE	22EE	22FE
F	220F	221F	222F	223F	224F	225F	226F	227F	228F	229F	22AF	22BF	22CF	22DF	22EF	22FF

**Miscellaneous mathematical symbols**

- 2200  $\forall$  FOR ALL  
= universal quantifier
- 2201  $\complement$  COMPLEMENT  
→ 0297  $\complement$  latin letter stretched c
- 2202  $\partial$  PARTIAL DIFFERENTIAL
- 2203  $\exists$  THERE EXISTS  
= existential quantifier
- 2204  $\nexists$  THERE DOES NOT EXIST  
≡ 2203  $\exists$  0338  $\not\exists$
- 2205  $\emptyset$  EMPTY SET  
= null set  
• used in linguistics to indicate a null morpheme or phonological “zero”  
→ 00D8  $\emptyset$  latin capital letter o with stroke  
→ 2300  $\emptyset$  diameter sign
- 2206  $\Delta$  INCREMENT  
= Laplace operator  
= forward difference  
= symmetric difference (in set theory)  
• other symbols may also be used for symmetric difference  
→ 0394  $\Delta$  greek capital letter delta  
→ 25B3  $\Delta$  white up-pointing triangle
- 2207  $\nabla$  NABLA  
= backward difference  
= gradient, del  
• used for Laplacian operator (written with superscript 2)  
→ 25BD  $\nabla$  white down-pointing triangle

**Set membership**

- 2208  $\in$  ELEMENT OF
- 2209  $\notin$  NOT AN ELEMENT OF  
≡ 2208  $\in$  0338  $\not\in$
- 220A  $\epsilon$  SMALL ELEMENT OF  
• originates in math pi fonts; not the straight epsilon  
→ 03F5  $\epsilon$  greek lunate epsilon symbol
- 220B  $\ni$  CONTAINS AS MEMBER  
= such that
- 220C  $\not\ni$  DOES NOT CONTAIN AS MEMBER  
≡ 220B  $\ni$  0338  $\not\ni$
- 220D  $\ni$  SMALL CONTAINS AS MEMBER  
→ 03F6  $\ni$  greek reversed lunate epsilon symbol

**Miscellaneous mathematical symbol**

- 220E  $\blacksquare$  END OF PROOF  
= q.e.d.  
→ 2023  $\blacktriangleright$  triangular bullet  
→ 25AE  $\blacksquare$  black vertical rectangle

**N-ary operators**

- 220F  $\prod$  N-ARY PRODUCT  
= product sign  
→ 03A0  $\prod$  greek capital letter pi
- 2210  $\coprod$  N-ARY COPRODUCT  
= coproduct sign
- 2211  $\sum$  N-ARY SUMMATION  
= summation sign  
→ 03A3  $\Sigma$  greek capital letter sigma  
→ 2140  $\Sigma$  double-struck n-ary summation

**Operators**

- 2212  $-$  MINUS SIGN  
→ 002D  $-$  hyphen-minus
- 2213  $\mp$  MINUS-OR-PLUS SIGN  
→ 00B1  $\pm$  plus-minus sign
- 2214  $\dot{+}$  DOT PLUS
- 2215  $/$  DIVISION SLASH  
• generic division operator  
→ 002F  $/$  solidus  
→ 2044  $/$  fraction slash
- 2216  $\setminus$  SET MINUS  
→ 005C  $\setminus$  reverse solidus
- 2217  $*$  ASTERISK OPERATOR  
→ 002A  $*$  asterisk
- 2218  $\circ$  RING OPERATOR  
= composite function  
= APL jot  
→ 00B0  $^\circ$  degree sign  
→ 0970  $^\circ$  devanagari abbreviation sign  
→ 25E6  $\circ$  white bullet  
→ 10B39  $^\circ$  avestan abbreviation mark
- 2219  $\bullet$  BULLET OPERATOR  
→ 00B7  $\cdot$  middle dot  
→ 2022  $\bullet$  bullet  
→ 2024  $\cdot$  one dot leader
- 221A  $\surd$  SQUARE ROOT  
= radical sign  
→ 2713  $\checkmark$  check mark
- 221B  $\sqrt[3]{}$  CUBE ROOT  
→ 0606  $\sqrt[3]{}$  arabic-indic cube root
- 221C  $\sqrt[4]{}$  FOURTH ROOT  
→ 0607  $\sqrt[4]{}$  arabic-indic fourth root
- 221D  $\propto$  PROPORTIONAL TO  
→ 03B1  $\alpha$  greek small letter alpha

**Miscellaneous mathematical symbols**

- 221E  $\infty$  INFINITY
- 221F  $\perp$  RIGHT ANGLE
- 2220  $\sphericalangle$  ANGLE
- 2221  $\sphericalangle$  MEASURED ANGLE
- 2222  $\sphericalangle$  SPHERICAL ANGLE  
= angle arc

**Operators**

- 2223  $|$  DIVIDES  
= such that  
= APL stile  
→ 007C  $|$  vertical line  
→ 01C0  $|$  latin letter dental click
- 2224  $\nmid$  DOES NOT DIVIDE  
≡ 2223  $|$  0338  $\not|$
- 2225  $\parallel$  PARALLEL TO  
→ 01C1  $\parallel$  latin letter lateral click  
→ 2016  $\parallel$  double vertical line
- 2226  $\nparallel$  NOT PARALLEL TO  
≡ 2225  $\parallel$  0338  $\not\parallel$

**Logical and set operators**

- 2227  $\wedge$  LOGICAL AND  
= wedge, conjunction  
→ 22C0  $\wedge$  n-ary logical and  
→ 2303  $\wedge$  up arrowhead

- 2228  $\vee$  LOGICAL OR  
= vee, disjunction  
→ 22C1  $\vee$  n-ary logical or  
→ 2304  $\vee$  down arrowhead
- 2229  $\cap$  INTERSECTION  
= cap, hat  
→ 22C2  $\cap$  n-ary intersection
- 222A  $\cup$  UNION  
= cup  
→ 22C3  $\cup$  n-ary union

**Integrals**

- 222B  $\int$  INTEGRAL  
→ 0283  $\int$  latin small letter esh
- 222C  $\iint$  DOUBLE INTEGRAL  
≈ 222B  $\int$  222B  $\int$
- 222D  $\iiint$  TRIPLE INTEGRAL  
→ 2A0C  $\iiint$  quadruple integral operator  
≈ 222B  $\int$  222B  $\int$  222B  $\int$
- 222E  $\oint$  CONTOUR INTEGRAL  
→ 2A15  $\oint$  integral around a point operator
- 222F  $\oiint$  SURFACE INTEGRAL  
≈ 222E  $\oint$  222E  $\oint$
- 2230  $\iiint$  VOLUME INTEGRAL  
≈ 222E  $\oint$  222E  $\oint$  222E  $\oint$
- 2231  $\int$  CLOCKWISE INTEGRAL
- 2232  $\oint$  CLOCKWISE CONTOUR INTEGRAL
- 2233  $\oint$  ANTICLOCKWISE CONTOUR INTEGRAL  
• clockwise or anticlockwise arrows do not reverse during layout mirroring

**Miscellaneous mathematical symbols**

- 2234  $\therefore$  THEREFORE
- 2235  $\because$  BECAUSE

**Relations**

- 2236  $:$  RATIO  
→ 003A  $:$  colon
- 2237  $::$  PROPORTION

**Operator**

- 2238  $\dot{-}$  DOT MINUS  
= saturating subtraction  
• sometimes claimed as notation for symmetric set difference, but 2206  $\Delta$  is preferred

**Relation**

- 2239  $-:$  EXCESS

**Operator**

- 223A  $\cong$  GEOMETRIC PROPORTION

**Relations**

- 223B  $\simeq$  HOMOTHETIC  
→ 2A6B  $\simeq$  tilde operator with rising dots
- 223C  $\sim$  TILDE OPERATOR  
= varies with (proportional to)  
= difference between  
= similar to  
= not  
= cycle  
= APL tilde  
→ 007E  $\sim$  tilde  
→ 00AC  $\sim$  not sign  
→ 02DC  $\sim$  small tilde

- 223D  $\smile$  REVERSED TILDE  
= lazy S  
• reversed tilde and lazy S are glyph variants
- 223E  $\smile$  INVERTED LAZY S  
= most positive

**Miscellaneous mathematical symbol**

- 223F  $\sim$  SINE WAVE  
= alternating current

**Operator**

- 2240  $\wr$  WREATH PRODUCT

**Relations**

- 2241  $\ncong$  NOT TILDE  
≡ 223C  $\sim$  0338  $\not\sim$
- 2242  $\neq$  MINUS TILDE
- 2243  $\approx$  ASYMPTOTICALLY EQUAL TO
- 2244  $\not\approx$  NOT ASYMPTOTICALLY EQUAL TO  
≡ 2243  $\approx$  0338  $\not\approx$
- 2245  $\cong$  APPROXIMATELY EQUAL TO
- 2246  $\cong$  APPROXIMATELY BUT NOT ACTUALLY EQUAL TO
- 2247  $\not\cong$  NEITHER APPROXIMATELY NOR ACTUALLY EQUAL TO  
≡ 2245  $\cong$  0338  $\not\cong$
- 2248  $\simeq$  ALMOST EQUAL TO  
= asymptotic to
- 2249  $\not\simeq$  NOT ALMOST EQUAL TO  
≡ 2248  $\simeq$  0338  $\not\simeq$
- 224A  $\approx$  ALMOST EQUAL OR EQUAL TO
- 224B  $\approx$  TRIPLE TILDE
- 224C  $\equiv$  ALL EQUAL TO  
• reversed tilde and lazy S are glyph variants
- 224D  $\asymp$  EQUIVALENT TO
- 224E  $\asymp$  GEOMETRICALLY EQUIVALENT TO
- 224F  $\simeq$  DIFFERENCE BETWEEN
- 2250  $\doteq$  APPROACHES THE LIMIT
- 2251  $\doteq$  GEOMETRICALLY EQUAL TO
- 2252  $\doteq$  APPROXIMATELY EQUAL TO OR THE IMAGE OF  
= nearly equals
- 2253  $\doteq$  IMAGE OF OR APPROXIMATELY EQUAL TO
- 2254  $\doteq$  COLON EQUALS
- 2255  $\doteq$  EQUALS COLON
- 2256  $\doteq$  RING IN EQUAL TO
- 2257  $\doteq$  RING EQUAL TO  
= approximately equal to
- 2258  $\doteq$  CORRESPONDS TO
- 2259  $\doteq$  ESTIMATES  
= corresponds to
- 225A  $\doteq$  EQUIANGULAR TO
- 225B  $\doteq$  STAR EQUALS
- 225C  $\doteq$  DELTA EQUAL TO  
= equiangular  
= equal to by definition
- 225D  $\doteq$  EQUAL TO BY DEFINITION
- 225E  $\doteq$  MEASURED BY
- 225F  $\doteq$  QUESTIONED EQUAL TO
- 2260  $\doteq$  NOT EQUAL TO  
→ 003D = equals sign  
→ 01C2  $\dagger$  latin letter alveolar click  
≡ 003D = 0338  $\not\approx$
- 2261  $\doteq$  IDENTICAL TO



2262	$\neq$	NOT IDENTICAL TO ≡ 2261 ≡ 0338 $\not\equiv$
2263	$\equiv$	STRICTLY EQUIVALENT TO
2264	$\leq$	LESS-THAN OR EQUAL TO
2265	$\geq$	GREATER-THAN OR EQUAL TO
2266	$\leq$	LESS-THAN OVER EQUAL TO
2267	$\geq$	GREATER-THAN OVER EQUAL TO
2268	$\neq$	LESS-THAN BUT NOT EQUAL TO
2269	$\neq$	GREATER-THAN BUT NOT EQUAL TO
226A	$\ll$	MUCH LESS-THAN → 00AB $\ll$ left-pointing double angle quotation mark
226B	$\gg$	MUCH GREATER-THAN → 00BB $\gg$ right-pointing double angle quotation mark
226C	$\diamond$	BETWEEN = plaintiff, quantic
226D	$\not\equiv$	NOT EQUIVALENT TO ≡ 224D $\not\equiv$ 0338 $\not\equiv$
226E	$\nless$	NOT LESS-THAN ≡ 003C < 0338 $\not\leq$
226F	$\ngtr$	NOT GREATER-THAN ≡ 003E > 0338 $\not\geq$
2270	$\nless$	NEITHER LESS-THAN NOR EQUAL TO ≡ 2264 $\leq$ 0338 $\not\leq$
2271	$\ngtr$	NEITHER GREATER-THAN NOR EQUAL TO ≡ 2265 $\geq$ 0338 $\not\geq$
2272	$\leq$	LESS-THAN OR EQUIVALENT TO
2273	$\geq$	GREATER-THAN OR EQUIVALENT TO
2274	$\nless$	NEITHER LESS-THAN NOR EQUIVALENT TO ≡ 2272 $\leq$ 0338 $\not\leq$
2275	$\ngtr$	NEITHER GREATER-THAN NOR EQUIVALENT TO ≡ 2273 $\geq$ 0338 $\not\geq$
2276	$\nless$	LESS-THAN OR GREATER-THAN
2277	$\ngtr$	GREATER-THAN OR LESS-THAN
2278	$\nless$	NEITHER LESS-THAN NOR GREATER-THAN ≡ 2276 $\leq$ 0338 $\not\leq$
2279	$\ngtr$	NEITHER GREATER-THAN NOR LESS-THAN ≡ 2277 $\geq$ 0338 $\not\geq$
227A	$\prec$	PRECEDES = lower rank than → 22B0 $\prec$ precedes under relation
227B	$\succ$	SUCCEEDS = higher rank than → 22B1 $\succ$ succeeds under relation
227C	$\leq$	PRECEDES OR EQUAL TO
227D	$\geq$	SUCCEEDS OR EQUAL TO
227E	$\leq$	PRECEDES OR EQUIVALENT TO
227F	$\geq$	SUCCEEDS OR EQUIVALENT TO
2280	$\nless$	DOES NOT PRECEDE ≡ 227A < 0338 $\not\prec$
2281	$\ngtr$	DOES NOT SUCCEED ≡ 227B > 0338 $\not\succ$
2282	$\subset$	SUBSET OF = included in set → 2E26 $\subset$ left sideways u bracket
2283	$\supset$	SUPERSET OF = includes in set → 2E27 $\supset$ right sideways u bracket
2284	$\not\subset$	NOT A SUBSET OF ≡ 2282 $\subset$ 0338 $\not\subset$

2285	$\not\supset$	NOT A SUPERSET OF ≡ 2283 $\supset$ 0338 $\not\supset$
2286	$\subseteq$	SUBSET OF OR EQUAL TO
2287	$\supseteq$	SUPERSET OF OR EQUAL TO
2288	$\not\subseteq$	NEITHER A SUBSET OF NOR EQUAL TO ≡ 2286 $\subset$ 0338 $\not\subset$
2289	$\not\supseteq$	NEITHER A SUPERSET OF NOR EQUAL TO ≡ 2287 $\supset$ 0338 $\not\supset$
228A	$\subsetneq$	SUBSET OF WITH NOT EQUAL TO
228B	$\supsetneq$	SUPERSET OF WITH NOT EQUAL TO

**Operators**

228C	$\cup$	MULTISET
228D	$\cup$	MULTISET MULTIPLICATION → 2A03 $\cup$ n-ary union operator with dot → 2A40 $\cap$ intersection with dot
228E	$\cup$	MULTISET UNION = z notation bag addition → 2A04 $\cup$ n-ary union operator with plus

**Relations**

228F	$\square$	SQUARE IMAGE OF
2290	$\sqsupset$	SQUARE ORIGINAL OF
2291	$\sqsubseteq$	SQUARE IMAGE OF OR EQUAL TO
2292	$\sqsupseteq$	SQUARE ORIGINAL OF OR EQUAL TO

**Operators**

2293	$\sqcap$	SQUARE CAP → 2A05 $\sqcap$ n-ary square intersection operator
2294	$\sqcup$	SQUARE CUP
2295	$\oplus$	CIRCLED PLUS = direct sum = vector pointing into page → 2641 $\oplus$ earth → 2A01 $\oplus$ n-ary circled plus operator
2296	$\ominus$	CIRCLED MINUS = symmetric difference → 29B5 $\ominus$ circle with horizontal bar
2297	$\otimes$	CIRCLED TIMES = tensor product = vector pointing into page → 2A02 $\otimes$ n-ary circled times operator
2298	$\oslash$	CIRCLED DIVISION SLASH
2299	$\odot$	CIRCLED DOT OPERATOR = direct product = vector pointing out of page → 0298 $\odot$ latin letter bilabial click → 2609 $\odot$ sun → 2A00 $\odot$ n-ary circled dot operator
229A	$\circ$	CIRCLED RING OPERATOR → 233E $\circ$ apl functional symbol circle jot → 25CE $\circ$ bullseye
229B	$\circledast$	CIRCLED ASTERISK OPERATOR → 235F $\circledast$ apl functional symbol circle star
229C	$\equiv$	CIRCLED EQUALS
229D	$\dashv$	CIRCLED DASH
229E	$\boxplus$	SQUARED PLUS
229F	$\boxminus$	SQUARED MINUS
22A0	$\boxtimes$	SQUARED TIMES → 2612 $\boxtimes$ ballot box with x → 26DD $\boxtimes$ squared saltire
22A1	$\boxdot$	SQUARED DOT OPERATOR

- 22A2  $\vdash$  RIGHT TACK  
= turnstile  
= proves, implies, yields  
= reducible
- 22A3  $\dashv$  LEFT TACK  
= reverse turnstile  
= non-theorem, does not yield

**Miscellaneous mathematical symbols**

- 22A4  $\top$  DOWN TACK  
= top  
→ 2E06  $\top$  raised interpolation marker
- 22A5  $\perp$  UP TACK  
= base, bottom  
→ 27C2  $\perp$  perpendicular

**Relations**

- 22A6  $\vdash$  ASSERTION  
= reduces to
- 22A7  $\vDash$  MODELS
- 22A8  $\vDash$  TRUE  
= statement is true, valid  
= is a tautology  
= satisfies  
= results in
- 22A9  $\Vdash$  FORCES
- 22AA  $\equiv$  TRIPLE VERTICAL BAR RIGHT TURNSTILE
- 22AB  $\equiv$  DOUBLE VERTICAL BAR DOUBLE RIGHT TURNSTILE
- 22AC  $\nVdash$  DOES NOT PROVE  
≡ 22A2  $\vdash$  0338  $\not\equiv$
- 22AD  $\n\vDash$  NOT TRUE  
≡ 22A8  $\vDash$  0338  $\not\equiv$
- 22AE  $\nVdash$  DOES NOT FORCE  
≡ 22A9  $\Vdash$  0338  $\not\equiv$
- 22AF  $\n\equiv$  NEGATED DOUBLE VERTICAL BAR DOUBLE RIGHT TURNSTILE  
≡ 22AB  $\equiv$  0338  $\not\equiv$
- 22B0  $\prec$  PRECEDES UNDER RELATION  
→ 227A  $<$  precedes
- 22B1  $\succ$  SUCCEEDS UNDER RELATION  
→ 227B  $>$  succeeds
- 22B2  $\triangleleft$  NORMAL SUBGROUP OF  
→ 25C5  $\triangleleft$  white left-pointing pointer
- 22B3  $\triangleright$  CONTAINS AS NORMAL SUBGROUP  
→ 25BB  $\triangleright$  white right-pointing pointer
- 22B4  $\trianglelefteq$  NORMAL SUBGROUP OF OR EQUAL TO
- 22B5  $\trianglerighteq$  CONTAINS AS NORMAL SUBGROUP OR EQUAL TO
- 22B6  $\rightarrow$  ORIGINAL OF
- 22B7  $\mapsto$  IMAGE OF
- 22B8  $\multimap$  MULTIMAP
- 22B9  $\dagger$  HERMITIAN CONJUGATE MATRIX

**Operators**

- 22BA  $\intercal$  INTERCALATE
- 22BB  $\curlywedge$  XOR  
→ 26BA  $\curlywedge$  semisextile
- 22BC  $\bar{\wedge}$  NAND  
→ 2305  $\bar{\wedge}$  projective  
→ 26BB  $\bar{\wedge}$  quincunx
- 22BD  $\nabla$  NOR

**Miscellaneous mathematical symbols**

- 22BE  $\sphericalangle$  RIGHT ANGLE WITH ARC

- 22BF  $\sphericalangle$  RIGHT TRIANGLE

**N-ary operators**

- 22C0  $\bigwedge$  N-ARY LOGICAL AND  
• also used to denote the universal quantifier  
→ 2227  $\bigwedge$  logical and
- 22C1  $\bigvee$  N-ARY LOGICAL OR  
• also used to denote the existential quantifier  
→ 2228  $\bigvee$  logical or
- 22C2  $\bigcap$  N-ARY INTERSECTION  
= z notation generalised intersection  
→ 2229  $\bigcap$  intersection
- 22C3  $\bigcup$  N-ARY UNION  
= z notation generalised union  
→ 222A  $\bigcup$  union

**Operators**

- 22C4  $\blacklozenge$  DIAMOND OPERATOR  
→ 25C7  $\diamond$  white diamond  
→ 2B29  $\blacklozenge$  black small diamond
- 22C5  $\cdot$  DOT OPERATOR  
→ 00B7  $\cdot$  middle dot
- 22C6  $\star$  STAR OPERATOR  
• APL  
→ 066D  $\star$  arabic five pointed star  
→ 2605  $\star$  black star  
→ 2B50  $\star$  white medium star
- 22C7  $\div$  DIVISION TIMES

**Relation**

- 22C8  $\bowtie$  BOWTIE  
→ 2445  $\bowtie$  ocr bow tie

**Operators**

- 22C9  $\ltimes$  LEFT NORMAL FACTOR SEMIDIRECT PRODUCT
- 22CA  $\rtimes$  RIGHT NORMAL FACTOR SEMIDIRECT PRODUCT
- 22CB  $\lrcorner$  LEFT SEMIDIRECT PRODUCT
- 22CC  $\rccorner$  RIGHT SEMIDIRECT PRODUCT  
→ 2041  $\rccorner$  caret insertion point

**Relation**

- 22CD  $\Re$  REVERSED TILDE EQUALS

**Logical operators**

- 22CE  $\curlyvee$  CURLY LOGICAL OR
- 22CF  $\curlywedge$  CURLY LOGICAL AND

**Relations**

- 22D0  $\Subset$  DOUBLE SUBSET
- 22D1  $\Supset$  DOUBLE SUPERSET

**Operators**

- 22D2  $\capcap$  DOUBLE INTERSECTION
- 22D3  $\cupcup$  DOUBLE UNION

**Relations**

- 22D4  $\pitchfork$  PITCHFORK  
= proper intersection
- 22D5  $\#$  EQUAL AND PARALLEL TO  
→ 2317  $\#$  viewdata square
- 22D6  $\lessdot$  LESS-THAN WITH DOT
- 22D7  $\gtrdot$  GREATER-THAN WITH DOT
- 22D8  $\lll$  VERY MUCH LESS-THAN
- 22D9  $\ggg$  VERY MUCH GREATER-THAN
- 22DA  $\lesseqgtr$  LESS-THAN EQUAL TO OR GREATER-THAN
- 22DB  $\gtreqless$  GREATER-THAN EQUAL TO OR LESS-THAN

22DC	$\approx$	EQUAL TO OR LESS-THAN
22DD	$\succ$	EQUAL TO OR GREATER-THAN
22DE	$\preceq$	EQUAL TO OR PRECEDES
22DF	$\succcurlyeq$	EQUAL TO OR SUCCEEDS
22E0	$\nprec$	DOES NOT PRECEDE OR EQUAL $\equiv$ 227C $\leq$ 0338 $\not\phi$
22E1	$\nprec$	DOES NOT SUCCEED OR EQUAL $\equiv$ 227D $\geq$ 0338 $\not\phi$
22E2	$\not\sqsupseteq$	NOT SQUARE IMAGE OF OR EQUAL TO $\equiv$ 2291 $\sqsupseteq$ 0338 $\not\phi$
22E3	$\not\sqsupset$	NOT SQUARE ORIGINAL OF OR EQUAL TO $\equiv$ 2292 $\sqsupset$ 0338 $\not\phi$
22E4	$\sqsupseteq$	SQUARE IMAGE OF OR NOT EQUAL TO
22E5	$\sqsupset$	SQUARE ORIGINAL OF OR NOT EQUAL TO
22E6	$\nless$	LESS-THAN BUT NOT EQUIVALENT TO
22E7	$\ngtr$	GREATER-THAN BUT NOT EQUIVALENT TO
22E8	$\nprec$	PRECEDES BUT NOT EQUIVALENT TO
22E9	$\nsuc$	SUCCEEDS BUT NOT EQUIVALENT TO
22EA	$\ntriangleleft$	NOT NORMAL SUBGROUP OF $\equiv$ 22B2 $\triangleleft$ 0338 $\not\phi$
22EB	$\ntriangleright$	DOES NOT CONTAIN AS NORMAL SUBGROUP $\equiv$ 22B3 $\triangleright$ 0338 $\not\phi$
22EC	$\ntrianglelefteq$	NOT NORMAL SUBGROUP OF OR EQUAL TO $\equiv$ 22B4 $\trianglelefteq$ 0338 $\not\phi$
22ED	$\ntrianglelefteq$	DOES NOT CONTAIN AS NORMAL SUBGROUP OR EQUAL $\equiv$ 22B5 $\trianglerighteq$ 0338 $\not\phi$
22EE	$\vdots$	VERTICAL ELLIPSIS <ul style="list-style-type: none"> <li>• these four ellipses are used for matrix row/column elision</li> </ul> <ul style="list-style-type: none"> <li>→ 205D <math>\doteq</math> tricolon</li> <li>→ 2026 ... horizontal ellipsis</li> <li>→ FE19 <math>\ddots</math> presentation form for vertical horizontal ellipsis</li> </ul>
22EF	$\cdots$	MIDLINE HORIZONTAL ELLIPSIS
22F0	$\ddot{\cdot}$	UP RIGHT DIAGONAL ELLIPSIS
22F1	$\dot{\cdot}$	DOWN RIGHT DIAGONAL ELLIPSIS
22F2	$\notin$	ELEMENT OF WITH LONG HORIZONTAL STROKE
22F3	$\ni$	ELEMENT OF WITH VERTICAL BAR AT END OF HORIZONTAL STROKE
22F4	$\e$	SMALL ELEMENT OF WITH VERTICAL BAR AT END OF HORIZONTAL STROKE
22F5	$\in$	ELEMENT OF WITH DOT ABOVE
22F6	$\overline{\in}$	ELEMENT OF WITH OVERBAR
22F7	$\overline{\e}$	SMALL ELEMENT OF WITH OVERBAR
22F8	$\underline{\in}$	ELEMENT OF WITH UNDERBAR
22F9	$\overline{\underline{\in}}$	ELEMENT OF WITH TWO HORIZONTAL STROKES
22FA	$\ni$	CONTAINS WITH LONG HORIZONTAL STROKE
22FB	$\ni$	CONTAINS WITH VERTICAL BAR AT END OF HORIZONTAL STROKE
22FC	$\ni$	SMALL CONTAINS WITH VERTICAL BAR AT END OF HORIZONTAL STROKE
22FD	$\overline{\ni}$	CONTAINS WITH OVERBAR
22FE	$\overline{\ni}$	SMALL CONTAINS WITH OVERBAR
22FF	$\in$	Z NOTATION BAG MEMBERSHIP

	230	231	232	233	234	235	236	237	238	239	23A	23B	23C	23D	23E	23F
0	2300	2310	2320	2330	2340	2350	2360	2370	2380	2390	23A0	23B0	23C0	23D0	23E0	
1	2301	2311	2321	2331	2341	2351	2361	2371	2381	2391	23A1	23B1	23C1	23D1	23E1	
2	2302	2312	2322	2332	2342	2352	2362	2372	2382	2392	23A2	23B2	23C2	23D2	23E2	
3	2303	2313	2323	2333	2343	2353	2363	2373	2383	2393	23A3	23B3	23C3	23D3	23E3	
4	2304	2314	2324	2334	2344	2354	2364	2374	2384	2394	23A4	23B4	23C4	23D4	23E4	
5	2305	2315	2325	2335	2345	2355	2365	2375	2385	2395	23A5	23B5	23C5	23D5	23E5	
6	2306	2316	2326	2336	2346	2356	2366	2376	2386	2396	23A6	23B6	23C6	23D6	23E6	
7	2307	2317	2327	2337	2347	2357	2367	2377	2387	2397	23A7	23B7	23C7	23D7	23E7	
8	2308	2318	2328	2338	2348	2358	2368	2378	2388	2398	23A8	23B8	23C8	23D8	23E8	
9	2309	2319	2329	2339	2349	2359	2369	2379	2389	2399	23A9	23B9	23C9	23D9		
A	230A	231A	232A	233A	234A	235A	236A	237A	238A	239A	23AA	23BA	23CA	23DA		
B	230B	231B	232B	233B	234B	235B	236B	237B	238B	239B	23AB	23BB	23CB	23DB		
C	230C	231C	232C	233C	234C	235C	236C	237C	238C	239C	23AC	23BC	23CC	23DC		
D	230D	231D	232D	233D	234D	235D	236D	237D	238D	239D	23AD	23BD	23CD	23DD		
E	230E	231E	232E	233E	234E	235E	236E	237E	238E	239E	23AE	23BE	23CE	23DE		
F	230F	231F	232F	233F	234F	235F	236F	237F	238F	239F	23AF	23BF	23CF	23DF		

**Miscellaneous technical**

- 2300 ∅ DIAMETER SIGN  
→ 2205 ∅ empty set
- 2301 ↘ ELECTRIC ARROW  
• from ISO 2047  
• symbol for End of Transmission
- 2302 ⬆ HOUSE  
2303 ^ UP ARROWHEAD  
→ 005E ^ circumflex accent  
→ 02C4 ^ modifier letter up arrowhead  
→ 2038 ^ caret  
→ 2227 ^ logical and
- 2304 v DOWN ARROWHEAD  
→ 02C5 v modifier letter down arrowhead  
→ 2228 v logical or  
→ 2335 v countersink
- 2305 ⤵ PROJECTIVE  
→ 22BC ⤵ nand
- 2306 ⤵ PERSPECTIVE
- 2307 } WAVY LINE  
→ 3030 ~ wavy dash

**Ceilings and floors**

*These characters are tall and narrow mathematical delimiters, in contrast to the quine corners or half brackets. They are also distinct from CJK corner brackets, which are wide quotation marks.*

- 2308 ⌈ LEFT CEILING  
= APL upstile  
→ 2E22 ⌈ top left half bracket  
→ 300C ⌈ left corner bracket
- 2309 ⌋ RIGHT CEILING  
→ 20E7 ⌋ combining annuity symbol  
→ 2E23 ⌋ top right half bracket
- 230A ⌋ LEFT FLOOR  
= APL downstile  
→ 2E24 ⌋ bottom left half bracket
- 230B ⌋ RIGHT FLOOR  
→ 300D ⌋ right corner bracket  
→ 2E25 ⌋ bottom right half bracket

**Crops**

- 230C ⌞ BOTTOM RIGHT CROP  
• set of four “crop” corners, arranged facing outward
- 230D ⌞ BOTTOM LEFT CROP
- 230E ⌞ TOP RIGHT CROP
- 230F ⌞ TOP LEFT CROP

**Miscellaneous technical**

- 2310 ⇐ REVERSED NOT SIGN  
= beginning of line  
→ 00AC ⇐ not sign
- 2311 ▣ SQUARE LOZENGE  
= Kissen (pillow)  
• used as a command delimiter in some very old computers
- 2312 ⤴ ARC  
→ 25E0 ⤴ upper half circle
- 2313 ⤴ SEGMENT
- 2314 ⤴ SECTOR
- 2315 ⤴ TELEPHONE RECORDER
- 2316 ⤴ POSITION INDICATOR

- 2317 ⦶ VIEWDATA SQUARE  
→ 22D5 ⦶ equal and parallel to
- 2318 ⦶ PLACE OF INTEREST SIGN  
= command key (1.0)
- 2319 ⤵ TURNED NOT SIGN  
= line marker

**GUI icons**

- 231A ⌚ WATCH
- 231B ⌚ HOURGLASS

**Quine corners**

*These form a set of four quine corners, for quincuncial arrangement. They are also used in upper and lower pairs in mathematic, or more rarely in editorial usage as alternatives to half brackets.*

- 231C ⌌ TOP LEFT CORNER  
→ 2E00 ⌌ right angle substitution marker  
→ 2E22 ⌌ top left half bracket
- 231D ⌌ TOP RIGHT CORNER
- 231E ⌌ BOTTOM LEFT CORNER
- 231F ⌌ BOTTOM RIGHT CORNER

**Integral pieces**

- 2320 ⌒ TOP HALF INTEGRAL  
→ 23AE ⌒ integral extension
- 2321 ⌒ BOTTOM HALF INTEGRAL

**Frown and smile**

- 2322 ☹ FROWN  
→ 2040 ☹ character tie
- 2323 ☺ SMILE  
→ 203F ☺ undertie

**Keyboard symbols**

- 2324 ⌘ UP ARROWHEAD BETWEEN TWO HORIZONTAL BARS  
= enter key
- 2325 ⌘ OPTION KEY
- 2326 ☒ ERASE TO THE RIGHT  
= delete to the right key
- 2327 ☒ X IN A RECTANGLE BOX  
= clear key
- 2328 ⌨ KEYBOARD






















































**Deprecated angle brackets**

*These characters are deprecated and are strongly discouraged for mathematical use because of their canonical equivalence to CJK punctuation.*

- 2329 ⌠ LEFT-POINTING ANGLE BRACKET  
→ 003C ⌠ less-than sign  
→ 2039 ⌠ single left-pointing angle quotation mark  
→ 27E8 ⌠ mathematical left angle bracket  
≡ 3008 ⌠ left angle bracket
- 232A ⌡ RIGHT-POINTING ANGLE BRACKET  
→ 003E ⌡ greater-than sign  
→ 203A ⌡ single right-pointing angle quotation mark  
→ 27E9 ⌡ mathematical right angle bracket  
≡ 3009 ⌡ right angle bracket

**Keyboard symbol**

- 232B ☒ ERASE TO THE LEFT  
= delete to the left key

**Chemistry symbol**232C  BENZENE RING**Drafting symbols**232D  CYLINDRICITY232E  ALL AROUND-PROFILE232F  SYMMETRY2330  TOTAL RUNOUT2331  DIMENSION ORIGIN2332  CONICAL TAPER2333  SLOPE  
→ 25FA  lower left triangle2334  COUNTERBORE  
→ 2423  open box2335  COUNTERSINK  
→ 2304  down arrowhead**APL**2336  APL FUNCTIONAL SYMBOL I-BEAM2337  APL FUNCTIONAL SYMBOL SQUISH QUAD  
→ 2395  apl functional symbol quad  
→ 25AF  white vertical rectangle  
→ 2AFF  n-ary white vertical bar2338  APL FUNCTIONAL SYMBOL QUAD EQUAL2339  APL FUNCTIONAL SYMBOL QUAD DIVIDE233A  APL FUNCTIONAL SYMBOL QUAD DIAMOND  
→ 26CB  white diamond in square233B  APL FUNCTIONAL SYMBOL QUAD JOT  
→ 29C7  squared small circle233C  APL FUNCTIONAL SYMBOL QUAD CIRCLE233D  APL FUNCTIONAL SYMBOL CIRCLE STILE233E  APL FUNCTIONAL SYMBOL CIRCLE JOT  
→ 229A  circled ring operator  
→ 29BE  circled white bullet233F  APL FUNCTIONAL SYMBOL SLASH BAR  
→ 1019A  roman as sign2340  APL FUNCTIONAL SYMBOL BACKSLASH BAR  
→ 29F7  reverse solidus with horizontal stroke2341  APL FUNCTIONAL SYMBOL QUAD SLASH  
→ 29C4  squared rising diagonal slash2342  APL FUNCTIONAL SYMBOL QUAD BACKSLASH  
→ 29C5  squared falling diagonal slash2343  APL FUNCTIONAL SYMBOL QUAD LESS-THAN2344  APL FUNCTIONAL SYMBOL QUAD GREATER-THAN2345  APL FUNCTIONAL SYMBOL LEFTWARDS VANE2346  APL FUNCTIONAL SYMBOL RIGHTWARDS VANE2347  APL FUNCTIONAL SYMBOL QUAD LEFTWARDS ARROW2348  APL FUNCTIONAL SYMBOL QUAD RIGHTWARDS ARROW2349  APL FUNCTIONAL SYMBOL CIRCLE BACKSLASH  
→ 29B0  reversed empty set234A  APL FUNCTIONAL SYMBOL DOWN TACK UNDERBAR  
= up tack underbar  
• preferred naming for APL tack symbols now follows the London Convention in ISO/IEC 13751:2000 (APL Extended)  
→ 22A5  up tack234B  APL FUNCTIONAL SYMBOL DELTA STILE234C  APL FUNCTIONAL SYMBOL QUAD DOWN CARET234D  APL FUNCTIONAL SYMBOL QUAD DELTA234E  APL FUNCTIONAL SYMBOL DOWN TACK JOT  
= up tack jot  
→ 22A5  up tack234F  APL FUNCTIONAL SYMBOL UPWARDS VANE2350  APL FUNCTIONAL SYMBOL QUAD UPWARDS ARROW2351  APL FUNCTIONAL SYMBOL UP TACK OVERBAR  
= down tack overbar  
→ 22A4  down tack  
→ 3012  postal mark2352  APL FUNCTIONAL SYMBOL DEL STILE2353  APL FUNCTIONAL SYMBOL QUAD UP CARET2354  APL FUNCTIONAL SYMBOL QUAD DEL2355  APL FUNCTIONAL SYMBOL UP TACK JOT  
= down tack jot  
→ 22A4  down tack2356  APL FUNCTIONAL SYMBOL DOWNWARDS VANE2357  APL FUNCTIONAL SYMBOL QUAD DOWNWARDS ARROW2358  APL FUNCTIONAL SYMBOL QUOTE UNDERBAR2359  APL FUNCTIONAL SYMBOL DELTA UNDERBAR235A  APL FUNCTIONAL SYMBOL DIAMOND UNDERBAR235B  APL FUNCTIONAL SYMBOL JOT UNDERBAR235C  APL FUNCTIONAL SYMBOL CIRCLE UNDERBAR235D  APL FUNCTIONAL SYMBOL UP SHOE JOT  
→ 2A40  intersection with dot235E  APL FUNCTIONAL SYMBOL QUOTE QUAD235F  APL FUNCTIONAL SYMBOL CIRCLE STAR  
→ 229B  circled asterisk operator2360  APL FUNCTIONAL SYMBOL QUAD COLON2361  APL FUNCTIONAL SYMBOL UP TACK DIAERESIS  
= down tack diaeresis  
→ 22A4  down tack2362  APL FUNCTIONAL SYMBOL DEL DIAERESIS2363  APL FUNCTIONAL SYMBOL STAR DIAERESIS2364  APL FUNCTIONAL SYMBOL JOT DIAERESIS  
= hoot2365  APL FUNCTIONAL SYMBOL CIRCLE DIAERESIS  
= holler2366  APL FUNCTIONAL SYMBOL DOWN SHOE STILE2367  APL FUNCTIONAL SYMBOL LEFT SHOE STILE2368  APL FUNCTIONAL SYMBOL TILDE DIAERESIS  
= smirk2369  APL FUNCTIONAL SYMBOL GREATER-THAN DIAERESIS236A  APL FUNCTIONAL SYMBOL COMMA BAR236B  APL FUNCTIONAL SYMBOL DEL TILDE236C  APL FUNCTIONAL SYMBOL ZILDE236D  APL FUNCTIONAL SYMBOL STILE TILDE236E  APL FUNCTIONAL SYMBOL SEMICOLON UNDERBAR236F  APL FUNCTIONAL SYMBOL QUAD NOT EQUAL2370  APL FUNCTIONAL SYMBOL QUAD QUESTION2371  APL FUNCTIONAL SYMBOL DOWN CARET TILDE2372  APL FUNCTIONAL SYMBOL UP CARET TILDE2373  APL FUNCTIONAL SYMBOL IOTA2374  APL FUNCTIONAL SYMBOL RHO2375  APL FUNCTIONAL SYMBOL OMEGA2376  APL FUNCTIONAL SYMBOL ALPHA UNDERBAR

- 2377 € APL FUNCTIONAL SYMBOL EPSILON UNDERBAR  
 2378 ℓ APL FUNCTIONAL SYMBOL IOTA UNDERBAR  
 2379 Ω APL FUNCTIONAL SYMBOL OMEGA UNDERBAR  
 237A α APL FUNCTIONAL SYMBOL ALPHA

**Graphics for control codes**

- 237B ✓ NOT CHECK MARK  
 • from ISO 2047  
 • symbol for Negative Acknowledge

**Miscellaneous technical**

- 237C ↘ RIGHT ANGLE WITH DOWNWARDS ZIGZAG ARROW

**Graphics for control codes**

- 237D ☐ SHOULDERS OPEN BOX  
 • from ISO 9995-7  
 • keyboard symbol for No Break Space  
 → 2423 ☐ open box
- 237E 🔔 BELL SYMBOL  
 • from ISO 2047
- 237F † VERTICAL LINE WITH MIDDLE DOT  
 • from ISO 2047  
 • symbol for End of Medium

**Keyboard symbols from ISO 9995-7**

- 2380 ↵ INSERTION SYMBOL  
 2381 ≡ CONTINUOUS UNDERLINE SYMBOL  
 2382 ≡≡ DISCONTINUOUS UNDERLINE SYMBOL  
 2383 ≡≡≡ EMPHASIS SYMBOL  
 2384 Ⓞ COMPOSITION SYMBOL  
 2385 ☐ WHITE SQUARE WITH CENTRE VERTICAL LINE  
 = center
- 2386 ↵ ENTER SYMBOL  
 2387 ⌘ ALTERNATIVE KEY SYMBOL  
 2388 ⚙ HELM SYMBOL  
 = control  
 → 2638 ⚙ wheel of dharma
- 2389 ⏸ CIRCLED HORIZONTAL BAR WITH NOTCH  
 = pause
- 238A ⏸ CIRCLED TRIANGLE DOWN  
 = interrupt, break
- 238B ⏸ BROKEN CIRCLE WITH NORTHWEST ARROW  
 = escape
- 238C ↵ UNDO SYMBOL

**Electrotechnical symbols from IR 181**

- 238D ⏸ MONOSTABLE SYMBOL  
 238E ⏸ HYSTERESIS SYMBOL  
 238F ⏸ OPEN-CIRCUIT-OUTPUT H-TYPE SYMBOL  
 2390 ⏸ OPEN-CIRCUIT-OUTPUT L-TYPE SYMBOL  
 2391 ⏸ PASSIVE-PULL-DOWN-OUTPUT SYMBOL  
 2392 ⏸ PASSIVE-PULL-UP-OUTPUT SYMBOL  
 2393 ⏸ DIRECT CURRENT SYMBOL FORM TWO  
 2394 ⏸ SOFTWARE-FUNCTION SYMBOL

**APL**

- 2395 ☐ APL FUNCTIONAL SYMBOL QUAD  
 → 2337 ☐ apl functional symbol squish quad  
 → 25AF ☐ white vertical rectangle

**Keyboard symbols from ISO 9995-7**

- 2396 ⌘ DECIMAL SEPARATOR KEY SYMBOL  
 2397 ⏪ PREVIOUS PAGE  
 2398 ⏩ NEXT PAGE

- 2399 🖨 PRINT SCREEN SYMBOL  
 239A 🗑 CLEAR SCREEN SYMBOL  
 → 20E2 ☐ combining enclosing screen

**Bracket pieces**

- 239B { LEFT PARENTHESIS UPPER HOOK  
 239C { LEFT PARENTHESIS EXTENSION  
 239D { LEFT PARENTHESIS LOWER HOOK  
 239E } RIGHT PARENTHESIS UPPER HOOK  
 239F } RIGHT PARENTHESIS EXTENSION  
 23A0 } RIGHT PARENTHESIS LOWER HOOK  
 23A1 } LEFT SQUARE BRACKET UPPER CORNER  
 23A2 } LEFT SQUARE BRACKET EXTENSION  
 23A3 } LEFT SQUARE BRACKET LOWER CORNER  
 23A4 } RIGHT SQUARE BRACKET UPPER CORNER  
 23A5 } RIGHT SQUARE BRACKET EXTENSION  
 23A6 } RIGHT SQUARE BRACKET LOWER CORNER  
 23A7 } LEFT CURLY BRACKET UPPER HOOK  
 23A8 } LEFT CURLY BRACKET MIDDLE PIECE  
 23A9 } LEFT CURLY BRACKET LOWER HOOK  
 23AA } CURLY BRACKET EXTENSION  
 23AB } RIGHT CURLY BRACKET UPPER HOOK  
 23AC } RIGHT CURLY BRACKET MIDDLE PIECE  
 23AD } RIGHT CURLY BRACKET LOWER HOOK

**Special character extensions**

- 23AE | INTEGRAL EXTENSION  
 → 2320 ∫ top half integral  
 → 2321 ∫ bottom half integral
- 23AF — HORIZONTAL LINE EXTENSION  
 • used for extension of arrows  
 → 23D0 | vertical line extension

**Bracket pieces**

- 23B0 | UPPER LEFT OR LOWER RIGHT CURLY BRACKET SECTION  
 = left moustache
- 23B1 | UPPER RIGHT OR LOWER LEFT CURLY BRACKET SECTION  
 = right moustache

**Summation sign parts**

- 23B2 ∑ SUMMATION TOP  
 23B3 ∑ SUMMATION BOTTOM  
 → 2211 ∑ n-ary summation

**Horizontal brackets**

*These characters are also used as delimiters of vertical text in non-CJK terminal emulation.*

- 23B4 ☐ TOP SQUARE BRACKET  
 → FE47 ☐ presentation form for vertical left square bracket
- 23B5 ☐ BOTTOM SQUARE BRACKET  
 → FE48 ☐ presentation form for vertical right square bracket
- 23B6 ☐ BOTTOM SQUARE BRACKET OVER TOP SQUARE BRACKET  
 • only used for terminal emulation

**Terminal graphic characters**

- 23B7 ↓ RADICAL SYMBOL BOTTOM  
 23B8 | LEFT VERTICAL BOX LINE  
 23B9 | RIGHT VERTICAL BOX LINE

**Scan lines for terminal graphics**

The scan line numbers here refer to old, low-resolution technology for terminals, with only 9 scan lines per fixed-size character glyph. Even-numbered scan lines are unified with box-drawing graphics.

- 23BA - HORIZONTAL SCAN LINE-1
- 23BB - HORIZONTAL SCAN LINE-3
- 23BC - HORIZONTAL SCAN LINE-7
- 23BD - HORIZONTAL SCAN LINE-9

**Dentistry notation symbols**

- 23BE  $\Gamma$  DENTISTRY SYMBOL LIGHT VERTICAL AND TOP RIGHT  
→ 2308  $\Gamma$  left ceiling
- 23BF  $\perp$  DENTISTRY SYMBOL LIGHT VERTICAL AND BOTTOM RIGHT  
→ 230A  $\perp$  left floor
- 23C0  $\Phi$  DENTISTRY SYMBOL LIGHT VERTICAL WITH CIRCLE
- 23C1  $\Phi$  DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL WITH CIRCLE
- 23C2  $\Phi$  DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL WITH CIRCLE
- 23C3  $\Delta$  DENTISTRY SYMBOL LIGHT VERTICAL WITH TRIANGLE
- 23C4  $\Delta$  DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL WITH TRIANGLE
- 23C5  $\Delta$  DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL WITH TRIANGLE
- 23C6  $\nabla$  DENTISTRY SYMBOL LIGHT VERTICAL AND WAVE
- 23C7  $\nabla$  DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL WITH WAVE
- 23C8  $\nabla$  DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL WITH WAVE
- 23C9  $\top$  DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL  
→ 22A4  $\top$  down tack  
→ 252C  $\top$  box drawings light down and horizontal
- 23CA  $\perp$  DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL  
→ 22A5  $\perp$  up tack  
→ 2534  $\perp$  box drawings light up and horizontal
- 23CB  $\lrcorner$  DENTISTRY SYMBOL LIGHT VERTICAL AND TOP LEFT  
→ 2309  $\lrcorner$  right ceiling
- 23CC  $\llcorner$  DENTISTRY SYMBOL LIGHT VERTICAL AND BOTTOM LEFT  
→ 230B  $\llcorner$  right floor

**Miscellaneous technical**

- 23CD  $\square$  SQUARE FOOT

**Keyboard and UI symbols**

- 23CE  $\Downarrow$  RETURN SYMBOL
  - may be shown with either hollow or filled glyph
  - 21B5  $\Downarrow$  downwards arrow with corner leftwards
- 23CF  $\blacktriangle$  EJECT SYMBOL
  - UI symbol to eject media

**Special character extension**

- 23D0  $|$  VERTICAL LINE EXTENSION
  - used for extension of arrows
  - 23AF  $—$  horizontal line extension

**Metrical symbols**

- 23D1  $\smile$  METRICAL BREVE
- 23D2  $\supset$  METRICAL LONG OVER SHORT
- 23D3  $\supsetneq$  METRICAL SHORT OVER LONG
- 23D4  $\supsetneq$  METRICAL LONG OVER TWO SHORTS
- 23D5  $\supsetneq$  METRICAL TWO SHORTS OVER LONG
- 23D6  $\supsetneq$  METRICAL TWO SHORTS JOINED
- 23D7  $\lrcorner$  METRICAL TRISEME  
→ 1D242  $\lrcorner$  combining greek musical triseme
- 23D8  $\llcorner$  METRICAL TETRASEME  
→ 1D243  $\llcorner$  combining greek musical tetraseme
- 23D9  $\llcorner$  METRICAL PENTASEME  
→ 1D244  $\llcorner$  combining greek musical pentaseme

**Electrotechnical symbols**

- 23DA  $\perp$  EARTH GROUND
- 23DB  $\boxplus$  FUSE

**Horizontal brackets**

These are intended for bracketing terms of mathematical expressions where their glyph extends to accommodate the width of the bracketed expression

- 23DC  $\frown$  TOP PARENTHESIS  
→ FE35  $\frown$  presentation form for vertical left parenthesis
- 23DD  $\smile$  BOTTOM PARENTHESIS  
→ FE36  $\smile$  presentation form for vertical right parenthesis
- 23DE  $\frown$  TOP CURLY BRACKET  
→ FE37  $\frown$  presentation form for vertical left curly bracket
- 23DF  $\smile$  BOTTOM CURLY BRACKET  
→ FE38  $\smile$  presentation form for vertical right curly bracket
- 23E0  $\frown$  TOP TORTOISE SHELL BRACKET  
→ FE39  $\frown$  presentation form for vertical left tortoise shell bracket
- 23E1  $\smile$  BOTTOM TORTOISE SHELL BRACKET  
→ FE3A  $\smile$  presentation form for vertical right tortoise shell bracket

**Miscellaneous technical**

- 23E2  $\square$  WHITE TRAPEZIUM

**Chemistry symbol**

- 23E3  $\bigcirc$  BENZENE RING WITH CIRCLE

**Miscellaneous technical**

- 23E4  $—$  STRAIGHTNESS
- 23E5  $\square$  FLATNESS
- 23E6  $\sim$  AC CURRENT
- 23E7  $\times$  ELECTRICAL INTERSECTION
- 23E8  $10$  DECIMAL EXPONENT SYMBOL
  - Algol-60 token for scientific notation literals



	240	241	242	243
0	$N_{UL}$ 2400	$D_{LE}$ 2410	$S_P$ 2420	
1	$S_{OH}$ 2401	$D_{C_1}$ 2411	$D_{EL}$ 2421	
2	$S_{TX}$ 2402	$D_{C_2}$ 2412	<b>b</b> 2422	
3	$E_{TX}$ 2403	$D_{C_3}$ 2413	$\sqcup$ 2423	
4	$E_{OT}$ 2404	$D_{C_4}$ 2414	$N_L$ 2424	
5	$E_{NQ}$ 2405	$N_{AK}$ 2415	$\parallel$ 2425	
6	$A_{CK}$ 2406	$S_{YN}$ 2416	$\text{؟}$ 2426	
7	$B_{EL}$ 2407	$E_{TB}$ 2417		
8	$B_S$ 2408	$C_{AN}$ 2418		
9	$H_T$ 2409	$E_M$ 2419		
A	$L_F$ 240A	$S_{UB}$ 241A		
B	$V_T$ 240B	$E_{SC}$ 241B		
C	$F_F$ 240C	$F_S$ 241C		
D	$C_R$ 240D	$G_S$ 241D		
E	$S_S$ 240E	$R_S$ 241E		
F	$S_I$ 240F	$U_S$ 241F		

The diagonal lettering glyphs are only exemplary; alternate representations may be, and often are used in the visible display of control codes.

#### Graphic pictures for control codes

2400	$N_{UL}$	SYMBOL FOR NULL
2401	$S_{OH}$	SYMBOL FOR START OF HEADING
2402	$S_{TX}$	SYMBOL FOR START OF TEXT
2403	$E_{TX}$	SYMBOL FOR END OF TEXT
2404	$E_{OT}$	SYMBOL FOR END OF TRANSMISSION
2405	$E_{NQ}$	SYMBOL FOR ENQUIRY
2406	$A_{CK}$	SYMBOL FOR ACKNOWLEDGE
2407	$B_{EL}$	SYMBOL FOR BELL
2408	$B_S$	SYMBOL FOR BACKSPACE
2409	$H_T$	SYMBOL FOR HORIZONTAL TABULATION
240A	$L_F$	SYMBOL FOR LINE FEED
240B	$V_T$	SYMBOL FOR VERTICAL TABULATION
240C	$F_F$	SYMBOL FOR FORM FEED
240D	$C_R$	SYMBOL FOR CARRIAGE RETURN
240E	$S_S$	SYMBOL FOR SHIFT OUT
240F	$S_I$	SYMBOL FOR SHIFT IN
2410	$D_{LE}$	SYMBOL FOR DATA LINK ESCAPE
2411	$D_{C_1}$	SYMBOL FOR DEVICE CONTROL ONE
2412	$D_{C_2}$	SYMBOL FOR DEVICE CONTROL TWO
2413	$D_{C_3}$	SYMBOL FOR DEVICE CONTROL THREE
2414	$D_{C_4}$	SYMBOL FOR DEVICE CONTROL FOUR
2415	$N_{AK}$	SYMBOL FOR NEGATIVE ACKNOWLEDGE
2416	$S_{YN}$	SYMBOL FOR SYNCHRONOUS IDLE
2417	$E_{TB}$	SYMBOL FOR END OF TRANSMISSION BLOCK
2418	$C_{AN}$	SYMBOL FOR CANCEL
2419	$E_M$	SYMBOL FOR END OF MEDIUM
241A	$S_{UB}$	SYMBOL FOR SUBSTITUTE
241B	$E_{SC}$	SYMBOL FOR ESCAPE
241C	$F_S$	SYMBOL FOR FILE SEPARATOR
241D	$G_S$	SYMBOL FOR GROUP SEPARATOR
241E	$R_S$	SYMBOL FOR RECORD SEPARATOR
241F	$U_S$	SYMBOL FOR UNIT SEPARATOR
2420	$S_P$	SYMBOL FOR SPACE
2421	$D_{EL}$	SYMBOL FOR DELETE

#### Specific symbols for space

2422	<b>b</b>	BLANK SYMBOL
		• graphic for space
		→ 0180 <b>b</b> latin small letter b with stroke
2423	$\sqcup$	OPEN BOX
		• graphic for space
		→ 2334 $\sqcup$ counterbore

#### Graphic picture for control code


















2424	$N_L$	SYMBOL FOR NEWLINE
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#### Keyboard symbol













2425	$\parallel$	SYMBOL FOR DELETE FORM TWO
		• from ISO 9995-7
		• keyboard symbol for undoable delete

#### Specific symbol for control code

2426	$\text{؟}$	SYMBOL FOR SUBSTITUTE FORM TWO
		• from ISO 2047
		→ 061F $\text{؟}$ arabic question mark

	244	245
0	 2440	
1	 2441	
2	 2442	
3	 2443	
4	 2444	
5	 2445	
6	 2446	
7	 2447	
8	 2448	
9	 2449	
A	 244A	
B		
C		
D		
E		
F		

**OCR**

- 2440  OCR HOOK
- 2441  OCR CHAIR
- 2442  OCR FORK
- 2443  OCR INVERTED FORK
- 2444  OCR BELT BUCKLE
- 2445  OCR BOW TIE  
→ 22C8  bowtie
- 2446  OCR BRANCH BANK IDENTIFICATION  
= transit
- 2447  OCR AMOUNT OF CHECK
- 2448  OCR DASH  
= on us
- 2449  OCR CUSTOMER ACCOUNT NUMBER  
= dash
- 244A  OCR DOUBLE BACKSLASH

	246	247	248	249	24A	24B	24C	24D	24E	24F
0	① 2460	⑰ 2470	(13) 2480	9. 2490	(e) 24A0	(u) 24B0	Ⓚ 24C0	ⓐ 24D0	Ⓠ 24E0	⑯ 24F0
1	② 2461	⑱ 2471	(14) 2481	10. 2491	(f) 24A1	(v) 24B1	Ⓛ 24C1	ⓑ 24D1	Ⓡ 24E1	⑰ 24F1
2	③ 2462	⑲ 2472	(15) 2482	11. 2492	(g) 24A2	(w) 24B2	Ⓜ 24C2	ⓒ 24D2	Ⓢ 24E2	⑱ 24F2
3	④ 2463	⑳ 2473	(16) 2483	12. 2493	(h) 24A3	(x) 24B3	Ⓝ 24C3	ⓓ 24D3	Ⓣ 24E3	⑲ 24F3
4	⑤ 2464	(1) 2474	(17) 2484	13. 2494	(i) 24A4	(y) 24B4	Ⓞ 24C4	ⓔ 24D4	Ⓤ 24E4	⑳ 24F4
5	⑥ 2465	(2) 2475	(18) 2485	14. 2495	(j) 24A5	(z) 24B5	Ⓟ 24C5	ⓕ 24D5	Ⓡ 24E5	① 24F5
6	⑦ 2466	(3) 2476	(19) 2486	15. 2496	(k) 24A6	Ⓐ 24B6	Ⓠ 24C6	ⓖ 24D6	Ⓦ 24E6	② 24F6
7	⑧ 2467	(4) 2477	(20) 2487	16. 2497	(l) 24A7	Ⓑ 24B7	Ⓡ 24C7	ⓗ 24D7	Ⓧ 24E7	③ 24F7
8	⑨ 2468	(5) 2478	1. 2488	17. 2498	(m) 24A8	Ⓒ 24B8	Ⓢ 24C8	Ⓨ 24D8	Ⓩ 24E8	④ 24F8
9	⑩ 2469	(6) 2479	2. 2489	18. 2499	(n) 24A9	Ⓓ 24B9	Ⓣ 24C9	Ⓩ 24D9	Ⓨ 24E9	⑤ 24F9
A	⑪ 246A	(7) 247A	3. 248A	19. 249A	(o) 24AA	Ⓔ 24BA	Ⓤ 24CA	Ⓚ 24DA	ⓐ 24EA	⑥ 24FA
B	⑫ 246B	(8) 247B	4. 248B	20. 249B	(p) 24AB	Ⓕ 24BB	Ⓡ 24CB	Ⓛ 24DB	⑪ 24EB	⑦ 24FB
C	⑬ 246C	(9) 247C	5. 248C	(a) 249C	(q) 24AC	Ⓖ 24BC	Ⓦ 24CC	Ⓜ 24DC	⑫ 24EC	⑧ 24FC
D	⑭ 246D	(10) 247D	6. 248D	(b) 249D	(r) 24AD	Ⓗ 24BD	Ⓧ 24CD	Ⓝ 24DD	⑬ 24ED	⑨ 24FD
E	⑮ 246E	(11) 247E	7. 248E	(c) 249E	(s) 24AE	Ⓘ 24BE	Ⓨ 24CE	Ⓞ 24DE	⑭ 24EE	⑩ 24FE
F	⑯ 246F	(12) 247F	8. 248F	(d) 249F	(t) 24AF	Ⓙ 24BF	Ⓩ 24CF	Ⓟ 24DF	⑮ 24EF	⑰ 24FF

**Circled numbers**

2460	①	CIRCLED DIGIT ONE ≈ <circle> 0031 1
2461	②	CIRCLED DIGIT TWO ≈ <circle> 0032 2
2462	③	CIRCLED DIGIT THREE ≈ <circle> 0033 3
2463	④	CIRCLED DIGIT FOUR ≈ <circle> 0034 4
2464	⑤	CIRCLED DIGIT FIVE ≈ <circle> 0035 5
2465	⑥	CIRCLED DIGIT SIX ≈ <circle> 0036 6
2466	⑦	CIRCLED DIGIT SEVEN ≈ <circle> 0037 7
2467	⑧	CIRCLED DIGIT EIGHT ≈ <circle> 0038 8
2468	⑨	CIRCLED DIGIT NINE ≈ <circle> 0039 9
2469	⑩	CIRCLED NUMBER TEN ≈ <circle> 0031 1 0030 0
246A	⑪	CIRCLED NUMBER ELEVEN ≈ <circle> 0031 1 0031 1
246B	⑫	CIRCLED NUMBER TWELVE ≈ <circle> 0031 1 0032 2
246C	⑬	CIRCLED NUMBER THIRTEEN ≈ <circle> 0031 1 0033 3
246D	⑭	CIRCLED NUMBER FOURTEEN ≈ <circle> 0031 1 0034 4
246E	⑮	CIRCLED NUMBER FIFTEEN ≈ <circle> 0031 1 0035 5
246F	⑯	CIRCLED NUMBER SIXTEEN ≈ <circle> 0031 1 0036 6
2470	⑰	CIRCLED NUMBER SEVENTEEN ≈ <circle> 0031 1 0037 7
2471	⑱	CIRCLED NUMBER EIGHTEEN ≈ <circle> 0031 1 0038 8
2472	⑲	CIRCLED NUMBER NINETEEN ≈ <circle> 0031 1 0039 9
2473	⑳	CIRCLED NUMBER TWENTY ≈ <circle> 0032 2 0030 0

**Parenthesized numbers**

2474	(1)	PARENTHESIZED DIGIT ONE ≈ 0028 ( 0031 1 0029 )
2475	(2)	PARENTHESIZED DIGIT TWO ≈ 0028 ( 0032 2 0029 )
2476	(3)	PARENTHESIZED DIGIT THREE ≈ 0028 ( 0033 3 0029 )
2477	(4)	PARENTHESIZED DIGIT FOUR ≈ 0028 ( 0034 4 0029 )
2478	(5)	PARENTHESIZED DIGIT FIVE ≈ 0028 ( 0035 5 0029 )
2479	(6)	PARENTHESIZED DIGIT SIX ≈ 0028 ( 0036 6 0029 )
247A	(7)	PARENTHESIZED DIGIT SEVEN ≈ 0028 ( 0037 7 0029 )
247B	(8)	PARENTHESIZED DIGIT EIGHT ≈ 0028 ( 0038 8 0029 )
247C	(9)	PARENTHESIZED DIGIT NINE ≈ 0028 ( 0039 9 0029 )

247D	(10)	PARENTHESIZED NUMBER TEN ≈ 0028 ( 0031 1 0030 0 0029 )
247E	(11)	PARENTHESIZED NUMBER ELEVEN ≈ 0028 ( 0031 1 0031 1 0029 )
247F	(12)	PARENTHESIZED NUMBER TWELVE ≈ 0028 ( 0031 1 0032 2 0029 )
2480	(13)	PARENTHESIZED NUMBER THIRTEEN ≈ 0028 ( 0031 1 0033 3 0029 )
2481	(14)	PARENTHESIZED NUMBER FOURTEEN ≈ 0028 ( 0031 1 0034 4 0029 )
2482	(15)	PARENTHESIZED NUMBER FIFTEEN ≈ 0028 ( 0031 1 0035 5 0029 )
2483	(16)	PARENTHESIZED NUMBER SIXTEEN ≈ 0028 ( 0031 1 0036 6 0029 )
2484	(17)	PARENTHESIZED NUMBER SEVENTEEN ≈ 0028 ( 0031 1 0037 7 0029 )
2485	(18)	PARENTHESIZED NUMBER EIGHTEEN ≈ 0028 ( 0031 1 0038 8 0029 )
2486	(19)	PARENTHESIZED NUMBER NINETEEN ≈ 0028 ( 0031 1 0039 9 0029 )
2487	(20)	PARENTHESIZED NUMBER TWENTY ≈ 0028 ( 0032 2 0030 0 0029 )

**Numbers period**

*See also similar symbols starting at U+1F100.*

2488	1.	DIGIT ONE FULL STOP ≈ 0031 1 002E .
2489	2.	DIGIT TWO FULL STOP ≈ 0032 2 002E .
248A	3.	DIGIT THREE FULL STOP ≈ 0033 3 002E .
248B	4.	DIGIT FOUR FULL STOP ≈ 0034 4 002E .
248C	5.	DIGIT FIVE FULL STOP ≈ 0035 5 002E .
248D	6.	DIGIT SIX FULL STOP ≈ 0036 6 002E .
248E	7.	DIGIT SEVEN FULL STOP ≈ 0037 7 002E .
248F	8.	DIGIT EIGHT FULL STOP ≈ 0038 8 002E .
2490	9.	DIGIT NINE FULL STOP ≈ 0039 9 002E .
2491	10.	NUMBER TEN FULL STOP ≈ 0031 1 0030 0 002E .
2492	11.	NUMBER ELEVEN FULL STOP ≈ 0031 1 0031 1 002E .
2493	12.	NUMBER TWELVE FULL STOP ≈ 0031 1 0032 2 002E .
2494	13.	NUMBER THIRTEEN FULL STOP ≈ 0031 1 0033 3 002E .
2495	14.	NUMBER FOURTEEN FULL STOP ≈ 0031 1 0034 4 002E .
2496	15.	NUMBER FIFTEEN FULL STOP ≈ 0031 1 0035 5 002E .
2497	16.	NUMBER SIXTEEN FULL STOP ≈ 0031 1 0036 6 002E .
2498	17.	NUMBER SEVENTEEN FULL STOP ≈ 0031 1 0037 7 002E .
2499	18.	NUMBER EIGHTEEN FULL STOP ≈ 0031 1 0038 8 002E .

- 249A 19 NUMBER NINETEEN FULL STOP  
≈ 0031 1 0039 9 002E .
- 249B 20 NUMBER TWENTY FULL STOP  
≈ 0032 2 0030 0 002E .

**Parenthesized Latin letters**

*See also the uppercase set starting at U+1F100.*

- 249C (a) PARENTHESIZED LATIN SMALL LETTER A  
≈ 0028 ( 0061 a 0029 )
- 249D (b) PARENTHESIZED LATIN SMALL LETTER B  
≈ 0028 ( 0062 b 0029 )
- 249E (c) PARENTHESIZED LATIN SMALL LETTER C  
≈ 0028 ( 0063 c 0029 )
- 249F (d) PARENTHESIZED LATIN SMALL LETTER D  
≈ 0028 ( 0064 d 0029 )
- 24A0 (e) PARENTHESIZED LATIN SMALL LETTER E  
≈ 0028 ( 0065 e 0029 )
- 24A1 (f) PARENTHESIZED LATIN SMALL LETTER F  
≈ 0028 ( 0066 f 0029 )
- 24A2 (g) PARENTHESIZED LATIN SMALL LETTER G  
≈ 0028 ( 0067 g 0029 )
- 24A3 (h) PARENTHESIZED LATIN SMALL LETTER H  
≈ 0028 ( 0068 h 0029 )
- 24A4 (i) PARENTHESIZED LATIN SMALL LETTER I  
≈ 0028 ( 0069 i 0029 )
- 24A5 (j) PARENTHESIZED LATIN SMALL LETTER J  
≈ 0028 ( 006A j 0029 )
- 24A6 (k) PARENTHESIZED LATIN SMALL LETTER K  
≈ 0028 ( 006B k 0029 )
- 24A7 (l) PARENTHESIZED LATIN SMALL LETTER L  
≈ 0028 ( 006C l 0029 )
- 24A8 (m) PARENTHESIZED LATIN SMALL LETTER M  
≈ 0028 ( 006D m 0029 )
- 24A9 (n) PARENTHESIZED LATIN SMALL LETTER N  
≈ 0028 ( 006E n 0029 )
- 24AA (o) PARENTHESIZED LATIN SMALL LETTER O  
≈ 0028 ( 006F o 0029 )
- 24AB (p) PARENTHESIZED LATIN SMALL LETTER P  
≈ 0028 ( 0070 p 0029 )
- 24AC (q) PARENTHESIZED LATIN SMALL LETTER Q  
≈ 0028 ( 0071 q 0029 )
- 24AD (r) PARENTHESIZED LATIN SMALL LETTER R  
≈ 0028 ( 0072 r 0029 )
- 24AE (s) PARENTHESIZED LATIN SMALL LETTER S  
≈ 0028 ( 0073 s 0029 )
- 24AF (t) PARENTHESIZED LATIN SMALL LETTER T  
≈ 0028 ( 0074 t 0029 )
- 24B0 (u) PARENTHESIZED LATIN SMALL LETTER U  
≈ 0028 ( 0075 u 0029 )
- 24B1 (v) PARENTHESIZED LATIN SMALL LETTER V  
≈ 0028 ( 0076 v 0029 )
- 24B2 (w) PARENTHESIZED LATIN SMALL LETTER W  
≈ 0028 ( 0077 w 0029 )
- 24B3 (x) PARENTHESIZED LATIN SMALL LETTER X  
≈ 0028 ( 0078 x 0029 )
- 24B4 (y) PARENTHESIZED LATIN SMALL LETTER Y  
≈ 0028 ( 0079 y 0029 )
- 24B5 (z) PARENTHESIZED LATIN SMALL LETTER Z  
≈ 0028 ( 007A z 0029 )

**Circled Latin letters**

- 24B6 (A) CIRCLED LATIN CAPITAL LETTER A  
≈ <circle> 0041 A

- 24B7 (B) CIRCLED LATIN CAPITAL LETTER B  
≈ <circle> 0042 B
- 24B8 (C) CIRCLED LATIN CAPITAL LETTER C  
→ 00A9 © copyright sign  
≈ <circle> 0043 C
- 24B9 (D) CIRCLED LATIN CAPITAL LETTER D  
≈ <circle> 0044 D
- 24BA (E) CIRCLED LATIN CAPITAL LETTER E  
≈ <circle> 0045 E
- 24BB (F) CIRCLED LATIN CAPITAL LETTER F  
≈ <circle> 0046 F
- 24BC (G) CIRCLED LATIN CAPITAL LETTER G  
≈ <circle> 0047 G
- 24BD (H) CIRCLED LATIN CAPITAL LETTER H  
≈ <circle> 0048 H
- 24BE (I) CIRCLED LATIN CAPITAL LETTER I  
≈ <circle> 0049 I
- 24BF (J) CIRCLED LATIN CAPITAL LETTER J  
≈ <circle> 004A J
- 24C0 (K) CIRCLED LATIN CAPITAL LETTER K  
≈ <circle> 004B K
- 24C1 (L) CIRCLED LATIN CAPITAL LETTER L  
≈ <circle> 004C L
- 24C2 (M) CIRCLED LATIN CAPITAL LETTER M  
≈ <circle> 004D M
- 24C3 (N) CIRCLED LATIN CAPITAL LETTER N  
≈ <circle> 004E N
- 24C4 (O) CIRCLED LATIN CAPITAL LETTER O  
≈ <circle> 004F O
- 24C5 (P) CIRCLED LATIN CAPITAL LETTER P  
→ 2117 ℙ sound recording copyright  
≈ <circle> 0050 P
- 24C6 (Q) CIRCLED LATIN CAPITAL LETTER Q  
≈ <circle> 0051 Q
- 24C7 (R) CIRCLED LATIN CAPITAL LETTER R  
→ 00AE ® registered sign  
≈ <circle> 0052 R
- 24C8 (S) CIRCLED LATIN CAPITAL LETTER S  
≈ <circle> 0053 S
- 24C9 (T) CIRCLED LATIN CAPITAL LETTER T  
≈ <circle> 0054 T
- 24CA (U) CIRCLED LATIN CAPITAL LETTER U  
≈ <circle> 0055 U
- 24CB (V) CIRCLED LATIN CAPITAL LETTER V  
≈ <circle> 0056 V
- 24CC (W) CIRCLED LATIN CAPITAL LETTER W  
≈ <circle> 0057 W
- 24CD (X) CIRCLED LATIN CAPITAL LETTER X  
≈ <circle> 0058 X
- 24CE (Y) CIRCLED LATIN CAPITAL LETTER Y  
≈ <circle> 0059 Y
- 24CF (Z) CIRCLED LATIN CAPITAL LETTER Z  
≈ <circle> 005A Z
- 24D0 (a) CIRCLED LATIN SMALL LETTER A  
≈ <circle> 0061 a
- 24D1 (b) CIRCLED LATIN SMALL LETTER B  
≈ <circle> 0062 b
- 24D2 (c) CIRCLED LATIN SMALL LETTER C  
≈ <circle> 0063 c
- 24D3 (d) CIRCLED LATIN SMALL LETTER D  
≈ <circle> 0064 d

24D4	Ⓔ	CIRCLED LATIN SMALL LETTER E ≈ <circle> 0065 e
24D5	Ⓕ	CIRCLED LATIN SMALL LETTER F ≈ <circle> 0066 f
24D6	Ⓖ	CIRCLED LATIN SMALL LETTER G ≈ <circle> 0067 g
24D7	Ⓖ	CIRCLED LATIN SMALL LETTER H ≈ <circle> 0068 h
24D8	Ⓖ	CIRCLED LATIN SMALL LETTER I ≈ <circle> 0069 i
24D9	Ⓖ	CIRCLED LATIN SMALL LETTER J ≈ <circle> 006A j
24DA	Ⓖ	CIRCLED LATIN SMALL LETTER K ≈ <circle> 006B k
24DB	Ⓖ	CIRCLED LATIN SMALL LETTER L ≈ <circle> 006C l
24DC	Ⓖ	CIRCLED LATIN SMALL LETTER M ≈ <circle> 006D m
24DD	Ⓖ	CIRCLED LATIN SMALL LETTER N ≈ <circle> 006E n
24DE	Ⓖ	CIRCLED LATIN SMALL LETTER O ≈ <circle> 006F o
24DF	Ⓖ	CIRCLED LATIN SMALL LETTER P ≈ <circle> 0070 p
24E0	Ⓖ	CIRCLED LATIN SMALL LETTER Q ≈ <circle> 0071 q
24E1	Ⓖ	CIRCLED LATIN SMALL LETTER R ≈ <circle> 0072 r
24E2	Ⓖ	CIRCLED LATIN SMALL LETTER S ≈ <circle> 0073 s
24E3	Ⓖ	CIRCLED LATIN SMALL LETTER T ≈ <circle> 0074 t
24E4	Ⓖ	CIRCLED LATIN SMALL LETTER U ≈ <circle> 0075 u
24E5	Ⓖ	CIRCLED LATIN SMALL LETTER V ≈ <circle> 0076 v
24E6	Ⓖ	CIRCLED LATIN SMALL LETTER W ≈ <circle> 0077 w
24E7	Ⓖ	CIRCLED LATIN SMALL LETTER X ≈ <circle> 0078 x
24E8	Ⓖ	CIRCLED LATIN SMALL LETTER Y ≈ <circle> 0079 y
24E9	Ⓖ	CIRCLED LATIN SMALL LETTER Z ≈ <circle> 007A z

**Additional circled number**

24EA	Ⓖ	CIRCLED DIGIT ZERO ≈ <circle> 0030 0
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**White on black circled numbers**

24EB	Ⓖ	NEGATIVE CIRCLED NUMBER ELEVEN
24EC	Ⓖ	NEGATIVE CIRCLED NUMBER TWELVE
24ED	Ⓖ	NEGATIVE CIRCLED NUMBER THIRTEEN
24EE	Ⓖ	NEGATIVE CIRCLED NUMBER FOURTEEN
24EF	Ⓖ	NEGATIVE CIRCLED NUMBER FIFTEEN
24F0	Ⓖ	NEGATIVE CIRCLED NUMBER SIXTEEN
24F1	Ⓖ	NEGATIVE CIRCLED NUMBER SEVENTEEN
24F2	Ⓖ	NEGATIVE CIRCLED NUMBER EIGHTEEN
24F3	Ⓖ	NEGATIVE CIRCLED NUMBER NINETEEN
24F4	Ⓖ	NEGATIVE CIRCLED NUMBER TWENTY

**Double circled numbers**

24F5	Ⓖ	DOUBLE CIRCLED DIGIT ONE
------	---	--------------------------

24F6	Ⓖ	DOUBLE CIRCLED DIGIT TWO
24F7	Ⓖ	DOUBLE CIRCLED DIGIT THREE
24F8	Ⓖ	DOUBLE CIRCLED DIGIT FOUR
24F9	Ⓖ	DOUBLE CIRCLED DIGIT FIVE
24FA	Ⓖ	DOUBLE CIRCLED DIGIT SIX
24FB	Ⓖ	DOUBLE CIRCLED DIGIT SEVEN
24FC	Ⓖ	DOUBLE CIRCLED DIGIT EIGHT
24FD	Ⓖ	DOUBLE CIRCLED DIGIT NINE
24FE	Ⓖ	DOUBLE CIRCLED NUMBER TEN

**Additional white on black circled number**

24FF	Ⓖ	NEGATIVE CIRCLED DIGIT ZERO → 2776 Ⓖ dingbat negative circled digit one
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


























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2	2502	2512	2522	2532	2542	2552	2562	2572
3	2503	2513	2523	2533	2543	2553	2563	2573
4	2504	2514	2524	2534	2544	2554	2564	2574
5	2505	2515	2525	2535	2545	2555	2565	2575
6	2506	2516	2526	2536	2546	2556	2566	2576
7	2507	2517	2527	2537	2547	2557	2567	2577
8	2508	2518	2528	2538	2548	2558	2568	2578
9	2509	2519	2529	2539	2549	2559	2569	2579
A	250A	251A	252A	253A	254A	255A	256A	257A
B	250B	251B	252B	253B	254B	255B	256B	257B
C	250C	251C	252C	253C	254C	255C	256C	257C
D	250D	251D	252D	253D	254D	255D	256D	257D
E	250E	251E	252E	253E	254E	255E	256E	257E
F	250F	251F	252F	253F	254F	255F	256F	257F

**Form and chart components**



















2500	—	BOX DRAWINGS LIGHT HORIZONTAL = Videotex Mosaic DG 15	2525	┌	BOX DRAWINGS VERTICAL LIGHT AND LEFT HEAVY = Videotex Mosaic DG 04
2501	—	BOX DRAWINGS HEAVY HORIZONTAL	2526	┌	BOX DRAWINGS UP HEAVY AND LEFT DOWN LIGHT
2502		BOX DRAWINGS LIGHT VERTICAL = Videotex Mosaic DG 14	2527	┌	BOX DRAWINGS DOWN HEAVY AND LEFT UP LIGHT
2503		BOX DRAWINGS HEAVY VERTICAL	2528	┌	BOX DRAWINGS VERTICAL HEAVY AND LEFT LIGHT
2504	---	BOX DRAWINGS LIGHT TRIPLE DASH HORIZONTAL	2529	┌	BOX DRAWINGS DOWN LIGHT AND LEFT UP HEAVY
2505	---	BOX DRAWINGS HEAVY TRIPLE DASH HORIZONTAL	252A	┌	BOX DRAWINGS UP LIGHT AND LEFT DOWN HEAVY
2506	---	BOX DRAWINGS LIGHT TRIPLE DASH VERTICAL	252B	┌	BOX DRAWINGS HEAVY VERTICAL AND LEFT
2507	---	BOX DRAWINGS HEAVY TRIPLE DASH VERTICAL	252C	┌	BOX DRAWINGS LIGHT DOWN AND HORIZONTAL = Videotex Mosaic DG 22
2508	----	BOX DRAWINGS LIGHT QUADRUPLE DASH HORIZONTAL	252D	┌	BOX DRAWINGS LEFT HEAVY AND RIGHT DOWN LIGHT
2509	----	BOX DRAWINGS HEAVY QUADRUPLE DASH HORIZONTAL	252E	┌	BOX DRAWINGS RIGHT HEAVY AND LEFT DOWN LIGHT
250A	----	BOX DRAWINGS LIGHT QUADRUPLE DASH VERTICAL	252F	┌	BOX DRAWINGS DOWN LIGHT AND HORIZONTAL HEAVY = Videotex Mosaic DG 02
250B	----	BOX DRAWINGS HEAVY QUADRUPLE DASH VERTICAL	2530	┌	BOX DRAWINGS DOWN HEAVY AND HORIZONTAL LIGHT
250C	┌	BOX DRAWINGS LIGHT DOWN AND RIGHT = Videotex Mosaic DG 16	2531	┌	BOX DRAWINGS RIGHT LIGHT AND LEFT DOWN HEAVY
250D	┌	BOX DRAWINGS DOWN LIGHT AND RIGHT HEAVY	2532	┌	BOX DRAWINGS LEFT LIGHT AND RIGHT DOWN HEAVY
250E	┌	BOX DRAWINGS DOWN HEAVY AND RIGHT LIGHT	2533	┌	BOX DRAWINGS HEAVY DOWN AND HORIZONTAL
250F	┌	BOX DRAWINGS HEAVY DOWN AND RIGHT	2534	┌	BOX DRAWINGS LIGHT UP AND HORIZONTAL = Videotex Mosaic DG 23
2510	┌	BOX DRAWINGS LIGHT DOWN AND LEFT = Videotex Mosaic DG 17	2535	┌	BOX DRAWINGS LEFT HEAVY AND RIGHT UP LIGHT
2511	┌	BOX DRAWINGS DOWN LIGHT AND LEFT HEAVY	2536	┌	BOX DRAWINGS RIGHT HEAVY AND LEFT UP LIGHT
2512	┌	BOX DRAWINGS DOWN HEAVY AND LEFT LIGHT	2537	┌	BOX DRAWINGS UP LIGHT AND HORIZONTAL HEAVY = Videotex Mosaic DG 01
2513	┌	BOX DRAWINGS HEAVY DOWN AND LEFT	2538	┌	BOX DRAWINGS UP HEAVY AND HORIZONTAL LIGHT
2514	┌	BOX DRAWINGS LIGHT UP AND RIGHT = Videotex Mosaic DG 18	2539	┌	BOX DRAWINGS RIGHT LIGHT AND LEFT UP HEAVY
2515	┌	BOX DRAWINGS UP LIGHT AND RIGHT HEAVY	253A	┌	BOX DRAWINGS LEFT LIGHT AND RIGHT UP HEAVY
2516	┌	BOX DRAWINGS UP HEAVY AND RIGHT LIGHT	253B	┌	BOX DRAWINGS HEAVY UP AND HORIZONTAL
2517	┌	BOX DRAWINGS HEAVY UP AND RIGHT	253C	┌	BOX DRAWINGS LIGHT VERTICAL AND HORIZONTAL = Videotex Mosaic DG 24
2518	┌	BOX DRAWINGS LIGHT UP AND LEFT = Videotex Mosaic DG 19	253D	┌	BOX DRAWINGS LEFT HEAVY AND RIGHT VERTICAL LIGHT
2519	┌	BOX DRAWINGS UP LIGHT AND LEFT HEAVY	253E	┌	BOX DRAWINGS RIGHT HEAVY AND LEFT VERTICAL LIGHT
251A	┌	BOX DRAWINGS UP HEAVY AND LEFT LIGHT	253F	┌	BOX DRAWINGS VERTICAL LIGHT AND HORIZONTAL HEAVY = Videotex Mosaic DG 13
251B	┌	BOX DRAWINGS HEAVY UP AND LEFT	2540	┌	BOX DRAWINGS UP HEAVY AND DOWN HORIZONTAL LIGHT
251C	┌	BOX DRAWINGS LIGHT VERTICAL AND RIGHT = Videotex Mosaic DG 20	2541	┌	BOX DRAWINGS DOWN HEAVY AND UP HORIZONTAL LIGHT
251D	┌	BOX DRAWINGS VERTICAL LIGHT AND RIGHT HEAVY = Videotex Mosaic DG 03	2542	┌	BOX DRAWINGS VERTICAL HEAVY AND HORIZONTAL LIGHT
251E	┌	BOX DRAWINGS UP HEAVY AND RIGHT DOWN LIGHT	2543	┌	BOX DRAWINGS LEFT UP HEAVY AND RIGHT DOWN LIGHT
251F	┌	BOX DRAWINGS DOWN HEAVY AND RIGHT UP LIGHT			
2520	┌	BOX DRAWINGS VERTICAL HEAVY AND RIGHT LIGHT			
2521	┌	BOX DRAWINGS DOWN LIGHT AND RIGHT UP HEAVY			
2522	┌	BOX DRAWINGS UP LIGHT AND RIGHT DOWN HEAVY			
2523	┌	BOX DRAWINGS HEAVY VERTICAL AND RIGHT			
2524	┌	BOX DRAWINGS LIGHT VERTICAL AND LEFT = Videotex Mosaic DG 21			






2544	†	BOX DRAWINGS RIGHT UP HEAVY AND LEFT DOWN LIGHT	2569	⊥	BOX DRAWINGS DOUBLE UP AND HORIZONTAL
2545	†	BOX DRAWINGS LEFT DOWN HEAVY AND RIGHT UP LIGHT	256A	†	BOX DRAWINGS VERTICAL SINGLE AND HORIZONTAL DOUBLE
2546	†	BOX DRAWINGS RIGHT DOWN HEAVY AND LEFT UP LIGHT	256B	†	BOX DRAWINGS VERTICAL DOUBLE AND HORIZONTAL SINGLE
2547	†	BOX DRAWINGS DOWN LIGHT AND UP HORIZONTAL HEAVY	256C	†	BOX DRAWINGS DOUBLE VERTICAL AND HORIZONTAL
2548	†	BOX DRAWINGS UP LIGHT AND DOWN HORIZONTAL HEAVY	256D	⌋	BOX DRAWINGS LIGHT ARC DOWN AND RIGHT
2549	†	BOX DRAWINGS RIGHT LIGHT AND LEFT VERTICAL HEAVY	256E	⌋	BOX DRAWINGS LIGHT ARC DOWN AND LEFT
254A	†	BOX DRAWINGS LEFT LIGHT AND RIGHT VERTICAL HEAVY	256F	⌋	BOX DRAWINGS LIGHT ARC UP AND LEFT
254B	⊕	BOX DRAWINGS HEAVY VERTICAL AND HORIZONTAL	2570	⌋	BOX DRAWINGS LIGHT ARC UP AND RIGHT
254C	--	BOX DRAWINGS LIGHT DOUBLE DASH HORIZONTAL	2571	/	BOX DRAWINGS LIGHT DIAGONAL UPPER RIGHT TO LOWER LEFT
254D	--	BOX DRAWINGS HEAVY DOUBLE DASH HORIZONTAL	2572	\	BOX DRAWINGS LIGHT DIAGONAL UPPER LEFT TO LOWER RIGHT
254E	⋮	BOX DRAWINGS LIGHT DOUBLE DASH VERTICAL	2573	X	BOX DRAWINGS LIGHT DIAGONAL CROSS
254F	⋮	BOX DRAWINGS HEAVY DOUBLE DASH VERTICAL	2574	-	BOX DRAWINGS LIGHT LEFT
2550	=	BOX DRAWINGS DOUBLE HORIZONTAL	2575	⋮	BOX DRAWINGS LIGHT UP
2551		BOX DRAWINGS DOUBLE VERTICAL	2576	-	BOX DRAWINGS LIGHT RIGHT
2552	⌋	BOX DRAWINGS DOWN SINGLE AND RIGHT DOUBLE	2577	⋮	BOX DRAWINGS LIGHT DOWN
2553	⌋	BOX DRAWINGS DOWN DOUBLE AND RIGHT SINGLE	2578	-	BOX DRAWINGS HEAVY LEFT
2554	⌋	BOX DRAWINGS DOUBLE DOWN AND RIGHT	2579	⋮	BOX DRAWINGS HEAVY UP
2555	⌋	BOX DRAWINGS DOWN SINGLE AND LEFT DOUBLE	257A	-	BOX DRAWINGS HEAVY RIGHT
2556	⌋	BOX DRAWINGS DOWN DOUBLE AND LEFT SINGLE	257B	⋮	BOX DRAWINGS HEAVY DOWN
2557	⌋	BOX DRAWINGS DOUBLE DOWN AND LEFT	257C	--	BOX DRAWINGS LIGHT LEFT AND HEAVY RIGHT
2558	⌋	BOX DRAWINGS UP SINGLE AND RIGHT DOUBLE	257D	⋮	BOX DRAWINGS LIGHT UP AND HEAVY DOWN
2559	⌋	BOX DRAWINGS UP DOUBLE AND RIGHT SINGLE	257E	--	BOX DRAWINGS HEAVY LEFT AND LIGHT RIGHT
255A	⌋	BOX DRAWINGS DOUBLE UP AND RIGHT	257F	†	BOX DRAWINGS HEAVY UP AND LIGHT DOWN
255B	⌋	BOX DRAWINGS UP SINGLE AND LEFT DOUBLE			
255C	⌋	BOX DRAWINGS UP DOUBLE AND LEFT SINGLE			
255D	⌋	BOX DRAWINGS DOUBLE UP AND LEFT			
255E	†	BOX DRAWINGS VERTICAL SINGLE AND RIGHT DOUBLE			
255F	†	BOX DRAWINGS VERTICAL DOUBLE AND RIGHT SINGLE			
2560	†	BOX DRAWINGS DOUBLE VERTICAL AND RIGHT			
2561	†	BOX DRAWINGS VERTICAL SINGLE AND LEFT DOUBLE			
2562	†	BOX DRAWINGS VERTICAL DOUBLE AND LEFT SINGLE			
2563	†	BOX DRAWINGS DOUBLE VERTICAL AND LEFT			
2564	⊥	BOX DRAWINGS DOWN SINGLE AND HORIZONTAL DOUBLE			
2565	⊥	BOX DRAWINGS DOWN DOUBLE AND HORIZONTAL SINGLE			
2566	⊥	BOX DRAWINGS DOUBLE DOWN AND HORIZONTAL			
2567	⊥	BOX DRAWINGS UP SINGLE AND HORIZONTAL DOUBLE			
2568	⊥	BOX DRAWINGS UP DOUBLE AND HORIZONTAL SINGLE			

	258	259
0	 2580	 2590
1	 2581	 2591
2	 2582	 2592
3	 2583	 2593
4	 2584	 2594
5	 2585	 2595
6	 2586	 2596
7	 2587	 2597
8	 2588	 2598
9	 2589	 2599
A	 258A	 259A
B	 258B	 259B
C	 258C	 259C
D	 258D	 259D
E	 258E	 259E
F	 258F	 259F



**Block elements**

- 2580  UPPER HALF BLOCK
- 2581  LOWER ONE EIGHTH BLOCK
- 2582  LOWER ONE QUARTER BLOCK
- 2583  LOWER THREE EIGHTHS BLOCK
- 2584  LOWER HALF BLOCK
- 2585  LOWER FIVE EIGHTHS BLOCK
- 2586  LOWER THREE QUARTERS BLOCK
- 2587  LOWER SEVEN EIGHTHS BLOCK
- 2588  FULL BLOCK
- = solid
- 25A0  black square
- 2589  LEFT SEVEN EIGHTHS BLOCK
- 258A  LEFT THREE QUARTERS BLOCK
- 258B  LEFT FIVE EIGHTHS BLOCK
- 258C  LEFT HALF BLOCK
- 258D  LEFT THREE EIGHTHS BLOCK
- 258E  LEFT ONE QUARTER BLOCK
- 258F  LEFT ONE EIGHTH BLOCK
- 2590  RIGHT HALF BLOCK











**Shade characters**

































































































- 2591  LIGHT SHADE  
• 25%
- 2592  MEDIUM SHADE  
• 50%
- 2593  DARK SHADE  
• 75%

**Block elements**

- 2594  UPPER ONE EIGHTH BLOCK
- 2595  RIGHT ONE EIGHTH BLOCK

**Terminal graphic characters**






















- 2596  QUADRANT LOWER LEFT
- 2597  QUADRANT LOWER RIGHT
- 2598  QUADRANT UPPER LEFT
- 2599  QUADRANT UPPER LEFT AND LOWER LEFT AND LOWER RIGHT
- 259A  QUADRANT UPPER LEFT AND LOWER RIGHT
- 259B  QUADRANT UPPER LEFT AND UPPER RIGHT AND LOWER LEFT
- 259C  QUADRANT UPPER LEFT AND UPPER RIGHT AND LOWER RIGHT
- 259D  QUADRANT UPPER RIGHT
- 259E  QUADRANT UPPER RIGHT AND LOWER LEFT
- 259F  QUADRANT UPPER RIGHT AND LOWER LEFT AND LOWER RIGHT

	25A	25B	25C	25D	25E	25F
0	 25A0	 25B0	 25C0	 25D0	 25E0	 25F0
1	 25A1	 25B1	 25C1	 25D1	 25E1	 25F1
2	 25A2	 25B2	 25C2	 25D2	 25E2	 25F2
3	 25A3	 25B3	 25C3	 25D3	 25E3	 25F3
4	 25A4	 25B4	 25C4	 25D4	 25E4	 25F4
5	 25A5	 25B5	 25C5	 25D5	 25E5	 25F5
6	 25A6	 25B6	 25C6	 25D6	 25E6	 25F6
7	 25A7	 25B7	 25C7	 25D7	 25E7	 25F7
8	 25A8	 25B8	 25C8	 25D8	 25E8	 25F8
9	 25A9	 25B9	 25C9	 25D9	 25E9	 25F9
A	 25AA	 25BA	 25CA	 25DA	 25EA	 25FA
B	 25AB	 25BB	 25CB	 25DB	 25EB	 25FB
C	 25AC	 25BC	 25CC	 25DC	 25EC	 25FC
D	 25AD	 25BD	 25CD	 25DD	 25ED	 25FD
E	 25AE	 25BE	 25CE	 25DE	 25EE	 25FE
F	 25AF	 25BF	 25CF	 25DF	 25EF	 25FF









**Geometric shapes**

*Other geometric shapes complementing this set are found in the Miscellaneous Symbols and Arrows block.*















25A0	■	<b>BLACK SQUARE</b> = moding mark (in ideographic text) → 2588 ■ full block → 2B1B ■ black large square	25BE	▼	<b>BLACK DOWN-POINTING SMALL TRIANGLE</b>
25A1	□	<b>WHITE SQUARE</b> = quadrature • may be used to represent a missing ideograph → 20DE □ combining enclosing square → 2610 □ ballot box → 2B1C □ white large square → 3013 ■ geta mark	25BF	▼	<b>WHITE DOWN-POINTING SMALL TRIANGLE</b>
25A2	◻	<b>WHITE SQUARE WITH ROUNDED CORNERS</b>	25C0	◄	<b>BLACK LEFT-POINTING TRIANGLE</b>
25A3	◼	<b>WHITE SQUARE CONTAINING BLACK SMALL SQUARE</b>	25C1	◄	<b>WHITE LEFT-POINTING TRIANGLE</b> = z notation domain restriction
25A4	▨	<b>SQUARE WITH HORIZONTAL FILL</b>	25C2	◄	<b>BLACK LEFT-POINTING SMALL TRIANGLE</b>
25A5	▩	<b>SQUARE WITH VERTICAL FILL</b>	25C3	◄	<b>WHITE LEFT-POINTING SMALL TRIANGLE</b>
25A6	▧	<b>SQUARE WITH ORTHOGONAL CROSSHATCH FILL</b>	25C4	◄	<b>BLACK LEFT-POINTING POINTER</b>
25A7	▦	<b>SQUARE WITH UPPER LEFT TO LOWER RIGHT FILL</b>	25C5	◄	<b>WHITE LEFT-POINTING POINTER</b> = backward arrow indicator → 22B2 ◄ normal subgroup of
25A8	▤	<b>SQUARE WITH UPPER RIGHT TO LOWER LEFT FILL</b>	25C6	◆	<b>BLACK DIAMOND</b> → 2666 ◆ black diamond suit
25A9	▥	<b>SQUARE WITH DIAGONAL CROSSHATCH FILL</b>	25C7	◇	<b>WHITE DIAMOND</b> → 20DF ◇ combining enclosing diamond → 22C4 ◊ diamond operator → 2662 ◇ white diamond suit
25AA	▪	<b>BLACK SMALL SQUARE</b> → 2B1D • black very small square	25C8	◊	<b>WHITE DIAMOND CONTAINING BLACK SMALL DIAMOND</b>
25AB	◻	<b>WHITE SMALL SQUARE</b> → 2B1E • white very small square	25C9	●	<b>FISHEYE</b> = tainome (Japanese, a kind of bullet)
25AC	▬	<b>BLACK RECTANGLE</b>	25CA	◇	<b>LOZENGE</b> → 2662 ◇ white diamond suit
25AD	▭	<b>WHITE RECTANGLE</b>	25CB	○	<b>WHITE CIRCLE</b> → 20DD ◎ combining enclosing circle → 25EF ○ large circle → 2B58 ○ heavy circle → 3007 ○ ideographic number zero
25AE	▮	<b>BLACK VERTICAL RECTANGLE</b> = histogram marker → 220E ▮ end of proof	25CC	◌	<b>DOTTED CIRCLE</b> • note that the reference glyph for this character is intentionally larger than the dotted circle glyph used to indicate combining characters in this standard; see, for example, 0300 ◌
25AF	▯	<b>WHITE VERTICAL RECTANGLE</b> → 2337 ▯ apl functional symbol squish quad → 2395 ▯ apl functional symbol quad	25CD	◐	<b>CIRCLE WITH VERTICAL FILL</b>
25B0	▭	<b>BLACK PARALLELOGRAM</b>	25CE	◎	<b>BULLSEYE</b> → 229A ◎ circled ring operator → 2B57 ◎ heavy circle with circle inside
25B1	▯	<b>WHITE PARALLELOGRAM</b>	25CF	●	<b>BLACK CIRCLE</b>
25B2	▲	<b>BLACK UP-POINTING TRIANGLE</b>	25D0	◐	<b>CIRCLE WITH LEFT HALF BLACK</b>
25B3	△	<b>WHITE UP-POINTING TRIANGLE</b> = trine → 20E4 △ combining enclosing upward pointing triangle → 2206 △ increment	25D1	◑	<b>CIRCLE WITH RIGHT HALF BLACK</b>
25B4	▲	<b>BLACK UP-POINTING SMALL TRIANGLE</b>	25D2	◒	<b>CIRCLE WITH LOWER HALF BLACK</b>
25B5	▲	<b>WHITE UP-POINTING SMALL TRIANGLE</b>	25D3	◓	<b>CIRCLE WITH UPPER HALF BLACK</b>
25B6	▶	<b>BLACK RIGHT-POINTING TRIANGLE</b>	25D4	◔	<b>CIRCLE WITH UPPER RIGHT QUADRANT BLACK</b>
25B7	▷	<b>WHITE RIGHT-POINTING TRIANGLE</b> = z notation range restriction	25D5	◕	<b>CIRCLE WITH ALL BUT UPPER LEFT QUADRANT BLACK</b>
25B8	▸	<b>BLACK RIGHT-POINTING SMALL TRIANGLE</b> → 2023 ▸ triangular bullet	25D6	◖	<b>LEFT HALF BLACK CIRCLE</b>
25B9	▹	<b>WHITE RIGHT-POINTING SMALL TRIANGLE</b>	25D7	◗	<b>RIGHT HALF BLACK CIRCLE</b>
25BA	▹	<b>BLACK RIGHT-POINTING POINTER</b>	25D8	▣	<b>INVERSE BULLET</b> → 2022 • bullet → 25E6 ◦ white bullet
25BB	▹	<b>WHITE RIGHT-POINTING POINTER</b> = forward arrow indicator → 22B3 ▹ contains as normal subgroup	25D9	◌	<b>INVERSE WHITE CIRCLE</b>
25BC	▼	<b>BLACK DOWN-POINTING TRIANGLE</b>	25DA	◐	<b>UPPER HALF INVERSE WHITE CIRCLE</b>
25BD	▽	<b>WHITE DOWN-POINTING TRIANGLE</b> = Hamilton operator → 2207 ▽ nabla → 26DB ▽ heavy white down-pointing triangle	25DB	◑	<b>LOWER HALF INVERSE WHITE CIRCLE</b>
			25DC	◒	<b>UPPER LEFT QUADRANT CIRCULAR ARC</b>
			25DD	◓	<b>UPPER RIGHT QUADRANT CIRCULAR ARC</b>
			25DE	◔	<b>LOWER RIGHT QUADRANT CIRCULAR ARC</b>
			25DF	◕	<b>LOWER LEFT QUADRANT CIRCULAR ARC</b>
			25E0	◌	<b>UPPER HALF CIRCLE</b> → 2312 ◌ arc
			25E1	◓	<b>LOWER HALF CIRCLE</b>
			25E2	▴	<b>BLACK LOWER RIGHT TRIANGLE</b>
			25E3	▾	<b>BLACK LOWER LEFT TRIANGLE</b>

- 25E4  BLACK UPPER LEFT TRIANGLE  
 25E5  BLACK UPPER RIGHT TRIANGLE  
 25E6  WHITE BULLET  
     → 2022  bullet  
     → 2218  ring operator  
     → 25D8  inverse bullet  
 25E7  SQUARE WITH LEFT HALF BLACK  
     → 2B12  square with top half black  
 25E8  SQUARE WITH RIGHT HALF BLACK  
 25E9  SQUARE WITH UPPER LEFT DIAGONAL HALF BLACK  
 25EA  SQUARE WITH LOWER RIGHT DIAGONAL HALF BLACK  
 25EB  WHITE SQUARE WITH VERTICAL BISECTING LINE  
 25EC  WHITE UP-POINTING TRIANGLE WITH DOT  
 25ED  UP-POINTING TRIANGLE WITH LEFT HALF BLACK  
 25EE  UP-POINTING TRIANGLE WITH RIGHT HALF BLACK  
 25EF  LARGE CIRCLE  
     → 20DD  combining enclosing circle  
     → 25CB  white circle  
     → 2B24  black large circle  
     → 2B55  heavy large circle  
     → 3007  ideographic number zero

**Control code graphics**

- 25F0  WHITE SQUARE WITH UPPER LEFT QUADRANT  
 25F1  WHITE SQUARE WITH LOWER LEFT QUADRANT  
 25F2  WHITE SQUARE WITH LOWER RIGHT QUADRANT  
 25F3  WHITE SQUARE WITH UPPER RIGHT QUADRANT  
 25F4  WHITE CIRCLE WITH UPPER LEFT QUADRANT  
 25F5  WHITE CIRCLE WITH LOWER LEFT QUADRANT  
 25F6  WHITE CIRCLE WITH LOWER RIGHT QUADRANT  
 25F7  WHITE CIRCLE WITH UPPER RIGHT QUADRANT

**Geometric shapes**

- 25F8  UPPER LEFT TRIANGLE  
 25F9  UPPER RIGHT TRIANGLE  
 25FA  LOWER LEFT TRIANGLE  
     → 22BF  right triangle  
 25FB  WHITE MEDIUM SQUARE  
     = always (modal operator)  
     → 25A1  white square  
 25FC  BLACK MEDIUM SQUARE  
     → 25A0  black square  
 25FD  WHITE MEDIUM SMALL SQUARE  
     → 25AB  white small square  
 25FE  BLACK MEDIUM SMALL SQUARE  
     → 25AA  black small square  
 25FF  LOWER RIGHT TRIANGLE  
     → 22BF  right triangle

	260	261	262	263	264	265	266	267	268	269	26A	26B	26C	26D	26E	26F
0	2600	2610	2620	2630	2640	2650	2660	2670	2680	2690	26A0	26B0	26C0	26D0	26E0	26F0
1	2601	2611	2621	2631	2641	2651	2661	2671	2681	2691	26A1	26B1	26C1	26D1	26E1	26F1
2	2602	2612	2622	2632	2642	2652	2662	2672	2682	2692	26A2	26B2	26C2	26D2	26E2	26F2
3	2603	2613	2623	2633	2643	2653	2663	2673	2683	2693	26A3	26B3	26C3	26D3	26E3	26F3
4	2604	2614	2624	2634	2644	2654	2664	2674	2684	2694	26A4	26B4	26C4	26D4	26E4	26F4
5	2605	2615	2625	2635	2645	2655	2665	2675	2685	2695	26A5	26B5	26C5	26D5	26E5	26F5
6	2606	2616	2626	2636	2646	2656	2666	2676	2686	2696	26A6	26B6	26C6	26D6	26E6	26F6
7	2607	2617	2627	2637	2647	2657	2667	2677	2687	2697	26A7	26B7	26C7	26D7	26E7	26F7
8	2608	2618	2628	2638	2648	2658	2668	2678	2688	2698	26A8	26B8	26C8	26D8	26E8	26F8
9	2609	2619	2629	2639	2649	2659	2669	2679	2689	2699	26A9	26B9	26C9	26D9	26E9	26F9
A	260A	261A	262A	263A	264A	265A	266A	267A	268A	269A	26AA	26BA	26CA	26DA	26EA	26FA
B	260B	261B	262B	263B	264B	265B	266B	267B	268B	269B	26AB	26BB	26CB	26DB	26EB	26FB
C	260C	261C	262C	263C	264C	265C	266C	267C	268C	269C	26AC	26BC	26CC	26DC	26EC	26FC
D	260D	261D	262D	263D	264D	265D	266D	267D	268D	269D	26AD	26BD	26CD	26DD	26ED	26FD
E	260E	261E	262E	263E	264E	265E	266E	267E	268E	269E	26AE	26BE	26CE	26DE	26EE	26FE
F	260F	261F	262F	263F	264F	265F	266F	267F	268F	269F	26AF	26BF	26CF	26DF	26EF	26FF

**Weather and astrological symbols**

- 2600 ☀ BLACK SUN WITH RAYS  
= clear weather  
→ 2609 ☉ sun
- 2601 ☁ CLOUD  
= cloudy weather
- 2602 ☂ UMBRELLA  
= rainy weather
- 2603 ☎ SNOWMAN  
= snowy weather
- 2604 ☄ COMET
- 2605 ★ BLACK STAR  
→ 22C6 ★ star operator
- 2606 ☆ WHITE STAR  
→ 2729 ☆ stress outlined white star
- 2607 ⚡ LIGHTNING
- 2608 ⚡ THUNDERSTORM
- 2609 ☉ SUN  
→ 2299 ☉ circled dot operator  
→ 2600 ☀ black sun with rays  
→ 263C ☼ white sun with rays
- 260A ♋ ASCENDING NODE
- 260B ♌ DESCENDING NODE
- 260C ♍ CONJUNCTION
- 260D ♎ OPPOSITION

**Miscellaneous symbols**

- 260E ☎ BLACK TELEPHONE  
→ 2121 ☎ TEL telephone sign  
→ 2706 ☎ telephone location sign
- 260F ☎ WHITE TELEPHONE
- 2610 □ BALLOT BOX  
→ 25A1 □ white square
- 2611 ☑ BALLOT BOX WITH CHECK
- 2612 ☒ BALLOT BOX WITH X  
→ 22A0 ☒ squared times
- 2613 ✕ SALTIRE  
= St. Andrew's Cross  
→ 2717 ✕ ballot x

**Weather symbol**

- 2614 ☂ UMBRELLA WITH RAIN DROPS  
= showery weather

**Miscellaneous symbol**

- 2615 ☕ HOT BEVERAGE  
= tea or coffee, depending on locale  
• can be used to indicate a wait  
→ 231A ☕ watch  
→ 231B ⌚ hourglass

**Japanese chess symbols**

- 2616 ♔ WHITE SHOJI PIECE
- 2617 ♜ BLACK SHOJI PIECE

**Miscellaneous symbols**

- 2618 ♣ SHAMROCK
- 2619 ↻ REVERSED ROTATED FLORAL HEART BULLET  
• a binding signature mark  
→ 2767 ↻ rotated floral heart bullet

**Pointing hand symbols**

- 261A 🖐 BLACK LEFT POINTING INDEX
- 261B 🖐 BLACK RIGHT POINTING INDEX
- 261C 🖐 WHITE LEFT POINTING INDEX

- 261D 🖐 WHITE UP POINTING INDEX
- 261E 🖐 WHITE RIGHT POINTING INDEX  
= fist (typographic term)
- 261F 🖐 WHITE DOWN POINTING INDEX

**Warning signs**

- 2620 ☠ SKULL AND CROSSBONES  
= poison
- 2621 ⚠ CAUTION SIGN
- 2622 ☢ RADIOACTIVE SIGN
- 2623 ☣ BIOHAZARD SIGN

**Medical and healing symbols**

- 2624 ☥ CADUCEUS  
→ 2695 ☥ staff of aesculapius
- 2625 ♀ ANKH

**Religious and political symbols**

- 2626 ☩ ORTHODOX CROSS
- 2627 ϣ CHI RHO  
= Constantine's cross, Christogram  
→ 2CE9 ϣ coptic symbol khi ro
- 2628 † CROSS OF LORRAINE
- 2629 ⚔ CROSS OF JERUSALEM
- 262A ☄ STAR AND CRESCENT
- 262B ♀ FARSI SYMBOL  
= symbol of iran (1.0)
- 262C ♀ ADI SHAKTI  
= Gurmukhi khanda
- 262D ⚒ HAMMER AND SICKLE
- 262E ☮ PEACE SYMBOL
- 262F ☯ YIN YANG  
→ 0FCA ☯ tibetan symbol nor bu nyis -khyil

**Yijing trigram symbols**

- 2630 ☰ TRIGRAM FOR HEAVEN  
= qian2
- 2631 ☱ TRIGRAM FOR LAKE  
= dui4
- 2632 ☲ TRIGRAM FOR FIRE  
= li2
- 2633 ☳ TRIGRAM FOR THUNDER  
= zhen4
- 2634 ☴ TRIGRAM FOR WIND  
= xun4
- 2635 ☵ TRIGRAM FOR WATER  
= kan3
- 2636 ☶ TRIGRAM FOR MOUNTAIN  
= gen4
- 2637 ☷ TRIGRAM FOR EARTH  
= kun1

**Miscellaneous symbols**

- 2638 🌀 WHEEL OF DHARMA  
→ 2388 🌀 helm symbol
- 2639 ☹ WHITE FROWNING FACE
- 263A 😊 WHITE SMILING FACE  
= have a nice day!
- 263B 😬 BLACK SMILING FACE
- 263C ☼ WHITE SUN WITH RAYS  
= compass  
→ 2609 ☉ sun

**Astrological symbols**

- 263D ☾ FIRST QUARTER MOON
- 263E ☽ LAST QUARTER MOON

263F	♿	MERCURY
2640	♀	FEMALE SIGN = Venus
2641	♁	EARTH → 2295 ⊕ circled plus
2642	♂	MALE SIGN = Mars
2643	♃	JUPITER
2644	♄	SATURN
2645	♅	URANUS
2646	♆	NEPTUNE
2647	♇	PLUTO

**Zodiacal symbols**

2648	♈	ARIES
2649	♉	TAURUS
264A	♊	GEMINI
264B	♋	CANCER
264C	♌	LEO
264D	♍	VIRGO = minim (alternate glyph)
264E	♎	LIBRA
264F	♏	SCORPIUS = scorpio = minim, drop
2650	♐	SAGITTARIUS
2651	♑	CAPRICORN
2652	♒	AQUARIUS
2653	♓	PISCES

**Chess symbols**

2654	♔	WHITE CHESS KING
2655	♕	WHITE CHESS QUEEN
2656	♖	WHITE CHESS ROOK
2657	♗	WHITE CHESS BISHOP
2658	♘	WHITE CHESS KNIGHT
2659	♙	WHITE CHESS PAWN
265A	♚	BLACK CHESS KING
265B	♛	BLACK CHESS QUEEN
265C	♜	BLACK CHESS ROOK
265D	♝	BLACK CHESS BISHOP
265E	♞	BLACK CHESS KNIGHT
265F	♟	BLACK CHESS PAWN

**Playing card symbols**

2660	♠	BLACK SPADE SUIT
2661	♥	WHITE HEART SUIT
2662	♦	WHITE DIAMOND SUIT → 25C7 ◇ white diamond → 25CA ◇ lozenge
2663	♣	BLACK CLUB SUIT → 2618 ♣ shamrock
2664	♠	WHITE SPADE SUIT
2665	♥	BLACK HEART SUIT = valentine → 2764 ♥ heavy black heart
2666	♦	BLACK DIAMOND SUIT → 25C6 ◆ black diamond
2667	♣	WHITE CLUB SUIT

**Miscellaneous symbol**

2668	♨	HOT SPRINGS
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**Musical symbols**

2669	♪	QUARTER NOTE
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266A	♪	EIGHTH NOTE
266B	♩	BEAMED EIGHTH NOTES
266C	♪	BEAMED SIXTEENTH NOTES
266D	♭	MUSIC FLAT SIGN
266E	♮	MUSIC NATURAL SIGN
266F	♯	MUSIC SHARP SIGN = z notation infix bag count → 0023 # number sign

**Syriac cross symbols**

*These symbols are used in liturgical texts of Syriac-speaking churches.*

2670	Ⲛ	WEST SYRIAC CROSS
2671	Ⲛ	EAST SYRIAC CROSS

**Recycling symbols**

2672	♻	UNIVERSAL RECYCLING SYMBOL • used as generic symbol for recycling or to indicate that material is recyclable
2673	♻	RECYCLING SYMBOL FOR TYPE-1 PLASTICS • polyethylene terephthalate
2674	♻	RECYCLING SYMBOL FOR TYPE-2 PLASTICS • high density polyethylene
2675	♻	RECYCLING SYMBOL FOR TYPE-3 PLASTICS • vinyl, polyvinyl chloride
2676	♻	RECYCLING SYMBOL FOR TYPE-4 PLASTICS • low density polyethylene
2677	♻	RECYCLING SYMBOL FOR TYPE-5 PLASTICS • polypropylene
2678	♻	RECYCLING SYMBOL FOR TYPE-6 PLASTICS • polystyrene
2679	♻	RECYCLING SYMBOL FOR TYPE-7 PLASTICS • other plastics
267A	♻	RECYCLING SYMBOL FOR GENERIC MATERIALS • used together with other text and labels to indicate the type of material to be recycled
267B	♻	BLACK UNIVERSAL RECYCLING SYMBOL
267C	♻	RECYCLED PAPER SYMBOL • used to indicate 100% recycled paper content
267D	♻	PARTIALLY-RECYCLED PAPER SYMBOL • percentage of recycled paper content indicated in overlay or next to this symbol

**Miscellaneous symbols**

267E	♻	PERMANENT PAPER SIGN
267F	♿	WHEELCHAIR SYMBOL

**Dice**

2680	⚀	DIE FACE-1
2681	⚁	DIE FACE-2
2682	⚂	DIE FACE-3
2683	⚃	DIE FACE-4
2684	⚄	DIE FACE-5
2685	⚅	DIE FACE-6

**Go markers**

2686	⦿	WHITE CIRCLE WITH DOT RIGHT
2687	⦿	WHITE CIRCLE WITH TWO DOTS
2688	●	BLACK CIRCLE WITH WHITE DOT RIGHT
2689	●	BLACK CIRCLE WITH TWO WHITE DOTS

**Yijing monogram and digram symbols**

*These form a subset of the larger collection found in the Tai Xuan Jing Symbols block.*

268A	☯	MONOGRAM FOR YANG
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- 268B ☯ MONOGRAM FOR YIN  
 268C ☰ DIGRAM FOR GREATER YANG  
 268D ☱ DIGRAM FOR LESSER YIN  
 268E ☲ DIGRAM FOR LESSER YANG  
 268F ☳ DIGRAM FOR GREATER YIN

**Dictionary and map symbols**

- 2690 🚩 WHITE FLAG  
 2691 🚩 BLACK FLAG  
 2692 ⚒ HAMMER AND PICK  
 = mining, working day (in timetables)  
 2693 ⚓ ANCHOR  
 = nautical term, harbor (on maps)  
 2694 ✂ CROSSED SWORDS  
 = military term, battleground (on maps), killed in action  
 2695 ⚕ STAFF OF AESCULAPIUS  
 = medical term  
 • both inclined or upright renderings of this symbol are common  
 → 2624 ☯ caduceus  
 2696 ⚖ SCALES  
 = legal term, jurisprudence  
 2697 ⚗ ALEMBIC  
 = chemical term, chemistry  
 2698 🌸 FLOWER  
 = botanical term  
 → 2055 \* flower punctuation mark  
 → 2618 🍀 shamrock  
 → 2740 🌸 white florette  
 2699 ⚙ GEAR  
 = technology, tools  
 269A 🜚 STAFF OF HERMES  
 • signifies a commercial term or commerce  
 • glyph shows a heraldic staff with a winged wheel  
 269B ☢ ATOM SYMBOL  
 = nuclear installation (on maps)

**Miscellaneous symbols**

- 269C 🌸 FLEUR-DE-LIS  
 269D ☆ OUTLINED WHITE STAR  
 • alternative form of the interlaced pentagram (a symbol of Morocco)

**Symbols for closed captioning from ARIB STD B24**

- 269E ≧ THREE LINES CONVERGING RIGHT  
 = someone speaking  
 269F ≦ THREE LINES CONVERGING LEFT  
 = background speaking

**Miscellaneous symbols**

- 26A0 ⚠ WARNING SIGN  
 26A1 ⚡ HIGH VOLTAGE SIGN  
 = thunder

**Gender symbols**

- 26A2 ♀ DOUBLED FEMALE SIGN  
 = lesbianism  
 26A3 ♂ DOUBLED MALE SIGN  
 • a glyph variant has the two circles on the same line  
 = male homosexuality

- 26A4 ⚧ INTERLOCKED FEMALE AND MALE SIGN  
 • a glyph variant has the two circles on the same line  
 = bisexuality  
 26A5 ♀ MALE AND FEMALE SIGN  
 = transgendered sexuality  
 = hermaphrodite (in entomology)  
 26A6 ♂ MALE WITH STROKE SIGN  
 = transgendered sexuality  
 26A7 ⚧ MALE WITH STROKE AND MALE AND FEMALE SIGN  
 = transgendered sexuality  
 26A8 ♂ VERTICAL MALE WITH STROKE SIGN  
 = ferrous iron sulphate (alchemy and older chemistry)  
 26A9 ♂ HORIZONTAL MALE WITH STROKE SIGN  
 = magnesium (alchemy and older chemistry)

**Circles**

- 26AA ○ MEDIUM WHITE CIRCLE  
 = asexuality, sexless, genderless  
 = engaged, betrothed  
 • base for male or female sign  
 26AB ● MEDIUM BLACK CIRCLE  
 • UI symbol for record function  
 26AC ○ MEDIUM SMALL WHITE CIRCLE  
 = engaged, betrothed (genealogy)  
 • can represent wedding ring

**Genealogical symbols**

- 26AD ∞ MARRIAGE SYMBOL  
 → 221E ∞ infinity  
 26AE ∞ DIVORCE SYMBOL  
 → 29DE ⊘ infinity negated with vertical bar  
 26AF ∞ UNMARRIED PARTNERSHIP SYMBOL  
 → 29DF ∞ double-ended multimap  
 26B0 ☠ COFFIN  
 = buried (genealogy)  
 → 25AD ☐ white rectangle  
 26B1 ☪ FUNERAL URN  
 = cremated (genealogy)

**Gender symbol**

- 26B2 ♀ NEUTER


**Astrological signs**

- 26B3 ♃ CERES  
 26B4 ♃ PALLAS  
 26B5 ♃ JUNO  
 26B6 ♃ VESTA  
 26B7 ♃ CHIRON  
 26B8 ♃ BLACK MOON LILITH  
 26B9 \* SEXTILE  
 → 002A \* asterisk  
 26BA ♃ SEMISEXTILE  
 → 22BB ♃ xor  
 26BB π QUINCUNX  
 → 22BC π nand  
 26BC ☐ SESQUIQUADRATE





**Sports symbols**

- 26BD ⚽ SOCCER BALL  
 26BE ⚾ BASEBALL

**Miscellaneous symbol from ARIB STD B24**

26BF  SQUARED KEY  
= parental lock

**Symbols for draughts and checkers**

26C0  WHITE DRAUGHTS MAN  
26C1  WHITE DRAUGHTS KING  
26C2  BLACK DRAUGHTS MAN  
26C3  BLACK DRAUGHTS KING






















**Weather symbols from ARIB STD B24**

26C4  SNOWMAN WITHOUT SNOW  
= light snow  
26C5  SUN BEHIND CLOUD  
= partly cloudy  
26C6  RAIN  
= rainy weather  
26C7  BLACK SNOWMAN  
= heavy snow  
26C8  THUNDER CLOUD AND RAIN  
= thunderstorm


**Game symbols from ARIB STD B24**

26C9  TURNED WHITE SHOGI PIECE  
26CA  TURNED BLACK SHOGI PIECE  
26CB  WHITE DIAMOND IN SQUARE  
→ 233A  apl functional symbol quad diamond

**Traffic signs from ARIB STD B24**

26CC  CROSSING LANES  
= accident  
→ 292C  falling diagonal crossing rising diagonal  
26CD  DISABLED CAR  
26CE  <reserved>  
26CF  PICK  
= under construction  
26D0  CAR SLIDING  
= icy road  
26D1  HELMET WITH WHITE CROSS  
= maintenance  
26D2  CIRCLED CROSSING LANES  
= road closed  
26D3  CHAINS  
= tyre chains required  
26D4  NO ENTRY  
26D5  ALTERNATE ONE-WAY LEFT WAY TRAFFIC  
• left side traffic  
26D6  BLACK TWO-WAY LEFT WAY TRAFFIC  
• left side traffic  
26D7  WHITE TWO-WAY LEFT WAY TRAFFIC  
• left side traffic  
26D8  BLACK LEFT LANE MERGE  
• left side traffic  
26D9  WHITE LEFT LANE MERGE  
• left side traffic  
26DA  DRIVE SLOW SIGN  
26DB  HEAVY WHITE DOWN-POINTING TRIANGLE  
= drive slow  
→ 25BD  white down-pointing triangle  
26DC  LEFT CLOSED ENTRY  
26DD  SQUARED SALTIRE  
= closed entry  
→ 22A0  squared times


26DE  FALLING DIAGONAL IN WHITE CIRCLE IN BLACK SQUARE  
= closed to large vehicles


26DF  BLACK TRUCK  
= black lorry  
= closed to large vehicles, alternate


26E0  RESTRICTED LEFT ENTRY-1


26E1  RESTRICTED LEFT ENTRY-2


**Dictionary and map symbols from ARIB STD B24**

26E3  HEAVY CIRCLE WITH STROKE AND TWO DOTS ABOVE  
= public office


26E4  <reserved>

26E5  <reserved>


26E6  <reserved>


26E7  <reserved>



26E8  BLACK CROSS ON SHIELD  
= hospital



26E9  SHINTO SHRINE  
= torii

26EA  CHURCH


26EB  CASTLE


26EC  HISTORIC SITE


26ED  GEAR WITHOUT HUB  
= factory  
→ 2699  gear


26EE  GEAR WITH HANDLES  
= power plant, power substation  
26EF  MAP SYMBOL FOR LIGHTHOUSE


26F0  MOUNTAIN

26F1  UMBRELLA ON GROUND  
= bathing beach


26F2  FOUNTAIN  
= park


26F3  FLAG IN HOLE  
= golf course


26F4  FERRY  
= ferry boat terminal


26F5  SAILBOAT  
= marina or yacht harbour


26F6  SQUARE FOUR CORNERS  
= intersection


26F7  SKIER  
= ski resort


26F8  ICE SKATE  
= ice skating rink

26F9  PERSON WITH BALL  
= track and field, gymnasium

26FA  TENT  
= camping site

26FB  JAPANESE BANK SYMBOL

26FC  HEADSTONE GRAVEYARD SYMBOL  
= graveyard, memorial park, cemetery

26FD  FUEL PUMP  
= petrol station, gas station

26FE  CUP ON BLACK SQUARE  
= drive-in restaurant

26FF  WHITE FLAG WITH HORIZONTAL MIDDLE BLACK STRIPE  
= Japanese self-defence force site

	270	271	272	273	274	275	276	277	278	279	27A	27B
0		2710	2720	2730	2740	2750		2770	2780	2790	27A0	
1	2701	2711	2721	2731	2741	2751	2761	2771	2781	2791	27A1	27B1
2	2702	2712	2722	2732	2742	2752	2762	2772	2782	2792	27A2	27B2
3	2703	2713	2723	2733	2743		2763	2773	2783	2793	27A3	27B3
4	2704	2714	2724	2734	2744		2764	2774	2784	2794	27A4	27B4
5		2715	2725	2735	2745		2765	2775	2785		27A5	27B5
6	2706	2716	2726	2736	2746	2756	2766	2776	2786		27A6	27B6
7	2707	2717	2727	2737	2747	2757	2767	2777	2787		27A7	27B7
8	2708	2718		2738	2748	2758	2768	2778	2788	2798	27A8	27B8
9	2709	2719	2729	2739	2749	2759	2769	2779	2789	2799	27A9	27B9
A		271A	272A	273A	274A	275A	276A	277A	278A	279A	27AA	27BA
B		271B	272B	273B	274B	275B	276B	277B	278B	279B	27AB	27BB
C	270C	271C	272C	273C		275C	276C	277C	278C	279C	27AC	27BC
D	270D	271D	272D	273D	274D	275D	276D	277D	278D	279D	27AD	27BD
E	270E	271E	272E	273E		275E	276E	277E	278E	279E	27AE	27BE
F	270F	271F	272F	273F	274F		276F	277F	278F	279F	27AF	

*ITC Zapf dingbats series 100. Some of the ITC Zapf dingbats have been unified with geometric shape characters. Gaps in the chart have subsequently been filled with other dingbat-like symbols.*

**Miscellaneous**

2701		UPPER BLADE SCISSORS
2702		BLACK SCISSORS
2703		LOWER BLADE SCISSORS
2704		WHITE SCISSORS
2705		<reserved> → 260E  black telephone
2706		TELEPHONE LOCATION SIGN → 2121  telephone sign
2707		TAPE DRIVE
2708		AIRPLANE
2709		ENVELOPE
270A		<reserved> → 261B  black right pointing index
270B		<reserved> → 261E  white right pointing index
270C		VICTORY HAND
270D		WRITING HAND
270E		LOWER RIGHT PENCIL
270F		PENCIL
2710		UPPER RIGHT PENCIL
2711		WHITE NIB
2712		BLACK NIB
2713		CHECK MARK → 221A  square root
2714		HEAVY CHECK MARK
2715		MULTIPLICATION X → 00D7  multiplication sign → 2573  box drawings light diagonal cross
2716		HEAVY MULTIPLICATION X
2717		BALLOT X → 2613  saltire
2718		HEAVY BALLOT X

**Crosses**

2719		OUTLINED GREEK CROSS
271A		HEAVY GREEK CROSS
271B		OPEN CENTRE CROSS
271C		HEAVY OPEN CENTRE CROSS
271D		LATIN CROSS
271E		SHADOWED WHITE LATIN CROSS
271F		OUTLINED LATIN CROSS
2720		MALTESE CROSS • Historically, the Maltese cross took many forms; the shape shown in the Zapf Dingbats is similar to one known as the Cross Formée.













































**Stars, asterisks and snowflakes**

2721		STAR OF DAVID
2722		FOUR TEARDROP-SPOKED ASTERISK
2723		FOUR BALLOON-SPOKED ASTERISK
2724		HEAVY FOUR BALLOON-SPOKED ASTERISK
2725		FOUR CLUB-SPOKED ASTERISK
2726		BLACK FOUR POINTED STAR
2727		WHITE FOUR POINTED STAR
2728		<reserved> → 2605  black star

2729		STRESS OUTLINED WHITE STAR → 2606  white star
272A		CIRCLED WHITE STAR
272B		OPEN CENTRE BLACK STAR
272C		BLACK CENTRE WHITE STAR
272D		OUTLINED BLACK STAR
272E		HEAVY OUTLINED BLACK STAR
272F		PINWHEEL STAR
2730		SHADOWED WHITE STAR
2731		HEAVY ASTERISK → 002A  asterisk
2732		OPEN CENTRE ASTERISK
2733		EIGHT SPOKED ASTERISK
2734		EIGHT POINTED BLACK STAR
2735		EIGHT POINTED PINWHEEL STAR
2736		SIX POINTED BLACK STAR = sextile
2737		EIGHT POINTED RECTILINEAR BLACK STAR
2738		HEAVY EIGHT POINTED RECTILINEAR BLACK STAR
2739		TWELVE POINTED BLACK STAR
273A		SIXTEEN POINTED ASTERISK = starburst
273B		TEARDROP-SPOKED ASTERISK
273C		OPEN CENTRE TEARDROP-SPOKED ASTERISK
273D		HEAVY TEARDROP-SPOKED ASTERISK
273E		SIX PETALLED BLACK AND WHITE FLORETTE
273F		BLACK FLORETTE
2740		WHITE FLORETTE
2741		EIGHT PETALLED OUTLINED BLACK FLORETTE
2742		CIRCLED OPEN CENTRE EIGHT POINTED STAR
2743		HEAVY TEARDROP-SPOKED PINWHEEL ASTERISK
2744		SNOWFLAKE
2745		TIGHT TRIFOLIATE SNOWFLAKE
2746		HEAVY CHEVRON SNOWFLAKE
2747		SPARKLE
2748		HEAVY SPARKLE
2749		BALLOON-SPOKED ASTERISK = jack
274A		EIGHT TEARDROP-SPOKED PROPELLER ASTERISK
274B		HEAVY EIGHT TEARDROP-SPOKED PROPELLER ASTERISK = turbofan































**Miscellaneous**

274C		<reserved> → 25CF  black circle
274D		SHADOWED WHITE CIRCLE
274E		<reserved> → 25A0  black square
274F		LOWER RIGHT DROP-SHADOWED WHITE SQUARE
2750		UPPER RIGHT DROP-SHADOWED WHITE SQUARE
2751		LOWER RIGHT SHADOWED WHITE SQUARE
2752		UPPER RIGHT SHADOWED WHITE SQUARE
2753		<reserved> → 25B2  black up-pointing triangle
2754		<reserved> → 25BC  black down-pointing triangle









- 2755  <reserved>  
→ 25C6  black diamond
- 2756  BLACK DIAMOND MINUS WHITE X
- 2757  HEAVY EXCLAMATION MARK SYMBOL  
= obstacles on the road, ARIB STD B24
- 2758  LIGHT VERTICAL BAR  
→ 007C  vertical line
- 2759  MEDIUM VERTICAL BAR
- 275A  HEAVY VERTICAL BAR
- Punctuation ornaments**
- 275B  HEAVY SINGLE TURNED COMMA QUOTATION MARK ORNAMENT  
→ 2018  left single quotation mark
- 275C  HEAVY SINGLE COMMA QUOTATION MARK ORNAMENT  
→ 2019  right single quotation mark
- 275D  HEAVY DOUBLE TURNED COMMA QUOTATION MARK ORNAMENT  
→ 201C  left double quotation mark
- 275E  HEAVY DOUBLE COMMA QUOTATION MARK ORNAMENT  
→ 201D  right double quotation mark
- 275F  <reserved>
- 2760  <reserved>
- 2761  CURVED STEM PARAGRAPH SIGN ORNAMENT  
→ 00B6  pilcrow sign
- 2762  HEAVY EXCLAMATION MARK ORNAMENT  
→ 0021  exclamation mark
- 2763  HEAVY HEART EXCLAMATION MARK ORNAMENT
- 2764  HEAVY BLACK HEART  
→ 2665  black heart suit
- 2765  ROTATED HEAVY BLACK HEART BULLET
- 2766  FLORAL HEART  
= Aldus leaf
- 2767  ROTATED FLORAL HEART BULLET  
= hедера, ivy leaf  
→ 2619  reversed rotated floral heart bullet
- Ornamental brackets**
- 2768  MEDIUM LEFT PARENTHESIS ORNAMENT  
→ 0028  left parenthesis
- 2769  MEDIUM RIGHT PARENTHESIS ORNAMENT  
→ 0029  right parenthesis
- 276A  MEDIUM FLATTENED LEFT PARENTHESIS ORNAMENT
- 276B  MEDIUM FLATTENED RIGHT PARENTHESIS ORNAMENT
- 276C  MEDIUM LEFT-POINTING ANGLE BRACKET ORNAMENT  
→ 2329  left-pointing angle bracket
- 276D  MEDIUM RIGHT-POINTING ANGLE BRACKET ORNAMENT  
→ 232A  right-pointing angle bracket
- 276E  HEAVY LEFT-POINTING ANGLE QUOTATION MARK ORNAMENT  
→ 2039  single left-pointing angle quotation mark
- 276F  HEAVY RIGHT-POINTING ANGLE QUOTATION MARK ORNAMENT  
→ 203A  single right-pointing angle quotation mark
- 2770  HEAVY LEFT-POINTING ANGLE BRACKET ORNAMENT

- 2771  HEAVY RIGHT-POINTING ANGLE BRACKET ORNAMENT
- 2772  LIGHT LEFT TORTOISE SHELL BRACKET ORNAMENT  
→ 3014  left tortoise shell bracket
- 2773  LIGHT RIGHT TORTOISE SHELL BRACKET ORNAMENT  
→ 3015  right tortoise shell bracket
- 2774  MEDIUM LEFT CURLY BRACKET ORNAMENT  
→ 007B  left curly bracket
- 2775  MEDIUM RIGHT CURLY BRACKET ORNAMENT  
→ 007D  right curly bracket

















































**Dingbat circled digits**

- 2776  DINGBAT NEGATIVE CIRCLED DIGIT ONE
- 2777  DINGBAT NEGATIVE CIRCLED DIGIT TWO
- 2778  DINGBAT NEGATIVE CIRCLED DIGIT THREE
- 2779  DINGBAT NEGATIVE CIRCLED DIGIT FOUR
- 277A  DINGBAT NEGATIVE CIRCLED DIGIT FIVE
- 277B  DINGBAT NEGATIVE CIRCLED DIGIT SIX
- 277C  DINGBAT NEGATIVE CIRCLED DIGIT SEVEN
- 277D  DINGBAT NEGATIVE CIRCLED DIGIT EIGHT
- 277E  DINGBAT NEGATIVE CIRCLED DIGIT NINE
- 277F  DINGBAT NEGATIVE CIRCLED NUMBER TEN
- 2780  DINGBAT CIRCLED SANS-SERIF DIGIT ONE
- 2781  DINGBAT CIRCLED SANS-SERIF DIGIT TWO
- 2782  DINGBAT CIRCLED SANS-SERIF DIGIT THREE
- 2783  DINGBAT CIRCLED SANS-SERIF DIGIT FOUR
- 2784  DINGBAT CIRCLED SANS-SERIF DIGIT FIVE
- 2785  DINGBAT CIRCLED SANS-SERIF DIGIT SIX
- 2786  DINGBAT CIRCLED SANS-SERIF DIGIT SEVEN
- 2787  DINGBAT CIRCLED SANS-SERIF DIGIT EIGHT
- 2788  DINGBAT CIRCLED SANS-SERIF DIGIT NINE
- 2789  DINGBAT CIRCLED SANS-SERIF NUMBER TEN
- 278A  DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT ONE
- 278B  DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT TWO
- 278C  DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT THREE
- 278D  DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT FOUR
- 278E  DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT FIVE
- 278F  DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT SIX
- 2790  DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT SEVEN
- 2791  DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT EIGHT
- 2792  DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT NINE
- 2793  DINGBAT NEGATIVE CIRCLED SANS-SERIF NUMBER TEN

**Dingbat arrows**

- 2794  HEAVY WIDE-HEADED RIGHTWARDS ARROW
- 2795  <reserved>  
→ 2192  rightwards arrow
- 2796  <reserved>  
→ 2194  left right arrow
- 2797  <reserved>  
→ 2195  up down arrow
- 2798  HEAVY SOUTH EAST ARROW

2799	➔	HEAVY RIGHTWARDS ARROW
279A	↗	HEAVY NORTH EAST ARROW
279B	➤	DRAFTING POINT RIGHTWARDS ARROW
279C	➔	HEAVY ROUND-TIPPED RIGHTWARDS ARROW
279D	➔	TRIANGLE-HEADED RIGHTWARDS ARROW
279E	➔	HEAVY TRIANGLE-HEADED RIGHTWARDS ARROW
279F	➔	DASHED TRIANGLE-HEADED RIGHTWARDS ARROW
27A0	➔	HEAVY DASHED TRIANGLE-HEADED RIGHTWARDS ARROW
27A1	➔	BLACK RIGHTWARDS ARROW • fonts may harmonize this glyph with the style for other black arrows → 2B05 ← leftwards black arrow
27A2	➤	THREE-D TOP-LIGHTED RIGHTWARDS ARROWHEAD
27A3	➤	THREE-D BOTTOM-LIGHTED RIGHTWARDS ARROWHEAD
27A4	➤	BLACK RIGHTWARDS ARROWHEAD
27A5	↘	HEAVY BLACK CURVED DOWNWARDS AND RIGHTWARDS ARROW
27A6	↗	HEAVY BLACK CURVED UPWARDS AND RIGHTWARDS ARROW
27A7	▣	SQUAT BLACK RIGHTWARDS ARROW
27A8	➔	HEAVY CONCAVE-POINTED BLACK RIGHTWARDS ARROW
27A9	⇨	RIGHT-SHADED WHITE RIGHTWARDS ARROW
27AA	⇩	LEFT-SHADED WHITE RIGHTWARDS ARROW
27AB	⇧	BACK-TILTED SHADOWED WHITE RIGHTWARDS ARROW
27AC	⇨	FRONT-TILTED SHADOWED WHITE RIGHTWARDS ARROW
27AD	⇨	HEAVY LOWER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW
27AE	⇨	HEAVY UPPER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW
27AF	⇨	NOTCHED LOWER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW
27B0	▣	<reserved>
27B1	⇨	NOTCHED UPPER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW
27B2	↻	CIRCLED HEAVY WHITE RIGHTWARDS ARROW
27B3	➤	WHITE-FEATHERED RIGHTWARDS ARROW
27B4	↘	BLACK-FEATHERED SOUTH EAST ARROW
27B5	➤	BLACK-FEATHERED RIGHTWARDS ARROW
27B6	↗	BLACK-FEATHERED NORTH EAST ARROW
27B7	↘	HEAVY BLACK-FEATHERED SOUTH EAST ARROW
27B8	➤	HEAVY BLACK-FEATHERED RIGHTWARDS ARROW
27B9	↗	HEAVY BLACK-FEATHERED NORTH EAST ARROW
27BA	➔	TEARDROP-BARBED RIGHTWARDS ARROW
27BB	➔	HEAVY TEARDROP-SHANKED RIGHTWARDS ARROW
27BC	➤	WEDGE-TAILED RIGHTWARDS ARROW
27BD	➤	HEAVY WEDGE-TAILED RIGHTWARDS ARROW
27BE	⇒	OPEN-OUTLINED RIGHTWARDS ARROW

	27C	27D	27E
0	 27C0	 27D0	 27E0
1	 27C1	 27D1	 27E1
2	 27C2	 27D2	 27E2
3	 27C3	 27D3	 27E3
4	 27C4	 27D4	 27E4
5	 27C5	 27D5	 27E5
6	 27C6	 27D6	 27E6
7	 27C7	 27D7	 27E7
8	 27C8	 27D8	 27E8
9	 27C9	 27D9	 27E9
A	 27CA	 27DA	 27EA
B	 27CB	 27DB	 27EB
C	 27CC	 27DC	 27EC
D	 27CD	 27DD	 27ED
E	 27CE	 27DE	 27EE
F	 27CF	 27DF	 27EF

**Miscellaneous symbols**

- 27C0  $\sphericalangle$  THREE DIMENSIONAL ANGLE  
 • used by Euclid
- 27C1  $\triangle$  WHITE TRIANGLE CONTAINING SMALL WHITE TRIANGLE  
 • used by Euclid
- 27C2  $\perp$  PERPENDICULAR  
 = orthogonal to  
 • relation, typeset with additional spacing  
 → 22A5  $\perp$  up tack
- 27C3  $\Subset$  OPEN SUBSET
- 27C4  $\Supset$  OPEN SUPERSET
- 27C5  $\lrcorner$  LEFT S-SHAPED BAG DELIMITER
- 27C6  $\rceil$  RIGHT S-SHAPED BAG DELIMITER
- 27C7  $\vee$  OR WITH DOT INSIDE
- 27C8  $\lceil$  REVERSE SOLIDUS PRECEDING SUBSET
- 27C9  $\rceil$  SUPERSET PRECEDING SOLIDUS

**Vertical line operator**

- 27CA  $\dagger$  VERTICAL BAR WITH HORIZONTAL STROKE  
 → 2AF2  $\#$  parallel with horizontal stroke  
 → 2AF5  $\#\#$  triple vertical bar with horizontal stroke

**Division operator**

- 27CC  $\overline{\hspace{1cm}}$  LONG DIVISION  
 • graphically extends over the dividend  
 → 00F7  $\div$  division sign  
 → 2215  $/$  division slash  
 → 221A  $\surd$  square root

**Miscellaneous symbol**

- 27D0  $\diamond$  WHITE DIAMOND WITH CENTRED DOT

**Operators**

- 27D1  $\wedge$  AND WITH DOT  
 → 2227  $\wedge$  logical and  
 → 2A40  $\cap$  intersection with dot
- 27D2  $\Uparrow$  ELEMENT OF OPENING UPWARDS  
 → 2AD9  $\uparrow$  element of opening downwards
- 27D3  $\lrcorner$  LOWER RIGHT CORNER WITH DOT  
 = pullback  
 → 230B  $\lfloor$  right floor
- 27D4  $\ulcorner$  UPPER LEFT CORNER WITH DOT  
 = pushout  
 → 2308  $\lceil$  left ceiling

**Database theory operators**

- 27D5  $\bowtie$  LEFT OUTER JOIN
- 27D6  $\bowtie$  RIGHT OUTER JOIN
- 27D7  $\bowtie$  FULL OUTER JOIN  
 → 2A1D  $\bowtie$  join

**Tacks and turnstiles**

- 27D8  $\Uparrow$  LARGE UP TACK  
 → 22A5  $\perp$  up tack
- 27D9  $\Downarrow$  LARGE DOWN TACK  
 → 22A4  $\top$  down tack
- 27DA  $\Leftrightarrow$  LEFT AND RIGHT DOUBLE TURNSTILE  
 → 22A8  $\vDash$  true  
 → 2AE4  $\vDash$  vertical bar double left turnstile
- 27DB  $\Leftrightarrow$  LEFT AND RIGHT TACK  
 → 22A2  $\dashv$  right tack
- 27DC  $\multimap$  LEFT MULTIMAP  
 → 22B8  $\multimap$  multimap

- 27DD  $\dashv$  LONG RIGHT TACK  
 → 22A2  $\dashv$  right tack
- 27DE  $\dashv$  LONG LEFT TACK  
 → 22A3  $\dashv$  left tack
- 27DF  $\upharpoonright$  UP TACK WITH CIRCLE ABOVE  
 = radial component  
 → 2AF1  $\downharpoonright$  down tack with circle below

**Modal logic operators**

















- 27E0  $\diamond$  LOZENGE DIVIDED BY HORIZONTAL RULE  
 • used as form of possibility in modal logic  
 → 25CA  $\diamond$  lozenge
- 27E1  $\diamond$  WHITE CONCAVE-SIDED DIAMOND  
 = never (modal operator)
- 27E2  $\diamond$  WHITE CONCAVE-SIDED DIAMOND WITH LEFTWARDS TICK  
 = was never (modal operator)
- 27E3  $\diamond$  WHITE CONCAVE-SIDED DIAMOND WITH RIGHTWARDS TICK  
 = will never be (modal operator)
- 27E4  $\square$  WHITE SQUARE WITH LEFTWARDS TICK  
 = was always (modal operator)  
 → 25A1  $\square$  white square
- 27E5  $\square$  WHITE SQUARE WITH RIGHTWARDS TICK  
 = will always be (modal operator)

**Mathematical brackets**














- 27E6  $\llbracket$  MATHEMATICAL LEFT WHITE SQUARE BRACKET  
 = z notation left bag bracket  
 → 301A  $\llbracket$  left white square bracket
- 27E7  $\rrbracket$  MATHEMATICAL RIGHT WHITE SQUARE BRACKET  
 = z notation right bag bracket  
 → 301B  $\rrbracket$  right white square bracket
- 27E8  $\langle$  MATHEMATICAL LEFT ANGLE BRACKET  
 = bra  
 = z notation left sequence bracket  
 → 2329  $\langle$  left-pointing angle bracket  
 → 3008  $\langle$  left angle bracket
- 27E9  $\rangle$  MATHEMATICAL RIGHT ANGLE BRACKET  
 = ket  
 = z notation right sequence bracket  
 → 232A  $\rangle$  right-pointing angle bracket  
 → 3009  $\rangle$  right angle bracket
- 27EA  $\langle\langle$  MATHEMATICAL LEFT DOUBLE ANGLE BRACKET  
 = z notation left chevron bracket  
 → 300A  $\langle\langle$  left double angle bracket
- 27EB  $\rangle\rangle$  MATHEMATICAL RIGHT DOUBLE ANGLE BRACKET  
 = z notation right chevron bracket  
 → 300B  $\rangle\rangle$  right double angle bracket
- 27EC  $\lsh$  MATHEMATICAL LEFT WHITE TORTOISE SHELL BRACKET  
 → 2997  $\lsh$  left black tortoise shell bracket  
 → 3018  $\lsh$  left white tortoise shell bracket
- 27ED  $\rsh$  MATHEMATICAL RIGHT WHITE TORTOISE SHELL BRACKET  
 → 2998  $\rsh$  right black tortoise shell bracket  
 → 3019  $\rsh$  right white tortoise shell bracket
- 27EE  $\lfloor$  MATHEMATICAL LEFT FLATTENED PARENTHESIS  
 = lgroup



27EF ) MATHEMATICAL RIGHT FLATTENED  
PARENTHESIS  
= rgroup

27F
0 
27F0
1 
27F1
2 
27F2
3 
27F3
4 
27F4
5 
27F5
6 
27F6
7 
27F7
8 
27F8
9 
27F9
A 
27FA
B 
27FB
C 
27FC
D 
27FD
E 
27FE
F 
27FF

**Arrows**

- 27F0  UPWARDS QUADRUPLE ARROW  
→ 290A  upwards triple arrow  
→ 2B45  leftwards quadruple arrow
- 27F1  DOWNWARDS QUADRUPLE ARROW  
→ 290B  downwards triple arrow
- 27F2  ANTICLOCKWISE GAPPED CIRCLE ARROW  
→ 21BA  anticlockwise open circle arrow  
→ 2940  anticlockwise closed circle arrow
- 27F3  CLOCKWISE GAPPED CIRCLE ARROW  
→ 21BB  clockwise open circle arrow  
→ 2941  clockwise closed circle arrow
- 27F4  RIGHT ARROW WITH CIRCLED PLUS  
→ 2B32  left arrow with circled plus

**Long arrows**

*The long arrows are used for mapping whereas the short forms would be used in limits. They are also needed for MathML to complete mapping to the AMSA sets.*

- 27F5  LONG LEFTWARDS ARROW  
→ 2190  leftwards arrow
- 27F6  LONG RIGHTWARDS ARROW  
→ 2192  rightwards arrow
- 27F7  LONG LEFT RIGHT ARROW  
→ 2194  left right arrow
- 27F8  LONG LEFTWARDS DOUBLE ARROW  
→ 21D0  leftwards double arrow
- 27F9  LONG RIGHTWARDS DOUBLE ARROW  
→ 21D2  rightwards double arrow
- 27FA  LONG LEFT RIGHT DOUBLE ARROW  
→ 21D4  left right double arrow
- 27FB  LONG LEFTWARDS ARROW FROM BAR  
= maps from  
→ 21A4  leftwards arrow from bar
- 27FC  LONG RIGHTWARDS ARROW FROM BAR  
= maps to  
→ 21A6  rightwards arrow from bar
- 27FD  LONG LEFTWARDS DOUBLE ARROW FROM BAR  
→ 2906  leftwards double arrow from bar
- 27FE  LONG RIGHTWARDS DOUBLE ARROW FROM BAR  
→ 2907  rightwards double arrow from bar
- 27FF  LONG RIGHTWARDS SQUIGGLE ARROW  
→ 21DD  rightwards squiggle arrow  
→ 2B33  long leftwards squiggle arrow

	280	281	282	283	284	285	286	287	288	289	28A	28B	28C	28D	28E	28F
0																
1																
2																
3																
4																
5																
6																
7																
8																
9																
A																
B																
C																
D																
E																
F																

































































































































When braille patterns are punched, the filled circles shown here correspond to punch impression.

### Braille patterns

2800	⠠	BRaille PATTERN BLANK	
		• while this character is imaged as a fixed-width blank in many fonts, it does not act as a space	
2801	⠠	BRaille PATTERN DOTS-1	
2802	⠠	BRaille PATTERN DOTS-2	
2803	⠠	BRaille PATTERN DOTS-12	
2804	⠠	BRaille PATTERN DOTS-3	
2805	⠠	BRaille PATTERN DOTS-13	
2806	⠠	BRaille PATTERN DOTS-23	
2807	⠠	BRaille PATTERN DOTS-123	
2808	⠠	BRaille PATTERN DOTS-4	
2809	⠠	BRaille PATTERN DOTS-14	
280A	⠠	BRaille PATTERN DOTS-24	
280B	⠠	BRaille PATTERN DOTS-124	
280C	⠠	BRaille PATTERN DOTS-34	
280D	⠠	BRaille PATTERN DOTS-134	
280E	⠠	BRaille PATTERN DOTS-234	
280F	⠠	BRaille PATTERN DOTS-1234	
2810	⠠	BRaille PATTERN DOTS-5	
2811	⠠	BRaille PATTERN DOTS-15	
2812	⠠	BRaille PATTERN DOTS-25	
2813	⠠	BRaille PATTERN DOTS-125	
2814	⠠	BRaille PATTERN DOTS-35	
2815	⠠	BRaille PATTERN DOTS-135	
2816	⠠	BRaille PATTERN DOTS-235	
2817	⠠	BRaille PATTERN DOTS-1235	
2818	⠠	BRaille PATTERN DOTS-45	
2819	⠠	BRaille PATTERN DOTS-145	
281A	⠠	BRaille PATTERN DOTS-245	
281B	⠠	BRaille PATTERN DOTS-1245	
281C	⠠	BRaille PATTERN DOTS-345	
281D	⠠	BRaille PATTERN DOTS-1345	
281E	⠠	BRaille PATTERN DOTS-2345	
281F	⠠	BRaille PATTERN DOTS-12345	
2820	⠠	BRaille PATTERN DOTS-6	
2821	⠠	BRaille PATTERN DOTS-16	
2822	⠠	BRaille PATTERN DOTS-26	
2823	⠠	BRaille PATTERN DOTS-126	
2824	⠠	BRaille PATTERN DOTS-36	
2825	⠠	BRaille PATTERN DOTS-136	
2826	⠠	BRaille PATTERN DOTS-236	
2827	⠠	BRaille PATTERN DOTS-1236	
2828	⠠	BRaille PATTERN DOTS-46	
2829	⠠	BRaille PATTERN DOTS-146	
282A	⠠	BRaille PATTERN DOTS-246	
282B	⠠	BRaille PATTERN DOTS-1246	
282C	⠠	BRaille PATTERN DOTS-346	
282D	⠠	BRaille PATTERN DOTS-1346	
282E	⠠	BRaille PATTERN DOTS-2346	
282F	⠠	BRaille PATTERN DOTS-12346	
2830	⠠	BRaille PATTERN DOTS-56	
2831	⠠	BRaille PATTERN DOTS-156	
2832	⠠	BRaille PATTERN DOTS-256	
2833	⠠	BRaille PATTERN DOTS-1256	
2834	⠠	BRaille PATTERN DOTS-356	
2835	⠠	BRaille PATTERN DOTS-1356	
2836	⠠	BRaille PATTERN DOTS-2356	
2837	⠠	BRaille PATTERN DOTS-12356	
2838	⠠	BRaille PATTERN DOTS-456	
2839	⠠	BRaille PATTERN DOTS-1456	
283A	⠠	BRaille PATTERN DOTS-2456	
283B	⠠	BRaille PATTERN DOTS-12456	
283C	⠠	BRaille PATTERN DOTS-3456	
283D	⠠	BRaille PATTERN DOTS-13456	
283E	⠠	BRaille PATTERN DOTS-23456	
283F	⠠	BRaille PATTERN DOTS-123456	
2840	⠠	BRaille PATTERN DOTS-7	
2841	⠠	BRaille PATTERN DOTS-17	
2842	⠠	BRaille PATTERN DOTS-27	
2843	⠠	BRaille PATTERN DOTS-127	
2844	⠠	BRaille PATTERN DOTS-37	
2845	⠠	BRaille PATTERN DOTS-137	
2846	⠠	BRaille PATTERN DOTS-237	
2847	⠠	BRaille PATTERN DOTS-1237	
2848	⠠	BRaille PATTERN DOTS-47	
2849	⠠	BRaille PATTERN DOTS-147	
284A	⠠	BRaille PATTERN DOTS-247	
284B	⠠	BRaille PATTERN DOTS-1247	
284C	⠠	BRaille PATTERN DOTS-347	
284D	⠠	BRaille PATTERN DOTS-1347	
284E	⠠	BRaille PATTERN DOTS-2347	
284F	⠠	BRaille PATTERN DOTS-12347	
2850	⠠	BRaille PATTERN DOTS-57	
2851	⠠	BRaille PATTERN DOTS-157	
2852	⠠	BRaille PATTERN DOTS-257	
2853	⠠	BRaille PATTERN DOTS-1257	
2854	⠠	BRaille PATTERN DOTS-357	
2855	⠠	BRaille PATTERN DOTS-1357	
2856	⠠	BRaille PATTERN DOTS-2357	
2857	⠠	BRaille PATTERN DOTS-12357	
2858	⠠	BRaille PATTERN DOTS-457	
2859	⠠	BRaille PATTERN DOTS-1457	
285A	⠠	BRaille PATTERN DOTS-2457	
285B	⠠	BRaille PATTERN DOTS-12457	
285C	⠠	BRaille PATTERN DOTS-3457	
285D	⠠	BRaille PATTERN DOTS-13457	
285E	⠠	BRaille PATTERN DOTS-23457	
285F	⠠	BRaille PATTERN DOTS-123457	
2860	⠠	BRaille PATTERN DOTS-67	
2861	⠠	BRaille PATTERN DOTS-167	
2862	⠠	BRaille PATTERN DOTS-267	
2863	⠠	BRaille PATTERN DOTS-1267	
2864	⠠	BRaille PATTERN DOTS-367	
2865	⠠	BRaille PATTERN DOTS-1367	
2866	⠠	BRaille PATTERN DOTS-2367	
2867	⠠	BRaille PATTERN DOTS-12367	
2868	⠠	BRaille PATTERN DOTS-467	
2869	⠠	BRaille PATTERN DOTS-1467	
286A	⠠	BRaille PATTERN DOTS-2467	
286B	⠠	BRaille PATTERN DOTS-12467	
286C	⠠	BRaille PATTERN DOTS-3467	
286D	⠠	BRaille PATTERN DOTS-13467	
286E	⠠	BRaille PATTERN DOTS-23467	
286F	⠠	BRaille PATTERN DOTS-123467	
2870	⠠	BRaille PATTERN DOTS-567	
2871	⠠	BRaille PATTERN DOTS-1567	
2872	⠠	BRaille PATTERN DOTS-2567	
2873	⠠	BRaille PATTERN DOTS-12567	
2874	⠠	BRaille PATTERN DOTS-3567	

2875	⠠	BRAILLE PATTERN DOTS-13567	28B2	⠠	BRAILLE PATTERN DOTS-2568
2876	⠠	BRAILLE PATTERN DOTS-23567	28B3	⠠	BRAILLE PATTERN DOTS-12568
2877	⠠	BRAILLE PATTERN DOTS-123567	28B4	⠠	BRAILLE PATTERN DOTS-3568
2878	⠠	BRAILLE PATTERN DOTS-4567	28B5	⠠	BRAILLE PATTERN DOTS-13568
2879	⠠	BRAILLE PATTERN DOTS-14567	28B6	⠠	BRAILLE PATTERN DOTS-23568
287A	⠠	BRAILLE PATTERN DOTS-24567	28B7	⠠	BRAILLE PATTERN DOTS-123568
287B	⠠	BRAILLE PATTERN DOTS-124567	28B8	⠠	BRAILLE PATTERN DOTS-4568
287C	⠠	BRAILLE PATTERN DOTS-34567	28B9	⠠	BRAILLE PATTERN DOTS-14568
287D	⠠	BRAILLE PATTERN DOTS-134567	28BA	⠠	BRAILLE PATTERN DOTS-24568
287E	⠠	BRAILLE PATTERN DOTS-234567	28BB	⠠	BRAILLE PATTERN DOTS-124568
287F	⠠	BRAILLE PATTERN DOTS-1234567	28BC	⠠	BRAILLE PATTERN DOTS-34568
2880	⠠	BRAILLE PATTERN DOTS-8	28BD	⠠	BRAILLE PATTERN DOTS-134568
2881	⠠	BRAILLE PATTERN DOTS-18	28BE	⠠	BRAILLE PATTERN DOTS-234568
2882	⠠	BRAILLE PATTERN DOTS-28	28BF	⠠	BRAILLE PATTERN DOTS-1234568
2883	⠠	BRAILLE PATTERN DOTS-128	28C0	⠠	BRAILLE PATTERN DOTS-78
2884	⠠	BRAILLE PATTERN DOTS-38	28C1	⠠	BRAILLE PATTERN DOTS-178
2885	⠠	BRAILLE PATTERN DOTS-138	28C2	⠠	BRAILLE PATTERN DOTS-278
2886	⠠	BRAILLE PATTERN DOTS-238	28C3	⠠	BRAILLE PATTERN DOTS-1278
2887	⠠	BRAILLE PATTERN DOTS-1238	28C4	⠠	BRAILLE PATTERN DOTS-378
2888	⠠	BRAILLE PATTERN DOTS-48	28C5	⠠	BRAILLE PATTERN DOTS-1378
2889	⠠	BRAILLE PATTERN DOTS-148	28C6	⠠	BRAILLE PATTERN DOTS-2378
288A	⠠	BRAILLE PATTERN DOTS-248	28C7	⠠	BRAILLE PATTERN DOTS-12378
288B	⠠	BRAILLE PATTERN DOTS-1248	28C8	⠠	BRAILLE PATTERN DOTS-478
288C	⠠	BRAILLE PATTERN DOTS-348	28C9	⠠	BRAILLE PATTERN DOTS-1478
288D	⠠	BRAILLE PATTERN DOTS-1348	28CA	⠠	BRAILLE PATTERN DOTS-2478
288E	⠠	BRAILLE PATTERN DOTS-2348	28CB	⠠	BRAILLE PATTERN DOTS-12478
288F	⠠	BRAILLE PATTERN DOTS-12348	28CC	⠠	BRAILLE PATTERN DOTS-3478
2890	⠠	BRAILLE PATTERN DOTS-58	28CD	⠠	BRAILLE PATTERN DOTS-13478
2891	⠠	BRAILLE PATTERN DOTS-158	28CE	⠠	BRAILLE PATTERN DOTS-23478
2892	⠠	BRAILLE PATTERN DOTS-258	28CF	⠠	BRAILLE PATTERN DOTS-123478
2893	⠠	BRAILLE PATTERN DOTS-1258	28D0	⠠	BRAILLE PATTERN DOTS-578
2894	⠠	BRAILLE PATTERN DOTS-358	28D1	⠠	BRAILLE PATTERN DOTS-1578
2895	⠠	BRAILLE PATTERN DOTS-1358	28D2	⠠	BRAILLE PATTERN DOTS-2578
2896	⠠	BRAILLE PATTERN DOTS-2358	28D3	⠠	BRAILLE PATTERN DOTS-12578
2897	⠠	BRAILLE PATTERN DOTS-12358	28D4	⠠	BRAILLE PATTERN DOTS-3578
2898	⠠	BRAILLE PATTERN DOTS-458	28D5	⠠	BRAILLE PATTERN DOTS-13578
2899	⠠	BRAILLE PATTERN DOTS-1458	28D6	⠠	BRAILLE PATTERN DOTS-23578
289A	⠠	BRAILLE PATTERN DOTS-2458	28D7	⠠	BRAILLE PATTERN DOTS-123578
289B	⠠	BRAILLE PATTERN DOTS-12458	28D8	⠠	BRAILLE PATTERN DOTS-4578
289C	⠠	BRAILLE PATTERN DOTS-3458	28D9	⠠	BRAILLE PATTERN DOTS-14578
289D	⠠	BRAILLE PATTERN DOTS-13458	28DA	⠠	BRAILLE PATTERN DOTS-24578
289E	⠠	BRAILLE PATTERN DOTS-23458	28DB	⠠	BRAILLE PATTERN DOTS-124578
289F	⠠	BRAILLE PATTERN DOTS-123458	28DC	⠠	BRAILLE PATTERN DOTS-34578
28A0	⠠	BRAILLE PATTERN DOTS-68	28DD	⠠	BRAILLE PATTERN DOTS-134578
28A1	⠠	BRAILLE PATTERN DOTS-168	28DE	⠠	BRAILLE PATTERN DOTS-234578
28A2	⠠	BRAILLE PATTERN DOTS-268	28DF	⠠	BRAILLE PATTERN DOTS-1234578
28A3	⠠	BRAILLE PATTERN DOTS-1268	28E0	⠠	BRAILLE PATTERN DOTS-678
28A4	⠠	BRAILLE PATTERN DOTS-368	28E1	⠠	BRAILLE PATTERN DOTS-1678
28A5	⠠	BRAILLE PATTERN DOTS-1368	28E2	⠠	BRAILLE PATTERN DOTS-2678
28A6	⠠	BRAILLE PATTERN DOTS-2368	28E3	⠠	BRAILLE PATTERN DOTS-12678
28A7	⠠	BRAILLE PATTERN DOTS-12368	28E4	⠠	BRAILLE PATTERN DOTS-3678
28A8	⠠	BRAILLE PATTERN DOTS-468	28E5	⠠	BRAILLE PATTERN DOTS-13678
28A9	⠠	BRAILLE PATTERN DOTS-1468	28E6	⠠	BRAILLE PATTERN DOTS-23678
28AA	⠠	BRAILLE PATTERN DOTS-2468	28E7	⠠	BRAILLE PATTERN DOTS-123678
28AB	⠠	BRAILLE PATTERN DOTS-12468	28E8	⠠	BRAILLE PATTERN DOTS-4678
28AC	⠠	BRAILLE PATTERN DOTS-3468	28E9	⠠	BRAILLE PATTERN DOTS-14678
28AD	⠠	BRAILLE PATTERN DOTS-13468	28EA	⠠	BRAILLE PATTERN DOTS-24678
28AE	⠠	BRAILLE PATTERN DOTS-23468	28EB	⠠	BRAILLE PATTERN DOTS-124678
28AF	⠠	BRAILLE PATTERN DOTS-123468	28EC	⠠	BRAILLE PATTERN DOTS-34678
28B0	⠠	BRAILLE PATTERN DOTS-568	28ED	⠠	BRAILLE PATTERN DOTS-134678
28B1	⠠	BRAILLE PATTERN DOTS-1568	28EE	⠠	BRAILLE PATTERN DOTS-234678

28EF	⠠	BRAILLE PATTERN DOTS-1234678
28F0	⠠	BRAILLE PATTERN DOTS-5678
28F1	⠠	BRAILLE PATTERN DOTS-15678
28F2	⠠	BRAILLE PATTERN DOTS-25678
28F3	⠠	BRAILLE PATTERN DOTS-125678
28F4	⠠	BRAILLE PATTERN DOTS-35678
28F5	⠠	BRAILLE PATTERN DOTS-135678
28F6	⠠	BRAILLE PATTERN DOTS-235678
28F7	⠠	BRAILLE PATTERN DOTS-1235678
28F8	⠠	BRAILLE PATTERN DOTS-45678
28F9	⠠	BRAILLE PATTERN DOTS-145678
28FA	⠠	BRAILLE PATTERN DOTS-245678
28FB	⠠	BRAILLE PATTERN DOTS-1245678
28FC	⠠	BRAILLE PATTERN DOTS-345678
28FD	⠠	BRAILLE PATTERN DOTS-1345678
28FE	⠠	BRAILLE PATTERN DOTS-2345678
28FF	⠠	BRAILLE PATTERN DOTS-12345678

	290	291	292	293	294	295	296	297
0	 2900	 2910	 2920	 2930	 2940	 2950	 2960	 2970
1	 2901	 2911	 2921	 2931	 2941	 2951	 2961	 2971
2	 2902	 2912	 2922	 2932	 2942	 2952	 2962	 2972
3	 2903	 2913	 2923	 2933	 2943	 2953	 2963	 2973
4	 2904	 2914	 2924	 2934	 2944	 2954	 2964	 2974
5	 2905	 2915	 2925	 2935	 2945	 2955	 2965	 2975
6	 2906	 2916	 2926	 2936	 2946	 2956	 2966	 2976
7	 2907	 2917	 2927	 2937	 2947	 2957	 2967	 2977
8	 2908	 2918	 2928	 2938	 2948	 2958	 2968	 2978
9	 2909	 2919	 2929	 2939	 2949	 2959	 2969	 2979
A	 290A	 291A	 292A	 293A	 294A	 295A	 296A	 297A
B	 290B	 291B	 292B	 293B	 294B	 295B	 296B	 297B
C	 290C	 291C	 292C	 293C	 294C	 295C	 296C	 297C
D	 290D	 291D	 292D	 293D	 294D	 295D	 296D	 297D
E	 290E	 291E	 292E	 293E	 294E	 295E	 296E	 297E
F	 290F	 291F	 292F	 293F	 294F	 295F	 296F	 297F

**Miscellaneous arrows**

- 2900 ⇨ RIGHTWARDS TWO-HEADED ARROW WITH VERTICAL STROKE  
= z notation partial surjection  
→ 2B34 ⇐ leftwards two-headed arrow with vertical stroke
- 2901 ⇨ RIGHTWARDS TWO-HEADED ARROW WITH DOUBLE VERTICAL STROKE  
= z notation finite surjection  
→ 2B35 ⇐ leftwards two-headed arrow with double vertical stroke
- 2902 ⇐ LEFTWARDS DOUBLE ARROW WITH VERTICAL STROKE
- 2903 ⇨ RIGHTWARDS DOUBLE ARROW WITH VERTICAL STROKE
- 2904 ⇐ LEFT RIGHT DOUBLE ARROW WITH VERTICAL STROKE
- 2905 ↗ RIGHTWARDS TWO-HEADED ARROW FROM BAR  
= maps to  
→ 2B36 ⇐ leftwards two-headed arrow from bar
- 2906 ⇐ LEFTWARDS DOUBLE ARROW FROM BAR  
= maps from  
→ 27FB ← long leftwards arrow from bar
- 2907 ⇨ RIGHTWARDS DOUBLE ARROW FROM BAR  
= maps to  
→ 27FC → long rightwards arrow from bar
- 2908 † DOWNWARDS ARROW WITH HORIZONTAL STROKE
- 2909 ‡ UPWARDS ARROW WITH HORIZONTAL STROKE
- 290A †† UPWARDS TRIPLE ARROW  
→ 21D1 †† upwards double arrow  
→ 27F0 ††† upwards quadruple arrow
- 290B ‡‡ DOWNWARDS TRIPLE ARROW  
→ 21D3 ‡‡ downwards double arrow  
→ 27F1 ‡‡‡ downwards quadruple arrow
- 290C ⇐⇐ LEFTWARDS DOUBLE DASH ARROW
- 290D →→ RIGHTWARDS DOUBLE DASH ARROW
- 290E ⇐⇐⇐ LEFTWARDS TRIPLE DASH ARROW
- 290F →→→ RIGHTWARDS TRIPLE DASH ARROW
- 2910 ⇨⇨ RIGHTWARDS TWO-HEADED TRIPLE DASH ARROW  
→ 2B37 ⇐⇐ leftwards two-headed triple dash arrow
- 2911 →→→ RIGHTWARDS ARROW WITH DOTTED STEM  
→ 2B38 ←←← leftwards arrow with dotted stem
- 2912 † UPWARDS ARROW TO BAR
- 2913 ‡ DOWNWARDS ARROW TO BAR
- 2914 ⇨⇨ RIGHTWARDS ARROW WITH TAIL WITH VERTICAL STROKE  
= z notation partial injection  
→ 2B39 ⇐ leftwards arrow with tail with vertical stroke
- 2915 ⇨⇨⇨ RIGHTWARDS ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE  
= z notation finite injection  
→ 2B3A ⇐ leftwards arrow with tail with double vertical stroke
- 2916 ⇨⇨ RIGHTWARDS TWO-HEADED ARROW WITH TAIL  
= bijective mapping  
= z notation bijection  
→ 2B3B ⇐ leftwards two-headed arrow with tail

- 2917 ⇨⇨ RIGHTWARDS TWO-HEADED ARROW WITH TAIL WITH VERTICAL STROKE  
= z notation surjective injection  
→ 2B3C ⇐ leftwards two-headed arrow with tail with vertical stroke
- 2918 ⇨⇨⇨ RIGHTWARDS TWO-HEADED ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE  
= z notation finite surjective injection  
→ 2B3D ⇐ leftwards two-headed arrow with tail with double vertical stroke

**Arrow tails**

- 2919 ↖ LEFTWARDS ARROW-TAIL
- 291A ↗ RIGHTWARDS ARROW-TAIL
- 291B ↖ LEFTWARDS DOUBLE ARROW-TAIL
- 291C ↗ RIGHTWARDS DOUBLE ARROW-TAIL

**Miscellaneous arrows**

- 291D ⇐ LEFTWARDS ARROW TO BLACK DIAMOND
- 291E → RIGHTWARDS ARROW TO BLACK DIAMOND
- 291F ⇐⇨ LEFTWARDS ARROW FROM BAR TO BLACK DIAMOND
- 2920 ⇨⇨ RIGHTWARDS ARROW FROM BAR TO BLACK DIAMOND
- 2921 ↖ NORTH WEST AND SOUTH EAST ARROW
- 2922 ↗ NORTH EAST AND SOUTH WEST ARROW
- 2923 ↖ NORTH WEST ARROW WITH HOOK
- 2924 ↗ NORTH EAST ARROW WITH HOOK
- 2925 ↖ SOUTH EAST ARROW WITH HOOK
- 2926 ↗ SOUTH WEST ARROW WITH HOOK

**Crossing arrows for knot theory**

- 2927 ✕ NORTH WEST ARROW AND NORTH EAST ARROW
- 2928 ✕ NORTH EAST ARROW AND SOUTH EAST ARROW
- 2929 ✕ SOUTH EAST ARROW AND SOUTH WEST ARROW
- 292A ✕ SOUTH WEST ARROW AND NORTH WEST ARROW
- 292B ✕ RISING DIAGONAL CROSSING FALLING DIAGONAL
- 292C ✕ FALLING DIAGONAL CROSSING RISING DIAGONAL  
→ 26CC ✕ crossing lanes
- 292D ✕ SOUTH EAST ARROW CROSSING NORTH EAST ARROW
- 292E ✕ NORTH EAST ARROW CROSSING SOUTH EAST ARROW
- 292F ✕ FALLING DIAGONAL CROSSING NORTH EAST ARROW
- 2930 ✕ RISING DIAGONAL CROSSING SOUTH EAST ARROW
- 2931 ✕ NORTH EAST ARROW CROSSING NORTH WEST ARROW
- 2932 ✕ NORTH WEST ARROW CROSSING NORTH EAST ARROW

**Miscellaneous curved arrows**

- 2933 ↗ WAVE ARROW POINTING DIRECTLY RIGHT  
→ 219D ↗ rightwards wave arrow  
→ 2B3F ↗ wave arrow pointing directly left
- 2934 ↗ ARROW POINTING RIGHTWARDS THEN CURVING UPWARDS
- 2935 ↘ ARROW POINTING RIGHTWARDS THEN CURVING DOWNWARDS



- 2936 ↵ ARROW POINTING DOWNWARDS THEN CURVING LEFTWARDS  
 2937 ↶ ARROW POINTING DOWNWARDS THEN CURVING RIGHTWARDS  
 2938 ↷ RIGHT-SIDE ARC CLOCKWISE ARROW  
 2939 ↶ LEFT-SIDE ARC ANTICLOCKWISE ARROW  
 293A ↶ TOP ARC ANTICLOCKWISE ARROW  
 293B ↶ BOTTOM ARC ANTICLOCKWISE ARROW  
 293C ↷ TOP ARC CLOCKWISE ARROW WITH MINUS  
 293D ↶ TOP ARC ANTICLOCKWISE ARROW WITH PLUS  
 293E ↷ LOWER RIGHT SEMICIRCULAR CLOCKWISE ARROW  
 293F ↶ LOWER LEFT SEMICIRCULAR ANTICLOCKWISE ARROW  
 2940 ⤿ ANTICLOCKWISE CLOSED CIRCLE ARROW  
 → 20DA ☉ combining anticlockwise ring overlay  
 2941 ⤿ CLOCKWISE CLOSED CIRCLE ARROW  
 → 20D9 ☉ combining clockwise ring overlay

**Arrows combined with operators**

- 2942 ↗ RIGHTWARDS ARROW ABOVE SHORT LEFTWARDS ARROW  
 2943 ↖ LEFTWARDS ARROW ABOVE SHORT RIGHTWARDS ARROW  
 2944 ↗ SHORT RIGHTWARDS ARROW ABOVE LEFTWARDS ARROW  
 2945 ↗ RIGHTWARDS ARROW WITH PLUS BELOW  
 2946 ↖ LEFTWARDS ARROW WITH PLUS BELOW  
 2947 ↗ RIGHTWARDS ARROW THROUGH X  
 → 2B3E ⇄ leftwards arrow through x  
 2948 ⇄ LEFT RIGHT ARROW THROUGH SMALL CIRCLE  
 2949 ↗ UPWARDS TWO-HEADED ARROW FROM SMALL CIRCLE

**Double-barbed harpoons**

- 294A ↖ LEFT BARB UP RIGHT BARB DOWN HARPOON  
 294B ↗ LEFT BARB DOWN RIGHT BARB UP HARPOON  
 294C ↗ UP BARB RIGHT DOWN BARB LEFT HARPOON  
 294D ↖ UP BARB LEFT DOWN BARB RIGHT HARPOON  
 294E ↖ LEFT BARB UP RIGHT BARB UP HARPOON  
 294F ↗ UP BARB RIGHT DOWN BARB RIGHT HARPOON  
 2950 ↖ LEFT BARB DOWN RIGHT BARB DOWN HARPOON  
 2951 ↖ UP BARB LEFT DOWN BARB LEFT HARPOON

**Modified harpoons**

- 2952 ↖ LEFTWARDS HARPOON WITH BARB UP TO BAR  
 2953 ↗ RIGHTWARDS HARPOON WITH BARB UP TO BAR  
 2954 ↗ UPWARDS HARPOON WITH BARB RIGHT TO BAR  
 2955 ↖ DOWNWARDS HARPOON WITH BARB RIGHT TO BAR  
 2956 ↖ LEFTWARDS HARPOON WITH BARB DOWN TO BAR  
 2957 ↗ RIGHTWARDS HARPOON WITH BARB DOWN TO BAR  
 2958 ↗ UPWARDS HARPOON WITH BARB LEFT TO BAR  
 2959 ↖ DOWNWARDS HARPOON WITH BARB LEFT TO BAR  
 295A ↖ LEFTWARDS HARPOON WITH BARB UP FROM BAR  
 295B ↗ RIGHTWARDS HARPOON WITH BARB UP FROM BAR

- 295C ↗ UPWARDS HARPOON WITH BARB RIGHT FROM BAR  
 295D ↖ DOWNWARDS HARPOON WITH BARB RIGHT FROM BAR  
 295E ↖ LEFTWARDS HARPOON WITH BARB DOWN FROM BAR  
 295F ↗ RIGHTWARDS HARPOON WITH BARB DOWN FROM BAR  
 2960 ↖ UPWARDS HARPOON WITH BARB LEFT FROM BAR  
 2961 ↖ DOWNWARDS HARPOON WITH BARB LEFT FROM BAR

**Paired harpoons**

- 2962 ⇄ LEFTWARDS HARPOON WITH BARB UP ABOVE LEFTWARDS HARPOON WITH BARB DOWN  
 2963 ⇄ UPWARDS HARPOON WITH BARB LEFT BESIDE UPWARDS HARPOON WITH BARB RIGHT  
 2964 ⇄ RIGHTWARDS HARPOON WITH BARB UP ABOVE RIGHTWARDS HARPOON WITH BARB DOWN  
 2965 ⇄ DOWNWARDS HARPOON WITH BARB LEFT BESIDE DOWNWARDS HARPOON WITH BARB RIGHT  
 2966 ⇄ LEFTWARDS HARPOON WITH BARB UP ABOVE RIGHTWARDS HARPOON WITH BARB UP  
 2967 ⇄ LEFTWARDS HARPOON WITH BARB DOWN ABOVE RIGHTWARDS HARPOON WITH BARB DOWN  
 2968 ⇄ RIGHTWARDS HARPOON WITH BARB UP ABOVE LEFTWARDS HARPOON WITH BARB UP  
 2969 ⇄ RIGHTWARDS HARPOON WITH BARB DOWN ABOVE LEFTWARDS HARPOON WITH BARB DOWN  
 296A ⇄ LEFTWARDS HARPOON WITH BARB UP ABOVE LONG DASH  
 296B ⇄ LEFTWARDS HARPOON WITH BARB DOWN BELOW LONG DASH  
 296C ⇄ RIGHTWARDS HARPOON WITH BARB UP ABOVE LONG DASH  
 296D ⇄ RIGHTWARDS HARPOON WITH BARB DOWN BELOW LONG DASH  
 296E ⇄ UPWARDS HARPOON WITH BARB LEFT BESIDE DOWNWARDS HARPOON WITH BARB RIGHT  
 296F ⇄ DOWNWARDS HARPOON WITH BARB LEFT BESIDE UPWARDS HARPOON WITH BARB RIGHT

**Miscellaneous arrow**

- 2970 ⇄ RIGHT DOUBLE ARROW WITH ROUNDED HEAD  
 → 2283 ▷ superset of

































































































































**Arrows combined with relations**

- 2971 ⇄ EQUALS SIGN ABOVE RIGHTWARDS ARROW  
 → 2B40 ⇄ equals sign above leftwards arrow  
 2972 ⇄ TILDE OPERATOR ABOVE RIGHTWARDS ARROW  
 → 2B41 ⇄ reverse tilde operator above leftwards arrow  
 2973 ⇄ LEFTWARDS ARROW ABOVE TILDE OPERATOR  
 → 2B4C ⇄ rightwards arrow above reverse tilde operator  
 2974 ⇄ RIGHTWARDS ARROW ABOVE TILDE OPERATOR  
 → 2B4B ⇄ leftwards arrow above reverse tilde operator

- 2975  $\Rightarrow$  RIGHTWARDS ARROW ABOVE ALMOST EQUAL TO  
 → 2B42  $\Leftarrow$  leftwards arrow above reverse almost equal to
- 2976  $\Leftarrow$  LESS-THAN ABOVE LEFTWARDS ARROW
- 2977  $\Leftarrow$  LEFTWARDS ARROW THROUGH LESS-THAN  
 → 2B43  $\Rightarrow$  rightwards arrow through greater-than
- 2978  $\Rightarrow$  GREATER-THAN ABOVE RIGHTWARDS ARROW
- 2979  $\Subset$  SUBSET ABOVE RIGHTWARDS ARROW
- 297A  $\Leftarrow$  LEFTWARDS ARROW THROUGH SUBSET  
 → 2B44  $\Rightarrow$  rightwards arrow through superset
- 297B  $\supseteq$  SUPERSET ABOVE LEFTWARDS ARROW

**Fish tails**

- 297C  $\vdash$  LEFT FISH TAIL
- 297D  $\dashv$  RIGHT FISH TAIL
- 297E  $\Uparrow$  UP FISH TAIL
- 297F  $\Downarrow$  DOWN FISH TAIL

	298	299	29A	29B	29C	29D	29E	29F
0	 2980	 2990	 29A0	 29B0	 29C0	 29D0	 29E0	 29F0
1	 2981	 2991	 29A1	 29B1	 29C1	 29D1	 29E1	 29F1
2	 2982	 2992	 29A2	 29B2	 29C2	 29D2	 29E2	 29F2
3	 2983	 2993	 29A3	 29B3	 29C3	 29D3	 29E3	 29F3
4	 2984	 2994	 29A4	 29B4	 29C4	 29D4	 29E4	 29F4
5	 2985	 2995	 29A5	 29B5	 29C5	 29D5	 29E5	 29F5
6	 2986	 2996	 29A6	 29B6	 29C6	 29D6	 29E6	 29F6
7	 2987	 2997	 29A7	 29B7	 29C7	 29D7	 29E7	 29F7
8	 2988	 2998	 29A8	 29B8	 29C8	 29D8	 29E8	 29F8
9	 2989	 2999	 29A9	 29B9	 29C9	 29D9	 29E9	 29F9
A	 298A	 299A	 29AA	 29BA	 29CA	 29DA	 29EA	 29FA
B	 298B	 299B	 29AB	 29BB	 29CB	 29DB	 29EB	 29FB
C	 298C	 299C	 29AC	 29BC	 29CC	 29DC	 29EC	 29FC
D	 298D	 299D	 29AD	 29BD	 29CD	 29DD	 29ED	 29FD
E	 298E	 299E	 29AE	 29BE	 29CE	 29DE	 29EE	 29FE
F	 298F	 299F	 29AF	 29BF	 29CF	 29DF	 29EF	 29FF

**Miscellaneous mathematical symbols**

- 2980  $\equiv$  TRIPLE VERTICAL BAR DELIMITER  
 → 2AF4  $\equiv$  triple vertical bar binary relation  
 → 2AFC  $\equiv$  large triple vertical bar operator
- 2981  $\bullet$  Z NOTATION SPOT  
 • medium-small-sized black circle  
 → 2219  $\bullet$  bullet operator  
 → 25CF  $\bullet$  black circle
- 2982  $\textcircled{8}$  Z NOTATION TYPE COLON  
 → 0F7F  $\textcircled{8}$  tibetan sign rnam bcad

**Brackets**

- 2983  $\{$  LEFT WHITE CURLY BRACKET
- 2984  $\}$  RIGHT WHITE CURLY BRACKET
- 2985  $($  LEFT WHITE PARENTHESIS  
 → 2E28  $($  left double parenthesis  
 → FF5F  $($  fullwidth left white parenthesis
- 2986  $)$  RIGHT WHITE PARENTHESIS  
 • used for Bourbakist intervals  
 → 2E29  $)$  right double parenthesis  
 → FF60  $)$  fullwidth right white parenthesis
- 2987  $\langle$  Z NOTATION LEFT IMAGE BRACKET
- 2988  $\rangle$  Z NOTATION RIGHT IMAGE BRACKET
- 2989  $\langle$  Z NOTATION LEFT BINDING BRACKET
- 298A  $\rangle$  Z NOTATION RIGHT BINDING BRACKET
- 298B  $[$  LEFT SQUARE BRACKET WITH UNDERBAR
- 298C  $]$  RIGHT SQUARE BRACKET WITH UNDERBAR
- 298D  $[$  LEFT SQUARE BRACKET WITH TICK IN TOP CORNER
- 298E  $]$  RIGHT SQUARE BRACKET WITH TICK IN BOTTOM CORNER
- 298F  $[$  LEFT SQUARE BRACKET WITH TICK IN BOTTOM CORNER
- 2990  $]$  RIGHT SQUARE BRACKET WITH TICK IN TOP CORNER
- 2991  $\langle$  LEFT ANGLE BRACKET WITH DOT
- 2992  $\rangle$  RIGHT ANGLE BRACKET WITH DOT
- 2993  $\lessgtr$  LEFT ARC LESS-THAN BRACKET
- 2994  $\gtrless$  RIGHT ARC GREATER-THAN BRACKET
- 2995  $\lessgtr$  DOUBLE LEFT ARC GREATER-THAN BRACKET
- 2996  $\gtrless$  DOUBLE RIGHT ARC LESS-THAN BRACKET
- 2997  $\lrcorner$  LEFT BLACK TORTOISE SHELL BRACKET  
 → 27EC  $\lrcorner$  mathematical left white tortoise shell bracket  
 → 3014  $\lrcorner$  left tortoise shell bracket  
 → 3018  $\lrcorner$  left white tortoise shell bracket
- 2998  $\rlcorner$  RIGHT BLACK TORTOISE SHELL BRACKET

**Fences**

- 2999  $\vdots$  DOTTED FENCE  
 • four close dots vertical
- 299A  $\z$  VERTICAL ZIGZAG LINE  
 → 2307  $\z$  wavy line

**Angles**

- 299B  $\sphericalangle$  MEASURED ANGLE OPENING LEFT  
 → 2221  $\sphericalangle$  measured angle
- 299C  $\textcircled{L}$  RIGHT ANGLE VARIANT WITH SQUARE  
 → 221F  $\textcircled{L}$  right angle
- 299D  $\textcircled{R}$  MEASURED RIGHT ANGLE WITH DOT
- 299E  $\sphericalangle$  ANGLE WITH S INSIDE
- 299F  $\sphericalangle$  ACUTE ANGLE
- 29A0  $\sphericalangle$  SPHERICAL ANGLE OPENING LEFT  
 → 2222  $\sphericalangle$  spherical angle

- 29A1  $\sphericalangle$  SPHERICAL ANGLE OPENING UP
- 29A2  $\sphericalangle$  TURNED ANGLE  
 → 2220  $\sphericalangle$  angle
- 29A3  $\sphericalangle$  REVERSED ANGLE
- 29A4  $\sphericalangle$  ANGLE WITH UNDERBAR
- 29A5  $\sphericalangle$  REVERSED ANGLE WITH UNDERBAR
- 29A6  $\sphericalangle$  OBLIQUE ANGLE OPENING UP
- 29A7  $\sphericalangle$  OBLIQUE ANGLE OPENING DOWN
- 29A8  $\sphericalangle$  MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING UP AND RIGHT
- 29A9  $\sphericalangle$  MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING UP AND LEFT
- 29AA  $\sphericalangle$  MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING DOWN AND RIGHT
- 29AB  $\sphericalangle$  MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING DOWN AND LEFT
- 29AC  $\sphericalangle$  MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING RIGHT AND UP
- 29AD  $\sphericalangle$  MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING LEFT AND UP
- 29AE  $\sphericalangle$  MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING RIGHT AND DOWN
- 29AF  $\sphericalangle$  MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING LEFT AND DOWN

**Empty sets**

- 29B0  $\emptyset$  REVERSED EMPTY SET  
 → 2205  $\emptyset$  empty set  
 → 2349  $\emptyset$  apl functional symbol circle backslash
- 29B1  $\overline{\emptyset}$  EMPTY SET WITH OVERBAR
- 29B2  $\overset{\circ}{\emptyset}$  EMPTY SET WITH SMALL CIRCLE ABOVE
- 29B3  $\overset{\rightarrow}{\emptyset}$  EMPTY SET WITH RIGHT ARROW ABOVE
- 29B4  $\overset{\leftarrow}{\emptyset}$  EMPTY SET WITH LEFT ARROW ABOVE

**Circle symbols**

- 29B5  $\ominus$  CIRCLE WITH HORIZONTAL BAR  
 → 2296  $\ominus$  circled minus
- 29B6  $\textcircled{1}$  CIRCLED VERTICAL BAR
- 29B7  $\textcircled{\parallel}$  CIRCLED PARALLEL
- 29B8  $\textcircled{\textcircled{R}}$  CIRCLED REVERSE SOLIDUS
- 29B9  $\textcircled{\perp}$  CIRCLED PERPENDICULAR
- 29BA  $\textcircled{\ominus}$  CIRCLE DIVIDED BY HORIZONTAL BAR AND TOP HALF DIVIDED BY VERTICAL BAR
- 29BB  $\textcircled{\otimes}$  CIRCLE WITH SUPERIMPOSED X  
 → 2297  $\textcircled{\otimes}$  circled times
- 29BC  $\textcircled{\div}$  CIRCLED ANTICLOCKWISE-ROTATED DIVISION SIGN
- 29BD  $\textcircled{\uparrow}$  UP ARROW THROUGH CIRCLE
- 29BE  $\textcircled{\bullet}$  CIRCLED WHITE BULLET  
 → 229A  $\textcircled{\bullet}$  circled ring operator  
 → 233E  $\textcircled{\bullet}$  apl functional symbol circle jot  
 → 25CE  $\textcircled{\bullet}$  bullseye
- 29BF  $\textcircled{\bullet}$  CIRCLED BULLET  
 • forms part of a graduated set of circles with enclosed black circle of different sizes  
 → 2299  $\textcircled{\bullet}$  circled dot operator  
 → 25C9  $\textcircled{\bullet}$  fisheye  
 → 2A00  $\textcircled{\bullet}$  n-ary circled dot operator
- 29C0  $\textcircled{<}$  CIRCLED LESS-THAN
- 29C1  $\textcircled{>}$  CIRCLED GREATER-THAN
- 29C2  $\textcircled{\circ}$  CIRCLE WITH SMALL CIRCLE TO THE RIGHT
- 29C3  $\textcircled{\textcircled{>}}$  CIRCLE WITH TWO HORIZONTAL STROKES TO THE RIGHT

**Square symbols**

- 29C4 ◻ SQUARED RISING DIAGONAL SLASH  
→ 2341 ◻ apl functional symbol quad slash  
→ 303C ◻ masu mark
- 29C5 ◻ SQUARED FALLING DIAGONAL SLASH  
→ 2342 ◻ apl functional symbol quad backslash
- 29C6 ◻ SQUARED ASTERISK
- 29C7 ◻ SQUARED SMALL CIRCLE  
→ 233B ◻ apl functional symbol quad jot
- 29C8 ◻ SQUARED SQUARE
- 29C9 ◻ TWO JOINED SQUARES

**Triangle symbols**

- 29CA △ TRIANGLE WITH DOT ABOVE
- 29CB △ TRIANGLE WITH UNDERBAR
- 29CC △ S IN TRIANGLE
- 29CD △ TRIANGLE WITH SERIFS AT BOTTOM  
→ 25B3 △ white up-pointing triangle
- 29CE ▽ RIGHT TRIANGLE ABOVE LEFT TRIANGLE
- 29CF ◁ LEFT TRIANGLE BESIDE VERTICAL BAR
- 29D0 ▷ VERTICAL BAR BESIDE RIGHT TRIANGLE

**Bowtie symbols**

- 29D1 ⌘ BOWTIE WITH LEFT HALF BLACK  
→ 22C8 ⌘ bowtie
- 29D2 ⌘ BOWTIE WITH RIGHT HALF BLACK
- 29D3 ⌘ BLACK BOWTIE
- 29D4 ⌘ TIMES WITH LEFT HALF BLACK  
→ 22C9 ⌘ left normal factor semidirect product
- 29D5 ⌘ TIMES WITH RIGHT HALF BLACK  
→ 22CA ⌘ right normal factor semidirect product
- 29D6 ⌘ WHITE HOURGLASS  
= vertical bowtie  
= white framus  
→ 231B ⌘ hourglass
- 29D7 ⌘ BLACK HOURGLASS

**Fences**

- 29D8 ⋈ LEFT WIGGLY FENCE  
→ FE34 } presentation form for vertical wavy low line
- 29D9 ⋈ RIGHT WIGGLY FENCE
- 29DA ⋈ LEFT DOUBLE WIGGLY FENCE
- 29DB ⋈ RIGHT DOUBLE WIGGLY FENCE

**Miscellaneous mathematical symbols**

- 29DC ∞ INCOMPLETE INFINITY  
= ISOtech entity &iinfin;  
→ 221E ∞ infinity
- 29DD ∞ TIE OVER INFINITY
- 29DE ∞ INFINITY NEGATED WITH VERTICAL BAR
- 29DF ∞ DOUBLE-ENDED MULTIMAP  
→ 22B8 → multimap
- 29E0 ◻ SQUARE WITH CONTOURED OUTLINE  
= D'Alembertian  
→ 274F ◻ lower right drop-shadowed white square
- 29E1 ≧ INCREASES AS  
→ 22B4 ≧ normal subgroup of or equal to
- 29E2 ≍ SHUFFLE PRODUCT  
→ 22FF E z notation bag membership

**Relations**

- 29E3 ≠ EQUALS SIGN AND SLANTED PARALLEL  
→ 0023 # number sign  
→ 22D5 ≠ equal and parallel to
- 29E4 ≠ EQUALS SIGN AND SLANTED PARALLEL WITH TILDE ABOVE
- 29E5 ≐ IDENTICAL TO AND SLANTED PARALLEL  
→ 2A68 ≐ triple horizontal bar with double vertical stroke
- 29E6 ≐ GLEICH STARK  
= tautological equivalent

**Miscellaneous mathematical symbols**

- 29E7 † THERMODYNAMIC  
• vertical bar crossed by two horizontals  
→ 2260 ≠ not equal to
- 29E8 ▼ DOWN-POINTING TRIANGLE WITH LEFT HALF BLACK  
→ 25ED ▲ up-pointing triangle with left half black
- 29E9 ▼ DOWN-POINTING TRIANGLE WITH RIGHT HALF BLACK  
→ 25EE ▲ up-pointing triangle with right half black
- 29EA ⬥ BLACK DIAMOND WITH DOWN ARROW
- 29EB ⬥ BLACK LOZENGE  
→ 25CA ⬥ lozenge
- 29EC ○ WHITE CIRCLE WITH DOWN ARROW
- 29ED ● BLACK CIRCLE WITH DOWN ARROW

**Error bar symbols**

- 29EE ◻ ERROR-BARRED WHITE SQUARE
- 29EF ◻ ERROR-BARRED BLACK SQUARE
- 29F0 ◊ ERROR-BARRED WHITE DIAMOND
- 29F1 ◊ ERROR-BARRED BLACK DIAMOND
- 29F2 ○ ERROR-BARRED WHITE CIRCLE
- 29F3 ● ERROR-BARRED BLACK CIRCLE

**Miscellaneous mathematical symbols**

- 29F4 ⇨ RULE-DELAYED  
= colon right arrow
- 29F5 \ REVERSE SOLIDUS OPERATOR  
→ 005C \ reverse solidus  
→ 2216 \ set minus
- 29F6 / SOLIDUS WITH OVERBAR
- 29F7 \ REVERSE SOLIDUS WITH HORIZONTAL STROKE  
→ 2340 \ apl functional symbol backslash bar

**Large operators**

- 29F8 / BIG SOLIDUS  
→ 2215 / division slash
- 29F9 \ BIG REVERSE SOLIDUS  
= z notation schema hiding  
→ 2216 \ set minus

**Specialized plus sign operators**

- 29FA # DOUBLE PLUS
- 29FB # TRIPLE PLUS

**Brackets**

- 29FC < LEFT-POINTING CURVED ANGLE BRACKET  
→ 227A < precedes  
→ 2329 < left-pointing angle bracket
- 29FD > RIGHT-POINTING CURVED ANGLE BRACKET  
→ 227B > succeeds  
→ 232A > right-pointing angle bracket

**Miscellaneous mathematical symbols**

29FE + TINY  
→ 002B + plus sign  
29FF - MINY  
→ 2212 - minus sign

	2A00	2A01	2A02	2A03	2A04	2A05	2A06	2A07	2A08	2A09	2AA0	2AB0	2AC0	2AD0	2AE0	2AF0
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7																
8																
9																
A																
B																
C																
D																
E																
F																

**N-ary operators**

- 2A00  $\odot$  N-ARY CIRCLED DOT OPERATOR  
→ 2299  $\odot$  circled dot operator  
→ 25C9  $\odot$  fisheye
- 2A01  $\oplus$  N-ARY CIRCLED PLUS OPERATOR  
→ 2295  $\oplus$  circled plus
- 2A02  $\otimes$  N-ARY CIRCLED TIMES OPERATOR  
→ 2297  $\otimes$  circled times  
→ 2B59  $\otimes$  heavy circled saltire
- 2A03  $\cup$  N-ARY UNION OPERATOR WITH DOT
- 2A04  $\cup$  N-ARY UNION OPERATOR WITH PLUS  
→ 228E  $\cup$  multiset union
- 2A05  $\sqcap$  N-ARY SQUARE INTERSECTION OPERATOR  
→ 2293  $\sqcap$  square cap
- 2A06  $\sqcup$  N-ARY SQUARE UNION OPERATOR  
→ 2294  $\sqcup$  square cup
- 2A07  $\pitchfork$  TWO LOGICAL AND OPERATOR  
= merge  
→ 2A55  $\pitchfork$  two intersecting logical and
- 2A08  $\vee$  TWO LOGICAL OR OPERATOR  
→ 2A56  $\vee$  two intersecting logical or
- 2A09  $\times$  N-ARY TIMES OPERATOR  
→ 00D7  $\times$  multiplication sign

**Summations and integrals**

- 2A0A  $\sum_2$  MODULO TWO SUM  
→ 2211  $\sum$  n-ary summation
- 2A0B  $\int$  SUMMATION WITH INTEGRAL
- 2A0C  $\iiint$  QUADRUPLE INTEGRAL OPERATOR  
→ 222D  $\iiint$  triple integral  
≈ 222B  $\int$  222B  $\int$  222B  $\int$  222B  $\int$
- 2A0D  $\int$  FINITE PART INTEGRAL
- 2A0E  $\int$  INTEGRAL WITH DOUBLE STROKE
- 2A0F  $\int$  INTEGRAL AVERAGE WITH SLASH
- 2A10  $\int$  CIRCULATION FUNCTION
- 2A11  $\int$  ANTICLOCKWISE INTEGRATION
- 2A12  $\int$  LINE INTEGRATION WITH RECTANGULAR PATH AROUND POLE
- 2A13  $\int$  LINE INTEGRATION WITH SEMICIRCULAR PATH AROUND POLE
- 2A14  $\int$  LINE INTEGRATION NOT INCLUDING THE POLE
- 2A15  $\oint$  INTEGRAL AROUND A POINT OPERATOR  
→ 222E  $\oint$  contour integral
- 2A16  $\int$  QUATERNION INTEGRAL OPERATOR
- 2A17  $\int$  INTEGRAL WITH LEFTWARDS ARROW WITH HOOK
- 2A18  $\int$  INTEGRAL WITH TIMES SIGN
- 2A19  $\int$  INTEGRAL WITH INTERSECTION
- 2A1A  $\int$  INTEGRAL WITH UNION
- 2A1B  $\int$  INTEGRAL WITH OVERBAR  
= upper integral
- 2A1C  $\int$  INTEGRAL WITH UNDERBAR  
= lower integral

**Miscellaneous large operators**

- 2A1D  $\bowtie$  JOIN  
= large bowtie  
• relational database theory  
→ 22C8  $\bowtie$  bowtie  
→ 27D7  $\bowtie$  full outer join
- 2A1E  $\triangleleft$  LARGE LEFT TRIANGLE OPERATOR  
• relational database theory  
→ 25C1  $\triangleleft$  white left-pointing triangle

- 2A1F  $\zeta$  Z NOTATION SCHEMA COMPOSITION  
→ 2A3E  $\zeta$  z notation relational composition
- 2A20  $\gg$  Z NOTATION SCHEMA PIPING  
→ 226B  $\gg$  much greater-than
- 2A21  $\uparrow$  Z NOTATION SCHEMA PROJECTION  
→ 21BE  $\uparrow$  upwards harpoon with barb rightwards

**Plus and minus sign operators**

- 2A22  $\plus$  PLUS SIGN WITH SMALL CIRCLE ABOVE
- 2A23  $\plus$  PLUS SIGN WITH CIRCUMFLEX ACCENT ABOVE
- 2A24  $\plus$  PLUS SIGN WITH TILDE ABOVE  
= positive difference or sum
- 2A25  $\plus$  PLUS SIGN WITH DOT BELOW  
→ 2214  $\plus$  dot plus
- 2A26  $\plus$  PLUS SIGN WITH TILDE BELOW  
= sum or positive difference
- 2A27  $\plus$  PLUS SIGN WITH SUBSCRIPT TWO  
= nim-addition
- 2A28  $\plus$  PLUS SIGN WITH BLACK TRIANGLE
- 2A29  $\minus$  MINUS SIGN WITH COMMA ABOVE
- 2A2A  $\minus$  MINUS SIGN WITH DOT BELOW  
→ 2238  $\minus$  dot minus
- 2A2B  $\minus$  MINUS SIGN WITH FALLING DOTS
- 2A2C  $\minus$  MINUS SIGN WITH RISING DOTS
- 2A2D  $\oplus$  PLUS SIGN IN LEFT HALF CIRCLE
- 2A2E  $\oplus$  PLUS SIGN IN RIGHT HALF CIRCLE

**Multiplication and division sign operators**

- 2A2F  $\times$  VECTOR OR CROSS PRODUCT  
→ 00D7  $\times$  multiplication sign
- 2A30  $\times$  MULTIPLICATION SIGN WITH DOT ABOVE
- 2A31  $\times$  MULTIPLICATION SIGN WITH UNDERBAR
- 2A32  $\times$  SEMIDIRECT PRODUCT WITH BOTTOM CLOSED
- 2A33  $\times$  SMASH PRODUCT
- 2A34  $\times$  MULTIPLICATION SIGN IN LEFT HALF CIRCLE
- 2A35  $\times$  MULTIPLICATION SIGN IN RIGHT HALF CIRCLE
- 2A36  $\otimes$  CIRCLED MULTIPLICATION SIGN WITH CIRCUMFLEX ACCENT
- 2A37  $\otimes$  MULTIPLICATION SIGN IN DOUBLE CIRCLE
- 2A38  $\oslash$  CIRCLED DIVISION SIGN

**Miscellaneous mathematical operators**

- 2A39  $\triangle$  PLUS SIGN IN TRIANGLE
- 2A3A  $\triangle$  MINUS SIGN IN TRIANGLE
- 2A3B  $\triangle$  MULTIPLICATION SIGN IN TRIANGLE
- 2A3C  $\dashv$  INTERIOR PRODUCT  
→ 230B  $\dashv$  right floor
- 2A3D  $\dashv$  RIGHTHAND INTERIOR PRODUCT  
→ 230A  $\dashv$  left floor  
→ 2319  $\dashv$  turned not sign
- 2A3E  $\zeta$  Z NOTATION RELATIONAL COMPOSITION  
→ 2A1F  $\zeta$  z notation schema composition
- 2A3F  $\sqcup$  AMALGAMATION OR COPRODUCT  
→ 2210  $\sqcup$  n-ary coproduct

**Intersections and unions**

- 2A40  $\cap$  INTERSECTION WITH DOT  
→ 2227  $\cap$  logical and  
→ 27D1  $\cap$  and with dot
- 2A41  $\cup$  UNION WITH MINUS SIGN  
= z notation bag subtraction  
→ 228E  $\cup$  multiset union
- 2A42  $\bar{\cup}$  UNION WITH OVERBAR
- 2A43  $\bar{\cap}$  INTERSECTION WITH OVERBAR





2A91	≠	LESS-THAN ABOVE GREATER-THAN ABOVE DOUBLE-LINE EQUAL
2A92	≠	GREATER-THAN ABOVE LESS-THAN ABOVE DOUBLE-LINE EQUAL
2A93	≠	LESS-THAN ABOVE SLANTED EQUAL ABOVE GREATER-THAN ABOVE SLANTED EQUAL
2A94	≠	GREATER-THAN ABOVE SLANTED EQUAL ABOVE LESS-THAN ABOVE SLANTED EQUAL
2A95	≠	SLANTED EQUAL TO OR LESS-THAN → 22DC ≧ equal to or less-than
2A96	≠	SLANTED EQUAL TO OR GREATER-THAN → 22DD ≧ equal to or greater-than
2A97	≠	SLANTED EQUAL TO OR LESS-THAN WITH DOT INSIDE
2A98	≠	SLANTED EQUAL TO OR GREATER-THAN WITH DOT INSIDE
2A99	≠	DOUBLE-LINE EQUAL TO OR LESS-THAN → 22DC ≧ equal to or less-than
2A9A	≠	DOUBLE-LINE EQUAL TO OR GREATER-THAN → 22DD ≧ equal to or greater-than
2A9B	≠	DOUBLE-LINE SLANTED EQUAL TO OR LESS-THAN
2A9C	≠	DOUBLE-LINE SLANTED EQUAL TO OR GREATER-THAN
2A9D	≈	SIMILAR OR LESS-THAN
2A9E	≈	SIMILAR OR GREATER-THAN
2A9F	≈	SIMILAR ABOVE LESS-THAN ABOVE EQUALS SIGN
2AA0	≈	SIMILAR ABOVE GREATER-THAN ABOVE EQUALS SIGN
2AA1	≠	DOUBLE NESTED LESS-THAN = absolute continuity → 226A ≪ much less-than
2AA2	≠	DOUBLE NESTED GREATER-THAN → 226B ≫ much greater-than
2AA3	≠	DOUBLE NESTED LESS-THAN WITH UNDERBAR
2AA4	≠	GREATER-THAN OVERLAPPING LESS-THAN
2AA5	≠	GREATER-THAN BESIDE LESS-THAN
2AA6	△	LESS-THAN CLOSED BY CURVE
2AA7	▽	GREATER-THAN CLOSED BY CURVE
2AA8	△	LESS-THAN CLOSED BY CURVE ABOVE SLANTED EQUAL
2AA9	▽	GREATER-THAN CLOSED BY CURVE ABOVE SLANTED EQUAL
2AAA	≠	SMALLER THAN
2AAB	≠	LARGER THAN
2AAC	≠	SMALLER THAN OR EQUAL TO
2AAD	≠	LARGER THAN OR EQUAL TO
2AAE	≠	EQUALS SIGN WITH BUMPY ABOVE → 224F ≐ difference between
2AAF	≠	PRECEDES ABOVE SINGLE-LINE EQUALS SIGN → 227C ≦ precedes or equal to
2AB0	≠	SUCCEEDS ABOVE SINGLE-LINE EQUALS SIGN → 227D ≧ succeeds or equal to
2AB1	≠	PRECEDES ABOVE SINGLE-LINE NOT EQUAL TO
2AB2	≠	SUCCEEDS ABOVE SINGLE-LINE NOT EQUAL TO
2AB3	≠	PRECEDES ABOVE EQUALS SIGN
2AB4	≠	SUCCEEDS ABOVE EQUALS SIGN
2AB5	≠	PRECEDES ABOVE NOT EQUAL TO
2AB6	≠	SUCCEEDS ABOVE NOT EQUAL TO
2AB7	≠	PRECEDES ABOVE ALMOST EQUAL TO
2AB8	≠	SUCCEEDS ABOVE ALMOST EQUAL TO
2AB9	≠	PRECEDES ABOVE NOT ALMOST EQUAL TO

2ABA	≠	SUCCEEDS ABOVE NOT ALMOST EQUAL TO
2ABB	≠	DOUBLE PRECEDES
2ABC	≠	DOUBLE SUCCEEDS

**Subset and superset relations**

2ABD	⊆	SUBSET WITH DOT
2ABE	⊇	SUPERSET WITH DOT
2ABF	⊆	SUBSET WITH PLUS SIGN BELOW
2AC0	⊇	SUPERSET WITH PLUS SIGN BELOW
2AC1	⊆	SUBSET WITH MULTIPLICATION SIGN BELOW
2AC2	⊇	SUPERSET WITH MULTIPLICATION SIGN BELOW
2AC3	⊆	SUBSET OF OR EQUAL TO WITH DOT ABOVE
2AC4	⊇	SUPERSET OF OR EQUAL TO WITH DOT ABOVE
2AC5	⊆	SUBSET OF ABOVE EQUALS SIGN
2AC6	⊇	SUPERSET OF ABOVE EQUALS SIGN
2AC7	⊆	SUBSET OF ABOVE TILDE OPERATOR
2AC8	⊇	SUPERSET OF ABOVE TILDE OPERATOR
2AC9	⊆	SUBSET OF ABOVE ALMOST EQUAL TO
2ACA	⊇	SUPERSET OF ABOVE ALMOST EQUAL TO
2ACB	⊆	SUBSET OF ABOVE NOT EQUAL TO
2ACC	⊇	SUPERSET OF ABOVE NOT EQUAL TO
2ACD	⊆	SQUARE LEFT OPEN BOX OPERATOR
2ACE	⊇	SQUARE RIGHT OPEN BOX OPERATOR
2ACF	⊆	CLOSED SUBSET → 2282 ⊆ subset of
2AD0	⊇	CLOSED SUPERSET → 2283 ⊇ superset of
2AD1	⊆	CLOSED SUBSET OR EQUAL TO
2AD2	⊇	CLOSED SUPERSET OR EQUAL TO
2AD3	⊆	SUBSET ABOVE SUPERSET
2AD4	⊇	SUPERSET ABOVE SUBSET
2AD5	⊆	SUBSET ABOVE SUBSET
2AD6	⊇	SUPERSET ABOVE SUPERSET
2AD7	⊆	SUPERSET BESIDE SUBSET
2AD8	⊆	SUPERSET BESIDE AND JOINED BY DASH WITH SUBSET

**Forks**

2AD9	⊆	ELEMENT OF OPENING DOWNWARDS → 2208 ∈ element of → 27D2 ⊆ element of opening upwards
2ADA	⊆	PITCHFORK WITH TEE TOP → 22D4 ⊆ pitchfork
2ADB	⊆	TRANSVERSAL INTERSECTION → 22D4 ⊆ pitchfork
2ADC	⊆	FORKING = not independent • an equational logic symbol, not a computing science symbol • non-independence (original concept) is related to forking ≡ 2ADD ⊆ 0338 ≠
2ADD	⊆	NONFORKING = independent • an equational logic symbol, not a computing science symbol • independence (original concept) is related to non-forking

**Tacks and turnstiles**

2ADE	⊆	SHORT LEFT TACK → 22A3 ⊆ left tack
2ADF	⊆	SHORT DOWN TACK → 22A4 ⊆ down tack

2AE0	$\perp$	SHORT UP TACK → 22A5 $\perp$ up tack
2AE1	$\perp\!\!\!\perp$	PERPENDICULAR WITH S
2AE2	$\equiv$	VERTICAL BAR TRIPLE RIGHT TURNSTILE = ordinarily satisfies
2AE3	$\dashv$	DOUBLE VERTICAL BAR LEFT TURNSTILE → 22A9 $\dashv$ forces
2AE4	$\Leftrightarrow$	VERTICAL BAR DOUBLE LEFT TURNSTILE → 22A8 $\Leftrightarrow$ true
2AE5	$\Leftrightarrow\!\!\!\Leftrightarrow$	DOUBLE VERTICAL BAR DOUBLE LEFT TURNSTILE
2AE6	$\Vdash$	LONG DASH FROM LEFT MEMBER OF DOUBLE VERTICAL → 22A9 $\Vdash$ forces
2AE7	$\overline{\dashv}$	SHORT DOWN TACK WITH OVERBAR → 22A4 $\overline{\dashv}$ down tack → 2351 $\overline{\dashv}$ apl functional symbol up tack overbar
2AE8	$\underline{\perp}$	SHORT UP TACK WITH UNDERBAR → 22A5 $\underline{\perp}$ up tack → 234A $\underline{\perp}$ apl functional symbol down tack underbar
2AE9	$\overline{\dashv}$	SHORT TACK ABOVE SHORT DOWN TACK
2AEA	$\overline{\overline{\dashv}}$	DOUBLE DOWN TACK
2AEB	$\perp\!\!\!\perp$	DOUBLE UP TACK = independence • probability theory
2AEC	$\Rightarrow$	DOUBLE STROKE NOT SIGN → 00AC $\Rightarrow$ not sign
2AED	$\Leftarrow$	REVERSED DOUBLE STROKE NOT SIGN → 2310 $\Leftarrow$ reversed not sign

**Vertical line operators**

2AEE	$\nmid$	DOES NOT DIVIDE WITH REVERSED NEGATION SLASH → 2224 $\nmid$ does not divide
2AEF	$\upharpoonright$	VERTICAL LINE WITH CIRCLE ABOVE
2AF0	$\downharpoonright$	VERTICAL LINE WITH CIRCLE BELOW
2AF1	$\downdownarrows$	DOWN TACK WITH CIRCLE BELOW = necessarily satisfies → 27DF $\downdownarrows$ up tack with circle above
2AF2	$\nparallel$	PARALLEL WITH HORIZONTAL STROKE → 2226 $\nparallel$ not parallel to → 27CA $\nparallel$ vertical bar with horizontal stroke
2AF3	$\nTilde$	PARALLEL WITH TILDE OPERATOR
2AF4	$\equiv\!\!\!\equiv$	TRIPLE VERTICAL BAR BINARY RELATION = interleave → 2980 $\equiv\!\!\!\equiv$ triple vertical bar delimiter
2AF5	$\equiv\!\!\!\equiv\!\!\!\equiv$	TRIPLE VERTICAL BAR WITH HORIZONTAL STROKE → 27CA $\equiv\!\!\!\equiv\!\!\!\equiv$ vertical bar with horizontal stroke

**Miscellaneous mathematical operator**

2AF6	$\vdots$	TRIPLE COLON OPERATOR • logic → 205D $\vdots$ tricolon → 22EE $\vdots$ vertical ellipsis
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**Relations**

2AF7	$\lll$	TRIPLE NESTED LESS-THAN → 22D8 $\lll$ very much less-than
2AF8	$\ggg$	TRIPLE NESTED GREATER-THAN → 22D9 $\ggg$ very much greater-than
2AF9	$\gtrsim$	DOUBLE-LINE SLANTED LESS-THAN OR EQUAL TO → 2266 $\gtrsim$ less-than over equal to

2AFA	$\gtrsim$	DOUBLE-LINE SLANTED GREATER-THAN OR EQUAL TO → 2267 $\gtrsim$ greater-than over equal to
2AFB	$\equiv\!\!\!\equiv$	TRIPLE SOLIDUS BINARY RELATION → 2AF4 $\equiv\!\!\!\equiv$ triple vertical bar binary relation

**Operators**

2AFC	$\equiv\!\!\!\equiv\!\!\!\equiv$	LARGE TRIPLE VERTICAL BAR OPERATOR • often n-ary → 2AF4 $\equiv\!\!\!\equiv\!\!\!\equiv$ triple vertical bar binary relation → 2980 $\equiv\!\!\!\equiv\!\!\!\equiv$ triple vertical bar delimiter
2AFD	$\parallel$	DOUBLE SOLIDUS OPERATOR → 2225 $\parallel$ parallel to
2AFE	$\ $	WHITE VERTICAL BAR = Dijkstra choice
2AFF	$\ $	N-ARY WHITE VERTICAL BAR = n-ary Dijkstra choice

	2B00	2B01	2B02	2B03	2B04	2B05	2B06	2B07	2B08	2B09	2B0A	2B0B	2B0C	2B0D	2B0E	2B0F
0																
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**White and black arrows**

Other white and black arrows to complete this set can be found in the *Arrows and Dingbats* blocks.

2B00	↗	NORTH EAST WHITE ARROW
2B01	↖	NORTH WEST WHITE ARROW
2B02	↘	SOUTH EAST WHITE ARROW
2B03	↙	SOUTH WEST WHITE ARROW
2B04	↔	LEFT RIGHT WHITE ARROW → 21E6 ↔ leftwards white arrow → 21F3 ⇕ up down white arrow
2B05	←	LEFTWARDS BLACK ARROW → 27A1 → black rightwards arrow
2B06	↑	UPWARDS BLACK ARROW
2B07	↓	DOWNWARDS BLACK ARROW
2B08	↗	NORTH EAST BLACK ARROW
2B09	↖	NORTH WEST BLACK ARROW
2B0A	↘	SOUTH EAST BLACK ARROW
2B0B	↙	SOUTH WEST BLACK ARROW
2B0C	↔	LEFT RIGHT BLACK ARROW
2B0D	⇕	UP DOWN BLACK ARROW

**Arrows with bent tips**

Other arrows with bent tips to complete this set can be found in the *Arrows* block.

2B0E	↘	RIGHTWARDS ARROW WITH TIP DOWNWARDS
2B0F	↙	RIGHTWARDS ARROW WITH TIP UPWARDS
2B10	↖	LEFTWARDS ARROW WITH TIP DOWNWARDS
2B11	↗	LEFTWARDS ARROW WITH TIP UPWARDS

**Squares**

2B12	◼	SQUARE WITH TOP HALF BLACK → 25E7 ◼ square with left half black
2B13	◻	SQUARE WITH BOTTOM HALF BLACK
2B14	◼	SQUARE WITH UPPER RIGHT DIAGONAL HALF BLACK
2B15	◼	SQUARE WITH LOWER LEFT DIAGONAL HALF BLACK

**Diamonds**

2B16	◊	DIAMOND WITH LEFT HALF BLACK
2B17	◊	DIAMOND WITH RIGHT HALF BLACK
2B18	◊	DIAMOND WITH TOP HALF BLACK
2B19	◊	DIAMOND WITH BOTTOM HALF BLACK

**Squares**

2B1A	◻	DOTTED SQUARE
2B1B	◼	BLACK LARGE SQUARE → 25A0 ◼ black square
2B1C	◻	WHITE LARGE SQUARE → 25A1 ◻ white square
2B1D	▪	BLACK VERY SMALL SQUARE → 25AA ▪ black small square
2B1E	▪	WHITE VERY SMALL SQUARE → 25AB ▪ white small square

**Pentagons**

2B1F	⬠	BLACK PENTAGON
2B20	⬡	WHITE PENTAGON

**Hexagons**

2B21	⬢	WHITE HEXAGON
2B22	⬤	BLACK HEXAGON
2B23	⬢	HORIZONTAL BLACK HEXAGON

**Circle**

2B24	●	BLACK LARGE CIRCLE → 25CF ● black circle → 25EF ○ large circle
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**Diamonds and lozenges**

2B25	◆	BLACK MEDIUM DIAMOND → 25C6 ◆ black diamond
2B26	◇	WHITE MEDIUM DIAMOND
2B27	◊	BLACK MEDIUM LOZENGE
2B28	◇	WHITE MEDIUM LOZENGE → 25CA ◇ lozenge
2B29	◆	BLACK SMALL DIAMOND → 22C4 ◆ diamond operator
2B2A	◊	BLACK SMALL LOZENGE
2B2B	◇	WHITE SMALL LOZENGE

**Ellipses**

2B2C	●	BLACK HORIZONTAL ELLIPSE
2B2D	○	WHITE HORIZONTAL ELLIPSE
2B2E	●	BLACK VERTICAL ELLIPSE
2B2F	○	WHITE VERTICAL ELLIPSE

**Mathematical arrows**

These provide the opposite direction complement for arrows for mathematical use not originally encoded in both a leftwards and rightwards direction.

2B30	↔	LEFT ARROW WITH SMALL CIRCLE → 21F4 ↔ right arrow with small circle
2B31	≡	THREE LEFTWARDS ARROWS → 21F6 ≡ three rightwards arrows
2B32	⊕	LEFT ARROW WITH CIRCLED PLUS → 27F4 ⊕ right arrow with circled plus
2B33	↔	LONG LEFTWARDS SQUIGGLE ARROW → 27FF ↔ long rightwards squiggle arrow → 21DC ↔ leftwards squiggle arrow
2B34	↔	LEFTWARDS TWO-HEADED ARROW WITH VERTICAL STROKE → 2900 ↔ rightwards two-headed arrow with vertical stroke
2B35	↔	LEFTWARDS TWO-HEADED ARROW WITH DOUBLE VERTICAL STROKE → 2901 ↔ rightwards two-headed arrow with double vertical stroke
2B36	↔	LEFTWARDS TWO-HEADED ARROW FROM BAR → 2905 ↔ rightwards two-headed arrow from bar
2B37	↔	LEFTWARDS TWO-HEADED TRIPLE DASH ARROW → 2910 ↔ rightwards two-headed triple dash arrow
2B38	↔	LEFTWARDS ARROW WITH DOTTED STEM → 2911 ↔ rightwards arrow with dotted stem
2B39	↔	LEFTWARDS ARROW WITH TAIL WITH VERTICAL STROKE → 2914 ↔ rightwards arrow with tail with vertical stroke
2B3A	↔	LEFTWARDS ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE → 2915 ↔ rightwards arrow with tail with double vertical stroke
2B3B	↔	LEFTWARDS TWO-HEADED ARROW WITH TAIL → 2916 ↔ rightwards two-headed arrow with tail

2B3C ⇐ LEFTWARDS TWO-HEADED ARROW WITH TAIL WITH VERTICAL STROKE

→ 2917 ⇐ rightwards two-headed arrow with tail with vertical stroke

2B3D ⇐ LEFTWARDS TWO-HEADED ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE

→ 2918 ⇐ rightwards two-headed arrow with tail with double vertical stroke

2B3E ⇐ LEFTWARDS ARROW THROUGH X

→ 2947 ⇐ rightwards arrow through x

2B3F ↶ WAVE ARROW POINTING DIRECTLY LEFT

→ 2933 ↶ wave arrow pointing directly right  
→ 219C ↶ leftwards wave arrow

2B40 ⇐ EQUALS SIGN ABOVE LEFTWARDS ARROW

→ 2971 ⇐ equals sign above rightwards arrow

2B41 ⇐ REVERSE TILDE OPERATOR ABOVE LEFTWARDS ARROW

• mirror image of “⇐”

→ 2972 ⇐ tilde operator above rightwards arrow

2B42 ⇐ LEFTWARDS ARROW ABOVE REVERSE ALMOST EQUAL TO

• mirror image of “⇐”

→ 2975 ⇐ rightwards arrow above almost equal to

2B43 ➤ RIGHTWARDS ARROW THROUGH GREATER-THAN

• mirror image of “<”

→ 2977 < leftwards arrow through less-than

2B44 ➤ RIGHTWARDS ARROW THROUGH SUPERSET

• mirror image of “⊆”

→ 297A ⊆ leftwards arrow through subset

2B45 ⇐ LEFTWARDS QUADRUPLE ARROW

→ 27F0 ⇐ upwards quadruple arrow

2B46 ⇐ RIGHTWARDS QUADRUPLE ARROW

2B47 ⇐ REVERSE TILDE OPERATOR ABOVE RIGHTWARDS ARROW

2B48 ⇐ RIGHTWARDS ARROW ABOVE REVERSE ALMOST EQUAL TO

2B49 ⇐ TILDE OPERATOR ABOVE LEFTWARDS ARROW

2B4A ⇐ LEFTWARDS ARROW ABOVE ALMOST EQUAL TO

2B4B ⇐ LEFTWARDS ARROW ABOVE REVERSE TILDE OPERATOR

• mirror image of “⇐”

→ 2974 ⇐ rightwards arrow above tilde operator

2B4C ➤ RIGHTWARDS ARROW ABOVE REVERSE TILDE OPERATOR

• mirror image of “⇐”

→ 2973 ⇐ leftwards arrow above tilde operator

### Stars

2B50 ★ WHITE MEDIUM STAR

→ 22C6 ★ star operator

2B51 ★ BLACK SMALL STAR

→ 066D ★ arabic five pointed star

2B52 ★ WHITE SMALL STAR

### Pentagons

2B53 ⬛ BLACK RIGHT-POINTING PENTAGON

2B54 ⬜ WHITE RIGHT-POINTING PENTAGON

### Traffic sign from ARIB STD B24

2B55 ○ HEAVY LARGE CIRCLE

= basic symbol for speed limit

→ 25EF ○ large circle

### Dictionary and map symbols from ARIB STD B24

2B56 ◎ HEAVY OVAL WITH OVAL INSIDE

= prefectural office

2B57 ◎ HEAVY CIRCLE WITH CIRCLE INSIDE

= municipal office

→ 25CE ◎ bullseye

2B58 ○ HEAVY CIRCLE

= town or village office

→ 25CB ○ white circle

2B59 ⊗ HEAVY CIRCLED SALTIRE

= police station

→ 2A02 ⊗ n-ary circled times operator

	2C0	2C1	2C2	2C3	2C4	2C5
0	Ɱ 2C00	Ɱ 2C10	Ɱ 2C20	Ɱ 2C30	Ɱ 2C40	Ɱ 2C50
1	Ɱ 2C01	Ɱ 2C11	Ɱ 2C21	Ɱ 2C31	Ɱ 2C41	Ɱ 2C51
2	Ɱ 2C02	Ɱ 2C12	Ɱ 2C22	Ɱ 2C32	Ɱ 2C42	Ɱ 2C52
3	Ɱ 2C03	Ɱ 2C13	Ɱ 2C23	Ɱ 2C33	Ɱ 2C43	Ɱ 2C53
4	Ɱ 2C04	Ɱ 2C14	Ɱ 2C24	Ɱ 2C34	Ɱ 2C44	Ɱ 2C54
5	Ɱ 2C05	Ɱ 2C15	Ɱ 2C25	Ɱ 2C35	Ɱ 2C45	Ɱ 2C55
6	Ɱ 2C06	Ɱ 2C16	Ɱ 2C26	Ɱ 2C36	Ɱ 2C46	Ɱ 2C56
7	Ɱ 2C07	Ɱ 2C17	Ɱ 2C27	Ɱ 2C37	Ɱ 2C47	Ɱ 2C57
8	Ɱ 2C08	Ɱ 2C18	Ɱ 2C28	Ɱ 2C38	Ɱ 2C48	Ɱ 2C58
9	Ɱ 2C09	Ɱ 2C19	Ɱ 2C29	Ɱ 2C39	Ɱ 2C49	Ɱ 2C59
A	Ɱ 2C0A	Ɱ 2C1A	Ɱ 2C2A	Ɱ 2C3A	Ɱ 2C4A	Ɱ 2C5A
B	Ɱ 2C0B	Ɱ 2C1B	Ɱ 2C2B	Ɱ 2C3B	Ɱ 2C4B	Ɱ 2C5B
C	Ɱ 2C0C	Ɱ 2C1C	Ɱ 2C2C	Ɱ 2C3C	Ɱ 2C4C	Ɱ 2C5C
D	Ɱ 2C0D	Ɱ 2C1D	Ɱ 2C2D	Ɱ 2C3D	Ɱ 2C4D	Ɱ 2C5D
E	Ɱ 2C0E	Ɱ 2C1E	Ɱ 2C2E	Ɱ 2C3E	Ɱ 2C4E	Ɱ 2C5E
F	Ɱ 2C0F	Ɱ 2C1F		Ɱ 2C3F	Ɱ 2C4F	

**Capital letters**

2C00	ⱦ	GLAGOLITIC CAPITAL LETTER AZU	2C39	ⱦ	GLAGOLITIC SMALL LETTER IZHE
2C01	Ⱨ	GLAGOLITIC CAPITAL LETTER BUKY	2C3A	ⱦ	GLAGOLITIC SMALL LETTER INITIAL IZHE → A647 ⱦ cyrillic small letter iota
2C02	ⱨ	GLAGOLITIC CAPITAL LETTER VEDE	2C3B	ⱦ	GLAGOLITIC SMALL LETTER I
2C03	Ⱪ	GLAGOLITIC CAPITAL LETTER GLAGOLI	2C3C	ⱦ	GLAGOLITIC SMALL LETTER DJERVI
2C04	ⱪ	GLAGOLITIC CAPITAL LETTER DOBRO	2C3D	ⱦ	GLAGOLITIC SMALL LETTER KAKO
2C05	Ⱬ	GLAGOLITIC CAPITAL LETTER YESTU	2C3E	ⱦ	GLAGOLITIC SMALL LETTER LJUDIJE
2C06	ⱬ	GLAGOLITIC CAPITAL LETTER ZHIVETE	2C3F	ⱦ	GLAGOLITIC SMALL LETTER MYSLITE
2C07	Ɑ	GLAGOLITIC CAPITAL LETTER DZELO	2C40	ⱦ	GLAGOLITIC SMALL LETTER NASHI
2C08	Ɱ	GLAGOLITIC CAPITAL LETTER ZEMLJA	2C41	ⱦ	GLAGOLITIC SMALL LETTER ONU
2C09	Ɐ	GLAGOLITIC CAPITAL LETTER IZHE	2C42	ⱦ	GLAGOLITIC SMALL LETTER POKOJI
2C0A	Ɒ	GLAGOLITIC CAPITAL LETTER INITIAL IZHE	2C43	ⱦ	GLAGOLITIC SMALL LETTER RITSI
2C0B	ⱱ	GLAGOLITIC CAPITAL LETTER I	2C44	ⱦ	GLAGOLITIC SMALL LETTER SLOVO
2C0C	Ⱳ	GLAGOLITIC CAPITAL LETTER DJERVI	2C45	ⱦ	GLAGOLITIC SMALL LETTER TVRIDO
2C0D	ⱳ	GLAGOLITIC CAPITAL LETTER KAKO	2C46	ⱦ	GLAGOLITIC SMALL LETTER UKU
2C0E	ⱴ	GLAGOLITIC CAPITAL LETTER LJUDIJE	2C47	ⱦ	GLAGOLITIC SMALL LETTER FRITU
2C0F	Ⱶ	GLAGOLITIC CAPITAL LETTER MYSLITE	2C48	ⱦ	GLAGOLITIC SMALL LETTER HERU
2C10	ⱶ	GLAGOLITIC CAPITAL LETTER NASHI	2C49	ⱦ	GLAGOLITIC SMALL LETTER OTU
2C11	ⱷ	GLAGOLITIC CAPITAL LETTER ONU	2C4A	ⱦ	GLAGOLITIC SMALL LETTER PE
2C12	ⱸ	GLAGOLITIC CAPITAL LETTER POKOJI	2C4B	ⱦ	GLAGOLITIC SMALL LETTER SHTA
2C13	ⱹ	GLAGOLITIC CAPITAL LETTER RITSI	2C4C	ⱦ	GLAGOLITIC SMALL LETTER TSI
2C14	ⱺ	GLAGOLITIC CAPITAL LETTER SLOVO	2C4D	ⱦ	GLAGOLITIC SMALL LETTER CHRIVI
2C15	ⱻ	GLAGOLITIC CAPITAL LETTER TVRIDO	2C4E	ⱦ	GLAGOLITIC SMALL LETTER SHA
2C16	ⱼ	GLAGOLITIC CAPITAL LETTER UKU	2C4F	ⱦ	GLAGOLITIC SMALL LETTER YERU
2C17	ⱽ	GLAGOLITIC CAPITAL LETTER FRITU	2C50	ⱦ	GLAGOLITIC SMALL LETTER YERI
2C18	Ȿ	GLAGOLITIC CAPITAL LETTER HERU	2C51	ⱦ	GLAGOLITIC SMALL LETTER YATI
2C19	Ɀ	GLAGOLITIC CAPITAL LETTER OTU	2C52	ⱦ	GLAGOLITIC SMALL LETTER SPIDERY HA
2C1A	Ⰰ	GLAGOLITIC CAPITAL LETTER PE	2C53	ⱦ	GLAGOLITIC SMALL LETTER YU
2C1B	Ⰱ	GLAGOLITIC CAPITAL LETTER SHTA	2C54	ⱦ	GLAGOLITIC SMALL LETTER SMALL YUS
2C1C	Ⰲ	GLAGOLITIC CAPITAL LETTER TSI	2C55	ⱦ	GLAGOLITIC SMALL LETTER SMALL YUS WITH TAIL
2C1D	Ⰳ	GLAGOLITIC CAPITAL LETTER CHRIVI	2C56	ⱦ	GLAGOLITIC SMALL LETTER YO
2C1E	Ⰴ	GLAGOLITIC CAPITAL LETTER SHA	2C57	ⱦ	GLAGOLITIC SMALL LETTER IOTATED SMALL YUS
2C1F	Ⰵ	GLAGOLITIC CAPITAL LETTER YERU	2C58	ⱦ	GLAGOLITIC SMALL LETTER BIG YUS
2C20	Ⰶ	GLAGOLITIC CAPITAL LETTER YERI	2C59	ⱦ	GLAGOLITIC SMALL LETTER IOTATED BIG YUS
2C21	Ⰷ	GLAGOLITIC CAPITAL LETTER YATI	2C5A	ⱦ	GLAGOLITIC SMALL LETTER FITA
2C22	Ⰸ	GLAGOLITIC CAPITAL LETTER SPIDERY HA	2C5B	ⱦ	GLAGOLITIC SMALL LETTER IZHITSA
2C23	Ⰹ	GLAGOLITIC CAPITAL LETTER YU	2C5C	ⱦ	GLAGOLITIC SMALL LETTER SHTAPIC
2C24	Ⰺ	GLAGOLITIC CAPITAL LETTER SMALL YUS	2C5D	ⱦ	GLAGOLITIC SMALL LETTER TROKUTASTI A
2C25	Ⰻ	GLAGOLITIC CAPITAL LETTER SMALL YUS WITH TAIL	2C5E	ⱦ	GLAGOLITIC SMALL LETTER LATINATE MYSLITE
2C26	Ⰼ	GLAGOLITIC CAPITAL LETTER YO			
2C27	Ⰽ	GLAGOLITIC CAPITAL LETTER IOTATED SMALL YUS			
2C28	Ⰾ	GLAGOLITIC CAPITAL LETTER BIG YUS			
2C29	Ⰿ	GLAGOLITIC CAPITAL LETTER IOTATED BIG YUS			
2C2A	Ⱀ	GLAGOLITIC CAPITAL LETTER FITA			
2C2B	Ⱁ	GLAGOLITIC CAPITAL LETTER IZHITSA			
2C2C	Ⱂ	GLAGOLITIC CAPITAL LETTER SHTAPIC			
2C2D	Ⱃ	GLAGOLITIC CAPITAL LETTER TROKUTASTI A			
2C2E	Ⱄ	GLAGOLITIC CAPITAL LETTER LATINATE MYSLITE			

**Small letters**

2C30	ⱦ	GLAGOLITIC SMALL LETTER AZU
2C31	Ⱨ	GLAGOLITIC SMALL LETTER BUKY
2C32	ⱨ	GLAGOLITIC SMALL LETTER VEDE
2C33	Ⱪ	GLAGOLITIC SMALL LETTER GLAGOLI
2C34	ⱪ	GLAGOLITIC SMALL LETTER DOBRO
2C35	Ⱬ	GLAGOLITIC SMALL LETTER YESTU
2C36	ⱬ	GLAGOLITIC SMALL LETTER ZHIVETE
2C37	Ɑ	GLAGOLITIC SMALL LETTER DZELO
2C38	Ɱ	GLAGOLITIC SMALL LETTER ZEMLJA



	2C6	2C7
0	Ł 2C60	Đ 2C70
1	ł 2C61	đ 2C71
2	Ł 2C62	Ŵ 2C72
3	Ṗ 2C63	ŵ 2C73
4	Ṛ 2C64	ŗ 2C74
5	ǻ 2C65	ƒ 2C75
6	ƚ 2C66	Ƒ 2C76
7	Ҥ 2C67	Ϸ 2C77
8	ħ 2C68	ē 2C78
9	Ƙ 2C69	ƙ 2C79
A	ƚ 2C6A	Ƒ 2C7A
B	ƚ 2C6B	Ƒ 2C7B
C	ƚ 2C6C	ƙ 2C7C
D	ƚ 2C6D	Ƒ 2C7D
E	ƚ 2C6E	Ƒ 2C7E
F	ƚ 2C6F	Ƒ 2C7F

**Orthographic Latin additions**

2C60	Ł	LATIN CAPITAL LETTER L WITH DOUBLE BAR
2C61	ł	LATIN SMALL LETTER L WITH DOUBLE BAR
2C62	Ł̃	LATIN CAPITAL LETTER L WITH MIDDLE TILDE
		• lowercase is 026B ł
2C63	Ɔ	LATIN CAPITAL LETTER P WITH STROKE
		• lowercase is 1D7D Ɔ
2C64	Ŕ	LATIN CAPITAL LETTER R WITH TAIL
		• lowercase is 027D ŕ
2C65	Ǻ	LATIN SMALL LETTER A WITH STROKE
		• uppercase is 023A Ǻ
2C66	ƚ	LATIN SMALL LETTER T WITH DIAGONAL STROKE
		• uppercase is 023E ƚ

2C7F	Ƶ	LATIN CAPITAL LETTER Z WITH SWASH TAIL
		• lower case is 0240 ƶ

**Additions for Uighur**

2C67	Ɔ	LATIN CAPITAL LETTER H WITH DESCENDER
2C68	h	LATIN SMALL LETTER H WITH DESCENDER
2C69	Ɔ	LATIN CAPITAL LETTER K WITH DESCENDER
2C6A	k	LATIN SMALL LETTER K WITH DESCENDER
2C6B	Ƶ	LATIN CAPITAL LETTER Z WITH DESCENDER
2C6C	z	LATIN SMALL LETTER Z WITH DESCENDER

**Miscellaneous additions**

2C6D	Ɔ	LATIN CAPITAL LETTER ALPHA
		• lowercase is 0251 α
2C6E	Ɔ	LATIN CAPITAL LETTER M WITH HOOK
		• lowercase is 0271 m̂
2C6F	Ɔ	LATIN CAPITAL LETTER TURNED A
		• lowercase is 0250 â
2C70	Ɔ	LATIN CAPITAL LETTER TURNED ALPHA
		• lowercase is 0252 α̂
2C71	v̂	LATIN SMALL LETTER V WITH RIGHT HOOK
2C72	Ɔ	LATIN CAPITAL LETTER W WITH HOOK
2C73	ŵ	LATIN SMALL LETTER W WITH HOOK
2C74	v̂	LATIN SMALL LETTER V WITH CURL

**Claudian letters**

*Claudian letters in inscriptions are uppercase, but may be transcribed by scholars in lowercase.*

2C75	Ɔ	LATIN CAPITAL LETTER HALF H
		→ 0370 Ɔ greek capital letter heta
		→ 2132 Ɔ turned capital f
		→ 2183 Ɔ roman numeral reversed one hundred
2C76	Ɔ	LATIN SMALL LETTER HALF H
		→ 0371 Ɔ greek small letter heta

**Additions for UPA**

2C77	Ɔ	LATIN SMALL LETTER TAILLESS PHI
		• medium rounded o
2C78	e	LATIN SMALL LETTER E WITH NOTCH
2C79	ɹ	LATIN SMALL LETTER TURNED R WITH TAIL
2C7A	o	LATIN SMALL LETTER O WITH LOW RING INSIDE
2C7B	ɛ	LATIN LETTER SMALL CAPITAL TURNED E
2C7C	j	LATIN SUBSCRIPT SMALL LETTER J
		≈ <sub> 006A j
2C7D	v̂	MODIFIER LETTER CAPITAL V
		≈ <super> 0056 V

**Additions for Shona**

2C7E	Ƶ	LATIN CAPITAL LETTER S WITH SWASH TAIL
		• lower case is 023F ƶ

	2C8	2C9	2CA	2CB	2CC	2CD	2CE	2CF
0	Ⲁ 2C80	Ⲑ 2C90	Ⲡ 2CA0	Ⲫ 2CB0	Ⲥ 2CC0	Ⲏ 2CD0	Ⲫ 2CE0	Ⲁ̅ 2CF0
1	ⲁ 2C81	ⲑ 2C91	ⲡ 2CA1	ⲫ 2CB1	ⲥ 2CC1	ⲏ 2CD1	ⲩ 2CE1	ⲁ̅ 2CF1
2	Ⲃ 2C82	Ⲓ 2C92	Ⲣ 2CA2	Ⲭ 2CB2	Ⲧ 2CC2	Ⲑ 2CD2	Ⲫ 2CE2	
3	ⲃ 2C83	ⲓ 2C93	ⲣ 2CA3	ⲭ 2CB3	ⲧ 2CC3	ⲑ 2CD3	ⲫ 2CE3	
4	Ⲅ 2C84	Ⲕ 2C94	Ⲥ 2CA4	Ⲯ 2CB4	Ⲩ 2CC4	ⲓ 2CD4	Ⲭ 2CE4	
5	ⲅ 2C85	ⲕ 2C95	ⲥ 2CA5	ⲯ 2CB5	ⲩ 2CC5	Ⲕ 2CD5	ⲭ 2CE5	
6	Ⲇ 2C86	Ⲍ 2C96	Ⲧ 2CA6	Ⲱ 2CB6	Ⲫ 2CC6	ⲕ 2CD6	Ⲯ 2CE6	
7	ⲇ 2C87	ⲍ 2C97	ⲧ 2CA7	ⲱ 2CB7	ⲫ 2CC7	Ⲗ 2CD7	ⲯ 2CE7	
8	Ⲉ 2C88	Ⲏ 2C98	Ⲩ 2CA8	Ⲳ 2CB8	Ⲭ 2CC8	ⲗ 2CD8	Ⲱ 2CE8	
9	ⲉ 2C89	ⲏ 2C99	ⲩ 2CA9	ⲳ 2CB9	ⲭ 2CC9	Ⲙ 2CD9	ⲱ 2CE9	Ⲳ 2CF9
A	Ⲋ 2C8A	Ⲑ 2C9A	Ⲣ 2CAA	Ⲵ 2CBA	ⲧ 2CCA	ⲙ 2CDA	Ⲯ 2CEA	ⲳ 2CFA
B	ⲋ 2C8B	ⲑ 2C9B	ⲣ 2CAB	ⲵ 2CBB	Ⲩ 2CCB	Ⲛ 2CDB	ⲱ 2CEB	Ⲵ 2CFB
C	Ⲍ 2C8C	Ⲓ 2C9C	Ⲥ 2CAC	ⲷ 2CBC	ⲩ 2CCC	ⲛ 2CDC	ⲱ 2CEC	Ⲷ 2CFC
D	ⲍ 2C8D	ⲓ 2C9D	Ⲧ 2CAD	Ⲹ 2CBD	ⲫ 2CCD	Ⲝ 2CDD	ⲱ 2CED	ⲷ 2CFD
E	Ⲏ 2C8E	ⲑ 2C9E	Ⲩ 2CAE	ⲹ 2CBE	Ⲱ 2CCE	ⲟ 2CDE	ⲱ 2CEE	Ⲹ 2CFE
F	ⲏ 2C8F	Ⲓ 2C9F	ⲩ 2CAF	Ⲻ 2CBF	ⲱ 2CCF	ⲟ 2CDF	ⲱ̅ 2CEF	ⲹ 2CFF

Other Coptic letters derived from Demotic are encoded in the Greek and Coptic block.

#### Bohairic Coptic letters

2C80	Ⲁ	COPTIC CAPITAL LETTER ALFA
2C81	ⲁ	COPTIC SMALL LETTER ALFA
2C82	Ⲃ	COPTIC CAPITAL LETTER VIDA
2C83	ⲃ	COPTIC SMALL LETTER VIDA
2C84	Ⲅ	COPTIC CAPITAL LETTER GAMMA
2C85	ⲅ	COPTIC SMALL LETTER GAMMA
2C86	Ⲇ	COPTIC CAPITAL LETTER DALDA
2C87	ⲇ	COPTIC SMALL LETTER DALDA
2C88	Ⲉ	COPTIC CAPITAL LETTER EIE
2C89	ⲉ	COPTIC SMALL LETTER EIE
2C8A	Ⲋ	COPTIC CAPITAL LETTER SOU
2C8B	ⲋ	COPTIC SMALL LETTER SOU
2C8C	Ⲍ	COPTIC CAPITAL LETTER ZATA
2C8D	ⲍ	COPTIC SMALL LETTER ZATA
2C8E	Ⲏ	COPTIC CAPITAL LETTER HATE
2C8F	ⲏ	COPTIC SMALL LETTER HATE
2C90	Ⲑ	COPTIC CAPITAL LETTER THETHE
2C91	ⲑ	COPTIC SMALL LETTER THETHE
2C92	Ⲓ	COPTIC CAPITAL LETTER IAUDA
2C93	ⲓ	COPTIC SMALL LETTER IAUDA
2C94	Ⲕ	COPTIC CAPITAL LETTER KAPA
2C95	ⲕ	COPTIC SMALL LETTER KAPA
2C96	Ⲗ	COPTIC CAPITAL LETTER LAULA
2C97	ⲗ	COPTIC SMALL LETTER LAULA
2C98	Ⲙ	COPTIC CAPITAL LETTER MI
2C99	ⲙ	COPTIC SMALL LETTER MI
2C9A	Ⲏ	COPTIC CAPITAL LETTER NI
2C9B	ⲏ	COPTIC SMALL LETTER NI
2C9C	Ⲑ	COPTIC CAPITAL LETTER KSI
2C9D	ⲑ	COPTIC SMALL LETTER KSI
2C9E	Ⲓ	COPTIC CAPITAL LETTER O
2C9F	ⲓ	COPTIC SMALL LETTER O
2CA0	Ⲕ	COPTIC CAPITAL LETTER PI
2CA1	ⲕ	COPTIC SMALL LETTER PI
2CA2	Ⲗ	COPTIC CAPITAL LETTER RO
2CA3	ⲗ	COPTIC SMALL LETTER RO
2CA4	Ⲙ	COPTIC CAPITAL LETTER SIMA
2CA5	ⲙ	COPTIC SMALL LETTER SIMA
2CA6	Ⲏ	COPTIC CAPITAL LETTER TAU
2CA7	ⲏ	COPTIC SMALL LETTER TAU
2CA8	Ⲑ	COPTIC CAPITAL LETTER UA
2CA9	ⲑ	COPTIC SMALL LETTER UA
2CAA	Ⲓ	COPTIC CAPITAL LETTER FI
2CAB	ⲓ	COPTIC SMALL LETTER FI
2CAC	Ⲕ	COPTIC CAPITAL LETTER KHI
2CAD	ⲕ	COPTIC SMALL LETTER KHI
2CAE	Ⲗ	COPTIC CAPITAL LETTER PSI
2CAF	ⲗ	COPTIC SMALL LETTER PSI
2CB0	Ⲙ	COPTIC CAPITAL LETTER OOU
2CB1	ⲙ	COPTIC SMALL LETTER OOU

#### Old Coptic and dialect letters

2CB2	Ⲛ	COPTIC CAPITAL LETTER DIALECT-P ALEF
2CB3	ⲛ	COPTIC SMALL LETTER DIALECT-P ALEF
2CB4	Ⲝ	COPTIC CAPITAL LETTER OLD COPTIC AIN
2CB5	ⲝ	COPTIC SMALL LETTER OLD COPTIC AIN
2CB6	Ⲟ	COPTIC CAPITAL LETTER CRYPTOGRAMMIC EIE
2CB7	ⲟ	COPTIC SMALL LETTER CRYPTOGRAMMIC EIE

2CB8	Ⲡ	COPTIC CAPITAL LETTER DIALECT-P KAPA
2CB9	ⲡ	COPTIC SMALL LETTER DIALECT-P KAPA
2CBA	Ⲣ	COPTIC CAPITAL LETTER DIALECT-P NI
2CBB	ⲣ	COPTIC SMALL LETTER DIALECT-P NI
2CBC	Ⲥ	COPTIC CAPITAL LETTER CRYPTOGRAMMIC NI
2CBD	ⲥ	COPTIC SMALL LETTER CRYPTOGRAMMIC NI
2CBE	Ⲧ	COPTIC CAPITAL LETTER OLD COPTIC OOU
2CBF	ⲧ	COPTIC SMALL LETTER OLD COPTIC OOU
2CC0	Ⲩ	COPTIC CAPITAL LETTER SAMPI
2CC1	ⲩ	COPTIC SMALL LETTER SAMPI
2CC2	Ⲫ	COPTIC CAPITAL LETTER CROSSED SHEI
2CC3	ⲫ	COPTIC SMALL LETTER CROSSED SHEI
2CC4	Ⲭ	COPTIC CAPITAL LETTER OLD COPTIC SHEI
2CC5	ⲭ	COPTIC SMALL LETTER OLD COPTIC SHEI
2CC6	Ⲯ	COPTIC CAPITAL LETTER OLD COPTIC ESH
2CC7	ⲯ	COPTIC SMALL LETTER OLD COPTIC ESH
2CC8	Ⲱ	COPTIC CAPITAL LETTER AKHMIMIC KHEI
2CC9	ⲱ	COPTIC SMALL LETTER AKHMIMIC KHEI
2CCA	Ⲳ	COPTIC CAPITAL LETTER DIALECT-P HORI
2CCB	ⲳ	COPTIC SMALL LETTER DIALECT-P HORI
2CCC	Ⲵ	COPTIC CAPITAL LETTER OLD COPTIC HORI
2CCD	ⲵ	COPTIC SMALL LETTER OLD COPTIC HORI
2CCE	Ⲷ	COPTIC CAPITAL LETTER OLD COPTIC HA
2CCF	ⲷ	COPTIC SMALL LETTER OLD COPTIC HA
2CD0	Ⲹ	COPTIC CAPITAL LETTER L-SHAPED HA
2CD1	ⲹ	COPTIC SMALL LETTER L-SHAPED HA
2CD2	Ⲻ	COPTIC CAPITAL LETTER OLD COPTIC HEI
2CD3	ⲻ	COPTIC SMALL LETTER OLD COPTIC HEI
2CD4	Ⲽ	COPTIC CAPITAL LETTER OLD COPTIC HAT
2CD5	ⲽ	COPTIC SMALL LETTER OLD COPTIC HAT
2CD6	Ⲿ	COPTIC CAPITAL LETTER OLD COPTIC GANGIA
2CD7	ⲿ	COPTIC SMALL LETTER OLD COPTIC GANGIA
2CD8	Ⲡ	COPTIC CAPITAL LETTER OLD COPTIC DJA
2CD9	ⲡ	COPTIC SMALL LETTER OLD COPTIC DJA
2CDA	Ⲣ	COPTIC CAPITAL LETTER OLD COPTIC SHIMA
2CDB	ⲣ	COPTIC SMALL LETTER OLD COPTIC SHIMA

#### Old Nubian letters

2CDC	Ⲥ	COPTIC CAPITAL LETTER OLD NUBIAN SHIMA
2CDD	ⲥ	COPTIC SMALL LETTER OLD NUBIAN SHIMA
2CDE	Ⲧ	COPTIC CAPITAL LETTER OLD NUBIAN NGI
2CDF	ⲧ	COPTIC SMALL LETTER OLD NUBIAN NGI
2CE0	Ⲩ	COPTIC CAPITAL LETTER OLD NUBIAN NYI
2CE1	ⲩ	COPTIC SMALL LETTER OLD NUBIAN NYI
2CE2	Ⲫ	COPTIC CAPITAL LETTER OLD NUBIAN WAU
2CE3	ⲫ	COPTIC SMALL LETTER OLD NUBIAN WAU

#### Symbols

2CE4	Ⲭ	COPTIC SYMBOL KAI → 03D7 Ⲭ greek kai symbol
2CE5	ⲭ	COPTIC SYMBOL MI RO
2CE6	Ⲯ	COPTIC SYMBOL PI RO
2CE7	ⲯ	COPTIC SYMBOL STAUROS
2CE8	Ⲱ	COPTIC SYMBOL TAU RO
2CE9	ⲱ	COPTIC SYMBOL KHI RO → 2627 ⲱ chi rho
2CEA	Ⲳ	COPTIC SYMBOL SHIMA SIMA

#### Cryptogrammic letters

2CEB	Ⲛ	COPTIC CAPITAL LETTER CRYPTOGRAMMIC SHEI
2CEC	ⲛ	COPTIC SMALL LETTER CRYPTOGRAMMIC SHEI

2CED 𐌆 COPTIC CAPITAL LETTER CRYPTOGRAMMIC  
GANGIA

2CEE 𐌇 COPTIC SMALL LETTER CRYPTOGRAMMIC  
GANGIA

#### Combining marks

2CEF 𐌈 COPTIC COMBINING NI ABOVE  
 • this mark is used in final position and extends  
 above the following character (usually a space)

2CF0 𐌉 COPTIC COMBINING SPIRITUS ASPER  
 → 0314 𐌉 combining reversed comma above  
 → 0485 𐌉 combining cyrillic dasia pneumata

2CF1 𐌊 COPTIC COMBINING SPIRITUS LENIS  
 → 0313 𐌊 combining comma above  
 → 0486 𐌊 combining cyrillic psili pneumata

#### Old Nubian punctuation

2CF9 𐌋 COPTIC OLD NUBIAN FULL STOP

2CFA 𐌌 COPTIC OLD NUBIAN DIRECT QUESTION MARK

2CFB 𐌍 COPTIC OLD NUBIAN INDIRECT QUESTION  
MARK

2CFC 𐌎 COPTIC OLD NUBIAN VERSE DIVIDER

#### Numeric character

2CFD 𐌏 COPTIC FRACTION ONE HALF

#### Punctuation

2CFE 𐌐 COPTIC FULL STOP

2CFF 𐌑 COPTIC MORPHOLOGICAL DIVIDER

	2D0	2D1	2D2
0	Ⴕ 2D00	Ⴖ 2D10	Ⴗ 2D20
1	Ⴘ 2D01	Ⴙ 2D11	Ⴚ 2D21
2	Ⴛ 2D02	Ⴜ 2D12	Ⴝ 2D22
3	Ⴞ 2D03	Ⴟ 2D13	Ⴀ 2D23
4	Ⴁ 2D04	Ⴂ 2D14	Ⴃ 2D24
5	Ⴄ 2D05	Ⴅ 2D15	Ⴆ 2D25
6	Ⴇ 2D06	Ⴈ 2D16	
7	Ⴉ 2D07	Ⴊ 2D17	
8	Ⴋ 2D08	Ⴌ 2D18	
9	Ⴍ 2D09	Ⴎ 2D19	
A	Ⴐ 2D0A	Ⴑ 2D1A	
B	Ⴒ 2D0B	Ⴓ 2D1B	
C	Ⴕ 2D0C	Ⴖ 2D1C	
D	Ⴘ 2D0D	Ⴙ 2D1D	
E	Ⴛ 2D0E	Ⴜ 2D1E	
F	Ⴟ 2D0F	Ⴀ 2D1F	

**Small letters (Khutsuri)**

*This is the lowercase of the old ecclesiastical alphabet. See the Georgian block for uppercase Asomtavruli.*

2D00	Ⴕ	GEORGIAN SMALL LETTER AN
2D01	Ⴘ	GEORGIAN SMALL LETTER BAN
2D02	Ⴛ	GEORGIAN SMALL LETTER GAN
2D03	Ⴞ	GEORGIAN SMALL LETTER DON
2D04	Ⴁ	GEORGIAN SMALL LETTER EN
2D05	Ⴄ	GEORGIAN SMALL LETTER VIN
2D06	Ⴇ	GEORGIAN SMALL LETTER ZEN
2D07	Ⴉ	GEORGIAN SMALL LETTER TAN
2D08	Ⴋ	GEORGIAN SMALL LETTER IN
2D09	Ⴍ	GEORGIAN SMALL LETTER KAN
2D0A	Ⴐ	GEORGIAN SMALL LETTER LAS
2D0B	Ⴒ	GEORGIAN SMALL LETTER MAN
2D0C	Ⴕ	GEORGIAN SMALL LETTER NAR
2D0D	Ⴘ	GEORGIAN SMALL LETTER ON
2D0E	Ⴛ	GEORGIAN SMALL LETTER PAR
2D0F	Ⴟ	GEORGIAN SMALL LETTER ZHAR
2D10	Ⴕ	GEORGIAN SMALL LETTER RAE
2D11	Ⴖ	GEORGIAN SMALL LETTER SAN
2D12	Ⴜ	GEORGIAN SMALL LETTER TAR
2D13	Ⴟ	GEORGIAN SMALL LETTER UN
2D14	Ⴂ	GEORGIAN SMALL LETTER PHAR
2D15	Ⴅ	GEORGIAN SMALL LETTER KHAR
2D16	Ⴈ	GEORGIAN SMALL LETTER GHAN
2D17	Ⴃ	GEORGIAN SMALL LETTER QAR
2D18	Ⴅ	GEORGIAN SMALL LETTER SHIN
2D19	Ⴈ	GEORGIAN SMALL LETTER CHIN
2D1A	Ⴑ	GEORGIAN SMALL LETTER CAN
2D1B	Ⴓ	GEORGIAN SMALL LETTER JIL
2D1C	Ⴖ	GEORGIAN SMALL LETTER CIL
2D1D	Ⴙ	GEORGIAN SMALL LETTER CHAR
2D1E	Ⴜ	GEORGIAN SMALL LETTER XAN
2D1F	Ⴀ	GEORGIAN SMALL LETTER JHAN
2D20	Ⴗ	GEORGIAN SMALL LETTER HAE
2D21	Ⴚ	GEORGIAN SMALL LETTER HE
2D22	Ⴝ	GEORGIAN SMALL LETTER HIE
2D23	Ⴀ	GEORGIAN SMALL LETTER WE
2D24	Ⴃ	GEORGIAN SMALL LETTER HAR
2D25	Ⴆ	GEORGIAN SMALL LETTER HOE

	2D3	2D4	2D5	2D6	2D7
0	◦ 2D30	⊖ 2D40	≠ 2D50	△ 2D60	
1	⊖ 2D31	∅ 2D41	! 2D51	⊏ 2D61	
2	⊕ 2D32	⋮ 2D42	⊃ 2D52	⋈ 2D62	
3	⌘ 2D33	∕ 2D43	⊙ 2D53	⌘ 2D63	
4	⌘ 2D34	⌒ 2D44	○ 2D54	↑ 2D64	
5	⌘ 2D35	✕ 2D45	Ⓚ 2D55	⌘ 2D65	
6	⋮ 2D36	⋮ 2D46	⌒ 2D56		
7	∧ 2D37	⊞ 2D47	⋮ 2D57		
8	∨ 2D38	⋯ 2D48	⋮ 2D58		
9	⊞ 2D39	⋈ 2D49	⊙ 2D59		
A	⊞ 2D3A	⊞ 2D4A	⊙ 2D5A		
B	⊙ 2D3B	⌘ 2D4B	Ⓚ 2D5B		
C	⌘ 2D3C	≠ 2D4C	⊞ 2D5C		
D	⌘ 2D3D	⌘ 2D4D	⌘ 2D5D		
E	⋮ 2D3E	⊞ 2D4E	Ⓚ 2D5E		
F	⌘ 2D3F	⊞ 2D4F	⊞ 2D5F	⊞ 2D6F	

**Letters**

2D30	◦	TIFINAGH LETTER YA
2D31	⊖	TIFINAGH LETTER YAB
2D32	⊕	TIFINAGH LETTER YABH
2D33	×	TIFINAGH LETTER YAG
2D34	⋈	TIFINAGH LETTER YAGHH
2D35	⋈	TIFINAGH LETTER BERBER ACADEMY YAJ
2D36	†	TIFINAGH LETTER YAJ
2D37	∧	TIFINAGH LETTER YAD
2D38	∨	TIFINAGH LETTER YADH
2D39	⊞	TIFINAGH LETTER YADD
2D3A	⊞	TIFINAGH LETTER YADDH
2D3B	⊞	TIFINAGH LETTER YEY
2D3C	⊞	TIFINAGH LETTER YAF
2D3D	⊞	TIFINAGH LETTER YAK
2D3E	⋮	TIFINAGH LETTER TUAREG YAK
2D3F	⊞	TIFINAGH LETTER YAKHH
2D40	⊞	TIFINAGH LETTER YAH = Tuareg yab
2D41	⊞	TIFINAGH LETTER BERBER ACADEMY YAH
2D42	⋮	TIFINAGH LETTER TUAREG YAH
2D43	∧	TIFINAGH LETTER YAHH
2D44	†	TIFINAGH LETTER YAA
2D45	×	TIFINAGH LETTER YAKH
2D46	⋮	TIFINAGH LETTER TUAREG YAKH
2D47	⊞	TIFINAGH LETTER YAQ
2D48	⋮	TIFINAGH LETTER TUAREG YAQ
2D49	⊞	TIFINAGH LETTER YI
2D4A	∩	TIFINAGH LETTER YAZH
2D4B	×	TIFINAGH LETTER AHAGGAR YAZH
2D4C	⊞	TIFINAGH LETTER TUAREG YAZH
2D4D	∥	TIFINAGH LETTER YAL
2D4E	⊞	TIFINAGH LETTER YAM
2D4F	∩	TIFINAGH LETTER YAN
2D50	⊞	TIFINAGH LETTER TUAREG YAGN
2D51	∩	TIFINAGH LETTER TUAREG YANG
2D52	⊞	TIFINAGH LETTER YAP
2D53	⊞	TIFINAGH LETTER YU = Tuareg yaw
2D54	○	TIFINAGH LETTER YAR
2D55	⊞	TIFINAGH LETTER YARR
2D56	∩	TIFINAGH LETTER YAGH
2D57	⋮	TIFINAGH LETTER TUAREG YAGH
2D58	⋮	TIFINAGH LETTER AYER YAGH = Adrar yaj
2D59	⊞	TIFINAGH LETTER YAS
2D5A	⊞	TIFINAGH LETTER YASS
2D5B	⊞	TIFINAGH LETTER YASH
2D5C	†	TIFINAGH LETTER YAT
2D5D	×	TIFINAGH LETTER YATH
2D5E	⊞	TIFINAGH LETTER YACH
2D5F	⊞	TIFINAGH LETTER YATT
2D60	Δ	TIFINAGH LETTER YAV
2D61	∪	TIFINAGH LETTER YAW
2D62	⋈	TIFINAGH LETTER YAY
2D63	⋈	TIFINAGH LETTER YAZ
2D64	†	TIFINAGH LETTER TAWELLEMET YAZ = harpoon yaz
2D65	⋈	TIFINAGH LETTER YAZZ

**Modifier letter**

2D6F	◌ <sup>u</sup>	TIFINAGH MODIFIER LETTER LABIALIZATION MARK = tamatart ≈ <super> 2D61 ∪
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	2D8	2D9	2DA	2DB	2DC	2DD
0	ሎ 2D80	ጮ 2D90	ሸ 2DA0	ዸ 2DB0	ቐ 2DC0	ኸ 2DD0
1	ዎ 2D81	ጰ 2D91	ሹ 2DA1	ዹ 2DB1	ቑ 2DC1	ኹ 2DD1
2	ሮ 2D82	ጱ 2D92	ሺ 2DA2	ዺ 2DB2	ቋ 2DC2	ኺ 2DD2
3	ሰ 2D83	ጳ 2D93	ሻ 2DA3	ዻ 2DB3	ቋ 2DC3	ኻ 2DD3
4	ሰ 2D84	ጴ 2D94	ሼ 2DA4	ዼ 2DB4	ቋ 2DC4	ኼ 2DD4
5	ሰ 2D85	ጵ 2D95	ሽ 2DA5	ዽ 2DB5	ቋ 2DC5	ኸ 2DD5
6	ቶ 2D86	ጶ 2D96	ሾ 2DA6	ዾ 2DB6	ቋ 2DC6	ኾ 2DD6
7	ቶ 2D87					
8	ኘ 2D88		ቸ 2DA8	ጮ 2DB8	ዸ 2DC8	ኸ 2DD8
9	ኘ 2D89		ቹ 2DA9	ጮ 2DB9	ዸ 2DC9	ኸ 2DD9
A	ኘ 2D8A		ቹ 2DAA	ጮ 2DBA	ዸ 2DCA	ኸ 2DDA
B	ዘ 2D8B		ቹ 2DAB	ጮ 2DBB	ዸ 2DCB	ኸ 2ddb
C	ዘ 2D8C		ቹ 2DAC	ጮ 2DBC	ዸ 2DCC	ኸ 2DDC
D	ዘ 2D8D		ቹ 2DAD	ጮ 2DBD	ዸ 2DCD	ኸ 2DDD
E	ዘ 2D8E		ቹ 2DAE	ጮ 2DBE	ዸ 2DCE	ኸ 2DDE
F	ዘ 2D8F					

**Syllables for Me'en**

2D80	ሎ	ETHIOPIC SYLLABLE LOA
2D81	ሞ	ETHIOPIC SYLLABLE MOA
2D82	ሮ	ETHIOPIC SYLLABLE ROA
2D83	ሶ	ETHIOPIC SYLLABLE SOA
2D84	ሸ	ETHIOPIC SYLLABLE SHOA
2D85	ቦ	ETHIOPIC SYLLABLE BOA
2D86	ቶ	ETHIOPIC SYLLABLE TOA
2D87	ቸ	ETHIOPIC SYLLABLE COA
2D88	ኖ	ETHIOPIC SYLLABLE NOA
2D89	ኞ	ETHIOPIC SYLLABLE NYOA
2D8A	አ	ETHIOPIC SYLLABLE GLOTTAL OA
2D8B	ዞ	ETHIOPIC SYLLABLE ZOA
2D8C	ዶ	ETHIOPIC SYLLABLE DOA
2D8D	ደ	ETHIOPIC SYLLABLE DDOA
2D8E	ጆ	ETHIOPIC SYLLABLE JOA
2D8F	ቶ	ETHIOPIC SYLLABLE THOA
2D90	ቸ	ETHIOPIC SYLLABLE CHOA
2D91	ቶ	ETHIOPIC SYLLABLE PHOA
2D92	ፖ	ETHIOPIC SYLLABLE POA

**Syllables for Blin**

2D93	ኸ	ETHIOPIC SYLLABLE GGWA
2D94	ኹ	ETHIOPIC SYLLABLE GGWI
2D95	ኺ	ETHIOPIC SYLLABLE GGWEE
2D96	ኻ	ETHIOPIC SYLLABLE GGWE

**Syllables for Sebatbeit**



















































2DA0	ሸ	ETHIOPIC SYLLABLE SSA
2DA1	ሹ	ETHIOPIC SYLLABLE SSU
2DA2	ሺ	ETHIOPIC SYLLABLE SSI
2DA3	ሻ	ETHIOPIC SYLLABLE SSAA
2DA4	ሼ	ETHIOPIC SYLLABLE SSEE
2DA5	ሽ	ETHIOPIC SYLLABLE SSE
2DA6	ሾ	ETHIOPIC SYLLABLE SSO
2DA7	Ⓢ	<reserved>
2DA8	ቸ	ETHIOPIC SYLLABLE CCA
2DA9	ቹ	ETHIOPIC SYLLABLE CCU
2DAA	ቺ	ETHIOPIC SYLLABLE CCI
2DAB	ቻ	ETHIOPIC SYLLABLE CCAA
2DAC	ቼ	ETHIOPIC SYLLABLE CCEE
2DAD	ች	ETHIOPIC SYLLABLE CCE
2DAE	ቾ	ETHIOPIC SYLLABLE CCO
2DAF	Ⓢ	<reserved>
2DB0	ቸ	ETHIOPIC SYLLABLE ZZA
2DB1	ቹ	ETHIOPIC SYLLABLE ZZU
2DB2	ቺ	ETHIOPIC SYLLABLE ZZI
2DB3	ቻ	ETHIOPIC SYLLABLE ZZAA
2DB4	ቼ	ETHIOPIC SYLLABLE ZZEE
2DB5	ች	ETHIOPIC SYLLABLE ZZE
2DB6	ቾ	ETHIOPIC SYLLABLE ZZO
2DB7	Ⓢ	<reserved>
2DB8	ጸ	ETHIOPIC SYLLABLE CCHA
2DB9	ጹ	ETHIOPIC SYLLABLE CCHU
2DBA	ጺ	ETHIOPIC SYLLABLE CCHI
2DBB	ጻ	ETHIOPIC SYLLABLE CCHAA
2DBC	ጼ	ETHIOPIC SYLLABLE CCHEE
2DBD	ጽ	ETHIOPIC SYLLABLE CCHE
2DBE	ጾ	ETHIOPIC SYLLABLE CCHO
2DBF	Ⓢ	<reserved>
2DC0	ቸ	ETHIOPIC SYLLABLE QYA
2DC1	ቹ	ETHIOPIC SYLLABLE QYU

2DC2	ቺ	ETHIOPIC SYLLABLE QYI
2DC3	ቻ	ETHIOPIC SYLLABLE QYAA
2DC4	ቼ	ETHIOPIC SYLLABLE QYEE
2DC5	ች	ETHIOPIC SYLLABLE QYE
2DC6	ቾ	ETHIOPIC SYLLABLE QYO
2DC7	Ⓢ	<reserved>
2DC8	ኸ	ETHIOPIC SYLLABLE KYA
2DC9	ኹ	ETHIOPIC SYLLABLE KYU
2DCA	ኺ	ETHIOPIC SYLLABLE KYI
2DCB	ኻ	ETHIOPIC SYLLABLE KYAA
2DCC	ኼ	ETHIOPIC SYLLABLE KYEE
2DCD	ኽ	ETHIOPIC SYLLABLE KYE
2DCE	ኾ	ETHIOPIC SYLLABLE KYO
2DCF	Ⓢ	<reserved>
2DD0	ኸ	ETHIOPIC SYLLABLE XYA
2DD1	ኹ	ETHIOPIC SYLLABLE XYU
2DD2	ኺ	ETHIOPIC SYLLABLE XYI
2DD3	ኻ	ETHIOPIC SYLLABLE XYAA
2DD4	ኼ	ETHIOPIC SYLLABLE XYEE
2DD5	ኽ	ETHIOPIC SYLLABLE XYE
2DD6	ኾ	ETHIOPIC SYLLABLE XYO
2DD7	Ⓢ	<reserved>
2DD8	ኸ	ETHIOPIC SYLLABLE GYA
2DD9	ኹ	ETHIOPIC SYLLABLE GYU
2DDA	ኺ	ETHIOPIC SYLLABLE GYI
2ddb	ኻ	ETHIOPIC SYLLABLE GYAA
2DDC	ኼ	ETHIOPIC SYLLABLE GYEE
2DDD	ኽ	ETHIOPIC SYLLABLE GYE
2DDE	ኾ	ETHIOPIC SYLLABLE GYO

	2DE	2DF
0	Ѓ 2DE0	Ӏ 2DF0
1	В 2DE1	Ч 2DF1
2	Г 2DE2	ӀӀ 2DF2
3	Ӏ 2DE3	ӀӀӀ 2DF3
4	Ж 2DE4	Ѳ 2DF4
5	З 2DE5	Ѣ 2DF5
6	К 2DE6	а 2DF6
7	Ӏ 2DE7	е 2DF7
8	М 2DE8	ӀӀ 2DF8
9	Н 2DE9	Ѹ 2DF9
A	О 2DEA	Ѳ 2DFA
B	ӀӀ 2DEB	ӀӀӀ 2DFB
C	р 2DEC	ӀӀӀӀ 2DFC
D	С 2DED	ӀӀӀӀӀ 2DFD
E	Т 2DEE	ӀӀӀӀӀӀ 2DFE
F	Х 2DEF	ӀӀӀӀӀӀӀ 2DFF

**Old Church Slavonic combining letters**

2DE0	Ѳ	COMBINING CYRILLIC LETTER BE
2DE1	Ѳ	COMBINING CYRILLIC LETTER VE
2DE2	Ѳ	COMBINING CYRILLIC LETTER GHE
2DE3	Ѳ	COMBINING CYRILLIC LETTER DE
2DE4	Ѳ	COMBINING CYRILLIC LETTER ZHE
2DE5	Ѳ	COMBINING CYRILLIC LETTER ZE
2DE6	Ѳ	COMBINING CYRILLIC LETTER KA
2DE7	Ѳ	COMBINING CYRILLIC LETTER EL
2DE8	Ѳ	COMBINING CYRILLIC LETTER EM → 1DDF Ѳ combining latin letter small capital m
2DE9	Ѳ	COMBINING CYRILLIC LETTER EN
2DEA	Ѳ	COMBINING CYRILLIC LETTER O → 0366 Ѳ combining latin small letter o
2DEB	Ѳ	COMBINING CYRILLIC LETTER PE
2DEC	Ѳ	COMBINING CYRILLIC LETTER ER
2DED	Ѳ	COMBINING CYRILLIC LETTER ES → 0368 Ѳ combining latin small letter c
2DEE	Ѳ	COMBINING CYRILLIC LETTER TE
2DEF	Ѳ	COMBINING CYRILLIC LETTER HA → 036F Ѳ combining latin small letter x
2DF0	Ѳ	COMBINING CYRILLIC LETTER TSE
2DF1	Ѳ	COMBINING CYRILLIC LETTER CHE
2DF2	Ѳ	COMBINING CYRILLIC LETTER SHA
2DF3	Ѳ	COMBINING CYRILLIC LETTER SHCHA
2DF4	Ѳ	COMBINING CYRILLIC LETTER FITA
2DF5	Ѳ	COMBINING CYRILLIC LETTER ES-TE
2DF6	Ѳ	COMBINING CYRILLIC LETTER A → 0363 Ѳ combining latin small letter a
2DF7	Ѳ	COMBINING CYRILLIC LETTER IE → 0364 Ѳ combining latin small letter e
2DF8	Ѳ	COMBINING CYRILLIC LETTER DJERV
2DF9	Ѳ	COMBINING CYRILLIC LETTER MONOGRAPH UK
2DFA	Ѳ	COMBINING CYRILLIC LETTER YAT
2DFB	Ѳ	COMBINING CYRILLIC LETTER YU
2DFC	Ѳ	COMBINING CYRILLIC LETTER IOTIFIED A
2DFD	Ѳ	COMBINING CYRILLIC LETTER LITTLE YUS
2DFE	Ѳ	COMBINING CYRILLIC LETTER BIG YUS
2DFF	Ѳ	COMBINING CYRILLIC LETTER IOTIFIED BIG YUS

	2E0	2E1	2E2	2E3	2E4	2E5	2E6	2E7
0	 2E00	 2E10	 2E20	 2E30				
1	 2E01	 2E11	 2E21	 2E31				
2	 2E02	 2E12	 2E22					
3	 2E03	 2E13	 2E23					
4	 2E04	 2E14	 2E24					
5	 2E05	 2E15	 2E25					
6	 2E06	 2E16	 2E26					
7	 2E07	 2E17	 2E27					
8	 2E08	 2E18	 2E28					
9	 2E09	 2E19	 2E29					
A	 2E0A	 2E1A	 2E2A					
B	 2E0B	 2E1B	 2E2B					
C	 2E0C	 2E1C	 2E2C					
D	 2E0D	 2E1D	 2E2D					
E	 2E0E	 2E1E	 2E2E					
F	 2E0F	 2E1F	 2E2F					

**New Testament editorial symbols**

2E00	┌	RIGHT ANGLE SUBSTITUTION MARKER → 231C ┌ top left corner
2E01	┐	RIGHT ANGLE DOTTED SUBSTITUTION MARKER
2E02	└	LEFT SUBSTITUTION BRACKET
2E03	┘	RIGHT SUBSTITUTION BRACKET
2E04	└̣	LEFT DOTTED SUBSTITUTION BRACKET
2E05	┘̣	RIGHT DOTTED SUBSTITUTION BRACKET
2E06	⏏	RAISED INTERPOLATION MARKER → 22A4 ⏏ down tack
2E07	⏏̣	RAISED DOTTED INTERPOLATION MARKER
2E08	↵	DOTTED TRANSPOSITION MARKER
2E09	↶	LEFT TRANSPOSITION BRACKET
2E0A	↷	RIGHT TRANSPOSITION BRACKET
2E0B	◻	RAISED SQUARE • used as an opening raised omission bracket
2E0C	⏏̣	LEFT RAISED OMISSION BRACKET • used as an opening or closing raised omission bracket
2E0D	⏏̣	RIGHT RAISED OMISSION BRACKET • used as a closing or opening raised omission bracket

**Ancient Greek textual symbols**

2E0E	Ⲁ	EDITORIAL CORONIS → 1FBD Ⲁ greek koronis
2E0F	▬	PARAGRAPHOS
2E10	⸮	FORKED PARAGRAPHOS
2E11	⸮̣	REVERSED FORKED PARAGRAPHOS
2E12	⸮̣	HYPODIASTOLE
2E13	⸮̣	DOTTED OBELOS • glyph variants may look like ‘÷’ or ‘÷’ → 2052 ⅷ commercial minus sign
2E14	↙	DOWNWARDS ANCORA • contrary to its formal name this symbol points upwards
2E15	↘	UPWARDS ANCORA • contrary to its formal name this symbol points downwards
2E16	⋈	DOTTED RIGHT-POINTING ANGLE = dipole periestigmene

**Ancient Near-Eastern linguistic symbol**

2E17	≋	DOUBLE OBLIQUE HYPHEN • used in ancient Near-Eastern linguistics • hyphen in Fraktur text uses 002D - or 2010 - , but with a “𐀀” glyph in Fraktur fonts → 002D - hyphen-minus → 003D = equals sign → 2010 - hyphen
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**General punctuation**

2E18	‽	INVERTED INTERROBANG = gnaborretni → 203D ‽ interrobang
2E19	⁄	PALM BRANCH • used as a separator

**Dictionary punctuation**

*These punctuation marks are used mostly in German dictionaries, to indicate umlaut or case changes with abbreviated stems.*

2E1A	¨	HYPHEN WITH DIAERESIS • indicates umlaut of the stem vowel of a plural form
2E1B	˜	TILDE WITH RING ABOVE • indicates change in case for derived form

**Brackets**

2E1C	⏏̣	LEFT LOW PARAPHRASE BRACKET
2E1D	⏏̣	RIGHT LOW PARAPHRASE BRACKET • used in N’Ko

**Dictionary punctuation**

2E1E	˙	TILDE WITH DOT ABOVE • indicates derived form changes to uppercase
2E1F	˘	TILDE WITH DOT BELOW • indicates derived form changes to lowercase

**Brackets**

2E20	‡	LEFT VERTICAL BAR WITH QUILL
2E21	‡	RIGHT VERTICAL BAR WITH QUILL

**Half brackets**

*These form a set of four corner brackets and are used editorially. They are distinguished from mathematical floor and ceiling characters. Occasionally quine corners are substituted for half brackets.*

2E22	┌	TOP LEFT HALF BRACKET → 2308 ┌ left ceiling → 231C ┌ top left corner → 300C ┌ left corner bracket
2E23	┐	TOP RIGHT HALF BRACKET
2E24	└	BOTTOM LEFT HALF BRACKET
2E25	┘	BOTTOM RIGHT HALF BRACKET

**Brackets**

2E26	⊂	LEFT SIDEWAYS U BRACKET → 2282 ⊂ subset of
2E27	⊃	RIGHT SIDEWAYS U BRACKET → 2283 ⊃ superset of
2E28	⎵	LEFT DOUBLE PARENTHESIS → 2985 ⎵ left white parenthesis → FF5F ⎵ fullwidth left white parenthesis
2E29	⎶	RIGHT DOUBLE PARENTHESIS

**Historic punctuation**

2E2A	∴	TWO DOTS OVER ONE DOT PUNCTUATION
2E2B	∵	ONE DOT OVER TWO DOTS PUNCTUATION
2E2C	∴	SQUARED FOUR DOT PUNCTUATION
2E2D	∴	FIVE DOT MARK
2E2E	‽	REVERSED QUESTION MARK = punctus percontativus → 003F ‽ question mark → 00BF ‽ inverted question mark → 061F ‽ arabic question mark
2E2F	’	VERTICAL TILDE • used for Cyrillic yerik → 033E ’ combining vertical tilde → A67F ’ cyrillic payerok

- 2E30 ◦ RING POINT
  - used in Avestan
  - 2218 ◦ ring operator
  - 25E6 ◦ white bullet
- 2E31 · WORD SEPARATOR MIDDLE DOT
  - used in Avestan, Samaritan, ...
  - 00B7 · middle dot

	2E8	2E9	2EA	2EB	2EC	2ED	2EE	2EF
0	𠂇 2E80	尢 2E90	民 2EA0	彡 2EB0	卅 2EC0	𠂇 2ED0	𠂇 2EE0	龙 2EF0
1	厂 2E81	允 2E91	彡 2EA1	𠂇 2EB1	虎 2EC1	長 2ED1	首 2EE1	龜 2EF1
2	冫 2E82	巳 2E92	氷 2EA2	𠂇 2EB2	𠂇 2EC2	𠂇 2ED2	𠂇 2EE2	龜 2EF2
3	乚 2E83	幺 2E93	彡 2EA3	𠂇 2EB3	𠂇 2EC3	𠂇 2ED3	骨 2EE3	龟 2EF3
4	𠂇 2E84	𠂇 2E94	𠂇 2EA4	𠂇 2EB4	西 2EC4	门 2ED4	鬼 2EE4	
5	𠂇 2E85	𠂇 2E95	𠂇 2EA5	𠂇 2EB5	见 2EC5	𠂇 2ED5	鱼 2EE5	
6	𠂇 2E86	𠂇 2E96	𠂇 2EA6	𠂇 2EB6	角 2EC6	𠂇 2ED6	鸟 2EE6	
7	𠂇 2E87	小 2E97	𠂇 2EA7	𠂇 2EB7	𠂇 2EC7	𠂇 2ED7	𠂇 2EE7	
8	𠂇 2E88	𠂇 2E98	𠂇 2EA8	𠂇 2EB8	𠂇 2EC8	青 2ED8	麦 2EE8	
9	𠂇 2E89	𠂇 2E99	𠂇 2EA9	𠂇 2EB9	贝 2EC9	韦 2ED9	黄 2EE9	
A	𠂇 2E8A		𠂇 2EAA	𠂇 2EBA	𠂇 2ECA	𠂇 2EDA	𠂇 2EEA	
B	𠂇 2E8B	𠂇 2E9B	𠂇 2EAB	𠂇 2EBB	𠂇 2ECB	𠂇 2EDB	𠂇 2EEB	
C	𠂇 2E8C	𠂇 2E9C	𠂇 2EAC	𠂇 2EBC	𠂇 2ECC	𠂇 2EDC	𠂇 2EEC	
D	𠂇 2E8D	𠂇 2E9D	𠂇 2EAD	𠂇 2EBD	𠂇 2ECD	𠂇 2EDD	𠂇 2EED	
E	𠂇 2E8E	𠂇 2E9E	𠂇 2EAE	𠂇 2EBE	𠂇 2ECE	𠂇 2EDE	𠂇 2EEE	
F	𠂇 2E8F	𠂇 2E9F	𠂇 2EAF	𠂇 2EBF	𠂇 2ECF	𠂇 2EDF	𠂇 2EEF	

**CJK radicals supplement**

2E80	𠄎	CJK RADICAL REPEAT	2E99	女	CJK RADICAL RAP
2E81	厶	CJK RADICAL CLIFF			• form used on right side
		→ 5382 厶			→ 6535 女
2E82	冫	CJK RADICAL SECOND ONE	2E9A	𠄎	<reserved>
		→ 4E5B 冫	2E9B	𠄎	CJK RADICAL CHOKE
2E83	凵	CJK RADICAL SECOND TWO			→ 65E1 𠄎
		→ 4E5A 凵	2E9C	日	CJK RADICAL SUN
2E84	乚	CJK RADICAL SECOND THREE			→ 65E5 日
		→ 4E59 乚	2E9D	月	CJK RADICAL MOON
2E85	亻	CJK RADICAL PERSON			→ 6708 月
		• form used on left side	2E9E	步	CJK RADICAL DEATH
		→ 4EBB 亻			→ 6B7A 步
2E86	匚	CJK RADICAL BOX	2E9F	母	CJK RADICAL MOTHER
		→ 5182 匚			≈ 6BCD 母
2E87	几	CJK RADICAL TABLE	2EA0	民	CJK RADICAL CIVILIAN
		→ 51E0 几			→ 6C11 民
2E88	ㄥ	CJK RADICAL KNIFE ONE	2EA1	氵	CJK RADICAL WATER ONE
		• form used at top			• form used on left side
		→ 5200 刀			→ 6C35 氵
2E89	刂	CJK RADICAL KNIFE TWO	2EA2	水	CJK RADICAL WATER TWO
		• form used on right side			• form used (rarely) at bottom
		→ 5202 刂			→ 6C3A 水
2E8A	卜	CJK RADICAL DIVINATION	2EA3	灬	CJK RADICAL FIRE
		• form used at top			• form used at bottom
		→ 535C 卜			→ 706C 灬
2E8B	冂	CJK RADICAL SEAL	2EA4	𠄎	CJK RADICAL PAW ONE
		• form used at bottom			• form used at top
		→ 353E 冂			→ 722B 𠄎
2E8C	丩	CJK RADICAL SMALL ONE	2EA5	𠄎	CJK RADICAL PAW TWO
		• form used at top			• form used at top
		→ 5C0F 小			→ 722B 𠄎
2E8D	丩	CJK RADICAL SMALL TWO	2EA6	𠄎	CJK RADICAL SIMPLIFIED HALF TREE TRUNK
		• form used at top			→ 4E2C 𠄎
		→ 5C0F 小	2EA7	牀	CJK RADICAL COW
2E8E	兀	CJK RADICAL LAME ONE			→ 725B 牛
		→ 5C22 尢	2EA8	犴	CJK RADICAL DOG
2E8F	尢	CJK RADICAL LAME TWO			• form used on left side
		→ 5C23 尢			→ 72AD 犴
2E90	尢	CJK RADICAL LAME THREE	2EA9	王	CJK RADICAL JADE
		→ 5C22 尢			• form used on left side
2E91	尢	CJK RADICAL LAME FOUR			→ 738B 王
		→ 5C23 尢	2EAA	疋	CJK RADICAL BOLT OF CLOTH
2E92	巳	CJK RADICAL SNAKE			• form used on left side
		→ 5DF3 巳			→ 758B 疋
2E93	纟	CJK RADICAL THREAD	2EAB	目	CJK RADICAL EYE
		→ 5E7A 纟			• form used at top
2E94	彑	CJK RADICAL SNOUT ONE			→ 2EB2 𠄎 cjk radical net two
		→ 5F51 彑			→ 76EE 目
2E95	彑	CJK RADICAL SNOUT TWO	2EAC	示	CJK RADICAL SPIRIT ONE
		→ 5F50 彑			→ 793A 示
2E96	忄	CJK RADICAL HEART ONE	2EAD	示	CJK RADICAL SPIRIT TWO
		• form used on left side			→ 793B 示
		→ 5FC4 忄	2EAE	𠄎	CJK RADICAL BAMBOO
2E97	小	CJK RADICAL HEART TWO			→ 7AF9 竹
		• form used at bottom	2EAF	纟	CJK RADICAL SILK
		→ 5FC3 心			• form used on left side
2E98	扌	CJK RADICAL HAND			→ 7CF9 纟
		• form used on left side	2EB0	纟	CJK RADICAL C-SIMPLIFIED SILK
		→ 624C 扌			• form used on left side
					→ 7E9F 纟
			2EB1	𠄎	CJK RADICAL NET ONE
					→ 7F53 𠄎



2EB2	𠃉	CJK RADICAL NET TWO → 2EAB 𠃉 cjk radical eye → 7F52 𠃉	2ECD	辵	CJK RADICAL WALK ONE → 8FB6 辵
2EB3	𠃊	CJK RADICAL NET THREE → 7F51 网	2ECE	辵	CJK RADICAL WALK TWO → 8FB6 辵
2EB4	𠃋	CJK RADICAL NET FOUR → 7F51 网	2ECF	阝	CJK RADICAL CITY • form used on right side → 9091 邑
2EB5	𠃌	CJK RADICAL MESH → 2626B 𠃌	2ED0	𠃍	CJK RADICAL C-SIMPLIFIED GOLD → 9485 𠃍
2EB6	𠃎	CJK RADICAL SHEEP • form used on left side → 7F8A 羊	2ED1	長	CJK RADICAL LONG ONE → 9577 長
2EB7	𠃏	CJK RADICAL RAM • form used at top → 7F8A 羊	2ED2	𠃐	CJK RADICAL LONG TWO • form used on left side → 9578 𠃐
2EB8	𠃑	CJK RADICAL EWE → 7F8B 𠃑	2ED3	长	CJK RADICAL C-SIMPLIFIED LONG → 957F 长
2EB9	𠃒	CJK RADICAL OLD → 8002 𠃒	2ED4	门	CJK RADICAL C-SIMPLIFIED GATE → 95E8 门
2EBA	𠃓	CJK RADICAL BRUSH ONE → 8080 𠃓	2ED5	阜	CJK RADICAL MOUND ONE → 961C 阜 → 28E0F 阜
2EBB	𠃔	CJK RADICAL BRUSH TWO → 807F 𠃔	2ED6	阝	CJK RADICAL MOUND TWO • form used on left side → 961D 阝
2EBC	月	CJK RADICAL MEAT → 8089 肉	2ED7	𠃕	CJK RADICAL RAIN → 96E8 雨
2EBD	臼	CJK RADICAL MORTAR → 81FC 臼	2ED8	青	CJK RADICAL BLUE → 9752 青
2EBE	艹	CJK RADICAL GRASS ONE → 8279 艹	2ED9	韦	CJK RADICAL C-SIMPLIFIED TANNED LEATHER → 97E6 韦
2EBF	艹	CJK RADICAL GRASS TWO → 8279 艹	2EDA	页	CJK RADICAL C-SIMPLIFIED LEAF → 9875 页
2EC0	卅	CJK RADICAL GRASS THREE → 8279 艹	2EDB	风	CJK RADICAL C-SIMPLIFIED WIND → 98CE 风
2EC1	虎	CJK RADICAL TIGER → 864E 虎	2EDC	飞	CJK RADICAL C-SIMPLIFIED FLY → 98DE 飞
2EC2	衤	CJK RADICAL CLOTHES • form used on left side → 8864 衤	2EDD	食	CJK RADICAL EAT ONE • form used at bottom → 98DF 食
2EC3	𠃖	CJK RADICAL WEST ONE • form used at top → 8980 𠃖	2EDE	𠃗	CJK RADICAL EAT TWO • form used on left side → 2967F 𠃗
2EC4	西	CJK RADICAL WEST TWO • form used on left side → 897F 西	2EDF	𠃘	CJK RADICAL EAT THREE • form used on left side → 98E0 𠃘
2EC5	见	CJK RADICAL C-SIMPLIFIED SEE → 89C1 见	2EE0	𠃙	CJK RADICAL C-SIMPLIFIED EAT • form used on left side → 9963 𠃙
2EC6	角	CJK RADICAL SIMPLIFIED HORN → 89D2 角	2EE1	首	CJK RADICAL HEAD → 29810 首
2EC7	𠃚	CJK RADICAL HORN → 278B2 𠃚	2EE2	马	CJK RADICAL C-SIMPLIFIED HORSE → 9A6C 马
2EC8	讠	CJK RADICAL C-SIMPLIFIED SPEECH → 8BA0 讠	2EE3	骨	CJK RADICAL BONE → 9AA8 骨
2EC9	贝	CJK RADICAL C-SIMPLIFIED SHELL → 8D1D 贝	2EE4	鬼	CJK RADICAL GHOST → 9B3C 鬼
2ECA	足	CJK RADICAL FOOT • form used on left side → 8DB3 足	2EE5	鱼	CJK RADICAL C-SIMPLIFIED FISH → 9C7C 鱼
2ECB	车	CJK RADICAL C-SIMPLIFIED CART → 8F66 车	2EE6	鸟	CJK RADICAL C-SIMPLIFIED BIRD → 9E1F 鸟
2ECC	辵	CJK RADICAL SIMPLIFIED WALK → 8FB6 辵	2EE7	鹵	CJK RADICAL C-SIMPLIFIED SALT → 9E75 鹵

2EE8	麦	CJK RADICAL SIMPLIFIED WHEAT → 9EA6 麦
2EE9	黄	CJK RADICAL SIMPLIFIED YELLOW → 9EC4 黄
2EEA	鼃	CJK RADICAL C-SIMPLIFIED FROG → 9EFE 鼃
2EEB	齐	CJK RADICAL J-SIMPLIFIED EVEN → 6589 齐
2EEC	齐	CJK RADICAL C-SIMPLIFIED EVEN → 9F50 齐
2EED	齒	CJK RADICAL J-SIMPLIFIED TOOTH → 6B6F 齒
2EEE	齿	CJK RADICAL C-SIMPLIFIED TOOTH → 9F7F 齿
2EEF	竜	CJK RADICAL J-SIMPLIFIED DRAGON → 9F8D 龍
2EF0	龙	CJK RADICAL C-SIMPLIFIED DRAGON → 9F99 龙
2EF1	龜	CJK RADICAL TURTLE → 9F9C 龜
2EF2	龜	CJK RADICAL J-SIMPLIFIED TURTLE → 4E80 龜
2EF3	龟	CJK RADICAL C-SIMPLIFIED TURTLE ≈ 9F9F 龟

	2F0	2F1	2F2	2F3	2F4	2F5	2F6	2F7	2F8	2F9	2FA	2FB	2FC	2FD
0	一 2F00	凵 2F10	士 2F20	己 2F30	支 2F40	比 2F50	瓜 2F60	示 2F70	聿 2F80	衣 2F90	辰 2FA0	革 2FB0	鬲 2FC0	鼻 2FD0
1	丨 2F01	刀 2F11	夕 2F21	巾 2F31	支 2F41	毛 2F51	瓦 2F61	肉 2F71	肉 2F81	冫 2F91	辵 2FA1	韋 2FB1	鬼 2FC1	齊 2FD1
2	丶 2F02	力 2F12	夕 2F22	干 2F32	文 2F42	氏 2F52	甘 2F62	禾 2F72	臣 2F82	見 2F92	邑 2FA2	韭 2FB2	魚 2FC2	齒 2FD2
3	丿 2F03	勹 2F13	夕 2F23	幺 2F33	斗 2F43	气 2F53	生 2F63	穴 2F73	自 2F83	角 2F93	酉 2FA3	音 2FB3	鳥 2FC3	龍 2FD3
4	乙 2F04	匕 2F14	大 2F24	广 2F34	斤 2F44	水 2F54	用 2F64	立 2F74	至 2F84	言 2F94	采 2FA4	頁 2FB4	鹵 2FC4	龜 2FD4
5	丨 2F05	匚 2F15	女 2F25	彳 2F35	方 2F45	火 2F55	田 2F65	竹 2F75	臼 2F85	谷 2F95	里 2FA5	風 2FB5	鹿 2FC5	龠 2FD5
6	二 2F06	匚 2F16	子 2F26	廾 2F36	无 2F46	爪 2F56	疋 2F66	米 2F76	舌 2F86	豆 2F96	金 2FA6	飛 2FB6	麥 2FC6	
7	一 2F07	十 2F17	宀 2F27	弋 2F37	日 2F47	父 2F57	疒 2F67	糸 2F77	舛 2F87	豕 2F97	長 2FA7	食 2FB7	麻 2FC7	
8	人 2F08	卜 2F18	寸 2F28	弓 2F38	曰 2F48	爻 2F58	夂 2F68	缶 2F78	舟 2F88	豸 2F98	門 2FA8	首 2FB8	黃 2FC8	
9	儿 2F09	卩 2F19	小 2F29	彡 2F39	月 2F49	冫 2F59	白 2F69	网 2F79	艮 2F89	貝 2F99	阜 2FA9	香 2FB9	黍 2FC9	
A	入 2F0A	厂 2F1A	尢 2F2A	彡 2F3A	木 2F4A	片 2F5A	皮 2F6A	羊 2F7A	色 2F8A	赤 2F9A	隶 2FAA	馬 2FBA	黑 2FCA	
B	八 2F0B	厶 2F1B	尸 2F2B	彳 2F3B	欠 2F4B	牙 2F5B	皿 2F6B	羽 2F7B	艸 2F8B	走 2F9B	隹 2FAB	骨 2FBB	髡 2FCB	
C	冂 2F0C	又 2F1C	中 2F2C	心 2F3C	止 2F4C	牛 2F5C	目 2F6C	老 2F7C	虍 2F8C	足 2F9C	雨 2FAC	高 2FBC	黽 2FCC	
D	冂 2F0D	口 2F1D	山 2F2D	戈 2F3D	歹 2F4D	犬 2F5D	矛 2F6D	而 2F7D	虫 2F8D	身 2F9D	青 2FAD	髟 2FBD	鼎 2FCD	
E	冫 2F0E	口 2F1E	巛 2F2E	戶 2F3E	殳 2F4E	玄 2F5E	矢 2F6E	耒 2F7E	血 2F8E	車 2F9E	非 2FAE	鬥 2FBE	鼓 2FCE	
F	几 2F0F	土 2F1F	工 2F2F	手 2F3F	母 2F4F	玉 2F5F	石 2F6F	耳 2F7F	行 2F8F	辛 2F9F	面 2FAF	鬯 2FBF	鼠 2FCF	

**Kangxi radicals**

2F00	一	KANGXI RADICAL ONE ≈ 4E00 一	2F1E	口	KANGXI RADICAL ENCLOSURE ≈ 56D7 口
2F01		KANGXI RADICAL LINE ≈ 4E28	2F1F	土	KANGXI RADICAL EARTH ≈ 571F 土
2F02	丶	KANGXI RADICAL DOT ≈ 4E36 丶	2F20	士	KANGXI RADICAL SCHOLAR ≈ 58EB 士
2F03	丿	KANGXI RADICAL SLASH ≈ 4E3F 丿	2F21	攴	KANGXI RADICAL GO ≈ 5902 攴
2F04	乙	KANGXI RADICAL SECOND ≈ 4E59 乙	2F22	攴	KANGXI RADICAL GO SLOWLY ≈ 590A 攴
2F05	丨	KANGXI RADICAL HOOK ≈ 4E85 丨	2F23	夕	KANGXI RADICAL EVENING ≈ 5915 夕
2F06	二	KANGXI RADICAL TWO ≈ 4E8C 二	2F24	大	KANGXI RADICAL BIG ≈ 5927 大
2F07	宀	KANGXI RADICAL LID ≈ 4EA0 宀	2F25	女	KANGXI RADICAL WOMAN ≈ 5973 女
2F08	人	KANGXI RADICAL MAN ≈ 4EBA 人	2F26	子	KANGXI RADICAL CHILD ≈ 5B50 子
2F09	儿	KANGXI RADICAL LEGS ≈ 513F 儿	2F27	宀	KANGXI RADICAL ROOF ≈ 5B80 宀
2F0A	入	KANGXI RADICAL ENTER ≈ 5165 入	2F28	寸	KANGXI RADICAL INCH ≈ 5BF8 寸
2F0B	八	KANGXI RADICAL EIGHT ≈ 516B 八	2F29	小	KANGXI RADICAL SMALL ≈ 5C0F 小
2F0C	冂	KANGXI RADICAL DOWN BOX ≈ 5182 冂	2F2A	尢	KANGXI RADICAL LAME ≈ 5C22 尢
2F0D	宀	KANGXI RADICAL COVER ≈ 5196 宀	2F2B	尸	KANGXI RADICAL CORPSE ≈ 5C38 尸
2F0E	冫	KANGXI RADICAL ICE ≈ 51AB 冫	2F2C	屮	KANGXI RADICAL SPROUT ≈ 5C6E 屮
2F0F	几	KANGXI RADICAL TABLE ≈ 51E0 几	2F2D	山	KANGXI RADICAL MOUNTAIN ≈ 5C71 山
2F10	凵	KANGXI RADICAL OPEN BOX ≈ 51F5 凵	2F2E	川	KANGXI RADICAL RIVER ≈ 5DDB 川
2F11	刀	KANGXI RADICAL KNIFE ≈ 5200 刀	2F2F	工	KANGXI RADICAL WORK ≈ 5DE5 工
2F12	力	KANGXI RADICAL POWER ≈ 529B 力	2F30	己	KANGXI RADICAL ONESELF ≈ 5DF1 己
2F13	勹	KANGXI RADICAL WRAP ≈ 52F9 勹	2F31	巾	KANGXI RADICAL TURBAN ≈ 5DFE 巾
2F14	匕	KANGXI RADICAL SPOON ≈ 5315 匕	2F32	干	KANGXI RADICAL DRY ≈ 5E72 干
2F15	匸	KANGXI RADICAL RIGHT OPEN BOX ≈ 531A 匸	2F33	纟	KANGXI RADICAL SHORT THREAD ≈ 5E7A 纟
2F16	匚	KANGXI RADICAL HIDING ENCLOSURE ≈ 5338 匚	2F34	广	KANGXI RADICAL DOTTED CLIFF ≈ 5E7F 广
2F17	十	KANGXI RADICAL TEN ≈ 5341 十	2F35	彳	KANGXI RADICAL LONG STRIDE ≈ 5EF4 彳
2F18	卜	KANGXI RADICAL DIVINATION ≈ 535C 卜	2F36	井	KANGXI RADICAL TWO HANDS ≈ 5EFE 井
2F19	卩	KANGXI RADICAL SEAL ≈ 5369 卩	2F37	弋	KANGXI RADICAL SHOOT ≈ 5F0B 弋
2F1A	厂	KANGXI RADICAL CLIFF ≈ 5382 厂	2F38	弓	KANGXI RADICAL BOW ≈ 5F13 弓
2F1B	厶	KANGXI RADICAL PRIVATE ≈ 53B6 厶	2F39	彡	KANGXI RADICAL SNOUT ≈ 5F50 彡
2F1C	又	KANGXI RADICAL AGAIN ≈ 53C8 又	2F3A	彡	KANGXI RADICAL BRISTLE ≈ 5F61 彡
2F1D	口	KANGXI RADICAL MOUTH ≈ 53E3 口	2F3B	彳	KANGXI RADICAL STEP ≈ 5F73 彳
			2F3C	心	KANGXI RADICAL HEART ≈ 5FC3 心

2F3D	戈	KANGXI RADICAL HALBERD ≈ 6208 戈	2F5C	牛	KANGXI RADICAL COW ≈ 725B 牛
2F3E	户	KANGXI RADICAL DOOR ≈ 6236 户	2F5D	犬	KANGXI RADICAL DOG ≈ 72AC 犬
2F3F	手	KANGXI RADICAL HAND ≈ 624B 手	2F5E	玄	KANGXI RADICAL PROFOUND ≈ 7384 玄
2F40	支	KANGXI RADICAL BRANCH ≈ 652F 支	2F5F	玉	KANGXI RADICAL JADE ≈ 7389 玉
2F41	支	KANGXI RADICAL RAP ≈ 6534 支	2F60	瓜	KANGXI RADICAL MELON ≈ 74DC 瓜
2F42	文	KANGXI RADICAL SCRIPT ≈ 6587 文	2F61	瓦	KANGXI RADICAL TILE ≈ 74E6 瓦
2F43	斗	KANGXI RADICAL DIPPER ≈ 6597 斗	2F62	甘	KANGXI RADICAL SWEET ≈ 7518 甘
2F44	斤	KANGXI RADICAL AXE ≈ 65A4 斤	2F63	生	KANGXI RADICAL LIFE ≈ 751F 生
2F45	方	KANGXI RADICAL SQUARE ≈ 65B9 方	2F64	用	KANGXI RADICAL USE ≈ 7528 用
2F46	无	KANGXI RADICAL NOT ≈ 65E0 无	2F65	田	KANGXI RADICAL FIELD ≈ 7530 田
2F47	日	KANGXI RADICAL SUN ≈ 65E5 日	2F66	疋	KANGXI RADICAL BOLT OF CLOTH ≈ 758B 疋
2F48	曰	KANGXI RADICAL SAY ≈ 66F0 曰	2F67	疒	KANGXI RADICAL SICKNESS ≈ 7592 疒
2F49	月	KANGXI RADICAL MOON ≈ 6708 月	2F68	𠃊	KANGXI RADICAL DOTTED TENT ≈ 7676 𠃊
2F4A	木	KANGXI RADICAL TREE ≈ 6728 木	2F69	白	KANGXI RADICAL WHITE ≈ 767D 白
2F4B	欠	KANGXI RADICAL LACK ≈ 6B20 欠	2F6A	皮	KANGXI RADICAL SKIN ≈ 76AE 皮
2F4C	止	KANGXI RADICAL STOP ≈ 6B62 止	2F6B	皿	KANGXI RADICAL DISH ≈ 76BF 皿
2F4D	歹	KANGXI RADICAL DEATH ≈ 6B79 歹	2F6C	目	KANGXI RADICAL EYE ≈ 76EE 目
2F4E	爿	KANGXI RADICAL WEAPON ≈ 6BB3 爿	2F6D	矛	KANGXI RADICAL SPEAR ≈ 77DB 矛
2F4F	毋	KANGXI RADICAL DO NOT ≈ 6BCB 毋	2F6E	矢	KANGXI RADICAL ARROW ≈ 77E2 矢
2F50	比	KANGXI RADICAL COMPARE ≈ 6BD4 比	2F6F	石	KANGXI RADICAL STONE ≈ 77F3 石
2F51	毛	KANGXI RADICAL FUR ≈ 6BDB 毛	2F70	示	KANGXI RADICAL SPIRIT ≈ 793A 示
2F52	氏	KANGXI RADICAL CLAN ≈ 6C0F 氏	2F71	阝	KANGXI RADICAL TRACK ≈ 79B8 阝
2F53	气	KANGXI RADICAL STEAM ≈ 6C14 气	2F72	禾	KANGXI RADICAL GRAIN ≈ 79BE 禾
2F54	水	KANGXI RADICAL WATER ≈ 6C34 水	2F73	宀	KANGXI RADICAL CAVE ≈ 7A74 宀
2F55	火	KANGXI RADICAL FIRE ≈ 706B 火	2F74	立	KANGXI RADICAL STAND ≈ 7ACB 立
2F56	爪	KANGXI RADICAL CLAW ≈ 722A 爪	2F75	竹	KANGXI RADICAL BAMBOO ≈ 7AF9 竹
2F57	父	KANGXI RADICAL FATHER ≈ 7236 父	2F76	米	KANGXI RADICAL RICE ≈ 7C73 米
2F58	爻	KANGXI RADICAL DOUBLE X ≈ 723B 爻	2F77	糸	KANGXI RADICAL SILK ≈ 7CF8 糸
2F59	丌	KANGXI RADICAL HALF TREE TRUNK ≈ 723F 丌	2F78	缶	KANGXI RADICAL JAR ≈ 7F36 缶
2F5A	片	KANGXI RADICAL SLICE ≈ 7247 片	2F79	网	KANGXI RADICAL NET ≈ 7F51 网
2F5B	牙	KANGXI RADICAL FANG ≈ 7259 牙	2F7A	羊	KANGXI RADICAL SHEEP ≈ 7F8A 羊

2F7B 羽 KANGXI RADICAL FEATHER  
≈ 7FBD 羽

2F7C 老 KANGXI RADICAL OLD  
≈ 8001 老

2F7D 而 KANGXI RADICAL AND  
≈ 800C 而

2F7E 耒 KANGXI RADICAL PLOW  
≈ 8012 耒

2F7F 耳 KANGXI RADICAL EAR  
≈ 8033 耳

2F80 聿 KANGXI RADICAL BRUSH  
≈ 807F 聿

2F81 肉 KANGXI RADICAL MEAT  
≈ 8089 肉

2F82 臣 KANGXI RADICAL MINISTER  
≈ 81E3 臣

2F83 自 KANGXI RADICAL SELF  
≈ 81EA 自

2F84 至 KANGXI RADICAL ARRIVE  
≈ 81F3 至

2F85 臼 KANGXI RADICAL MORTAR  
≈ 81FC 臼

2F86 舌 KANGXI RADICAL TONGUE  
≈ 820C 舌

2F87 舛 KANGXI RADICAL OPPOSE  
≈ 821B 舛

2F88 舟 KANGXI RADICAL BOAT  
≈ 821F 舟

2F89 艮 KANGXI RADICAL STOPPING  
≈ 826E 艮

2F8A 色 KANGXI RADICAL COLOR  
≈ 8272 色

2F8B 艸 KANGXI RADICAL GRASS  
≈ 8278 艸

2F8C 虍 KANGXI RADICAL TIGER  
≈ 864D 虍

2F8D 虫 KANGXI RADICAL INSECT  
≈ 866B 虫

2F8E 血 KANGXI RADICAL BLOOD  
≈ 8840 血

2F8F 行 KANGXI RADICAL WALK ENCLOSURE  
≈ 884C 行

2F90 衣 KANGXI RADICAL CLOTHES  
≈ 8863 衣

2F91 酉 KANGXI RADICAL WEST  
≈ 897E 酉

2F92 見 KANGXI RADICAL SEE  
≈ 898B 見

2F93 角 KANGXI RADICAL HORN  
≈ 89D2 角

2F94 言 KANGXI RADICAL SPEECH  
≈ 8A00 言

2F95 谷 KANGXI RADICAL VALLEY  
≈ 8C37 谷

2F96 豆 KANGXI RADICAL BEAN  
≈ 8C46 豆

2F97 豕 KANGXI RADICAL PIG  
≈ 8C55 豕

2F98 豸 KANGXI RADICAL BADGER  
≈ 8C78 豸

2F99 貝 KANGXI RADICAL SHELL  
≈ 8C9D 貝

2F9A 赤 KANGXI RADICAL RED  
≈ 8D64 赤

2F9B 走 KANGXI RADICAL RUN  
≈ 8D70 走

2F9C 足 KANGXI RADICAL FOOT  
≈ 8DB3 足

2F9D 身 KANGXI RADICAL BODY  
≈ 8EAB 身

2F9E 車 KANGXI RADICAL CART  
≈ 8ECA 車

2F9F 辛 KANGXI RADICAL BITTER  
≈ 8F9B 辛

2FA0 辰 KANGXI RADICAL MORNING  
≈ 8FB0 辰

2FA1 辵 KANGXI RADICAL WALK  
≈ 8FB5 辵

2FA2 邑 KANGXI RADICAL CITY  
≈ 9091 邑

2FA3 酉 KANGXI RADICAL WINE  
≈ 9149 酉

2FA4 采 KANGXI RADICAL DISTINGUISH  
≈ 91C6 采

2FA5 里 KANGXI RADICAL VILLAGE  
≈ 91CC 里

2FA6 金 KANGXI RADICAL GOLD  
≈ 91D1 金

2FA7 長 KANGXI RADICAL LONG  
≈ 9577 長

2FA8 門 KANGXI RADICAL GATE  
≈ 9580 門

2FA9 阜 KANGXI RADICAL MOUND  
≈ 961C 阜

2FAA 隸 KANGXI RADICAL SLAVE  
≈ 96B6 隸

2FAB 隹 KANGXI RADICAL SHORT TAILED BIRD  
≈ 96B9 隹

2FAC 雨 KANGXI RADICAL RAIN  
≈ 96E8 雨

2FAD 青 KANGXI RADICAL BLUE  
≈ 9751 青

2FAE 非 KANGXI RADICAL WRONG  
≈ 975E 非

2FAF 面 KANGXI RADICAL FACE  
≈ 9762 面

2FB0 革 KANGXI RADICAL LEATHER  
≈ 9769 革

2FB1 韋 KANGXI RADICAL TANNED LEATHER  
≈ 97CB 韋

2FB2 韭 KANGXI RADICAL LEEK  
≈ 97ED 韭

2FB3 音 KANGXI RADICAL SOUND  
≈ 97F3 音

2FB4 頁 KANGXI RADICAL LEAF  
≈ 9801 頁

















2FB5 風 KANGXI RADICAL WIND  
≈ 98A8 風

2FB6 飛 KANGXI RADICAL FLY  
≈ 98DB 飛

2FB7 食 KANGXI RADICAL EAT  
≈ 98DF 食













2FB8 首 KANGXI RADICAL HEAD  
≈ 9996 首

2FB9	香	KANGXI RADICAL FRAGRANT ≈ 9999 香
2FBA	馬	KANGXI RADICAL HORSE ≈ 99AC 馬
2FBB	骨	KANGXI RADICAL BONE ≈ 9AA8 骨
2FBC	高	KANGXI RADICAL TALL ≈ 9AD8 高
2FBD	髟	KANGXI RADICAL HAIR ≈ 9ADF 髟
2FBE	鬥	KANGXI RADICAL FIGHT ≈ 9B25 鬥
2FBF	鬯	KANGXI RADICAL SACRIFICIAL WINE ≈ 9B2F 鬯
2FC0	鬲	KANGXI RADICAL CAULDRON ≈ 9B32 鬲
2FC1	鬼	KANGXI RADICAL GHOST ≈ 9B3C 鬼
2FC2	魚	KANGXI RADICAL FISH ≈ 9B5A 魚
2FC3	鳥	KANGXI RADICAL BIRD ≈ 9CE5 鳥
2FC4	鹵	KANGXI RADICAL SALT ≈ 9E75 鹵
2FC5	鹿	KANGXI RADICAL DEER ≈ 9E7F 鹿
2FC6	麥	KANGXI RADICAL WHEAT ≈ 9EA5 麥
2FC7	麻	KANGXI RADICAL HEMP ≈ 9EBB 麻
2FC8	黃	KANGXI RADICAL YELLOW ≈ 9EC3 黃
2FC9	黍	KANGXI RADICAL MILLET ≈ 9ECD 黍
2FCA	黑	KANGXI RADICAL BLACK ≈ 9ED1 黑
2FCB	黻	KANGXI RADICAL EMBROIDERY ≈ 9EF9 黻
2FCC	黽	KANGXI RADICAL FROG ≈ 9EFD 黽
2FCD	鼎	KANGXI RADICAL TRIPOD ≈ 9F0E 鼎
2FCE	鼓	KANGXI RADICAL DRUM ≈ 9F13 鼓
2FCF	鼠	KANGXI RADICAL RAT ≈ 9F20 鼠
2FD0	鼻	KANGXI RADICAL NOSE ≈ 9F3B 鼻
2FD1	齊	KANGXI RADICAL EVEN ≈ 9F4A 齊
2FD2	齒	KANGXI RADICAL TOOTH ≈ 9F52 齒
2FD3	龍	KANGXI RADICAL DRAGON ≈ 9F8D 龍
2FD4	龜	KANGXI RADICAL TURTLE ≈ 9F9C 龜
2FD5	龠	KANGXI RADICAL FLUTE ≈ 9FA0 龠

































































2FF	
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2	 2FF2
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4	 2FF4
5	 2FF5
6	 2FF6
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A	 2FFA
B	 2FFB
C	
D	
E	
F	

**Ideographic description characters**

















*These are visibly displayed graphic characters, not invisible composition controls.*

- 2FF0  IDEOGRAPHIC DESCRIPTION CHARACTER LEFT TO RIGHT
- 2FF1  IDEOGRAPHIC DESCRIPTION CHARACTER ABOVE TO BELOW
- 2FF2  IDEOGRAPHIC DESCRIPTION CHARACTER LEFT TO MIDDLE AND RIGHT
- 2FF3  IDEOGRAPHIC DESCRIPTION CHARACTER ABOVE TO MIDDLE AND BELOW
- 2FF4  IDEOGRAPHIC DESCRIPTION CHARACTER FULL SURROUND
- 2FF5  IDEOGRAPHIC DESCRIPTION CHARACTER SURROUND FROM ABOVE
- 2FF6  IDEOGRAPHIC DESCRIPTION CHARACTER SURROUND FROM BELOW
- 2FF7  IDEOGRAPHIC DESCRIPTION CHARACTER SURROUND FROM LEFT
- 2FF8  IDEOGRAPHIC DESCRIPTION CHARACTER SURROUND FROM UPPER LEFT
- 2FF9  IDEOGRAPHIC DESCRIPTION CHARACTER SURROUND FROM UPPER RIGHT
- 2FFA  IDEOGRAPHIC DESCRIPTION CHARACTER SURROUND FROM LOWER LEFT
- 2FFB  IDEOGRAPHIC DESCRIPTION CHARACTER OVERLAID



















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2	 3002	 3012	 3022	 3032
3	 3003	 3013	 3023	 3033
4	 3004	 3014	 3024	 3034
5	 3005	 3015	 3025	 3035
6	 3006	 3016	 3026	 3036
7	 3007	 3017	 3027	 3037
8	 3008	 3018	 3028	 3038
9	 3009	 3019	 3029	 3039
A	 300A	 301A	 302A	 303A
B	 300B	 301B	 302B	 303B
C	 300C	 301C	 302C	 303C
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**CJK symbols and punctuation**







- 3000  IDEOGRAPHIC SPACE  
→ 0020  space  
≈ <wide> 0020 
- 3001  IDEOGRAPHIC COMMA  
→ 002C  comma
- 3002  IDEOGRAPHIC FULL STOP  
→ 002E  full stop
- 3003  DITTO MARK  
→ 2033  double prime
- 3004  JAPANESE INDUSTRIAL STANDARD SYMBOL
- 3005  IDEOGRAPHIC ITERATION MARK
- 3006  IDEOGRAPHIC CLOSING MARK
- 3007  IDEOGRAPHIC NUMBER ZERO  
→ 20DD  combining enclosing circle  
→ 25CB  white circle  
→ 25EF  large circle

**CJK angle brackets**



- 3008  LEFT ANGLE BRACKET  
→ 003C  less-than sign  
→ 2039  single left-pointing angle quotation mark  
→ 2329  left-pointing angle bracket  
→ 27E8  mathematical left angle bracket
- 3009  RIGHT ANGLE BRACKET  
→ 003E  greater-than sign  
→ 203A  single right-pointing angle quotation mark  
→ 232A  right-pointing angle bracket  
→ 27E9  mathematical right angle bracket
- 300A  LEFT DOUBLE ANGLE BRACKET  
→ 00AB  left-pointing double angle quotation mark  
→ 27EA  mathematical left double angle bracket
- 300B  RIGHT DOUBLE ANGLE BRACKET  
→ 00BB  right-pointing double angle quotation mark  
→ 27EB  mathematical right double angle bracket

**CJK corner brackets**

*The CJK corner brackets, which function as quotation marks, are not recommended for general-purpose corner brackets. See the ceiling and floor characters, instead.*



- 300C  LEFT CORNER BRACKET  
→ 2308  left ceiling
- 300D  RIGHT CORNER BRACKET  
• used as quotation marks  
→ 230B  right floor
- 300E  LEFT WHITE CORNER BRACKET
- 300F  RIGHT WHITE CORNER BRACKET  
• used as quotation marks

**CJK brackets**













- 3010  LEFT BLACK LENTICULAR BRACKET
- 3011  RIGHT BLACK LENTICULAR BRACKET

**CJK symbols**












- 3012  POSTAL MARK

- 3013  GETA MARK  
• substitute for ideograph not in font  
• editorial convention to represent ideographic lacuna  
→ 25A1  white square

**CJK brackets**










- 3014  LEFT TORTOISE SHELL BRACKET
- 3015  RIGHT TORTOISE SHELL BRACKET
- 3016  LEFT WHITE LENTICULAR BRACKET
- 3017  RIGHT WHITE LENTICULAR BRACKET
- 3018  LEFT WHITE TORTOISE SHELL BRACKET  
→ 27EC  mathematical left white tortoise shell bracket
- 3019  RIGHT WHITE TORTOISE SHELL BRACKET  
→ 27ED  mathematical right white tortoise shell bracket
- 301A  LEFT WHITE SQUARE BRACKET  
= left abstract syntax bracket  
→ 27E6  mathematical left white square bracket
- 301B  RIGHT WHITE SQUARE BRACKET  
= right abstract syntax bracket  
→ 27E7  mathematical right white square bracket

**CJK symbols and punctuation**

- 301C  WAVE DASH  
• This character was encoded to match JIS C 6226-1978 1-33 "wave dash". The JIS standards and some industry practice disagree in mapping.  
→ 3030  wavy dash  
→ FF5E  fullwidth tilde
- 301D  REVERSED DOUBLE PRIME QUOTATION MARK  
• sometimes depicted as double prime quotation mark  
→ 201C  left double quotation mark  
→ 2036  reversed double prime
- 301E  DOUBLE PRIME QUOTATION MARK  
• this is a mistaken analogue to 201D ”; 301F ” is preferred  
→ 201D  right double quotation mark  
→ 2033  double prime
- 301F  LOW DOUBLE PRIME QUOTATION MARK  
• may be depicted as low inverse double prime quotation mark
- 3020  POSTAL MARK FACE

**Suzhou numerals**

*The Suzhou numerals (Chinese su1zhou1ma3zi) are special numeric forms used by traders to display the prices of goods. The use of "HANGZHOU" in the names is a misnomer.*

- 3021  HANGZHOU NUMERAL ONE
- 3022  HANGZHOU NUMERAL TWO
- 3023  HANGZHOU NUMERAL THREE
- 3024  HANGZHOU NUMERAL FOUR
- 3025  HANGZHOU NUMERAL FIVE
- 3026  HANGZHOU NUMERAL SIX
- 3027  HANGZHOU NUMERAL SEVEN
- 3028  HANGZHOU NUMERAL EIGHT
- 3029  HANGZHOU NUMERAL NINE

**Diacritics**

- 302A  IDEOGRAPHIC LEVEL TONE MARK
- 302B  IDEOGRAPHIC RISING TONE MARK
- 302C  IDEOGRAPHIC DEPARTING TONE MARK

- 302D ◌ IDEOGRAPHIC ENTERING TONE MARK  
 302E ◌ HANGUL SINGLE DOT TONE MARK  
 = single dot Bangjeom  
 302F ◌ HANGUL DOUBLE DOT TONE MARK  
 = double dot Bangjeom

**Other CJK symbols**

- 3030 ~ WAVY DASH  
 → 2307 ㄱ wavy line  
 → 301C ㄴ wave dash  
 3031 < VERTICAL KANA REPEAT MARK  
 3032 < VERTICAL KANA REPEAT WITH VOICED SOUND MARK  
 • the preceding two semantic characters are preferred to the following three glyphic forms  
 3033 / VERTICAL KANA REPEAT MARK UPPER HALF  
 3034 /> VERTICAL KANA REPEAT WITH VOICED SOUND MARK UPPER HALF  
 • the preceding two are glyphs used in conjunction with the following glyph  
 3035 \ VERTICAL KANA REPEAT MARK LOWER HALF  
 3036 ⊕ CIRCLED POSTAL MARK  
 ≈ 3012 ㄷ postal mark  
 3037 XX IDEOGRAPHIC TELEGRAPH LINE FEED SEPARATOR SYMBOL

**Additional Suzhou numerals**

- 3038 十 HANGZHOU NUMERAL TEN  
 ≈ 5341 十  
 3039 廿 HANGZHOU NUMERAL TWENTY  
 ≈ 5344 廿  
 303A 卅 HANGZHOU NUMERAL THIRTY  
 ≈ 5345 卅

**Other CJK punctuation**

- 303B 々 VERTICAL IDEOGRAPHIC ITERATION MARK  
 303C ㄱ MASU MARK  
 • informal abbreviation for Japanese -masu ending  
 → 29C4 ㄱ squared rising diagonal slash  
 303D ㄴ PART ALTERNATION MARK  
 • marks the start of a song part in Japanese

**Special CJK indicators**

*These are visibly displayed graphic characters, not invisible format control characters.*

- 303E ㄱ IDEOGRAPHIC VARIATION INDICATOR  
 • visual indicator that the following ideograph is to be taken as a variant of the intended character  
 303F ㄱ IDEOGRAPHIC HALF FILL SPACE  
 • visual indicator of a screen space for half of an ideograph

	304	305	306	307	308	309
0		ぐ 3050	だ 3060	ば 3070	む 3080	み 3090
1	あ 3041	け 3051	ち 3061	ば <sup>o</sup> 3071	め 3081	ゑ 3091
2	あ 3042	げ 3052	ぢ 3062	ひ 3072	も 3082	を 3092
3	い 3043	こ 3053	っ 3063	び 3073	ゃ 3083	ん 3093
4	い 3044	ご 3054	っ 3064	び <sup>o</sup> 3074	ゃ 3084	う 3094
5	う 3045	さ 3055	づ 3065	ふ 3075	ゆ 3085	か 3095
6	う 3046	ざ 3056	て 3066	ぶ 3076	ゆ 3086	け 3096
7	え 3047	し 3057	で 3067	ぶ <sup>o</sup> 3077	よ 3087	
8	え 3048	じ 3058	と 3068	へ 3078	よ 3088	
9	お 3049	す 3059	ど 3069	べ 3079	ら <sup>o</sup> 3089	ゝ <sup>o</sup> 3099
A	お 304A	ず 305A	な 306A	ぺ 307A	り <sup>o</sup> 308A	ゞ <sup>o</sup> 309A
B	か 304B	せ 305B	に 306B	ほ 307B	る 308B	ゝ <sup>o</sup> 309B
C	が 304C	ぜ 305C	ぬ 306C	ぼ 307C	れ <sup>o</sup> 308C	ゞ <sup>o</sup> 309C
D	き 304D	そ 305D	ね 306D	ぽ 307D	ろ 308D	ゝ <sup>o</sup> 309D
E	ぎ 304E	ぞ 305E	の 306E	ま 307E	わ 308E	ゞ <sup>o</sup> 309E
F	く 304F	た 305F	は 306F	み 307F	わ 308F	ち 309F

**Hiragana letters**

3041	あ	HIRAGANA LETTER SMALL A
3042	ぁ	HIRAGANA LETTER A
3043	い	HIRAGANA LETTER SMALL I
3044	ぃ	HIRAGANA LETTER I
3045	う	HIRAGANA LETTER SMALL U
3046	ぅ	HIRAGANA LETTER U
3047	え	HIRAGANA LETTER SMALL E
3048	ぇ	HIRAGANA LETTER E
3049	お	HIRAGANA LETTER SMALL O
304A	ぉ	HIRAGANA LETTER O
304B	か	HIRAGANA LETTER KA
304C	が	HIRAGANA LETTER GA ≡ 304B か 3099 °
304D	き	HIRAGANA LETTER KI
304E	ぎ	HIRAGANA LETTER GI ≡ 304D き 3099 °
304F	く	HIRAGANA LETTER KU
3050	ぐ	HIRAGANA LETTER GU ≡ 304F く 3099 °
3051	け	HIRAGANA LETTER KE
3052	げ	HIRAGANA LETTER GE ≡ 3051 け 3099 °
3053	こ	HIRAGANA LETTER KO
3054	ご	HIRAGANA LETTER GO ≡ 3053 こ 3099 °
3055	さ	HIRAGANA LETTER SA
3056	ざ	HIRAGANA LETTER ZA ≡ 3055 さ 3099 °
3057	し	HIRAGANA LETTER SI = SHI
3058	じ	HIRAGANA LETTER ZI = JI (not unique) ≡ 3057 し 3099 °
3059	す	HIRAGANA LETTER SU
305A	ず	HIRAGANA LETTER ZU ≡ 3059 す 3099 °
305B	せ	HIRAGANA LETTER SE
305C	ぜ	HIRAGANA LETTER ZE ≡ 305B せ 3099 °
305D	そ	HIRAGANA LETTER SO
305E	ぞ	HIRAGANA LETTER ZO ≡ 305D そ 3099 °
305F	た	HIRAGANA LETTER TA
3060	だ	HIRAGANA LETTER DA ≡ 305F た 3099 °
3061	ち	HIRAGANA LETTER TI = CHI
3062	ぢ	HIRAGANA LETTER DI = JI (not unique) ≡ 3061 ち 3099 °
3063	っ	HIRAGANA LETTER SMALL TU = SMALL TSU
3064	っ	HIRAGANA LETTER TU = TSU
3065	づ	HIRAGANA LETTER DU = ZU (not unique) ≡ 3064 っ 3099 °
3066	て	HIRAGANA LETTER TE
3067	で	HIRAGANA LETTER DE ≡ 3066 て 3099 °
3068	と	HIRAGANA LETTER TO

3069	ど	HIRAGANA LETTER DO ≡ 3068 と 3099 °
306A	な	HIRAGANA LETTER NA
306B	に	HIRAGANA LETTER NI
306C	ぬ	HIRAGANA LETTER NU
306D	ね	HIRAGANA LETTER NE
306E	の	HIRAGANA LETTER NO
306F	は	HIRAGANA LETTER HA
3070	ば	HIRAGANA LETTER BA ≡ 306F は 3099 °
3071	ぱ	HIRAGANA LETTER PA ≡ 306F は 309A °
3072	ひ	HIRAGANA LETTER HI
3073	び	HIRAGANA LETTER BI ≡ 3072 ひ 3099 °
3074	び	HIRAGANA LETTER PI ≡ 3072 ひ 309A °
3075	ふ	HIRAGANA LETTER HU = FU
3076	ぶ	HIRAGANA LETTER BU ≡ 3075 ふ 3099 °
3077	ぷ	HIRAGANA LETTER PU ≡ 3075 ふ 309A °
3078	へ	HIRAGANA LETTER HE
3079	べ	HIRAGANA LETTER BE ≡ 3078 へ 3099 °
307A	ぺ	HIRAGANA LETTER PE ≡ 3078 へ 309A °
307B	ほ	HIRAGANA LETTER HO
307C	ぼ	HIRAGANA LETTER BO ≡ 307B ほ 3099 °
307D	ぼ	HIRAGANA LETTER PO ≡ 307B ほ 309A °
307E	ま	HIRAGANA LETTER MA
307F	み	HIRAGANA LETTER MI
3080	む	HIRAGANA LETTER MU
3081	め	HIRAGANA LETTER ME
3082	も	HIRAGANA LETTER MO
3083	ゃ	HIRAGANA LETTER SMALL YA
3084	や	HIRAGANA LETTER YA
3085	ゅ	HIRAGANA LETTER SMALL YU
3086	ゆ	HIRAGANA LETTER YU
3087	ょ	HIRAGANA LETTER SMALL YO
3088	よ	HIRAGANA LETTER YO
3089	ら	HIRAGANA LETTER RA
308A	り	HIRAGANA LETTER RI
308B	る	HIRAGANA LETTER RU
308C	れ	HIRAGANA LETTER RE
308D	ろ	HIRAGANA LETTER RO
308E	わ	HIRAGANA LETTER SMALL WA
308F	わ	HIRAGANA LETTER WA
3090	ゐ	HIRAGANA LETTER WI
3091	ゑ	HIRAGANA LETTER WE
3092	を	HIRAGANA LETTER WO
3093	ん	HIRAGANA LETTER N
3094	づ	HIRAGANA LETTER VU ≡ 3046 う 3099 °

**Small letters**

3095	か	HIRAGANA LETTER SMALL KA
3096	け	HIRAGANA LETTER SMALL KE

**Voicing marks**

- 3099 ◌<sup>◌</sup> COMBINING KATAKANA-HIRAGANA VOICED SOUND MARK
- 309A ◌<sup>◌◌</sup> COMBINING KATAKANA-HIRAGANA SEMI-VOICED SOUND MARK
- 309B ◌<sup>◌◌◌</sup> KATAKANA-HIRAGANA VOICED SOUND MARK  
 ≈ 0020 SP 3099 ◌<sup>◌</sup>
- 309C ◌<sup>◌◌◌◌</sup> KATAKANA-HIRAGANA SEMI-VOICED SOUND MARK  
 ≈ 0020 SP 309A ◌<sup>◌◌</sup>

**Iteration marks**

- 309D > HIRAGANA ITERATION MARK
- 309E ><sup>◌</sup> HIRAGANA VOICED ITERATION MARK  
 ≡ 309D > 3099 ◌<sup>◌</sup>

**Hiragana digraph**

- 309F ㇿ HIRAGANA DIGRAPH YORI
- historically used in vertical contexts, but now found also in horizontal layout
- ≈ <vertical> 3088 ㇿ 308A ㇿ

	30A	30B	30C	30D	30E	30F
0	＝ 30A0	グ 30B0	ダ 30C0	バ 30D0	ム 30E0	キ 30F0
1	ア 30A1	ケ 30B1	チ 30C1	パ 30D1	メ 30E1	エ 30F1
2	ア 30A2	ゲ 30B2	ヂ 30C2	ヒ 30D2	モ 30E2	ヲ 30F2
3	イ 30A3	コ 30B3	ツ 30C3	ビ 30D3	ヤ 30E3	ン 30F3
4	イ 30A4	ゴ 30B4	ツ 30C4	ピ 30D4	ヤ 30E4	ヴ 30F4
5	ウ 30A5	サ 30B5	ヅ 30C5	フ 30D5	ユ 30E5	カ 30F5
6	ウ 30A6	ザ 30B6	テ 30C6	ブ 30D6	ユ 30E6	ケ 30F6
7	エ 30A7	シ 30B7	デ 30C7	プ 30D7	ヨ 30E7	ヴ 30F7
8	エ 30A8	ジ 30B8	ト 30C8	ヘ 30D8	ヨ 30E8	ギ 30F8
9	オ 30A9	ス 30B9	ド 30C9	ベ 30D9	ラ 30E9	エ 30F9
A	オ 30AA	ズ 30BA	ナ 30CA	ペ 30DA	リ 30EA	ヅ 30FA
B	カ 30AB	セ 30BB	ニ 30CB	ホ 30DB	ル 30EB	・ 30FB
C	ガ 30AC	ゼ 30BC	ヌ 30CC	ボ 30DC	レ 30EC	ー 30FC
D	キ 30AD	ソ 30BD	ネ 30CD	ポ 30DD	ロ 30ED	ヽ 30FD
E	ギ 30AE	ゾ 30BE	ノ 30CE	マ 30DE	ワ 30EE	ヾ 30FE
F	ク 30AF	タ 30BF	ハ 30CF	ミ 30DF	ワ 30EF	ヾ 30FF

**Katakana punctuation**

30A0 = KATAKANA-HIRAGANA DOUBLE HYPHEN  
→ 003D = equals sign

**Katakana letters**

30A1 ア KATAKANA LETTER SMALL A  
 30A2 ア KATAKANA LETTER A  
 30A3 イ KATAKANA LETTER SMALL I  
 30A4 イ KATAKANA LETTER I  
 30A5 ウ KATAKANA LETTER SMALL U  
 30A6 ウ KATAKANA LETTER U  
 30A7 エ KATAKANA LETTER SMALL E  
 30A8 エ KATAKANA LETTER E  
 30A9 オ KATAKANA LETTER SMALL O  
 30AA オ KATAKANA LETTER O  
 30AB カ KATAKANA LETTER KA  
 30AC ガ KATAKANA LETTER GA  
 ≡ 30AB カ 3099 ◌  
 30AD キ KATAKANA LETTER KI  
 30AE ギ KATAKANA LETTER GI  
 ≡ 30AD キ 3099 ◌  
 30AF ク KATAKANA LETTER KU  
 30B0 グ KATAKANA LETTER GU  
 ≡ 30AF ク 3099 ◌  
 30B1 ケ KATAKANA LETTER KE  
 30B2 ゲ KATAKANA LETTER GE  
 ≡ 30B1 ケ 3099 ◌  
 30B3 コ KATAKANA LETTER KO  
 30B4 ゴ KATAKANA LETTER GO  
 ≡ 30B3 コ 3099 ◌  
 30B5 サ KATAKANA LETTER SA  
 30B6 ザ KATAKANA LETTER ZA  
 ≡ 30B5 サ 3099 ◌  
 30B7 シ KATAKANA LETTER SI  
 = SHI  
 30B8 ジ KATAKANA LETTER ZI  
 = JI (not unique)  
 ≡ 30B7 シ 3099 ◌  
 30B9 ス KATAKANA LETTER SU  
 30BA ズ KATAKANA LETTER ZU  
 ≡ 30B9 ス 3099 ◌  
 30BB セ KATAKANA LETTER SE  
 30BC ゼ KATAKANA LETTER ZE  
 ≡ 30BB セ 3099 ◌  
 30BD ソ KATAKANA LETTER SO  
 30BE ゾ KATAKANA LETTER ZO  
 ≡ 30BD ソ 3099 ◌  
 30BF タ KATAKANA LETTER TA  
 30C0 ダ KATAKANA LETTER DA  
 ≡ 30BF タ 3099 ◌  
 30C1 チ KATAKANA LETTER TI  
 = CHI  
 30C2 デ KATAKANA LETTER DI  
 = JI (not unique)  
 ≡ 30C1 チ 3099 ◌  
 30C3 ッ KATAKANA LETTER SMALL TU  
 = SMALL TSU  
 30C4 ツ KATAKANA LETTER TU  
 = TSU  
 30C5 ヅ KATAKANA LETTER DU  
 = ZU (not unique)  
 ≡ 30C4 ツ 3099 ◌  
 30C6 テ KATAKANA LETTER TE

30C7 デ KATAKANA LETTER DE  
 ≡ 30C6 テ 3099 ◌  
 30C8 ト KATAKANA LETTER TO  
 30C9 ド KATAKANA LETTER DO  
 ≡ 30C8 ト 3099 ◌  
 30CA ナ KATAKANA LETTER NA  
 30CB ニ KATAKANA LETTER NI  
 30CC ヌ KATAKANA LETTER NU  
 30CD ネ KATAKANA LETTER NE  
 30CE ノ KATAKANA LETTER NO  
 30CF ハ KATAKANA LETTER HA  
 30D0 バ KATAKANA LETTER BA  
 ≡ 30CF ハ 3099 ◌  
 30D1 パ KATAKANA LETTER PA  
 ≡ 30CF ハ 309A ◌  
 30D2 ヒ KATAKANA LETTER HI  
 30D3 ビ KATAKANA LETTER BI  
 ≡ 30D2 ヒ 3099 ◌  
 30D4 ピ KATAKANA LETTER PI  
 ≡ 30D2 ヒ 309A ◌  
 30D5 フ KATAKANA LETTER HU  
 = FU  
 30D6 ブ KATAKANA LETTER BU  
 ≡ 30D5 フ 3099 ◌  
 30D7 プ KATAKANA LETTER PU  
 ≡ 30D5 フ 309A ◌  
 30D8 ヘ KATAKANA LETTER HE  
 30D9 ベ KATAKANA LETTER BE  
 ≡ 30D8 ヘ 3099 ◌  
 30DA ペ KATAKANA LETTER PE  
 ≡ 30D8 ヘ 309A ◌  
 30DB ホ KATAKANA LETTER HO  
 30DC ボ KATAKANA LETTER BO  
 ≡ 30DB ホ 3099 ◌  
 30DD ポ KATAKANA LETTER PO  
 ≡ 30DB ホ 309A ◌  
 30DE マ KATAKANA LETTER MA  
 30DF ミ KATAKANA LETTER MI  
 30E0 ム KATAKANA LETTER MU  
 30E1 メ KATAKANA LETTER ME  
 30E2 モ KATAKANA LETTER MO  
 30E3 ヤ KATAKANA LETTER SMALL YA  
 30E4 ヤ KATAKANA LETTER YA  
 30E5 ユ KATAKANA LETTER SMALL YU  
 30E6 ユ KATAKANA LETTER YU  
 30E7 ヨ KATAKANA LETTER SMALL YO  
 30E8 ヨ KATAKANA LETTER YO  
 30E9 ラ KATAKANA LETTER RA  
 30EA リ KATAKANA LETTER RI  
 30EB ル KATAKANA LETTER RU  
 30EC レ KATAKANA LETTER RE  
 30ED ロ KATAKANA LETTER RO  
 30EE ワ KATAKANA LETTER SMALL WA  
 30EF ワ KATAKANA LETTER WA  
 30F0 キ KATAKANA LETTER WI  
 30F1 エ KATAKANA LETTER WE  
 30F2 ヲ KATAKANA LETTER WO  
 30F3 ン KATAKANA LETTER N  
 30F4 ヴ KATAKANA LETTER VU  
 ≡ 30A6 ウ 3099 ◌  
 30F5 カ KATAKANA LETTER SMALL KA  
 30F6 ケ KATAKANA LETTER SMALL KE



30F7 ヲ KATAKANA LETTER VA  
 ≡ 30EF ヲ 3099 〇

30F8 キ KATAKANA LETTER VI  
 ≡ 30F0 キ 3099 〇

30F9 ズ KATAKANA LETTER VE  
 ≡ 30F1 ズ 3099 〇

30FA フ KATAKANA LETTER VO  
 ≡ 30F2 フ 3099 〇

#### Conjunction and length marks

30FB ・ KATAKANA MIDDLE DOT  
 → 00B7 · middle dot

30FC ー KATAKANA-HIRAGANA PROLONGED SOUND  
 MARK  
 → 2014 ー em dash

#### Iteration marks

30FD ヽ KATAKANA ITERATION MARK

30FE ヿ KATAKANA VOICED ITERATION MARK  
 ≡ 30FD ヽ 3099 〇

#### Katakana digraph

30FF ㇰ KATAKANA DIGRAPH KOTO  
 • historically used in vertical contexts, but now  
 found also in horizontal layout  
 ≈ <vertical> 30B3 コ 30C8 ト

	310	311	312
0		ㄐ 3110	ㄌ 3120
1		ㄑ 3111	ㄎ 3121
2		ㄒ 3112	ㄇ 3122
3		ㄓ 3113	ㄏ 3123
4		ㄔ 3114	ㄏ 3124
5	ㄅ 3105	ㄆ 3115	ㄇ 3125
6	ㄇ 3106	ㄏ 3116	ㄏ 3126
7	ㄏ 3107	ㄏ 3117	ㄏ 3127
8	ㄏ 3108	ㄏ 3118	ㄏ 3128
9	ㄏ 3109	ㄏ 3119	ㄏ 3129
A	ㄏ 310A	ㄏ 311A	ㄏ 312A
B	ㄏ 310B	ㄏ 311B	ㄏ 312B
C	ㄏ 310C	ㄏ 311C	ㄏ 312C
D	ㄏ 310D	ㄏ 311D	ㄏ 312D
E	ㄏ 310E	ㄏ 311E	
F	ㄏ 310F	ㄏ 311F	

See also the Bopomofo Extended block

**Based on GB 2312**

- 3105 ㄅ BOPOMOFO LETTER B
- 3106 ㄇ BOPOMOFO LETTER P
- 3107 ㄏ BOPOMOFO LETTER M
- 3108 ㄏ BOPOMOFO LETTER F
- 3109 ㄏ BOPOMOFO LETTER D
- 310A ㄏ BOPOMOFO LETTER T
- 310B ㄏ BOPOMOFO LETTER N
- 310C ㄏ BOPOMOFO LETTER L
- 310D ㄏ BOPOMOFO LETTER G
- 310E ㄏ BOPOMOFO LETTER K
- 310F ㄏ BOPOMOFO LETTER H
- 3110 ㄐ BOPOMOFO LETTER J
- 3111 ㄑ BOPOMOFO LETTER Q
- 3112 ㄒ BOPOMOFO LETTER X
- 3113 ㄓ BOPOMOFO LETTER ZH
- 3114 ㄔ BOPOMOFO LETTER CH
- 3115 ㄕ BOPOMOFO LETTER SH
- 3116 ㄖ BOPOMOFO LETTER R
- 3117 ㄗ BOPOMOFO LETTER Z
- 3118 ㄘ BOPOMOFO LETTER C
- 3119 ㄙ BOPOMOFO LETTER S
- 311A ㄚ BOPOMOFO LETTER A
- 311B ㄛ BOPOMOFO LETTER O
- 311C ㄜ BOPOMOFO LETTER E
- 311D ㄝ BOPOMOFO LETTER EH
- 311E ㄞ BOPOMOFO LETTER AI
- 311F ㄟ BOPOMOFO LETTER EI
- 3120 ㄠ BOPOMOFO LETTER AU
- 3121 ㄡ BOPOMOFO LETTER OU
- 3122 ㄢ BOPOMOFO LETTER AN
- 3123 ㄣ BOPOMOFO LETTER EN
- 3124 ㄤ BOPOMOFO LETTER ANG
- 3125 ㄥ BOPOMOFO LETTER ENG
- 3126 ㄦ BOPOMOFO LETTER ER
- 3127 ㄩ BOPOMOFO LETTER I

- the horizontal stroke form is considered a rendering variant




- 3128 ㄨ BOPOMOFO LETTER U
- 3129 ㄩ BOPOMOFO LETTER IU

**Dialect (non-Mandarin) letters**

- 312A ㄨ BOPOMOFO LETTER V
- 312B ㄨ BOPOMOFO LETTER NG
- 312C ㄨ BOPOMOFO LETTER GN

**Miscellaneous addition**

- 312D ㄨ BOPOMOFO LETTER IH
- for analytic representation of apical vowel

	313	314	315	316	317	318
0		ㄹㅎ 3140	ㅍ 3150	ㅍ 3160	ㅍ 3170	ㅇㅇ 3180
1	ㄱ 3131	ㅍ 3141	ㅍ 3151	ㅡ 3161	ㅍ 3171	ㅇ 3181
2	ㅍ 3132	ㅍ 3142	ㅍ 3152	ㅍ 3162	ㅍ 3172	ㅇ 3182
3	ㅍ 3133	ㅍ 3143	ㅍ 3153	ㅍ 3163	ㅍ 3173	ㅇ 3183
4	ㄴ 3134	ㅍ 3144	ㅍ 3154	 3164	ㅍ 3174	ㅍ 3184
5	ㅍ 3135	ㅍ 3145	ㅍ 3155	ㄴ 3165	ㅍ 3175	ㅎㅎ 3185
6	ㅍ 3136	ㅍ 3146	ㅍ 3156	ㄴ 3166	ㅍ 3176	ㅎ 3186
7	ㄷ 3137	ㅇ 3147	ㄴ 3157	ㅍ 3167	ㅍ 3177	ㅍ 3187
8	ㅍ 3138	ㅍ 3148	ㅍ 3158	ㅍ 3168	ㅍ 3178	ㅍ 3188
9	ㄷ 3139	ㅍ 3149	ㅍ 3159	ㅍ 3169	ㅍ 3179	ㅍ 3189
A	ㄷ 313A	ㅍ 314A	ㅍ 315A	ㅍ 316A	ㅍ 317A	ㅍ 318A
B	ㅍ 313B	ㅍ 314B	ㅍ 315B	ㅍ 316B	ㅍ 317B	ㅍ 318B
C	ㅍ 313C	ㅍ 314C	ㅍ 315C	ㅍ 316C	ㅍ 317C	ㅍ 318C
D	ㅍ 313D	ㅍ 314D	ㅍ 315D	ㅍ 316D	ㅍ 317D	· 318D
E	ㅍ 313E	ㅍ 314E	ㅍ 315E	ㅍ 316E	ㅍ 317E	· 318E
F	ㅍ 313F	ㅍ 314F	ㅍ 315F	ㅍ 316F	ㅍ 317F	

**Modern letters**

3131	ㄱ	HANGUL LETTER KIYEOK ≈ 1100 ㄱ hangul choseong kiyeok
3132	ㄲ	HANGUL LETTER SSANGKIYEOK ≈ 1101 ㄲ hangul choseong ssangkiyeok
3133	ㄳ	HANGUL LETTER KIYEOK-SIOS ≈ 11AA ㄳ hangul jongseong kiyeok-sios
3134	ㄴ	HANGUL LETTER NIEUN ≈ 1102 ㄴ hangul choseong nieun
3135	ㄷ	HANGUL LETTER NIEUN-CIEUC ≈ 11AC ㄷ hangul jongseong nieun-cieuc
3136	ㄸ	HANGUL LETTER NIEUN-HIEUH ≈ 11AD ㄸ hangul jongseong nieun-hieuh
3137	ㄹ	HANGUL LETTER TIKEUT ≈ 1103 ㄹ hangul choseong tikeut
3138	ㄺ	HANGUL LETTER SSANGTIKEUT ≈ 1104 ㄺ hangul choseong ssangtikeut
3139	ㄻ	HANGUL LETTER RIEUL ≈ 1105 ㄻ hangul choseong rieul
313A	ㄼ	HANGUL LETTER RIEUL-KIYEOK ≈ 11B0 ㄼ hangul jongseong rieul-kiyeok
313B	ㄽ	HANGUL LETTER RIEUL-MIEUM ≈ 11B1 ㄽ hangul jongseong rieul-mieum
313C	ㄾ	HANGUL LETTER RIEUL-PIEUP ≈ 11B2 ㄾ hangul jongseong rieul-pieup
313D	ㄿ	HANGUL LETTER RIEUL-SIOS ≈ 11B3 ㄿ hangul jongseong rieul-sios
313E	ㅀ	HANGUL LETTER RIEUL-THIEUTH ≈ 11B4 ㅀ hangul jongseong rieul-thieuth
313F	ㅁ	HANGUL LETTER RIEUL-PHIEUPH ≈ 11B5 ㅁ hangul jongseong rieul-phieuph
3140	ㅂ	HANGUL LETTER RIEUL-HIEUH ≈ 111A ㅂ hangul choseong rieul-hieuh
3141	ㅃ	HANGUL LETTER MIEUM ≈ 1106 ㅃ hangul choseong mieum
3142	ㅄ	HANGUL LETTER PIEUP ≈ 1107 ㅄ hangul choseong pieup
3143	ㅅ	HANGUL LETTER SSANGPIEUP ≈ 1108 ㅅ hangul choseong ssangpieup
3144	ㅆ	HANGUL LETTER PIEUP-SIOS ≈ 1121 ㅆ hangul choseong pieup-sios
3145	ㅈ	HANGUL LETTER SIOS ≈ 1109 ㅈ hangul choseong sios
3146	ㅊ	HANGUL LETTER SSANGSIOS ≈ 110A ㅊ hangul choseong ssangsios
3147	ㅇ	HANGUL LETTER IEUNG ≈ 110B ㅇ hangul choseong ieung
3148	ㅅ	HANGUL LETTER CIEUC ≈ 110C ㅅ hangul choseong cieuc
3149	ㅆ	HANGUL LETTER SSANGCIEUC ≈ 110D ㅆ hangul choseong ssangcieuc
314A	ㅈ	HANGUL LETTER CHIEUCH ≈ 110E ㅈ hangul choseong chieuch
314B	ㅋ	HANGUL LETTER KHIEUKH ≈ 110F ㅋ hangul choseong khieukh
314C	ㅊ	HANGUL LETTER THIEUTH ≈ 1110 ㅊ hangul choseong thieuth
314D	ㅍ	HANGUL LETTER PHIEUPH ≈ 1111 ㅍ hangul choseong phieuph
314E	ㅎ	HANGUL LETTER HIEUH ≈ 1112 ㅎ hangul choseong hieuh

314F	ㅏ	HANGUL LETTER A ≈ 1161 ㅏ hangul jungseong a
3150	ㅑ	HANGUL LETTER AE ≈ 1162 ㅑ hangul jungseong ae
3151	ㅓ	HANGUL LETTER YA ≈ 1163 ㅓ hangul jungseong ya
3152	ㅕ	HANGUL LETTER YAE ≈ 1164 ㅕ hangul jungseong yae
3153	ㅗ	HANGUL LETTER EO ≈ 1165 ㅗ hangul jungseong eo
3154	ㅛ	HANGUL LETTER E ≈ 1166 ㅛ hangul jungseong e
3155	ㅜ	HANGUL LETTER YEO ≈ 1167 ㅜ hangul jungseong yeo
3156	ㅠ	HANGUL LETTER YE ≈ 1168 ㅠ hangul jungseong ye
3157	ㅡ	HANGUL LETTER O ≈ 1169 ㅡ hangul jungseong o
3158	ㅜ	HANGUL LETTER WA ≈ 116A ㅜ hangul jungseong wa
3159	ㅠ	HANGUL LETTER WAE ≈ 116B ㅠ hangul jungseong wae
315A	ㅝ	HANGUL LETTER OE ≈ 116C ㅝ hangul jungseong oe
315B	ㅞ	HANGUL LETTER YO ≈ 116D ㅞ hangul jungseong yo
315C	ㅟ	HANGUL LETTER U ≈ 116E ㅟ hangul jungseong u
315D	ㅠ	HANGUL LETTER WEO ≈ 116F ㅠ hangul jungseong weo
315E	ㅡ	HANGUL LETTER WE ≈ 1170 ㅡ hangul jungseong we
315F	ㅢ	HANGUL LETTER WI ≈ 1171 ㅢ hangul jungseong wi
3160	ㅣ	HANGUL LETTER YU ≈ 1172 ㅣ hangul jungseong yu
3161	ㅡ	HANGUL LETTER EU ≈ 1173 ㅡ hangul jungseong eu
3162	ㅤ	HANGUL LETTER YI ≈ 1174 ㅤ hangul jungseong yi
3163	ㅣ	HANGUL LETTER I ≈ 1175 ㅣ hangul jungseong i

**Special character**

3164	ㅞ	HANGUL FILLER = chae um ≈ 1160 ㅞ hangul jungseong filler
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**Archaic letters**

3165	ㄴ	HANGUL LETTER SSANGNIEUN ≈ 1114 ㄴ hangul choseong ssangnieun
3166	ㄷ	HANGUL LETTER NIEUN-TIKEUT ≈ 1115 ㄷ hangul choseong nieun-tikeut
3167	ㄸ	HANGUL LETTER NIEUN-SIOS ≈ 11C7 ㄸ hangul jongseong nieun-sios
3168	ㄹ	HANGUL LETTER NIEUN-PANSIOS ≈ 11C8 ㄹ hangul jongseong nieun-pansios
3169	ㅁ	HANGUL LETTER RIEUL-KIYEOK-SIOS ≈ 11CC ㅁ hangul jongseong rieul-kiyeok-sios
316A	ㅂ	HANGUL LETTER RIEUL-TIKEUT ≈ 11CE ㅂ hangul jongseong rieul-tikeut
316B	ㅃ	HANGUL LETTER RIEUL-PIEUP-SIOS ≈ 11D3 ㅃ hangul jongseong rieul-pieup-sios

316C	ㄹㅏ	HANGUL LETTER RIEUL-PANSIOS ≈ 11D7 ㄹㅏ hangul jongseong rieul-pansios	3189	ㅛ	HANGUL LETTER YO-I ≈ 1188 ㅛ hangul jungseong yo-i
316D	ㄹㅑ	HANGUL LETTER RIEUL-YEORINHIEUH ≈ 11D9 ㄹㅑ hangul jongseong rieul-yeorinhieuh	318A	ㅛㅑ	HANGUL LETTER YU-YEO ≈ 1191 ㅛㅑ hangul jungseong yu-yeo
316E	ㅑㅑ	HANGUL LETTER MIEUM-PIEUP ≈ 111C ㅑㅑ hangul choseong mieum-pieup	318B	ㅛㅑ	HANGUL LETTER YU-YE ≈ 1192 ㅛㅑ hangul jungseong yu-ye
316F	ㅑㅓ	HANGUL LETTER MIEUM-SIOS ≈ 11DD ㅑㅓ hangul jongseong mieum-sios	318C	ㅛㅑ	HANGUL LETTER YU-I ≈ 1194 ㅛㅑ hangul jungseong yu-i
3170	ㅑㅕ	HANGUL LETTER MIEUM-PANSIOS ≈ 11DF ㅑㅕ hangul jongseong mieum-pansios	318D	ㅛ	HANGUL LETTER ARAEA ≈ 119E ㅛ hangul jungseong araea
3171	ㅑㅗ	HANGUL LETTER KAPYEOUNMIEUM ≈ 111D ㅑㅗ hangul choseong kapyeounmieum	318E	ㅛ	HANGUL LETTER ARAEAE ≈ 11A1 ㅛ hangul jungseong araea-i
3172	ㅑㅛ	HANGUL LETTER PIEUP-KIYEOK ≈ 111E ㅑㅛ hangul choseong pieup-kiyeok			
3173	ㅑㅜ	HANGUL LETTER PIEUP-TIKEUT ≈ 1120 ㅑㅜ hangul choseong pieup-tikeut			
3174	ㅑㅝ	HANGUL LETTER PIEUP-SIOS-KIYEOK ≈ 1122 ㅑㅝ hangul choseong pieup-sios-kiyeok			
3175	ㅑㅞ	HANGUL LETTER PIEUP-SIOS-TIKEUT ≈ 1123 ㅑㅞ hangul choseong pieup-sios-tikeut			
3176	ㅑㅟ	HANGUL LETTER PIEUP-CIEUC ≈ 1127 ㅑㅟ hangul choseong pieup-cieuc			
3177	ㅑㅠ	HANGUL LETTER PIEUP-THIEUTH ≈ 1129 ㅑㅠ hangul choseong pieup-thieuth			
3178	ㅑㅡ	HANGUL LETTER KAPYEOUNPIEUP ≈ 112B ㅑㅡ hangul choseong kapyeounpieup			
3179	ㅑㅢ	HANGUL LETTER KAPYEOUNSSANGPIEUP ≈ 112C ㅑㅢ hangul choseong kapyeounssangpieup			
317A	ㅑㅣ	HANGUL LETTER SIOS-KIYEOK ≈ 112D ㅑㅣ hangul choseong sios-kiyeok			
317B	ㅑㅤ	HANGUL LETTER SIOS-NIEUN ≈ 112E ㅑㅤ hangul choseong sios-nieun			
317C	ㅑㅥ	HANGUL LETTER SIOS-TIKEUT ≈ 112F ㅑㅥ hangul choseong sios-tikeut			
317D	ㅑㅦ	HANGUL LETTER SIOS-PIEUP ≈ 1132 ㅑㅦ hangul choseong sios-pieup			
317E	ㅑㅧ	HANGUL LETTER SIOS-CIEUC ≈ 1136 ㅑㅧ hangul choseong sios-cieuc			
317F	ㅑㅨ	HANGUL LETTER PANSIOS ≈ 1140 ㅑㅨ hangul choseong pansios			
3180	ㅑㅩ	HANGUL LETTER SSANGIEUNG = ssangyesieung ≈ 1147 ㅑㅩ hangul choseong ssangieung			
3181	ㅑㅪ	HANGUL LETTER YESIEUNG • archaic velar nasal ≈ 114C ㅑㅪ hangul choseong yesieung			
3182	ㅑㅫ	HANGUL LETTER YESIEUNG-SIOS ≈ 11F1 ㅑㅫ hangul jongseong yesieung-sios			
3183	ㅑㅬ	HANGUL LETTER YESIEUNG-PANSIOS ≈ 11F2 ㅑㅬ hangul jongseong yesieung-pansios			
3184	ㅑㅭ	HANGUL LETTER KAPYEOUNPHIEUPH ≈ 1157 ㅑㅭ hangul choseong kapyeounphieuph			
3185	ㅑㅮ	HANGUL LETTER SSANGHIEUH ≈ 1158 ㅑㅮ hangul choseong ssanghieuh			
3186	ㅑㅯ	HANGUL LETTER YEORINHIEUH • archaic glottal stop ≈ 1159 ㅑㅯ hangul choseong yeorinhieuh			
3187	ㅑㅰ	HANGUL LETTER YO-YA ≈ 1184 ㅑㅰ hangul jungseong yo-ya			
3188	ㅑㅱ	HANGUL LETTER YO-YAE ≈ 1185 ㅑㅱ hangul jungseong yo-yae			

	319
0	
	3190
1	∨
	3191
2	一
	3192
3	二
	3193
4	三
	3194
5	四
	3195
6	上
	3196
7	中
	3197
8	下
	3198
9	甲
	3199
A	乙
	319A
B	丙
	319B
C	丁
	319C
D	天
	319D
E	地
	319E
F	人
	319F

**Tateten**

3190 | IDEOGRAPHIC ANNOTATION LINKING MARK  
= tateten

**Kaeriten**

3191 ∨ IDEOGRAPHIC ANNOTATION REVERSE MARK  
= kaeriten re

3192 - IDEOGRAPHIC ANNOTATION ONE MARK  
≈ <sup>4E00 一

3193 = IDEOGRAPHIC ANNOTATION TWO MARK  
≈ <sup>4E8C 二

3194 ≡ IDEOGRAPHIC ANNOTATION THREE MARK  
≈ <sup>4E09 三

3195 四 IDEOGRAPHIC ANNOTATION FOUR MARK  
≈ <sup>56DB 四

3196 上 IDEOGRAPHIC ANNOTATION TOP MARK  
≈ <sup>4E0A 上

3197 中 IDEOGRAPHIC ANNOTATION MIDDLE MARK  
≈ <sup>4E2D 中

3198 下 IDEOGRAPHIC ANNOTATION BOTTOM MARK  
≈ <sup>4E0B 下

3199 甲 IDEOGRAPHIC ANNOTATION FIRST MARK  
≈ <sup>7532 甲

319A 乙 IDEOGRAPHIC ANNOTATION SECOND MARK  
≈ <sup>4E59 乙

319B 丙 IDEOGRAPHIC ANNOTATION THIRD MARK  
≈ <sup>4E19 丙

319C 丁 IDEOGRAPHIC ANNOTATION FOURTH MARK  
≈ <sup>4E01 丁

319D 天 IDEOGRAPHIC ANNOTATION HEAVEN MARK  
≈ <sup>5929 天

319E 地 IDEOGRAPHIC ANNOTATION EARTH MARK  
≈ <sup>5730 地






































319F 人 IDEOGRAPHIC ANNOTATION MAN MARK  
≈ <sup>4EBA 人

	31A	31B
0	ㄅ 31A0	ㄆ 31B0
1	ㄇ 31A1	ㄏ 31B1
2	ㄏ 31A2	ㄨ 31B2
3	ㄨ 31A3	ㄩ 31B3
4	ㄜ 31A4	ㄝ 31B4
5	ㄜ 31A5	ㄞ 31B5
6	ㄝ 31A6	ㄟ 31B6
7	ㄟ 31A7	ㄠ 31B7
8	ㄡ 31A8	
9	ㄢ 31A9	
A	ㄣ 31AA	
B	ㄤ 31AB	
C	ㄨ 31AC	
D	ㄨ 31AD	
E	ㄨ 31AE	
F	ㄨ 31AF	





































See also the Bopomofo block

**Extended Bopomofo for Minnan and Hakka**

- 31A0 ㄅ BOPOMOFO LETTER BU
- 31A1 ㄇ BOPOMOFO LETTER ZI
- 31A2 ㄏ BOPOMOFO LETTER JI
- 31A3 ㄨ BOPOMOFO LETTER GU
- 31A4 ㄜ BOPOMOFO LETTER EE
- 31A5 ㄜ BOPOMOFO LETTER ENN
- 31A6 ㄝ BOPOMOFO LETTER OO
- 31A7 ㄝ BOPOMOFO LETTER ONN
- 31A8 ㄡ BOPOMOFO LETTER IR
- 31A9 ㄢ BOPOMOFO LETTER ANN
- 31AA ㄣ BOPOMOFO LETTER INN
- 31AB ㄤ BOPOMOFO LETTER UNN
- 31AC ㄨ BOPOMOFO LETTER IM
- 31AD ㄨ BOPOMOFO LETTER NGG
- 31AE ㄨ BOPOMOFO LETTER AINN
- 31AF ㄨ BOPOMOFO LETTER AUNN
- 31B0 ㄆ BOPOMOFO LETTER AM
- 31B1 ㄏ BOPOMOFO LETTER OM
- 31B2 ㄨ BOPOMOFO LETTER ONG
- 31B3 ㄩ BOPOMOFO LETTER INNN
- 31B4 ㄨ BOPOMOFO FINAL LETTER P
- 31B5 ㄨ BOPOMOFO FINAL LETTER T
- 31B6 ㄨ BOPOMOFO FINAL LETTER K
- 31B7 ㄠ BOPOMOFO FINAL LETTER H

	31C	31D	31E
0	 31C0	 31D0	 31E0
1	 31C1	 31D1	 31E1
2	 31C2	 31D2	 31E2
3	 31C3	 31D3	 31E3
4	 31C4	 31D4	
5	 31C5	 31D5	
6	 31C6	 31D6	
7	 31C7	 31D7	
8	 31C8	 31D8	
9	 31C9	 31D9	
A	 31CA	 31DA	
B	 31CB	 31DB	
C	 31CC	 31DC	
D	 31CD	 31DD	
E	 31CE	 31DE	
F	 31CF	 31DF	

**CJK strokes**

- 31C0  CJK STROKE T
- 31C1  CJK STROKE WG
- 31C2  CJK STROKE XG
- 31C3  CJK STROKE BXG
- 31C4  CJK STROKE SW
- 31C5  CJK STROKE HZZ
- 31C6  CJK STROKE HZG
- 31C7  CJK STROKE HP
- 31C8  CJK STROKE HZWG
- 31C9  CJK STROKE SZWG
- 31CA  CJK STROKE HZT
- 31CB  CJK STROKE HZZP
- 31CC  CJK STROKE HPWG
- 31CD  CJK STROKE HZW
- 31CE  CJK STROKE HZZZ
- 31CF  CJK STROKE N
- 31D0  CJK STROKE H
- 31D1  CJK STROKE S
- 31D2  CJK STROKE P
- 31D3  CJK STROKE SP
- 31D4  CJK STROKE D
- 31D5  CJK STROKE HZ
- 31D6  CJK STROKE HG
- 31D7  CJK STROKE SZ
- 31D8  CJK STROKE SWZ
- 31D9  CJK STROKE ST
- 31DA  CJK STROKE SG
- 31DB  CJK STROKE PD
- 31DC  CJK STROKE PZ
- 31DD  CJK STROKE TN
- 31DE  CJK STROKE SZZ
- 31DF  CJK STROKE SWG
- 31E0  CJK STROKE HXWG
- 31E1  CJK STROKE HZZZG
- 31E2  CJK STROKE PG
- 31E3  CJK STROKE Q



	31F
0	ク 31F0
1	シ 31F1
2	ス 31F2
3	ト 31F3
4	ヌ 31F4
5	ハ 31F5
6	ヒ 31F6
7	フ 31F7
8	ヘ 31F8
9	ホ 31F9
A	ム 31FA
B	ラ 31FB
C	リ 31FC
D	ル 31FD
E	レ 31FE
F	ロ 31FF

**Phonetic extensions for Ainu**

31F0	ク	KATAKANA LETTER SMALL KU
31F1	シ	KATAKANA LETTER SMALL SI
31F2	ス	KATAKANA LETTER SMALL SU
31F3	ト	KATAKANA LETTER SMALL TO
31F4	ヌ	KATAKANA LETTER SMALL NU
31F5	ハ	KATAKANA LETTER SMALL HA
31F6	ヒ	KATAKANA LETTER SMALL HI
31F7	フ	KATAKANA LETTER SMALL HU
31F8	ヘ	KATAKANA LETTER SMALL HE
31F9	ホ	KATAKANA LETTER SMALL HO
31FA	ム	KATAKANA LETTER SMALL MU
31FB	ラ	KATAKANA LETTER SMALL RA
31FC	リ	KATAKANA LETTER SMALL RI
31FD	ル	KATAKANA LETTER SMALL RU
31FE	レ	KATAKANA LETTER SMALL RE
31FF	ロ	KATAKANA LETTER SMALL RO

	320	321	322	323	324	325	326	327	328	329	32A	32B	32C	32D	32E	32F
0	(ㄱ) 3200	(다) 3210	(一) 3220	(日) 3230	(祭) 3240	PTE 3250	(ㄱ) 3260	(다) 3270	(一) 3280	(日) 3290	(項) 32A0	(夜) 32B0	1月 32C0	(ア) 32D0	(チ) 32E0	(ム) 32F0
1	(ㄴ) 3201	(라) 3211	(二) 3221	(株) 3231	(休) 3241	(21) 3251	(ㄴ) 3261	(라) 3271	(二) 3281	(株) 3291	(休) 32A1	(36) 32B1	2月 32C1	(イ) 32D1	(ツ) 32E1	(メ) 32F1
2	(ㄷ) 3202	(마) 3212	(三) 3222	(有) 3232	(自) 3242	(22) 3252	(ㄷ) 3262	(마) 3272	(三) 3282	(有) 3292	(写) 32A2	(37) 32B2	3月 32C2	(ウ) 32D2	(テ) 32E2	(モ) 32F2
3	(ㄹ) 3203	(바) 3213	(四) 3223	(社) 3233	(至) 3243	(23) 3253	(ㄹ) 3263	(바) 3273	(四) 3283	(社) 3293	(正) 32A3	(38) 32B3	4月 32C3	(エ) 32D3	(ト) 32E3	(ヤ) 32F3
4	(ㄴ) 3204	(사) 3214	(五) 3224	(名) 3234	(問) 3244	(24) 3254	(ㄴ) 3264	(사) 3274	(五) 3284	(名) 3294	(上) 32A4	(39) 32B4	5月 32C4	(オ) 32D4	(ナ) 32E4	(ユ) 32F4
5	(ㄷ) 3205	(아) 3215	(六) 3225	(特) 3235	(幼) 3245	(25) 3255	(ㄷ) 3265	(아) 3275	(六) 3285	(特) 3295	(中) 32A5	(40) 32B5	6月 32C5	(カ) 32D5	(ニ) 32E5	(ヨ) 32F5
6	(ㄷ) 3206	(자) 3216	(七) 3226	(財) 3236	(文) 3246	(26) 3256	(ㄷ) 3266	(자) 3276	(七) 3286	(財) 3296	(下) 32A6	(41) 32B6	7月 32C6	(キ) 32D6	(ヌ) 32E6	(ラ) 32F6
7	(ㅇ) 3207	(차) 3217	(八) 3227	(祝) 3237	(箏) 3247	(27) 3257	(ㅇ) 3267	(차) 3277	(八) 3287	(祝) 3297	(左) 32A7	(42) 32B7	8月 32C7	(ク) 32D7	(ネ) 32E7	(リ) 32F7
8	(ㅈ) 3208	(카) 3218	(九) 3228	(劳) 3238	(10) 3248	(28) 3258	(ㅈ) 3268	(카) 3278	(九) 3288	(劳) 3298	(右) 32A8	(43) 32B8	9月 32C8	(ケ) 32D8	(ノ) 32E8	(ル) 32F8
9	(ㅊ) 3209	(타) 3219	(十) 3229	(代) 3239	(20) 3249	(29) 3259	(ㅊ) 3269	(타) 3279	(十) 3289	(秘) 3299	(医) 32A9	(44) 32B9	10月 32C9	(コ) 32D9	(ハ) 32E9	(レ) 32F9
A	(ㅋ) 320A	(파) 321A	(月) 322A	(呼) 323A	(30) 324A	(30) 325A	(ㅋ) 326A	(파) 327A	(月) 328A	(男) 329A	(宗) 32AA	(45) 32BA	11月 32CA	(サ) 32DA	(ヒ) 32EA	(ロ) 32FA
B	(ㅌ) 320B	(하) 321B	(火) 322B	(学) 323B	(40) 324B	(31) 325B	(ㅌ) 326B	(하) 327B	(火) 328B	(女) 329B	(学) 32AB	(46) 32BB	12月 32CB	(シ) 32DB	(フ) 32EB	(ワ) 32FB
C	(ㅍ) 320C	(주) 321C	(水) 322C	(監) 323C	(50) 324C	(32) 325C	(ㅍ) 326C	참고 327C	(水) 328C	(適) 329C	(監) 32AC	(47) 32BC	Hg 32CC	(ス) 32DC	(ヘ) 32EC	(卅) 32FC
D	(ㅎ) 320D	(오전) 321D	(木) 322D	(企) 323D	(60) 324D	(33) 325D	(ㅎ) 326D	(주의) 327D	(木) 328D	(優) 329D	(企) 32AD	(48) 32BD	erg 32CD	(セ) 32DD	(ホ) 32ED	(エ) 32FD
E	(가) 320E	(오후) 321E	(金) 322E	(資) 323E	(70) 324E	(34) 325E	(가) 326E	(우) 327E	(金) 328E	(印) 329E	(資) 32AE	(49) 32BE	eV 32CE	(ソ) 32DE	(マ) 32EE	(ヲ) 32FE
F	(나) 320F	321F	(土) 322F	(協) 323F	(80) 324F	(35) 325F	(나) 326F	(국) 327F	(土) 328F	(注) 329F	(協) 32AF	(50) 32BF	LTD 32CF	(夕) 32DF	(ミ) 32EF	32FF

**Parenthesized Hangul letters**

- 3200 (ㄱ) PARENTHESIZED HANGUL KIYEOK  
≈ 0028 ( 1100 ㄱ 0029 )
- 3201 (ㄴ) PARENTHESIZED HANGUL NIEUN  
≈ 0028 ( 1102 ㄴ 0029 )
- 3202 (ㄷ) PARENTHESIZED HANGUL TIKIUT  
≈ 0028 ( 1103 ㄷ 0029 )
- 3203 (ㄹ) PARENTHESIZED HANGUL RIEUL  
≈ 0028 ( 1105 ㄹ 0029 )
- 3204 (ㅁ) PARENTHESIZED HANGUL MIEUM  
≈ 0028 ( 1106 ㅁ 0029 )
- 3205 (ㅂ) PARENTHESIZED HANGUL PIEUP  
≈ 0028 ( 1107 ㅂ 0029 )
- 3206 (ㅅ) PARENTHESIZED HANGUL SIOS  
≈ 0028 ( 1109 ㅅ 0029 )
- 3207 (ㅇ) PARENTHESIZED HANGUL IEUNG  
≈ 0028 ( 110B ㅇ 0029 )
- 3208 (ㅈ) PARENTHESIZED HANGUL CIEUC  
≈ 0028 ( 110C ㅈ 0029 )
- 3209 (ㅊ) PARENTHESIZED HANGUL CHIEUCH  
≈ 0028 ( 110E ㅊ 0029 )
- 320A (ㅋ) PARENTHESIZED HANGUL KHIEUKH  
≈ 0028 ( 110F ㅋ 0029 )
- 320B (ㅌ) PARENTHESIZED HANGUL THIEUTH  
≈ 0028 ( 1110 ㅌ 0029 )
- 320C (ㅍ) PARENTHESIZED HANGUL PHIEUPH  
≈ 0028 ( 1111 ㅍ 0029 )
- 320D (ㅎ) PARENTHESIZED HANGUL HIEUH  
≈ 0028 ( 1112 ㅎ 0029 )

**Parenthesized Hangul syllables**

- 320E (가) PARENTHESIZED HANGUL KIYEOK A  
≈ 0028 ( 1100 ㄱ 1161 ㅏ 0029 )
- 320F (나) PARENTHESIZED HANGUL NIEUN A  
≈ 0028 ( 1102 ㄴ 1161 ㅑ 0029 )
- 3210 (다) PARENTHESIZED HANGUL TIKIUT A  
≈ 0028 ( 1103 ㄷ 1161 ㅓ 0029 )
- 3211 (라) PARENTHESIZED HANGUL RIEUL A  
≈ 0028 ( 1105 ㄹ 1161 ㅕ 0029 )
- 3212 (마) PARENTHESIZED HANGUL MIEUM A  
≈ 0028 ( 1106 ㅁ 1161 ㅗ 0029 )
- 3213 (바) PARENTHESIZED HANGUL PIEUP A  
≈ 0028 ( 1107 ㅂ 1161 ㅛ 0029 )
- 3214 (사) PARENTHESIZED HANGUL SIOS A  
≈ 0028 ( 1109 ㅅ 1161 ㅝ 0029 )
- 3215 (아) PARENTHESIZED HANGUL IEUNG A  
≈ 0028 ( 110B ㅇ 1161 ㅟ 0029 )
- 3216 (자) PARENTHESIZED HANGUL CIEUC A  
≈ 0028 ( 110C ㅈ 1161 ㅛ 0029 )
- 3217 (차) PARENTHESIZED HANGUL CHIEUCH A  
≈ 0028 ( 110E ㅊ 1161 ㅝ 0029 )
- 3218 (카) PARENTHESIZED HANGUL KHIEUKH A  
≈ 0028 ( 110F ㅋ 1161 ㅟ 0029 )
- 3219 (타) PARENTHESIZED HANGUL THIEUTH A  
≈ 0028 ( 1110 ㅌ 1161 ㅟ 0029 )
- 321A (파) PARENTHESIZED HANGUL PHIEUPH A  
≈ 0028 ( 1111 ㅍ 1161 ㅟ 0029 )
- 321B (하) PARENTHESIZED HANGUL HIEUH A  
≈ 0028 ( 1112 ㅎ 1161 ㅟ 0029 )
- 321C (주) PARENTHESIZED HANGUL CIEUC U  
≈ 0028 ( 110C ㅈ 116E ㅛ 0029 )

**Parenthesized Korean words**

- 321D (예) PARENTHESIZED KOREAN CHARACTER OJEON  
≈ 0028 ( 110B ㅇ 1169 ㅛ 110C ㅈ 1165 ㅑ 11AB ㅓ 0029 )
- 321E (호) PARENTHESIZED KOREAN CHARACTER O HU  
≈ 0028 ( 110B ㅇ 1169 ㅛ 1112 ㅎ 116E ㅛ 0029 )

**Parenthesized ideographs**

- 3220 (一) PARENTHESIZED IDEOGRAPH ONE  
≈ 0028 ( 4E00 一 0029 )
- 3221 (二) PARENTHESIZED IDEOGRAPH TWO  
≈ 0028 ( 4E8C 二 0029 )
- 3222 (三) PARENTHESIZED IDEOGRAPH THREE  
≈ 0028 ( 4E09 三 0029 )
- 3223 (四) PARENTHESIZED IDEOGRAPH FOUR  
≈ 0028 ( 56DB 四 0029 )
- 3224 (五) PARENTHESIZED IDEOGRAPH FIVE  
≈ 0028 ( 4E94 五 0029 )
- 3225 (六) PARENTHESIZED IDEOGRAPH SIX  
≈ 0028 ( 516D 六 0029 )
- 3226 (七) PARENTHESIZED IDEOGRAPH SEVEN  
≈ 0028 ( 4E03 七 0029 )
- 3227 (八) PARENTHESIZED IDEOGRAPH EIGHT  
≈ 0028 ( 516B 八 0029 )
- 3228 (九) PARENTHESIZED IDEOGRAPH NINE  
≈ 0028 ( 4E5D 九 0029 )
- 3229 (十) PARENTHESIZED IDEOGRAPH TEN  
≈ 0028 ( 5341 十 0029 )
- 322A (月) PARENTHESIZED IDEOGRAPH MOON  
• Monday  
≈ 0028 ( 6708 月 0029 )
- 322B (火) PARENTHESIZED IDEOGRAPH FIRE  
• Tuesday  
≈ 0028 ( 706B 火 0029 )
- 322C (水) PARENTHESIZED IDEOGRAPH WATER  
• Wednesday  
≈ 0028 ( 6C34 水 0029 )
- 322D (木) PARENTHESIZED IDEOGRAPH WOOD  
• Thursday  
≈ 0028 ( 6728 木 0029 )
- 322E (金) PARENTHESIZED IDEOGRAPH METAL  
• Friday  
≈ 0028 ( 91D1 金 0029 )
- 322F (土) PARENTHESIZED IDEOGRAPH EARTH  
• Saturday  
≈ 0028 ( 571F 土 0029 )
- 3230 (日) PARENTHESIZED IDEOGRAPH SUN  
• Sunday  
≈ 0028 ( 65E5 日 0029 )
- 3231 (株) PARENTHESIZED IDEOGRAPH STOCK  
• incorporated  
≈ 0028 ( 682A 株 0029 )
- 3232 (有) PARENTHESIZED IDEOGRAPH HAVE  
• limited  
≈ 0028 ( 6709 有 0029 )
- 3233 (社) PARENTHESIZED IDEOGRAPH SOCIETY  
• company  
≈ 0028 ( 793E 社 0029 )
- 3234 (名) PARENTHESIZED IDEOGRAPH NAME  
≈ 0028 ( 540D 名 0029 )
- 3235 (特) PARENTHESIZED IDEOGRAPH SPECIAL  
≈ 0028 ( 7279 特 0029 )

- 3236 (財) PARENTHESIZED IDEOGRAPH FINANCIAL  
≈ 0028 ( 8CA1 財 0029 )
- 3237 (祝) PARENTHESIZED IDEOGRAPH CONGRATULATION  
≈ 0028 ( 795D 祝 0029 )
- 3238 (勞) PARENTHESIZED IDEOGRAPH LABOR  
≈ 0028 ( 52B4 勞 0029 )
- 3239 (代) PARENTHESIZED IDEOGRAPH REPRESENT  
≈ 0028 ( 4EE3 代 0029 )
- 323A (呼) PARENTHESIZED IDEOGRAPH CALL  
≈ 0028 ( 547C 呼 0029 )
- 323B (学) PARENTHESIZED IDEOGRAPH STUDY  
≈ 0028 ( 5B66 学 0029 )
- 323C (監) PARENTHESIZED IDEOGRAPH SUPERVISE  
≈ 0028 ( 76E3 監 0029 )
- 323D (企) PARENTHESIZED IDEOGRAPH ENTERPRISE  
≈ 0028 ( 4F01 企 0029 )
- 323E (資) PARENTHESIZED IDEOGRAPH RESOURCE  
≈ 0028 ( 8CC7 資 0029 )
- 323F (協) PARENTHESIZED IDEOGRAPH ALLIANCE  
≈ 0028 ( 5354 協 0029 )
- 3240 (祭) PARENTHESIZED IDEOGRAPH FESTIVAL  
≈ 0028 ( 796D 祭 0029 )
- 3241 (休) PARENTHESIZED IDEOGRAPH REST  
≈ 0028 ( 4F11 休 0029 )
- 3242 (自) PARENTHESIZED IDEOGRAPH SELF  
• from  
≈ 0028 ( 81EA 自 0029 )
- 3243 (至) PARENTHESIZED IDEOGRAPH REACH  
• to  
≈ 0028 ( 81F3 至 0029 )

**Circled ideographs from ARIB STD B24**

- 3244 (問) CIRCLED IDEOGRAPH QUESTION  
≈ <circle> 554F 問
- 3245 (幼) CIRCLED IDEOGRAPH KINDERGARTEN  
≈ <circle> 5E7C 幼
- 3246 (文) CIRCLED IDEOGRAPH SCHOOL  
≈ <circle> 6587 文
- 3247 (箏) CIRCLED IDEOGRAPH KOTO  
≈ <circle> 7B8F 箏

**Circled numbers on black squares from ARIB STD B24**

- 3248 (10) CIRCLED NUMBER TEN ON BLACK SQUARE  
= speed limit 10 km/h
- 3249 (20) CIRCLED NUMBER TWENTY ON BLACK SQUARE  
= speed limit 20 km/h
- 324A (30) CIRCLED NUMBER THIRTY ON BLACK SQUARE  
= speed limit 30 km/h
- 324B (40) CIRCLED NUMBER FORTY ON BLACK SQUARE  
= speed limit 40 km/h
- 324C (50) CIRCLED NUMBER FIFTY ON BLACK SQUARE  
= speed limit 50 km/h
- 324D (60) CIRCLED NUMBER SIXTY ON BLACK SQUARE  
= speed limit 60 km/h
- 324E (70) CIRCLED NUMBER SEVENTY ON BLACK SQUARE  
= speed limit 70 km/h
- 324F (80) CIRCLED NUMBER EIGHTY ON BLACK SQUARE  
= speed limit 80 km/h

**Squared Latin abbreviation**

- 3250 PTE PARTNERSHIP SIGN  
≈ <square> 0050 P 0054 T 0045 E

**Circled numbers**

- 3251 (㉑) CIRCLED NUMBER TWENTY ONE  
≈ <circle> 0032 2 0031 1
- 3252 (㉒) CIRCLED NUMBER TWENTY TWO  
≈ <circle> 0032 2 0032 2
- 3253 (㉓) CIRCLED NUMBER TWENTY THREE  
≈ <circle> 0032 2 0033 3
- 3254 (㉔) CIRCLED NUMBER TWENTY FOUR  
≈ <circle> 0032 2 0034 4
- 3255 (㉕) CIRCLED NUMBER TWENTY FIVE  
≈ <circle> 0032 2 0035 5
- 3256 (㉖) CIRCLED NUMBER TWENTY SIX  
≈ <circle> 0032 2 0036 6
- 3257 (㉗) CIRCLED NUMBER TWENTY SEVEN  
≈ <circle> 0032 2 0037 7
- 3258 (㉘) CIRCLED NUMBER TWENTY EIGHT  
≈ <circle> 0032 2 0038 8
- 3259 (㉙) CIRCLED NUMBER TWENTY NINE  
≈ <circle> 0032 2 0039 9
- 325A (㉚) CIRCLED NUMBER THIRTY  
≈ <circle> 0033 3 0030 0
- 325B (㉛) CIRCLED NUMBER THIRTY ONE  
≈ <circle> 0033 3 0031 1
- 325C (㉜) CIRCLED NUMBER THIRTY TWO  
≈ <circle> 0033 3 0032 2
- 325D (㉝) CIRCLED NUMBER THIRTY THREE  
≈ <circle> 0033 3 0033 3
- 325E (㉞) CIRCLED NUMBER THIRTY FOUR  
≈ <circle> 0033 3 0034 4
- 325F (㉟) CIRCLED NUMBER THIRTY FIVE  
≈ <circle> 0033 3 0035 5

**Circled Hangul letters**

- 3260 (㉟) CIRCLED HANGUL KIYEOK  
≈ <circle> 1100 ㉟
- 3261 (㊱) CIRCLED HANGUL NIEUN  
≈ <circle> 1102 ㊱
- 3262 (㊲) CIRCLED HANGUL TIKEUT  
≈ <circle> 1103 ㊲
- 3263 (㊳) CIRCLED HANGUL RIEUL  
≈ <circle> 1105 ㊳
- 3264 (㊴) CIRCLED HANGUL MIEUM  
≈ <circle> 1106 ㊴
- 3265 (㊵) CIRCLED HANGUL PIEUP  
≈ <circle> 1107 ㊵
- 3266 (㊶) CIRCLED HANGUL SIOS  
≈ <circle> 1109 ㊶
- 3267 (㊷) CIRCLED HANGUL IEUNG  
≈ <circle> 110B ㊷
- 3268 (㊸) CIRCLED HANGUL CIEUC  
≈ <circle> 110C ㊸
- 3269 (㊹) CIRCLED HANGUL CHIEUCH  
≈ <circle> 110E ㊹
- 326A (㊺) CIRCLED HANGUL KHIEUKH  
≈ <circle> 110F ㊺
- 326B (㊻) CIRCLED HANGUL THIEUTH  
≈ <circle> 1110 ㊻
- 326C (㊼) CIRCLED HANGUL PHIEUPH  
≈ <circle> 1111 ㊼
- 326D (㊽) CIRCLED HANGUL HIEUH  
≈ <circle> 1112 ㊽

**Circled Hangul syllables**

- 326E 가 CIRCLED HANGUL KIYEOK A  
≈ <circle> 1100 ㄱ 1161 ㅏ
- 326F 나 CIRCLED HANGUL NIEUN A  
≈ <circle> 1102 ㄴ 1161 ㅑ
- 3270 다 CIRCLED HANGUL TIKEUT A  
≈ <circle> 1103 ㄷ 1161 ㅓ
- 3271 라 CIRCLED HANGUL RIEUL A  
≈ <circle> 1105 ㄹ 1161 ㅕ
- 3272 마 CIRCLED HANGUL MIEUM A  
≈ <circle> 1106 ㅁ 1161 ㅗ
- 3273 바 CIRCLED HANGUL PIEUP A  
≈ <circle> 1107 ㅂ 1161 ㅛ
- 3274 사 CIRCLED HANGUL SIOS A  
≈ <circle> 1109 ㅅ 1161 ㅝ
- 3275 아 CIRCLED HANGUL IEUNG A  
≈ <circle> 110B ㅇ 1161 ㅜ
- 3276 자 CIRCLED HANGUL CIEUC A  
≈ <circle> 110C ㅈ 1161 ㅟ
- 3277 차 CIRCLED HANGUL CHIEUCH A  
≈ <circle> 110E ㅊ 1161 ㅠ
- 3278 카 CIRCLED HANGUL KHIEUKH A  
≈ <circle> 110F ㅋ 1161 ㅡ
- 3279 타 CIRCLED HANGUL THIEUTH A  
≈ <circle> 1110 ㅌ 1161 ㅢ
- 327A 파 CIRCLED HANGUL PHIEUPH A  
≈ <circle> 1111 ㅍ 1161 ㅣ
- 327B 하 CIRCLED HANGUL HIEUH A  
≈ <circle> 1112 ㅎ 1161 ㅤ

**Circled Korean words**

- 327C 함고 CIRCLED KOREAN CHARACTER CHAMKO  
≈ <circle> 110E ㅈ 1161 ㅏ 11B7 ㅁ 1100 ㄱ  
1169 ㅑ
- 327D 주외 CIRCLED KOREAN CHARACTER JUEUI  
≈ <circle> 110C ㅈ 116E ㅑ 110B ㅇ 1174 ㅏ

**Circled Hangul syllable**

- 327E 우 CIRCLED HANGUL IEUNG U  
• postal code mark  
≈ <circle> 110B ㅇ 116E ㅑ

**Symbol**

- 327F ㉞ KOREAN STANDARD SYMBOL

**Circled ideographs**

- 3280 一 CIRCLED IDEOGRAPH ONE  
= maru-iti, symbol of unification  
≈ <circle> 4E00 一
- 3281 二 CIRCLED IDEOGRAPH TWO  
≈ <circle> 4E8C 二
- 3282 三 CIRCLED IDEOGRAPH THREE  
≈ <circle> 4E09 三
- 3283 四 CIRCLED IDEOGRAPH FOUR  
≈ <circle> 56DB 四
- 3284 五 CIRCLED IDEOGRAPH FIVE  
≈ <circle> 4E94 五
- 3285 六 CIRCLED IDEOGRAPH SIX  
≈ <circle> 516D 六
- 3286 七 CIRCLED IDEOGRAPH SEVEN  
≈ <circle> 4E03 七
- 3287 八 CIRCLED IDEOGRAPH EIGHT  
≈ <circle> 516B 八

- 3288 九 CIRCLED IDEOGRAPH NINE  
≈ <circle> 4E5D 九
- 3289 十 CIRCLED IDEOGRAPH TEN  
≈ <circle> 5341 十
- 328A 月 CIRCLED IDEOGRAPH MOON  
• Monday  
≈ <circle> 6708 月
- 328B 火 CIRCLED IDEOGRAPH FIRE  
• Tuesday  
≈ <circle> 706B 火
- 328C 水 CIRCLED IDEOGRAPH WATER  
• Wednesday  
≈ <circle> 6C34 水
- 328D 木 CIRCLED IDEOGRAPH WOOD  
• Thursday  
≈ <circle> 6728 木
- 328E 金 CIRCLED IDEOGRAPH METAL  
• Friday  
≈ <circle> 91D1 金
- 328F 土 CIRCLED IDEOGRAPH EARTH  
• Saturday  
≈ <circle> 571F 土
- 3290 日 CIRCLED IDEOGRAPH SUN  
• Sunday  
≈ <circle> 65E5 日
- 3291 株 CIRCLED IDEOGRAPH STOCK  
• incorporated  
≈ <circle> 682A 株
- 3292 有 CIRCLED IDEOGRAPH HAVE  
• limited  
≈ <circle> 6709 有
- 3293 社 CIRCLED IDEOGRAPH SOCIETY  
• company  
≈ <circle> 793E 社
- 3294 名 CIRCLED IDEOGRAPH NAME  
≈ <circle> 540D 名
- 3295 特 CIRCLED IDEOGRAPH SPECIAL  
≈ <circle> 7279 特
- 3296 財 CIRCLED IDEOGRAPH FINANCIAL  
≈ <circle> 8CA1 財
- 3297 祝 CIRCLED IDEOGRAPH CONGRATULATION  
≈ <circle> 795D 祝
- 3298 勞 CIRCLED IDEOGRAPH LABOR  
≈ <circle> 52B4 勞
- 3299 秘 CIRCLED IDEOGRAPH SECRET  
≈ <circle> 79D8 秘
- 329A 男 CIRCLED IDEOGRAPH MALE  
≈ <circle> 7537 男
- 329B 女 CIRCLED IDEOGRAPH FEMALE  
≈ <circle> 5973 女
- 329C 適 CIRCLED IDEOGRAPH SUITABLE  
≈ <circle> 9069 適
- 329D 優 CIRCLED IDEOGRAPH EXCELLENT  
≈ <circle> 512A 優
- 329E 印 CIRCLED IDEOGRAPH PRINT  
• name seal  
≈ <circle> 5370 印
- 329F 注 CIRCLED IDEOGRAPH ATTENTION  
≈ <circle> 6CE8 注
- 32A0 項 CIRCLED IDEOGRAPH ITEM  
≈ <circle> 9805 項

- 32A1 休 CIRCLED IDEOGRAPH REST  
• holiday  
≈ <circle> 4F11 休
- 32A2 写 CIRCLED IDEOGRAPH COPY  
≈ <circle> 5199 写
- 32A3 正 CIRCLED IDEOGRAPH CORRECT  
≈ <circle> 6B63 正
- 32A4 上 CIRCLED IDEOGRAPH HIGH  
≈ <circle> 4E0A 上
- 32A5 中 CIRCLED IDEOGRAPH CENTRE  
≈ <circle> 4E2D 中
- 32A6 下 CIRCLED IDEOGRAPH LOW  
≈ <circle> 4E0B 下
- 32A7 左 CIRCLED IDEOGRAPH LEFT  
≈ <circle> 5DE6 左
- 32A8 右 CIRCLED IDEOGRAPH RIGHT  
≈ <circle> 53F3 右
- 32A9 医 CIRCLED IDEOGRAPH MEDICINE  
≈ <circle> 533B 医
- 32AA 宗 CIRCLED IDEOGRAPH RELIGION  
≈ <circle> 5B97 宗
- 32AB 学 CIRCLED IDEOGRAPH STUDY  
≈ <circle> 5B66 学
- 32AC 监 CIRCLED IDEOGRAPH SUPERVISE  
≈ <circle> 76E3 监
- 32AD 企 CIRCLED IDEOGRAPH ENTERPRISE  
≈ <circle> 4F01 企
- 32AE 资 CIRCLED IDEOGRAPH RESOURCE  
≈ <circle> 8CC7 资
- 32AF 协 CIRCLED IDEOGRAPH ALLIANCE  
≈ <circle> 5354 协
- 32B0 夜 CIRCLED IDEOGRAPH NIGHT  
≈ <circle> 591C 夜

**Circled numbers**

- 32B1 36 CIRCLED NUMBER THIRTY SIX  
≈ <circle> 0033 3 0036 6
- 32B2 37 CIRCLED NUMBER THIRTY SEVEN  
≈ <circle> 0033 3 0037 7
- 32B3 38 CIRCLED NUMBER THIRTY EIGHT  
≈ <circle> 0033 3 0038 8
- 32B4 39 CIRCLED NUMBER THIRTY NINE  
≈ <circle> 0033 3 0039 9
- 32B5 40 CIRCLED NUMBER FORTY  
≈ <circle> 0034 4 0030 0
- 32B6 41 CIRCLED NUMBER FORTY ONE  
≈ <circle> 0034 4 0031 1
- 32B7 42 CIRCLED NUMBER FORTY TWO  
≈ <circle> 0034 4 0032 2
- 32B8 43 CIRCLED NUMBER FORTY THREE  
≈ <circle> 0034 4 0033 3
- 32B9 44 CIRCLED NUMBER FORTY FOUR  
≈ <circle> 0034 4 0034 4
- 32BA 45 CIRCLED NUMBER FORTY FIVE  
≈ <circle> 0034 4 0035 5
- 32BB 46 CIRCLED NUMBER FORTY SIX  
≈ <circle> 0034 4 0036 6
- 32BC 47 CIRCLED NUMBER FORTY SEVEN  
≈ <circle> 0034 4 0037 7
- 32BD 48 CIRCLED NUMBER FORTY EIGHT  
≈ <circle> 0034 4 0038 8

- 32BE 49 CIRCLED NUMBER FORTY NINE  
≈ <circle> 0034 4 0039 9
- 32BF 50 CIRCLED NUMBER FIFTY  
≈ <circle> 0035 5 0030 0

**Telegraph symbols for months**

- 32C0 1月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR JANUARY  
≈ 0031 1 6708 月
- 32C1 2月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR FEBRUARY  
≈ 0032 2 6708 月
- 32C2 3月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR MARCH  
≈ 0033 3 6708 月
- 32C3 4月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR APRIL  
≈ 0034 4 6708 月
- 32C4 5月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR MAY  
≈ 0035 5 6708 月
- 32C5 6月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR JUNE  
≈ 0036 6 6708 月
- 32C6 7月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR JULY  
≈ 0037 7 6708 月
- 32C7 8月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR AUGUST  
≈ 0038 8 6708 月
- 32C8 9月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR SEPTEMBER  
≈ 0039 9 6708 月
- 32C9 10月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR OCTOBER  
≈ 0031 1 0030 0 6708 月
- 32CA 11月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR NOVEMBER  
≈ 0031 1 0031 1 6708 月
- 32CB 12月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR DECEMBER  
≈ 0031 1 0032 2 6708 月

**Squared Latin abbreviations**

- 32CC Hg SQUARE HG  
≈ <square> 0048 H 0067 g
- 32CD erg SQUARE ERG  
≈ <square> 0065 e 0072 r 0067 g
- 32CE eV SQUARE EV  
≈ <square> 0065 e 0056 V
- 32CF LTD LIMITED LIABILITY SIGN  
≈ <square> 004C L 0054 T 0044 D

**Circled Katakana**

- 32D0 ア CIRCLED KATAKANA A  
≈ <circle> 30A2 ア
- 32D1 イ CIRCLED KATAKANA I  
≈ <circle> 30A4 イ
- 32D2 ウ CIRCLED KATAKANA U  
≈ <circle> 30A6 ウ
- 32D3 エ CIRCLED KATAKANA E  
≈ <circle> 30A8 エ
- 32D4 オ CIRCLED KATAKANA O  
≈ <circle> 30AA オ
- 32D5 カ CIRCLED KATAKANA KA  
≈ <circle> 30AB カ
- 32D6 キ CIRCLED KATAKANA KI  
≈ <circle> 30AD キ

32D7	㊦	CIRCLED KATAKANA KU ≈ <circle> 30AF ク	32F6	㊦	CIRCLED KATAKANA RA ≈ <circle> 30E9 ラ
32D8	㊧	CIRCLED KATAKANA KE ≈ <circle> 30B1 ケ	32F7	㊧	CIRCLED KATAKANA RI ≈ <circle> 30EA リ
32D9	㊨	CIRCLED KATAKANA KO ≈ <circle> 30B3 コ	32F8	㊨	CIRCLED KATAKANA RU ≈ <circle> 30EB ル
32DA	㊩	CIRCLED KATAKANA SA ≈ <circle> 30B5 サ	32F9	㊩	CIRCLED KATAKANA RE ≈ <circle> 30EC レ
32DB	㊪	CIRCLED KATAKANA SI ≈ <circle> 30B7 シ	32FA	㊪	CIRCLED KATAKANA RO ≈ <circle> 30ED ロ
32DC	㊫	CIRCLED KATAKANA SU ≈ <circle> 30B9 ス	32FB	㊫	CIRCLED KATAKANA WA ≈ <circle> 30EF ワ
32DD	㊬	CIRCLED KATAKANA SE ≈ <circle> 30BB セ	32FC	㊬	CIRCLED KATAKANA WI ≈ <circle> 30F0 ㊦
32DE	㊭	CIRCLED KATAKANA SO ≈ <circle> 30BD ソ	32FD	㊭	CIRCLED KATAKANA WE ≈ <circle> 30F1 エ
32DF	㊮	CIRCLED KATAKANA TA ≈ <circle> 30BF タ	32FE	㊮	CIRCLED KATAKANA WO ≈ <circle> 30F2 ワ
32E0	㊯	CIRCLED KATAKANA TI ≈ <circle> 30C1 チ			
32E1	㊰	CIRCLED KATAKANA TU ≈ <circle> 30C4 ツ			
32E2	㊱	CIRCLED KATAKANA TE ≈ <circle> 30C6 テ			
32E3	㊲	CIRCLED KATAKANA TO ≈ <circle> 30C8 ト			
32E4	㊳	CIRCLED KATAKANA NA ≈ <circle> 30CA ナ			
32E5	㊴	CIRCLED KATAKANA NI ≈ <circle> 30CB ニ			
32E6	㊵	CIRCLED KATAKANA NU ≈ <circle> 30CC ヌ			
32E7	㊶	CIRCLED KATAKANA NE ≈ <circle> 30CD ネ			
32E8	㊷	CIRCLED KATAKANA NO ≈ <circle> 30CE ノ			
32E9	㊸	CIRCLED KATAKANA HA ≈ <circle> 30CF ハ			
32EA	㊹	CIRCLED KATAKANA HI ≈ <circle> 30D2 ヒ			
32EB	㊺	CIRCLED KATAKANA HU ≈ <circle> 30D5 フ			
32EC	㊻	CIRCLED KATAKANA HE ≈ <circle> 30D8 ヘ			
32ED	㊼	CIRCLED KATAKANA HO ≈ <circle> 30DB ホ			
32EE	㊽	CIRCLED KATAKANA MA ≈ <circle> 30DE マ			
32EF	㊾	CIRCLED KATAKANA MI ≈ <circle> 30DF ミ			
32F0	㊿	CIRCLED KATAKANA MU ≈ <circle> 30E0 ム			
32F1	㊿	CIRCLED KATAKANA ME ≈ <circle> 30E1 メ			
32F2	㊿	CIRCLED KATAKANA MO ≈ <circle> 30E2 モ			
32F3	㊿	CIRCLED KATAKANA YA ≈ <circle> 30E4 ヤ			
32F4	㊿	CIRCLED KATAKANA YU ≈ <circle> 30E6 ユ			
32F5	㊿	CIRCLED KATAKANA YO ≈ <circle> 30E8 ヨ			

	330	331	332	333	334	335	336	337	338	339	33A	33B	33C	33D	33E	33F
0	アパート 3300	ギガ 3310	サンチーム 3320	ピコ 3330	ポンド 3340	ユアン 3350	8点 3360	24点 3370	pA 3380	Hz 3390	cm <sup>2</sup> 33A0	ps 33B0	kΩ 33C0	lm 33D0	1日 33E0	17日 33F0
1	アルファ 3301	ギニー 3311	シリリング 3321	ビル 3331	ホール 3341	リットル 3351	9点 3361	hPa 3371	nA 3381	kHz 3391	m <sup>2</sup> 33A1	ns 33B1	MΩ 33C1	ln 33D1	2日 33E1	18日 33F1
2	アンペア 3302	キユリー 3312	センチ 3322	ファラッド 3332	ホン 3342	リラ 3352	10点 3362	da 3372	μA 3382	MHz 3392	km <sup>2</sup> 33A2	μs 33B2	a.m. 33C2	log 33D2	3日 33E2	19日 33F2
3	アール 3303	ギルダー 3313	セント 3323	フィート 3333	マイクロ 3343	ルピー 3353	11点 3363	AU 3373	mA 3383	GHz 3393	mm <sup>3</sup> 33A3	ms 33B3	Bq 33C3	lx 33D3	4日 33E3	20日 33F3
4	インギング 3304	キロ 3314	ダース 3324	ブッシュェル 3334	マイル 3344	ルーブル 3354	12点 3364	bar 3374	kA 3384	THz 3394	cm <sup>3</sup> 33A4	pV 33B4	cc 33C4	mb 33D4	5日 33E4	21日 33F4
5	インチ 3305	キログラム 3315	デシ 3325	フラン 3335	マツハ 3345	レム 3355	13点 3365	oV 3375	KB 3385	μl 3395	m <sup>3</sup> 33A5	nV 33B5	cd 33C5	mil 33D5	6日 33E5	22日 33F5
6	ウオン 3306	キロメートル 3316	ドル 3326	ヘクタール 3336	マルク 3346	レントゲン 3356	14点 3366	pc 3376	MB 3386	mℓ 3396	km <sup>3</sup> 33A6	μV 33B6	C/kg 33C6	mol 33D6	7日 33E6	23日 33F6
7	エスクード 3307	キロワット 3317	トン 3327	ペソ 3337	マンシオン 3347	ワット 3357	15点 3367	dm 3377	GB 3387	dℓ 3397	m/s 33A7	mV 33B7	Co. 33C7	pH 33D7	8日 33E7	24日 33F7
8	エーカー 3308	グラム 3318	ナノ 3328	ペニヒ 3338	ミクロン 3348	0点 3358	16点 3368	dm <sup>2</sup> 3378	cal 3388	kl 3398	m/s <sup>2</sup> 33A8	kV 33B8	dB 33C8	p.m. 33D8	9日 33E8	25日 33F8
9	オンス 3309	グラムトン 3319	ノット 3329	ヘルツ 3339	ミリ 3349	1点 3359	17点 3369	dm <sup>3</sup> 3379	kcal 3389	fm 3399	Pa 33A9	MV 33B9	Gy 33C9	PPM 33D9	10日 33E9	26日 33F9
A	オーム 330A	クルゼイロ 331A	ハイツ 332A	ペンス 333A	ミリバル 334A	2点 335A	18点 336A	IU 337A	pF 338A	nm 339A	kPa 33AA	pW 33BA	ha 33CA	PR 33DA	11日 33EA	27日 33FA
B	カイリ 330B	クロネ 331B	パーセント 332B	ページ 333B	メガ 334B	3点 335B	19点 336B	平成 337B	nF 338B	μm 339B	MPa 33AB	nW 33BB	HP 33CB	sr 33DB	12日 33EB	28日 33FB
C	カラット 330C	ケース 331C	パーツ 332C	ベータ 333C	メガトン 334C	4点 335C	20点 336C	昭和 337C	μF 338C	mm 339C	GPa 33AC	μW 33BC	in 33CC	Sv 33DC	13日 33EC	29日 33FC
D	カロリー 330D	コルナ 331D	バーレル 332D	ポイント 333D	メートル 334D	5点 335D	21点 336D	大正 337D	μg 338D	cm 339D	rad 33AD	mW 33BD	K.K. 33CD	Wb 33DD	14日 33ED	30日 33FD
E	ガロン 330E	コーポ 331E	ピアストル 332E	ボルト 333E	ヤード 334E	6点 335E	22点 336E	明治 337E	mg 338E	km 339E	rad/s 33AE	kW 33BE	KM 33CE	Y/m 33DE	15日 33EE	31日 33FE
F	ガンマ 330F	サイクル 331F	ピクル 332F	ホン 333F	ヤール 334F	7点 335F	23点 336F	株式会社 337F	kg 338F	mm <sup>2</sup> 339F	rad/s <sup>2</sup> 33AF	MW 33BF	kt 33CF	A/m 33DF	16日 33EF	gal 33FF



**Squared Katakana words**

- 3300 アパト SQUARE APAATO  
• apartment  
≈ <square> 30A2 ア 30D1 パ 30FC ー  
30C8 ト
- 3301 アルテ SQUARE ARUHUA  
• alpha  
≈ <square> 30A2 ア 30EB ル 30D5 フ  
30A1 ア
- 3302 アンペ SQUARE ANPEA  
• ampere  
≈ <square> 30A2 ア 30F3 ン 30DA ペ  
30A2 ア
- 3303 アル SQUARE AARU  
• are (unit of area)  
≈ <square> 30A2 ア 30FC ー 30EB ル
- 3304 インテ SQUARE ININGU  
• inning  
≈ <square> 30A4 イ 30CB ニ 30F3 ン  
30B0 グ
- 3305 インチ SQUARE INTI  
• inch  
≈ <square> 30A4 イ 30F3 ン 30C1 チ
- 3306 ウォン SQUARE UON  
• won (Korean currency)  
≈ <square> 30A6 ウ 30A9 オ 30F3 ン
- 3307 エスクード SQUARE ESUKUUDO  
• escudo (Portuguese currency)  
≈ <square> 30A8 エ 30B9 ス 30AF ク  
30FC ー 30C9 ト
- 3308 エーカー SQUARE EEKAA  
• acre  
≈ <square> 30A8 エ 30FC ー 30AB カ  
30FC ー
- 3309 オンス SQUARE ONSU  
• ounce  
≈ <square> 30AA オ 30F3 ン 30B9 ス
- 330A オーム SQUARE OOMU  
• ohm  
≈ <square> 30AA オ 30FC ー 30E0 ム
- 330B カイ SQUARE KAIRI  
• kai-ri: nautical mile  
≈ <square> 30AB カ 30A4 イ 30EA リ
- 330C カラット SQUARE KARATTO  
• carat  
≈ <square> 30AB カ 30E9 ラ 30C3 ツ  
30C8 ト
- 330D カロリー SQUARE KARORII  
• calorie  
≈ <square> 30AB カ 30ED ロ 30EA リ  
30FC ー
- 330E ガロン SQUARE GARON  
• gallon  
≈ <square> 30AC ガ 30ED ロ 30F3 ン
- 330F ガンマ SQUARE GANMA  
• gamma  
≈ <square> 30AC ガ 30F3 ン 30DE マ
- 3310 ギガ SQUARE GIGA  
• giga-  
≈ <square> 30AE ギ 30AC ガ
- 3311 ギニー SQUARE GINII  
• guinea  
≈ <square> 30AE ギ 30CB ニ 30FC ー
- 3312 キュリウム SQUARE KYURII  
• curie  
≈ <square> 30AD キ 30E5 ユ 30EA リ  
30FC ー
- 3313 ギルダ SQUARE GIRUDAA  
• guilder  
≈ <square> 30AE ギ 30EB ル 30C0 ダ  
30FC ー
- 3314 キロ SQUARE KIRO  
• kilo-  
≈ <square> 30AD キ 30ED ロ
- 3315 キログラム SQUARE KIROGURAMU  
• kilogram  
≈ <square> 30AD キ 30ED ロ 30B0 グ  
30E9 ラ 30E0 ム
- 3316 キロメートル SQUARE KIROMEETORU  
• kilometer  
≈ <square> 30AD キ 30ED ロ 30E1 メ  
30FC ー 30C8 ト 30EB ル
- 3317 キロワット SQUARE KIROWATTO  
• kilowatt  
≈ <square> 30AD キ 30ED ロ 30EF ワ  
30C3 ツ 30C8 ト
- 3318 グラム SQUARE GURAMU  
• gram  
≈ <square> 30B0 グ 30E9 ラ 30E0 ム
- 3319 グラムトン SQUARE GURAMUTON  
• gram ton  
≈ <square> 30B0 グ 30E9 ラ 30E0 ム  
30C8 ト 30F3 ン
- 331A クルゼイロ SQUARE KURUZEIRO  
• cruzeiro (Brazilian currency)  
≈ <square> 30AF ク 30EB ル 30BC ゼ  
30A4 イ 30ED ロ
- 331B クロネ SQUARE KUROONE  
• krone  
≈ <square> 30AF ク 30ED ロ 30FC ー  
30CD ネ
- 331C ケース SQUARE KEESU  
• case  
≈ <square> 30B1 ケ 30FC ー 30B9 ス
- 331D コルナ SQUARE KORUNA  
• koruna (Czech currency)  
≈ <square> 30B3 コ 30EB ル 30CA ナ
- 331E コーポ SQUARE KOOPO  
• co-op  
≈ <square> 30B3 コ 30FC ー 30DD ポ
- 331F サイクル SQUARE SAIKURU  
• cycle  
≈ <square> 30B5 サ 30A4 イ 30AF ク  
30EB ル
- 3320 サンチム SQUARE SANTIIMU  
• centime  
≈ <square> 30B5 サ 30F3 ン 30C1 チ  
30FC ー 30E0 ム
- 3321 シリング SQUARE SIRINGU  
• shilling  
≈ <square> 30B7 シ 30EA リ 30F3 ン  
30B0 グ
- 3322 センチ SQUARE SENTI  
• centi-  
≈ <square> 30BB セ 30F3 ン 30C1 チ

3323	セン ト	<b>SQUARE SENTO</b> • cent ≈<square> 30BB セ 30F3 ン 30C8 ト	3336	ヘク ター	<b>SQUARE HEKUTAARU</b> • hectare ≈<square> 30D8 ヘ 30AF ク 30BF タ 30FC ー 30EB ル
3324	ダ ス	<b>SQUARE DAASU</b> • dozen ≈<square> 30C0 ダ 30FC ー 30B9 ス	3337	ペ ソ	<b>SQUARE PESO</b> • peso ≈<square> 30DA ペ 30BD ソ
3325	デ シ	<b>SQUARE DESI</b> • deci- ≈<square> 30C7 デ 30B7 シ	3338	ペニ ヒ	<b>SQUARE PENIHI</b> • pfennig ≈<square> 30DA ペ 30CB ニ 30D2 ヒ
3326	ドル	<b>SQUARE DORU</b> • dollar ≈<square> 30C9 ド 30EB ル	3339	ヘル ツ	<b>SQUARE HERUTU</b> • hertz ≈<square> 30D8 ヘ 30EB ル 30C4 ツ
3327	トン	<b>SQUARE TON</b> • ton ≈<square> 30C8 ト 30F3 ン	333A	ペン ス	<b>SQUARE PENSU</b> • pence ≈<square> 30DA ペ 30F3 ン 30B9 ス
3328	ナ ノ	<b>SQUARE NANO</b> • nano- ≈<square> 30CA ナ 30CE ノ	333B	ペ ジ	<b>SQUARE PEEZI</b> • page ≈<square> 30DA ペ 30FC ー 30B8 ジ
3329	ノ ット	<b>SQUARE NOTTO</b> • knot, nautical mile ≈<square> 30CE ノ 30C3 ツ 30C8 ト	333C	ベ ータ	<b>SQUARE BEETA</b> • beta ≈<square> 30D9 ベ 30FC ー 30BF タ
332A	ハイ ツ	<b>SQUARE HAITU</b> • heights ≈<square> 30CF ハ 30A4 イ 30C4 ツ	333D	ポ イント	<b>SQUARE POINTO</b> • point ≈<square> 30DD ポ 30A4 イ 30F3 ン 30C8 ト
332B	パー セント	<b>SQUARE PAASENTO</b> • percent ≈<square> 30D1 パ 30FC ー 30BB セ 30F3 ン 30C8 ト	333E	ボル ト	<b>SQUARE BORUTO</b> • volt, bolt ≈<square> 30DC ボ 30EB ル 30C8 ト
332C	パー ツ	<b>SQUARE PAATU</b> • parts ≈<square> 30D1 パ 30FC ー 30C4 ツ	333F	ホン	<b>SQUARE HON</b> • hon: volume ≈<square> 30DB ホ 30F3 ン
332D	バ レル	<b>SQUARE BAARERU</b> • barrel ≈<square> 30D0 バ 30FC ー 30EC レ 30EB ル	3340	ポ ンド	<b>SQUARE PONDO</b> • pound ≈<square> 30DD ポ 30F3 ン 30C9 ド
332E	ピア ストル	<b>SQUARE PIASUTORU</b> • piaster ≈<square> 30D4 ピ 30A2 ア 30B9 ス 30C8 ト 30EB ル	3341	ホ ール	<b>SQUARE HOORU</b> • hall ≈<square> 30DB ホ 30FC ー 30EB ル
332F	ピ クル	<b>SQUARE PIKURU</b> • picul (unit of weight) ≈<square> 30D4 ピ 30AF ク 30EB ル	3342	ホ ーン	<b>SQUARE HOON</b> • horn ≈<square> 30DB ホ 30FC ー 30F3 ン
3330	ピ コ	<b>SQUARE PIKO</b> • pico- ≈<square> 30D4 ピ 30B3 コ	3343	マイ クロ	<b>SQUARE MAIKURO</b> • micro- ≈<square> 30DE マ 30A4 イ 30AF ク 30ED ロ
3331	ビ ル	<b>SQUARE BIRU</b> • building ≈<square> 30D3 ビ 30EB ル	3344	マイ ル	<b>SQUARE MAIRU</b> • mile ≈<square> 30DE マ 30A4 イ 30EB ル
3332	ファ ラッド	<b>SQUARE HUARADDO</b> • farad ≈<square> 30D5 フ 30A1 ア 30E9 ラ 30C3 ツ 30C9 ト	3345	マ ツ	<b>SQUARE MAHHA</b> • mach ≈<square> 30DE マ 30C3 ツ 30CF ハ
3333	フ ット	<b>SQUARE HUIITO</b> • feet ≈<square> 30D5 フ 30A3 イ 30FC ー 30C8 ト	3346	マル ク	<b>SQUARE MARUKU</b> • mark ≈<square> 30DE マ 30EB ル 30AF ク
3334	ブ ッシュ	<b>SQUARE BUSSYERU</b> • bushel ≈<square> 30D6 ブ 30C3 ツ 30B7 シ 30A7 エ 30EB ル	3347	マン ション	<b>SQUARE MANSYON</b> • mansion (i.e. better quality apartment) ≈<square> 30DE マ 30F3 ン 30B7 シ 30E7 ヨ 30F3 ン
3335	フ ラン	<b>SQUARE HURAN</b> • franc ≈<square> 30D5 フ 30E9 ラ 30F3 ン	3348	ミ クロン	<b>SQUARE MIKURON</b> • micron ≈<square> 30DF ミ 30AF ク 30ED ロ 30F3 ン

3349	ミリ	SQUARE MIRI • milli- ≈ <square> 30DF ミ 30EA リ	335B	3点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR THREE ≈ 0033 3 70B9 点
334A	ミリバル	SQUARE MIRIBAARU • millibar ≈ <square> 30DF ミ 30EA リ 30D0 バ 30FC ー 30EB ル	335C	4点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR FOUR ≈ 0034 4 70B9 点
334B	メガ	SQUARE MEGA • mega- ≈ <square> 30E1 メ 30AC ガ	335D	5点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR FIVE ≈ 0035 5 70B9 点
334C	メガトン	SQUARE MEGATON • megaton ≈ <square> 30E1 メ 30AC ガ 30C8 ト 30F3 ン	335E	6点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR SIX ≈ 0036 6 70B9 点
334D	メートル	SQUARE MEETORU • meter ≈ <square> 30E1 メ 30FC ー 30C8 ト 30EB ル	335F	7点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR SEVEN ≈ 0037 7 70B9 点
334E	ヤード	SQUARE YAADO • yard ≈ <square> 30E4 ヤ 30FC ー 30C9 ト	3360	8点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR EIGHT ≈ 0038 8 70B9 点
334F	ヤード	SQUARE YAARU • yard ≈ <square> 30E4 ヤ 30FC ー 30EB ル	3361	9点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR NINE ≈ 0039 9 70B9 点
3350	Yuan	SQUARE YUAN • yuan (Chinese currency) ≈ <square> 30E6 ユ 30A2 ア 30F3 ン	3362	10点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR TEN ≈ 0031 1 0030 0 70B9 点
3351	リットル	SQUARE RITTORU • liter ≈ <square> 30EA リ 30C3 ツ 30C8 ト 30EB ル	3363	11点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR ELEVEN ≈ 0031 1 0031 1 70B9 点
3352	リラ	SQUARE RIRA • lira ≈ <square> 30EA リ 30E9 ラ	3364	12点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR TWELVE ≈ 0031 1 0032 2 70B9 点
3353	ルピー	SQUARE RUPII • rupee ≈ <square> 30EB ル 30D4 ピ 30FC ー	3365	13点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR THIRTEEN ≈ 0031 1 0033 3 70B9 点
3354	ルーブル	SQUARE RUUBURU • ruble ≈ <square> 30EB ル 30FC ー 30D6 ブ 30EB ル	3366	14点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR FOURTEEN ≈ 0031 1 0034 4 70B9 点
3355	レム	SQUARE REMU • rem (unit of radiation) ≈ <square> 30EC レ 30E0 ム	3367	15点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR FIFTEEN ≈ 0031 1 0035 5 70B9 点
3356	レントゲン	SQUARE RENTOGEN • roentgen ≈ <square> 30EC レ 30F3 ン 30C8 ト 30B2 ゲ 30F3 ン	3368	16点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR SIXTEEN ≈ 0031 1 0036 6 70B9 点
3357	ワット	SQUARE WATTO • watt ≈ <square> 30EF ワ 30C3 ツ 30C8 ト	3369	17点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR SEVENTEEN ≈ 0031 1 0037 7 70B9 点
<b>Telegraph symbols for hours</b>			336A	18点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR EIGHTEEN ≈ 0031 1 0038 8 70B9 点
3358	0点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR ZERO ≈ 0030 0 70B9 点	336B	19点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR NINETEEN ≈ 0031 1 0039 9 70B9 点
3359	1点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR ONE ≈ 0031 1 70B9 点	336C	20点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR TWENTY ≈ 0032 2 0030 0 70B9 点
335A	2点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR TWO ≈ 0032 2 70B9 点	336D	21点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR TWENTY-ONE ≈ 0032 2 0031 1 70B9 点
			336E	22点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR TWENTY-TWO ≈ 0032 2 0032 2 70B9 点
			336F	23点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR TWENTY-THREE ≈ 0032 2 0033 3 70B9 点

3370 ㉔ IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR TWENTY-FOUR  
≈ 0032 2 0034 4 70B9 点

**Squared Latin abbreviations**

3371 hPa SQUARE HPA  
≈ <square> 0068 h 0050 P 0061 a

3372 da SQUARE DA  
≈ <square> 0064 d 0061 a

3373 AU SQUARE AU  
≈ <square> 0041 A 0055 U

3374 bar SQUARE BAR  
≈ <square> 0062 b 0061 a 0072 r

3375 oV SQUARE OV  
≈ <square> 006F o 0056 V

3376 pc SQUARE PC  
≈ <square> 0070 p 0063 c

3377 dm SQUARE DM  
≈ <square> 0064 d 006D m

3378 dm<sup>2</sup> SQUARE DM SQUARED  
≈ <square> 0064 d 006D m 00B2 <sup>2</sup>

3379 dm<sup>3</sup> SQUARE DM CUBED  
≈ <square> 0064 d 006D m 00B3 <sup>3</sup>

337A IU SQUARE IU  
≈ <square> 0049 I 0055 U

**Japanese era names**

337B 平成 SQUARE ERA NAME HEISEI  
≈ <square> 5E73 平 6210 成

337C 昭和 SQUARE ERA NAME SYOUWA  
≈ <square> 662D 昭 548C 和

337D 大正 SQUARE ERA NAME TAISYOU  
≈ <square> 5927 大 6B63 正

337E 明治 SQUARE ERA NAME MEIZI  
≈ <square> 660E 明 6CBB 治

**Japanese corporation**

337F 株式会社 SQUARE CORPORATION  
= kabusiki-gaisya  
• incorporated  
≈ <square> 682A 株 5F0F 式 4F1A 会  
793E 社

**Squared Latin abbreviations**

3380 pA SQUARE PA AMPS  
≈ <square> 0070 p 0041 A

3381 nA SQUARE NA  
≈ <square> 006E n 0041 A

3382 μA SQUARE MU A  
≈ <square> 03BC μ 0041 A

3383 mA SQUARE MA  
≈ <square> 006D m 0041 A

3384 kA SQUARE KA  
≈ <square> 006B k 0041 A

3385 KB SQUARE KB  
≈ <square> 004B K 0042 B

3386 MB SQUARE MB  
≈ <square> 004D M 0042 B

3387 GB SQUARE GB  
≈ <square> 0047 G 0042 B

3388 cal SQUARE CAL  
≈ <square> 0063 c 0061 a 006C l

3389 kcal SQUARE KCAL  
≈ <square> 006B k 0063 c 0061 a 006C l

338A pF SQUARE PF  
≈ <square> 0070 p 0046 F

338B nF SQUARE NF  
≈ <square> 006E n 0046 F

338C μF SQUARE MU F  
≈ <square> 03BC μ 0046 F

338D μg SQUARE MU G  
≈ <square> 03BC μ 0067 g

338E mg SQUARE MG  
≈ <square> 006D m 0067 g

338F kg SQUARE KG  
≈ <square> 006B k 0067 g

3390 Hz SQUARE HZ  
≈ <square> 0048 H 007A z

3391 kHz SQUARE KHZ  
≈ <square> 006B k 0048 H 007A z

3392 MHz SQUARE MHZ  
≈ <square> 004D M 0048 H 007A z

3393 GHz SQUARE GHZ  
≈ <square> 0047 G 0048 H 007A z

3394 THz SQUARE THZ  
≈ <square> 0054 T 0048 H 007A z

3395 μl SQUARE MU L  
≈ <square> 03BC μ 2113 l

3396 ml SQUARE ML  
≈ <square> 006D m 2113 l

3397 dl SQUARE DL  
≈ <square> 0064 d 2113 l

3398 kl SQUARE KL  
≈ <square> 006B k 2113 l

3399 fm SQUARE FM  
≈ <square> 0066 f 006D m

339A nm SQUARE NM  
≈ <square> 006E n 006D m

339B μm SQUARE MU M  
≈ <square> 03BC μ 006D m

339C mm SQUARE MM  
≈ <square> 006D m 006D m

339D cm SQUARE CM  
≈ <square> 0063 c 006D m

339E km SQUARE KM  
≈ <square> 006B k 006D m

339F mm<sup>2</sup> SQUARE MM SQUARED  
≈ <square> 006D m 006D m 00B2 <sup>2</sup>

33A0 cm<sup>2</sup> SQUARE CM SQUARED  
≈ <square> 0063 c 006D m 00B2 <sup>2</sup>

33A1 m<sup>2</sup> SQUARE M SQUARED  
≈ <square> 006D m 00B2 <sup>2</sup>

33A2 km<sup>2</sup> SQUARE KM SQUARED  
≈ <square> 006B k 006D m 00B2 <sup>2</sup>

33A3 mm<sup>3</sup> SQUARE MM CUBED  
≈ <square> 006D m 006D m 00B3 <sup>3</sup>

33A4 cm<sup>3</sup> SQUARE CM CUBED  
≈ <square> 0063 c 006D m 00B3 <sup>3</sup>

33A5 m<sup>3</sup> SQUARE M CUBED  
≈ <square> 006D m 00B3 <sup>3</sup>

































































33A6 km<sup>3</sup> SQUARE KM CUBED  
≈ <square> 006B k 006D m 00B3 <sup>3</sup>

33A7 m/s SQUARE M OVER S  
≈ <square> 006D m 2215 / 0073 s

33A8 m/s<sup>2</sup> SQUARE M OVER S SQUARED  
≈ <square> 006D m 2215 / 0073 s 00B2 <sup>2</sup>

33A9	Pa	SQUARE PA ≈ <square> 0050 P 0061 a	33C6	C/kg	SQUARE C OVER KG ≈ <square> 0043 C 2215 / 006B k 0067 g
33AA	kPa	SQUARE KPA ≈ <square> 006B k 0050 P 0061 a	33C7	Co.	SQUARE CO ≈ <square> 0043 C 006F o 002E .
33AB	MPa	SQUARE MPA ≈ <square> 004D M 0050 P 0061 a	33C8	dB	SQUARE DB ≈ <square> 0064 d 0042 B
33AC	GPa	SQUARE GPA ≈ <square> 0047 G 0050 P 0061 a	33C9	Gy	SQUARE GY ≈ <square> 0047 G 0079 y
33AD	rad	SQUARE RAD ≈ <square> 0072 r 0061 a 0064 d	33CA	ha	SQUARE HA ≈ <square> 0068 h 0061 a
33AE	rad/s	SQUARE RAD OVER S ≈ <square> 0072 r 0061 a 0064 d 2215 / 0073 s	33CB	HP	SQUARE HP ≈ <square> 0048 H 0050 P
33AF	rad <sup>2</sup>	SQUARE RAD OVER S SQUARED ≈ <square> 0072 r 0061 a 0064 d 2215 / 0073 s 00B2 <sup>2</sup>	33CC	in	SQUARE IN ≈ <square> 0069 i 006E n
33B0	ps	SQUARE PS ≈ <square> 0070 p 0073 s	33CD	KK	SQUARE KK ≈ <square> 004B K 004B K
33B1	ns	SQUARE NS ≈ <square> 006E n 0073 s	33CE	KM	SQUARE KM CAPITAL ≈ <square> 004B K 004D M
33B2	μs	SQUARE MU S ≈ <square> 03BC μ 0073 s	33CF	kt	SQUARE KT ≈ <square> 006B k 0074 t
33B3	ms	SQUARE MS ≈ <square> 006D m 0073 s	33D0	lm	SQUARE LM ≈ <square> 006C l 006D m
33B4	pV	SQUARE PV ≈ <square> 0070 p 0056 V	33D1	ln	SQUARE LN ≈ <square> 006C l 006E n
33B5	nV	SQUARE NV ≈ <square> 006E n 0056 V	33D2	log	SQUARE LOG ≈ <square> 006C l 006F o 0067 g
33B6	μV	SQUARE MU V ≈ <square> 03BC μ 0056 V	33D3	lx	SQUARE LX ≈ <square> 006C l 0078 x
33B7	mV	SQUARE MV ≈ <square> 006D m 0056 V	33D4	mb	SQUARE MB SMALL ≈ <square> 006D m 0062 b
33B8	kV	SQUARE KV ≈ <square> 006B k 0056 V	33D5	mil	SQUARE MIL ≈ <square> 006D m 0069 i 006C l
33B9	MV	SQUARE MV MEGA ≈ <square> 004D M 0056 V	33D6	mol	SQUARE MOL ≈ <square> 006D m 006F o 006C l
33BA	pW	SQUARE PW ≈ <square> 0070 p 0057 W	33D7	pH	SQUARE PH ≈ <square> 0050 P 0048 H
33BB	nW	SQUARE NW ≈ <square> 006E n 0057 W	33D8	pm.	SQUARE PM ≈ <square> 0070 p 002E . 006D m 002E .
33BC	μW	SQUARE MU W ≈ <square> 03BC μ 0057 W	33D9	PPM	SQUARE PPM ≈ <square> 0050 P 0050 P 004D M
33BD	mW	SQUARE MW ≈ <square> 006D m 0057 W	33DA	PR	SQUARE PR ≈ <square> 0050 P 0052 R
33BE	kW	SQUARE KW ≈ <square> 006B k 0057 W	33DB	sr	SQUARE SR ≈ <square> 0073 s 0072 r
33BF	MW	SQUARE MW MEGA ≈ <square> 004D M 0057 W	33DC	Sv	SQUARE SV ≈ <square> 0053 S 0076 v
33C0	kΩ	SQUARE K OHM ≈ <square> 006B k 03A9 Ω	33DD	Wb	SQUARE WB ≈ <square> 0057 W 0062 b
33C1	MΩ	SQUARE M OHM ≈ <square> 004D M 03A9 Ω	33DE	V <sub>m</sub>	SQUARE V OVER M ≈ <square> 0056 V 2215 / 006D m
33C2	a.m.	SQUARE AM ≈ <square> 0061 a 002E . 006D m 002E .	33DF	A <sub>m</sub>	SQUARE A OVER M ≈ <square> 0041 A 2215 / 006D m
33C3	Bq	SQUARE BQ ≈ <square> 0042 B 0071 q	<b>Telegraph symbols for days</b>		
33C4	cc	SQUARE CC ≈ <square> 0063 c 0063 c	33E0	1日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY ONE ≈ 0031 1 65E5 日
33C5	cd	SQUARE CD → 1F12D Ⓢ circled cd ≈ <square> 0063 c 0064 d	33E1	2日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWO ≈ 0032 2 65E5 日
			33E2	3日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY THREE ≈ 0033 3 65E5 日

33E3	4日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY FOUR ≈ 0034 4 65E5 日	33F8	25日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWENTY-FIVE ≈ 0032 2 0035 5 65E5 日
33E4	5日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY FIVE ≈ 0035 5 65E5 日	33F9	26日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWENTY-SIX ≈ 0032 2 0036 6 65E5 日
33E5	6日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY SIX ≈ 0036 6 65E5 日	33FA	27日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWENTY-SEVEN ≈ 0032 2 0037 7 65E5 日
33E6	7日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY SEVEN ≈ 0037 7 65E5 日	33FB	28日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWENTY-EIGHT ≈ 0032 2 0038 8 65E5 日
33E7	8日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY EIGHT ≈ 0038 8 65E5 日	33FC	29日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWENTY-NINE ≈ 0032 2 0039 9 65E5 日
33E8	9日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY NINE ≈ 0039 9 65E5 日	33FD	30日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY THIRTY ≈ 0033 3 0030 0 65E5 日
33E9	10日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TEN ≈ 0031 1 0030 0 65E5 日	33FE	31日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY THIRTY-ONE ≈ 0033 3 0031 1 65E5 日
33EA	11日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY ELEVEN ≈ 0031 1 0031 1 65E5 日	<b>Squared Latin abbreviation</b>		
33EB	12日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWELVE ≈ 0031 1 0032 2 65E5 日	33FF	gal	SQUARE GAL ≈ <square> 0067 g 0061 a 006C I
33EC	13日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY THIRTEEN ≈ 0031 1 0033 3 65E5 日			
33ED	14日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY FOURTEEN ≈ 0031 1 0034 4 65E5 日			
33EE	15日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY FIFTEEN ≈ 0031 1 0035 5 65E5 日			
33EF	16日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY SIXTEEN ≈ 0031 1 0036 6 65E5 日			
33F0	17日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY SEVENTEEN ≈ 0031 1 0037 7 65E5 日			
33F1	18日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY EIGHTEEN ≈ 0031 1 0038 8 65E5 日			
33F2	19日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY NINETEEN ≈ 0031 1 0039 9 65E5 日			
33F3	20日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWENTY ≈ 0032 2 0030 0 65E5 日			
33F4	21日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWENTY-ONE ≈ 0032 2 0031 1 65E5 日			
33F5	22日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWENTY-TWO ≈ 0032 2 0032 2 65E5 日			
33F6	23日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWENTY-THREE ≈ 0032 2 0033 3 65E5 日			
33F7	24日	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWENTY-FOUR ≈ 0032 2 0034 4 65E5 日			

	4DC	4DD	4DE	4DF
0	 4DC0	 4DD0	 4DE0	 4DF0
1	 4DC1	 4DD1	 4DE1	 4DF1
2	 4DC2	 4DD2	 4DE2	 4DF2
3	 4DC3	 4DD3	 4DE3	 4DF3
4	 4DC4	 4DD4	 4DE4	 4DF4
5	 4DC5	 4DD5	 4DE5	 4DF5
6	 4DC6	 4DD6	 4DE6	 4DF6
7	 4DC7	 4DD7	 4DE7	 4DF7
8	 4DC8	 4DD8	 4DE8	 4DF8
9	 4DC9	 4DD9	 4DE9	 4DF9
A	 4DCA	 4DDA	 4DEA	 4DFA
B	 4DCB	 4ddb	 4DEB	 4DFB
C	 4DCC	 4DDC	 4DEC	 4DFC
D	 4DCD	 4DDD	 4DED	 4DFD
E	 4DCE	 4DDE	 4DEE	 4DFE
F	 4DCF	 4DDF	 4DEF	 4DFF

**Yijing hexagram symbols**

4DC0	☰	HEXAGRAM FOR THE CREATIVE HEAVEN
4DC1	☷	HEXAGRAM FOR THE RECEPTIVE EARTH
4DC2	☱	HEXAGRAM FOR DIFFICULTY AT THE BEGINNING
4DC3	☲	HEXAGRAM FOR YOUTHFUL FOLLY
4DC4	☴	HEXAGRAM FOR WAITING
4DC5	☵	HEXAGRAM FOR CONFLICT
4DC6	☶	HEXAGRAM FOR THE ARMY
4DC7	☱☷	HEXAGRAM FOR HOLDING TOGETHER
4DC8	☲☱	HEXAGRAM FOR SMALL TAMING
4DC9	☲☴	HEXAGRAM FOR TREADING
4DCA	☲☷	HEXAGRAM FOR PEACE
4DCB	☲☵	HEXAGRAM FOR STANDSTILL
4DCC	☲☶	HEXAGRAM FOR FELLOWSHIP
4DCD	☲☱☷	HEXAGRAM FOR GREAT POSSESSION
4DCE	☲☲	HEXAGRAM FOR MODESTY
4DCF	☲☱☱	HEXAGRAM FOR ENTHUSIASM
4DD0	☲☱☶	HEXAGRAM FOR FOLLOWING
4DD1	☲☱☵	HEXAGRAM FOR WORK ON THE DECAYED
4DD2	☲☱☴	HEXAGRAM FOR APPROACH
4DD3	☲☱☳	HEXAGRAM FOR CONTEMPLATION
4DD4	☲☱☲	HEXAGRAM FOR BITING THROUGH
4DD5	☲☱☱	HEXAGRAM FOR GRACE
4DD6	☲☱☶	HEXAGRAM FOR SPLITTING APART
4DD7	☲☱☵	HEXAGRAM FOR RETURN
4DD8	☲☱☴	HEXAGRAM FOR INNOCENCE
4DD9	☲☱☳	HEXAGRAM FOR GREAT TAMING
4DDA	☲☱☲	HEXAGRAM FOR MOUTH CORNERS
4DDB	☲☱☱	HEXAGRAM FOR GREAT PREPONDERANCE
4DDC	☲☱☶	HEXAGRAM FOR THE ABYSMAL WATER
4DDD	☲☱☵	HEXAGRAM FOR THE CLINGING FIRE
4DDE	☲☱☴	HEXAGRAM FOR INFLUENCE
4DDF	☲☱☳	HEXAGRAM FOR DURATION
4DE0	☲☱☲	HEXAGRAM FOR RETREAT
4DE1	☲☱☱	HEXAGRAM FOR GREAT POWER
4DE2	☲☱☶	HEXAGRAM FOR PROGRESS
4DE3	☲☱☵	HEXAGRAM FOR DARKENING OF THE LIGHT
4DE4	☲☱☴	HEXAGRAM FOR THE FAMILY
4DE5	☲☱☳	HEXAGRAM FOR OPPOSITION
4DE6	☲☱☲	HEXAGRAM FOR OBSTRUCTION
4DE7	☲☱☱	HEXAGRAM FOR DELIVERANCE
4DE8	☲☱☶	HEXAGRAM FOR DECREASE
4DE9	☲☱☵	HEXAGRAM FOR INCREASE
4DEA	☲☱☴	HEXAGRAM FOR BREAKTHROUGH
4DEB	☲☱☳	HEXAGRAM FOR COMING TO MEET
4DEC	☲☱☲	HEXAGRAM FOR GATHERING TOGETHER
4DED	☲☱☱	HEXAGRAM FOR PUSHING UPWARD
4DEE	☲☱☶	HEXAGRAM FOR OPPRESSION
4DEF	☲☱☵	HEXAGRAM FOR THE WELL
4DF0	☲☱☴	HEXAGRAM FOR REVOLUTION
4DF1	☲☱☳	HEXAGRAM FOR THE CAULDRON
4DF2	☲☱☲	HEXAGRAM FOR THE AROUSING THUNDER
4DF3	☲☱☱	HEXAGRAM FOR THE KEEPING STILL MOUNTAIN
4DF4	☲☱☶	HEXAGRAM FOR DEVELOPMENT
4DF5	☲☱☵	HEXAGRAM FOR THE MARRYING MAIDEN
4DF6	☲☱☴	HEXAGRAM FOR ABUNDANCE
4DF7	☲☱☳	HEXAGRAM FOR THE WANDERER
4DF8	☲☱☲	HEXAGRAM FOR THE GENTLE WIND
4DF9	☲☱☱	HEXAGRAM FOR THE JOYOUS LAKE

4DFA	☱☲	HEXAGRAM FOR DISPERSION
4DFB	☱☳	HEXAGRAM FOR LIMITATION
4DFC	☱☴	HEXAGRAM FOR INNER TRUTH
4DFD	☱☵	HEXAGRAM FOR SMALL PREPONDERANCE
4DFE	☱☶	HEXAGRAM FOR AFTER COMPLETION
4DFF	☱☱	HEXAGRAM FOR BEFORE COMPLETION



	A00	A01	A02	A03	A04	A05	A06	A07	A08	A09	A0A	A0B	A0C	A0D	A0E
0	A000	A010	A020	A030	A040	A050	A060	A070	A080	A090	A0A0	A0B0	A0C0	A0D0	A0E0
1	A001	A011	A021	A031	A041	A051	A061	A071	A081	A091	A0A1	A0B1	A0C1	A0D1	A0E1
2	A002	A012	A022	A032	A042	A052	A062	A072	A082	A092	A0A2	A0B2	A0C2	A0D2	A0E2
3	A003	A013	A023	A033	A043	A053	A063	A073	A083	A093	A0A3	A0B3	A0C3	A0D3	A0E3
4	A004	A014	A024	A034	A044	A054	A064	A074	A084	A094	A0A4	A0B4	A0C4	A0D4	A0E4
5	A005	A015	A025	A035	A045	A055	A065	A075	A085	A095	A0A5	A0B5	A0C5	A0D5	A0E5
6	A006	A016	A026	A036	A046	A056	A066	A076	A086	A096	A0A6	A0B6	A0C6	A0D6	A0E6
7	A007	A017	A027	A037	A047	A057	A067	A077	A087	A097	A0A7	A0B7	A0C7	A0D7	A0E7
8	A008	A018	A028	A038	A048	A058	A068	A078	A088	A098	A0A8	A0B8	A0C8	A0D8	A0E8
9	A009	A019	A029	A039	A049	A059	A069	A079	A089	A099	A0A9	A0B9	A0C9	A0D9	A0E9
A	A00A	A01A	A02A	A03A	A04A	A05A	A06A	A07A	A08A	A09A	A0AA	A0BA	A0CA	A0DA	A0EA
B	A00B	A01B	A02B	A03B	A04B	A05B	A06B	A07B	A08B	A09B	A0AB	A0BB	A0CB	A0DB	A0EB
C	A00C	A01C	A02C	A03C	A04C	A05C	A06C	A07C	A08C	A09C	A0AC	A0BC	A0CC	A0DC	A0EC
D	A00D	A01D	A02D	A03D	A04D	A05D	A06D	A07D	A08D	A09D	A0AD	A0BD	A0CD	A0DD	A0ED
E	A00E	A01E	A02E	A03E	A04E	A05E	A06E	A07E	A08E	A09E	A0AE	A0BE	A0CE	A0DE	A0EE
F	A00F	A01F	A02F	A03F	A04F	A05F	A06F	A07F	A08F	A09F	A0AF	A0BF	A0CF	A0DF	A0EF

	A0F	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A1A	A1B	A1C	A1D
0	A0F0	A100	A110	A120	A130	A140	A150	A160	A170	A180	A190	A1A0	A1B0	A1C0	A1D0
1	A0F1	A101	A111	A121	A131	A141	A151	A161	A171	A181	A191	A1A1	A1B1	A1C1	A1D1
2	A0F2	A102	A112	A122	A132	A142	A152	A162	A172	A182	A192	A1A2	A1B2	A1C2	A1D2
3	A0F3	A103	A113	A123	A133	A143	A153	A163	A173	A183	A193	A1A3	A1B3	A1C3	A1D3
4	A0F4	A104	A114	A124	A134	A144	A154	A164	A174	A184	A194	A1A4	A1B4	A1C4	A1D4
5	A0F5	A105	A115	A125	A135	A145	A155	A165	A175	A185	A195	A1A5	A1B5	A1C5	A1D5
6	A0F6	A106	A116	A126	A136	A146	A156	A166	A176	A186	A196	A1A6	A1B6	A1C6	A1D6
7	A0F7	A107	A117	A127	A137	A147	A157	A167	A177	A187	A197	A1A7	A1B7	A1C7	A1D7
8	A0F8	A108	A118	A128	A138	A148	A158	A168	A178	A188	A198	A1A8	A1B8	A1C8	A1D8
9	A0F9	A109	A119	A129	A139	A149	A159	A169	A179	A189	A199	A1A9	A1B9	A1C9	A1D9
A	A0FA	A10A	A11A	A12A	A13A	A14A	A15A	A16A	A17A	A18A	A19A	A1AA	A1BA	A1CA	A1DA
B	A0FB	A10B	A11B	A12B	A13B	A14B	A15B	A16B	A17B	A18B	A19B	A1AB	A1BB	A1CB	A1DB
C	A0FC	A10C	A11C	A12C	A13C	A14C	A15C	A16C	A17C	A18C	A19C	A1AC	A1BC	A1CC	A1DC
D	A0FD	A10D	A11D	A12D	A13D	A14D	A15D	A16D	A17D	A18D	A19D	A1AD	A1BD	A1CD	A1DD
E	A0FE	A10E	A11E	A12E	A13E	A14E	A15E	A16E	A17E	A18E	A19E	A1AE	A1BE	A1CE	A1DE
F	A0FF	A10F	A11F	A12F	A13F	A14F	A15F	A16F	A17F	A18F	A19F	A1AF	A1BF	A1CF	A1DF

	A1E	A1F	A20	A21	A22	A23	A24	A25	A26	A27	A28	A29	A2A	A2B	A2C
0	A1E0	A1F0	A200	A210	A220	A230	A240	A250	A260	A270	A280	A290	A2A0	A2B0	A2C0
1	A1E1	A1F1	A201	A211	A221	A231	A241	A251	A261	A271	A281	A291	A2A1	A2B1	A2C1
2	A1E2	A1F2	A202	A212	A222	A232	A242	A252	A262	A272	A282	A292	A2A2	A2B2	A2C2
3	A1E3	A1F3	A203	A213	A223	A233	A243	A253	A263	A273	A283	A293	A2A3	A2B3	A2C3
4	A1E4	A1F4	A204	A214	A224	A234	A244	A254	A264	A274	A284	A294	A2A4	A2B4	A2C4
5	A1E5	A1F5	A205	A215	A225	A235	A245	A255	A265	A275	A285	A295	A2A5	A2B5	A2C5
6	A1E6	A1F6	A206	A216	A226	A236	A246	A256	A266	A276	A286	A296	A2A6	A2B6	A2C6
7	A1E7	A1F7	A207	A217	A227	A237	A247	A257	A267	A277	A287	A297	A2A7	A2B7	A2C7
8	A1E8	A1F8	A208	A218	A228	A238	A248	A258	A268	A278	A288	A298	A2A8	A2B8	A2C8
9	A1E9	A1F9	A209	A219	A229	A239	A249	A259	A269	A279	A289	A299	A2A9	A2B9	A2C9
A	A1EA	A1FA	A20A	A21A	A22A	A23A	A24A	A25A	A26A	A27A	A28A	A29A	A2AA	A2BA	A2CA
B	A1EB	A1FB	A20B	A21B	A22B	A23B	A24B	A25B	A26B	A27B	A28B	A29B	A2AB	A2BB	A2CB
C	A1EC	A1FC	A20C	A21C	A22C	A23C	A24C	A25C	A26C	A27C	A28C	A29C	A2AC	A2BC	A2CC
D	A1ED	A1FD	A20D	A21D	A22D	A23D	A24D	A25D	A26D	A27D	A28D	A29D	A2AD	A2BD	A2CD
E	A1EE	A1FE	A20E	A21E	A22E	A23E	A24E	A25E	A26E	A27E	A28E	A29E	A2AE	A2BE	A2CE
F	A1EF	A1FF	A20F	A21F	A22F	A23F	A24F	A25F	A26F	A27F	A28F	A29F	A2AF	A2BF	A2CF

	A2D	A2E	A2F	A30	A31	A32	A33	A34	A35	A36	A37	A38	A39	A3A
0	A2D0	A2E0	A2F0	A300	A310	A320	A330	A340	A350	A360	A370	A380	A390	A3A0
1	A2D1	A2E1	A2F1	A301	A311	A321	A331	A341	A351	A361	A371	A381	A391	A3A1
2	A2D2	A2E2	A2F2	A302	A312	A322	A332	A342	A352	A362	A372	A382	A392	A3A2
3	A2D3	A2E3	A2F3	A303	A313	A323	A333	A343	A353	A363	A373	A383	A393	A3A3
4	A2D4	A2E4	A2F4	A304	A314	A324	A334	A344	A354	A364	A374	A384	A394	A3A4
5	A2D5	A2E5	A2F5	A305	A315	A325	A335	A345	A355	A365	A375	A385	A395	A3A5
6	A2D6	A2E6	A2F6	A306	A316	A326	A336	A346	A356	A366	A376	A386	A396	A3A6
7	A2D7	A2E7	A2F7	A307	A317	A327	A337	A347	A357	A367	A377	A387	A397	A3A7
8	A2D8	A2E8	A2F8	A308	A318	A328	A338	A348	A358	A368	A378	A388	A398	A3A8
9	A2D9	A2E9	A2F9	A309	A319	A329	A339	A349	A359	A369	A379	A389	A399	A3A9
A	A2DA	A2EA	A2FA	A30A	A31A	A32A	A33A	A34A	A35A	A36A	A37A	A38A	A39A	A3AA
B	A2DB	A2EB	A2FB	A30B	A31B	A32B	A33B	A34B	A35B	A36B	A37B	A38B	A39B	A3AB
C	A2DC	A2EC	A2FC	A30C	A31C	A32C	A33C	A34C	A35C	A36C	A37C	A38C	A39C	A3AC
D	A2DD	A2ED	A2FD	A30D	A31D	A32D	A33D	A34D	A35D	A36D	A37D	A38D	A39D	A3AD
E	A2DE	A2EE	A2FE	A30E	A31E	A32E	A33E	A34E	A35E	A36E	A37E	A38E	A39E	A3AE
F	A2DF	A2EF	A2FF	A30F	A31F	A32F	A33F	A34F	A35F	A36F	A37F	A38F	A39F	A3AF

	A3B	A3C	A3D	A3E	A3F	A40	A41	A42	A43	A44	A45	A46	A47	A48
0	A3B0	A3C0	A3D0	A3E0	A3F0	A400	A410	A420	A430	A440	A450	A460	A470	A480
1	A3B1	A3C1	A3D1	A3E1	A3F1	A401	A411	A421	A431	A441	A451	A461	A471	A481
2	A3B2	A3C2	A3D2	A3E2	A3F2	A402	A412	A422	A432	A442	A452	A462	A472	A482
3	A3B3	A3C3	A3D3	A3E3	A3F3	A403	A413	A423	A433	A443	A453	A463	A473	A483
4	A3B4	A3C4	A3D4	A3E4	A3F4	A404	A414	A424	A434	A444	A454	A464	A474	A484
5	A3B5	A3C5	A3D5	A3E5	A3F5	A405	A415	A425	A435	A445	A455	A465	A475	A485
6	A3B6	A3C6	A3D6	A3E6	A3F6	A406	A416	A426	A436	A446	A456	A466	A476	A486
7	A3B7	A3C7	A3D7	A3E7	A3F7	A407	A417	A427	A437	A447	A457	A467	A477	A487
8	A3B8	A3C8	A3D8	A3E8	A3F8	A408	A418	A428	A438	A448	A458	A468	A478	A488
9	A3B9	A3C9	A3D9	A3E9	A3F9	A409	A419	A429	A439	A449	A459	A469	A479	A489
A	A3BA	A3CA	A3DA	A3EA	A3FA	A40A	A41A	A42A	A43A	A44A	A45A	A46A	A47A	A48A
B	A3BB	A3CB	A3DB	A3EB	A3FB	A40B	A41B	A42B	A43B	A44B	A45B	A46B	A47B	A48B
C	A3BC	A3CC	A3DC	A3EC	A3FC	A40C	A41C	A42C	A43C	A44C	A45C	A46C	A47C	A48C
D	A3BD	A3CD	A3DD	A3ED	A3FD	A40D	A41D	A42D	A43D	A44D	A45D	A46D	A47D	A48D
E	A3BE	A3CE	A3DE	A3EE	A3FE	A40E	A41E	A42E	A43E	A44E	A45E	A46E	A47E	A48E
F	A3BF	A3CF	A3DF	A3EF	A3FF	A40F	A41F	A42F	A43F	A44F	A45F	A46F	A47F	A48F

**Syllables**

A000	𪛀	YI SYLLABLE IT
A001	𪛁	YI SYLLABLE IX
A002	𪛂	YI SYLLABLE I
A003	𪛃	YI SYLLABLE IP
A004	𪛄	YI SYLLABLE IET
A005	𪛅	YI SYLLABLE IEX
A006	𪛆	YI SYLLABLE IE
A007	𪛇	YI SYLLABLE IEP
A008	𪛈	YI SYLLABLE AT
A009	𪛉	YI SYLLABLE AX
A00A	𪛊	YI SYLLABLE A
A00B	𪛋	YI SYLLABLE AP
A00C	𪛌	YI SYLLABLE UOX
A00D	𪛍	YI SYLLABLE UO
A00E	𪛎	YI SYLLABLE UOP
A00F	𪛏	YI SYLLABLE OT
A010	𪛐	YI SYLLABLE OX
A011	𪛑	YI SYLLABLE O
A012	𪛒	YI SYLLABLE OP
A013	𪛓	YI SYLLABLE EX
A014	𪛔	YI SYLLABLE E

**Syllable iteration mark**

A015	𪛕	YI SYLLABLE WU ✕ YI SYLLABLE ITERATION MARK • name is a misnomer
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**Syllables**

A016	𪛖	YI SYLLABLE BIT
A017	𪛗	YI SYLLABLE BIX
A018	𪛘	YI SYLLABLE BI
A019	𪛙	YI SYLLABLE BIP
A01A	𪛚	YI SYLLABLE BIET
A01B	𪛛	YI SYLLABLE BIEX
A01C	𪛜	YI SYLLABLE BIE
A01D	𪛝	YI SYLLABLE BIEP
A01E	𪛞	YI SYLLABLE BAT
A01F	𪛟	YI SYLLABLE BAX
A020	𪛠	YI SYLLABLE BA
A021	𪛡	YI SYLLABLE BAP
A022	𪛢	YI SYLLABLE BUOX
A023	𪛣	YI SYLLABLE BUO
A024	𪛤	YI SYLLABLE BUOP
A025	𪛥	YI SYLLABLE BOT
A026	𪛦	YI SYLLABLE BOX
A027	𪛧	YI SYLLABLE BO
A028	𪛨	YI SYLLABLE BOP
A029	𪛩	YI SYLLABLE BEX
A02A	𪛪	YI SYLLABLE BE
A02B	𪛫	YI SYLLABLE BEP
A02C	𪛬	YI SYLLABLE BUT
A02D	𪛭	YI SYLLABLE BUX
A02E	𪛮	YI SYLLABLE BU
A02F	𪛯	YI SYLLABLE BUP
A030	𪛰	YI SYLLABLE BURX
A031	𪛱	YI SYLLABLE BUR
A032	𪛲	YI SYLLABLE BYT
A033	𪛳	YI SYLLABLE BYX
A034	𪛴	YI SYLLABLE BY
A035	𪛵	YI SYLLABLE BYP
A036	𪛶	YI SYLLABLE BYRX

A037	𪛷	YI SYLLABLE BYR
A038	𪛸	YI SYLLABLE PIT
A039	𪛹	YI SYLLABLE PIX
A03A	𪛺	YI SYLLABLE PI
A03B	𪛻	YI SYLLABLE PIP
A03C	𪛼	YI SYLLABLE PIEX
A03D	𪛽	YI SYLLABLE PIE
A03E	𪛾	YI SYLLABLE PIEP
A03F	𪛿	YI SYLLABLE PAT
A040	𪜀	YI SYLLABLE PAX
A041	𪜁	YI SYLLABLE PA
A042	𪜂	YI SYLLABLE PAP
A043	𪜃	YI SYLLABLE PUOX
A044	𪜄	YI SYLLABLE PUO
A045	𪜅	YI SYLLABLE PUOP
A046	𪜆	YI SYLLABLE POT
A047	𪜇	YI SYLLABLE POX
A048	𪜈	YI SYLLABLE PO
A049	𪜉	YI SYLLABLE POP
A04A	𪜊	YI SYLLABLE PUT
A04B	𪜋	YI SYLLABLE PUX
A04C	𪜌	YI SYLLABLE PU
A04D	𪜍	YI SYLLABLE PUP
A04E	𪜎	YI SYLLABLE PURX
A04F	𪜏	YI SYLLABLE PUR
A050	𪜐	YI SYLLABLE PYT
A051	𪜑	YI SYLLABLE PYX
A052	𪜒	YI SYLLABLE PY
A053	𪜓	YI SYLLABLE PYP
A054	𪜔	YI SYLLABLE PYRX
A055	𪜕	YI SYLLABLE PYR
A056	𪜖	YI SYLLABLE BBIT
A057	𪜗	YI SYLLABLE BBIX
A058	𪜘	YI SYLLABLE BBI
A059	𪜙	YI SYLLABLE BBIP
A05A	𪜚	YI SYLLABLE BBIET
A05B	𪜛	YI SYLLABLE BBIEX
A05C	𪜜	YI SYLLABLE BBIE
A05D	𪜝	YI SYLLABLE BBIEP
A05E	𪜞	YI SYLLABLE BBAT
A05F	𪜟	YI SYLLABLE BBAX
A060	𪜠	YI SYLLABLE BBA
A061	𪜡	YI SYLLABLE BBAP
A062	𪜢	YI SYLLABLE BBUOX
A063	𪜣	YI SYLLABLE BBUO
A064	𪜤	YI SYLLABLE BBUOP
A065	𪜥	YI SYLLABLE BBOT
A066	𪜦	YI SYLLABLE BBOX
A067	𪜧	YI SYLLABLE BBO
A068	𪜨	YI SYLLABLE BBOP
A069	𪜩	YI SYLLABLE BBEX
A06A	𪜊	YI SYLLABLE BBE
A06B	𪜋	YI SYLLABLE BBEP
A06C	𪜌	YI SYLLABLE BBUT
A06D	𪜍	YI SYLLABLE BBUX
A06E	𪜎	YI SYLLABLE BBU
A06F	𪜏	YI SYLLABLE BBUP
A070	𪜐	YI SYLLABLE BBURX
A071	𪜑	YI SYLLABLE BBUR
A072	𪜒	YI SYLLABLE BBYT
A073	𪜓	YI SYLLABLE BBYX

A074	𐺒	YI SYLLABLE BBY	A0B1	𐺒	YI SYLLABLE MIP
A075	𐺒	YI SYLLABLE BBYP	A0B2	𐺒	YI SYLLABLE MIEX
A076	𐺒	YI SYLLABLE NBIT	A0B3	𐺒	YI SYLLABLE MIE
A077	𐺒	YI SYLLABLE NBIX	A0B4	𐺒	YI SYLLABLE MIEP
A078	𐺒	YI SYLLABLE NBI	A0B5	𐺒	YI SYLLABLE MAT
A079	𐺒	YI SYLLABLE NBIP	A0B6	𐺒	YI SYLLABLE MAX
A07A	𐺒	YI SYLLABLE NBIEX	A0B7	𐺒	YI SYLLABLE MA
A07B	𐺒	YI SYLLABLE NBIE	A0B8	𐺒	YI SYLLABLE MAP
A07C	𐺒	YI SYLLABLE NBIEP	A0B9	𐺒	YI SYLLABLE MUOT
A07D	𐺒	YI SYLLABLE NBAT	A0BA	𐺒	YI SYLLABLE MUOX
A07E	𐺒	YI SYLLABLE NBAX	A0BB	𐺒	YI SYLLABLE MUO
A07F	𐺒	YI SYLLABLE NBA	A0BC	𐺒	YI SYLLABLE MUOP
A080	𐺒	YI SYLLABLE NBAP	A0BD	𐺒	YI SYLLABLE MOT
A081	𐺒	YI SYLLABLE NBOT	A0BE	𐺒	YI SYLLABLE MOX
A082	𐺒	YI SYLLABLE NBOX	A0BF	𐺒	YI SYLLABLE MO
A083	𐺒	YI SYLLABLE NBO	A0C0	𐺒	YI SYLLABLE MOP
A084	𐺒	YI SYLLABLE NBOP	A0C1	𐺒	YI SYLLABLE MEX
A085	𐺒	YI SYLLABLE NBUT	A0C2	𐺒	YI SYLLABLE ME
A086	𐺒	YI SYLLABLE NBUX	A0C3	𐺒	YI SYLLABLE MUT
A087	𐺒	YI SYLLABLE NBU	A0C4	𐺒	YI SYLLABLE MUX
A088	𐺒	YI SYLLABLE NBUP	A0C5	𐺒	YI SYLLABLE MU
A089	𐺒	YI SYLLABLE NBURX	A0C6	𐺒	YI SYLLABLE MUP
A08A	𐺒	YI SYLLABLE NBUR	A0C7	𐺒	YI SYLLABLE MURX
A08B	𐺒	YI SYLLABLE NBYT	A0C8	𐺒	YI SYLLABLE MUR
A08C	𐺒	YI SYLLABLE NBYX	A0C9	𐺒	YI SYLLABLE MYT
A08D	𐺒	YI SYLLABLE NBY	A0CA	𐺒	YI SYLLABLE MYX
A08E	𐺒	YI SYLLABLE NBYP	A0CB	𐺒	YI SYLLABLE MY
A08F	𐺒	YI SYLLABLE NBYRX	A0CC	𐺒	YI SYLLABLE MYP
A090	𐺒	YI SYLLABLE NBYR	A0CD	𐺒	YI SYLLABLE FIT
A091	𐺒	YI SYLLABLE HMIT	A0CE	𐺒	YI SYLLABLE FIX
A092	𐺒	YI SYLLABLE HMIX	A0CF	𐺒	YI SYLLABLE FI
A093	𐺒	YI SYLLABLE HMI	A0D0	𐺒	YI SYLLABLE FIP
A094	𐺒	YI SYLLABLE HMIP	A0D1	𐺒	YI SYLLABLE FAT
A095	𐺒	YI SYLLABLE HMIEX	A0D2	𐺒	YI SYLLABLE FAX
A096	𐺒	YI SYLLABLE HMIE	A0D3	𐺒	YI SYLLABLE FA
A097	𐺒	YI SYLLABLE HMIEP	A0D4	𐺒	YI SYLLABLE FAP
A098	𐺒	YI SYLLABLE HMAT	A0D5	𐺒	YI SYLLABLE FOX
A099	𐺒	YI SYLLABLE HMAX	A0D6	𐺒	YI SYLLABLE FO
A09A	𐺒	YI SYLLABLE HMA	A0D7	𐺒	YI SYLLABLE FOP
A09B	𐺒	YI SYLLABLE HMAP	A0D8	𐺒	YI SYLLABLE FUT
A09C	𐺒	YI SYLLABLE HMUOX	A0D9	𐺒	YI SYLLABLE FUX
A09D	𐺒	YI SYLLABLE HMUO	A0DA	𐺒	YI SYLLABLE FU
A09E	𐺒	YI SYLLABLE HMUOP	A0DB	𐺒	YI SYLLABLE FUP
A09F	𐺒	YI SYLLABLE HMOT	A0DC	𐺒	YI SYLLABLE FURX
A0A0	𐺒	YI SYLLABLE HMOX	A0DD	𐺒	YI SYLLABLE FUR
A0A1	𐺒	YI SYLLABLE HMO	A0DE	𐺒	YI SYLLABLE FYT
A0A2	𐺒	YI SYLLABLE HMOP	A0DF	𐺒	YI SYLLABLE FYX
A0A3	𐺒	YI SYLLABLE HMUT	A0E0	𐺒	YI SYLLABLE FY
A0A4	𐺒	YI SYLLABLE HMUX	A0E1	𐺒	YI SYLLABLE FYP
A0A5	𐺒	YI SYLLABLE HMU	A0E2	𐺒	YI SYLLABLE VIT
A0A6	𐺒	YI SYLLABLE HMUP	A0E3	𐺒	YI SYLLABLE VIX
A0A7	𐺒	YI SYLLABLE HMURX	A0E4	𐺒	YI SYLLABLE VI
A0A8	𐺒	YI SYLLABLE HMUR	A0E5	𐺒	YI SYLLABLE VIP
A0A9	𐺒	YI SYLLABLE HMYX	A0E6	𐺒	YI SYLLABLE VIET
A0AA	𐺒	YI SYLLABLE HMY	A0E7	𐺒	YI SYLLABLE VIEX
A0AB	𐺒	YI SYLLABLE HMYP	A0E8	𐺒	YI SYLLABLE VIE
A0AC	𐺒	YI SYLLABLE HMYRX	A0E9	𐺒	YI SYLLABLE VIEP
A0AD	𐺒	YI SYLLABLE HMYR	A0EA	𐺒	YI SYLLABLE VAT
A0AE	𐺒	YI SYLLABLE MIT	A0EB	𐺒	YI SYLLABLE VAX
A0AF	𐺒	YI SYLLABLE MIX	A0EC	𐺒	YI SYLLABLE VA
A0B0	𐺒	YI SYLLABLE MI	A0ED	𐺒	YI SYLLABLE VAP

A0EE	𐀞	YI SYLLABLE VOT
A0EF	𐀟	YI SYLLABLE VOX
A0F0	𐀠	YI SYLLABLE VO
A0F1	𐀡	YI SYLLABLE VOP
A0F2	𐀢	YI SYLLABLE VEX
A0F3	𐀣	YI SYLLABLE VEP
A0F4	𐀤	YI SYLLABLE VUT
A0F5	𐀥	YI SYLLABLE VUX
A0F6	𐀦	YI SYLLABLE VU
A0F7	𐀧	YI SYLLABLE VUP
A0F8	𐀨	YI SYLLABLE VURX
A0F9	𐀩	YI SYLLABLE VUR
A0FA	𐀪	YI SYLLABLE VYT
A0FB	𐀫	YI SYLLABLE VYX
A0FC	𐀬	YI SYLLABLE VY
A0FD	𐀭	YI SYLLABLE VYP
A0FE	𐀮	YI SYLLABLE VYRX
A0FF	𐀯	YI SYLLABLE VYR
A100	𐀰	YI SYLLABLE DIT
A101	𐀱	YI SYLLABLE DIX
A102	𐀲	YI SYLLABLE DI
A103	𐀳	YI SYLLABLE DIP
A104	𐀴	YI SYLLABLE DIX
A105	𐀵	YI SYLLABLE DIE
A106	𐀶	YI SYLLABLE DIEP
A107	𐀷	YI SYLLABLE DAT
A108	𐀸	YI SYLLABLE DAX
A109	𐀹	YI SYLLABLE DA
A10A	𐀺	YI SYLLABLE DAP
A10B	𐀻	YI SYLLABLE DUOX
A10C	𐀼	YI SYLLABLE DUO
A10D	𐀽	YI SYLLABLE DOT
A10E	𐀾	YI SYLLABLE DOX
A10F	𐀿	YI SYLLABLE DO
A110	𐁀	YI SYLLABLE DOP
A111	𐁁	YI SYLLABLE DEX
A112	𐁂	YI SYLLABLE DE
A113	𐁃	YI SYLLABLE DEP
A114	𐁄	YI SYLLABLE DUT
A115	𐁅	YI SYLLABLE DUX
A116	𐁆	YI SYLLABLE DU
A117	𐁇	YI SYLLABLE DUP
A118	𐁈	YI SYLLABLE DURX
A119	𐁉	YI SYLLABLE DUR
A11A	𐁊	YI SYLLABLE TIT
A11B	𐁋	YI SYLLABLE TIX
A11C	𐁌	YI SYLLABLE TI
A11D	𐁍	YI SYLLABLE TIP
A11E	𐁎	YI SYLLABLE TIEX
A11F	𐁏	YI SYLLABLE TIE
A120	𐁐	YI SYLLABLE TIEP
A121	𐁑	YI SYLLABLE TAT
A122	𐁒	YI SYLLABLE TAX
A123	𐁓	YI SYLLABLE TA
A124	𐁔	YI SYLLABLE TAP
A125	𐁕	YI SYLLABLE TUOT
A126	𐁖	YI SYLLABLE TUOX
A127	𐁗	YI SYLLABLE TUO
A128	𐁘	YI SYLLABLE TUOP
A129	𐁙	YI SYLLABLE TOT
A12A	𐁚	YI SYLLABLE TOX

A12B	𐁛	YI SYLLABLE TO
A12C	𐁜	YI SYLLABLE TOP
A12D	𐁝	YI SYLLABLE TEX
A12E	𐁞	YI SYLLABLE TE
A12F	𐁟	YI SYLLABLE TEP
A130	𐁠	YI SYLLABLE TUT
A131	𐁡	YI SYLLABLE TUX
A132	𐁢	YI SYLLABLE TU
A133	𐁣	YI SYLLABLE TUP
A134	𐁤	YI SYLLABLE TURX
A135	𐁥	YI SYLLABLE TUR
A136	𐁦	YI SYLLABLE DDIT
A137	𐁧	YI SYLLABLE DDIX
A138	𐁨	YI SYLLABLE DDI
A139	𐁩	YI SYLLABLE DDIP
A13A	𐁪	YI SYLLABLE DDIEX
A13B	𐁫	YI SYLLABLE DDIE
A13C	𐁬	YI SYLLABLE DDIEP
A13D	𐁭	YI SYLLABLE DDAT
A13E	𐁮	YI SYLLABLE DDAX
A13F	𐁯	YI SYLLABLE DDA
A140	𐁰	YI SYLLABLE DDAP
A141	𐁱	YI SYLLABLE DDUOX
A142	𐁲	YI SYLLABLE DDUO
A143	𐁳	YI SYLLABLE DDUOP
A144	𐁴	YI SYLLABLE DDOT
A145	𐁵	YI SYLLABLE DDOX
A146	𐁶	YI SYLLABLE DDO
A147	𐁷	YI SYLLABLE DDOP
A148	𐁸	YI SYLLABLE DDEX
A149	𐁹	YI SYLLABLE DDE
A14A	𐁺	YI SYLLABLE DDEP
A14B	𐁻	YI SYLLABLE DDUT
A14C	𐁼	YI SYLLABLE DDUX
A14D	𐁽	YI SYLLABLE DDU
A14E	𐁾	YI SYLLABLE DDUP
A14F	𐁿	YI SYLLABLE DDURX
A150	𐂀	YI SYLLABLE DDUR
A151	𐂁	YI SYLLABLE NDIT
A152	𐂂	YI SYLLABLE NDIX
A153	𐂃	YI SYLLABLE NDI
A154	𐂄	YI SYLLABLE NDIP
A155	𐂅	YI SYLLABLE NDIEX
A156	𐂆	YI SYLLABLE NDIE
A157	𐂇	YI SYLLABLE NDAT
A158	𐂈	YI SYLLABLE NDAX
A159	𐂉	YI SYLLABLE NDA
A15A	𐂊	YI SYLLABLE NDAP
A15B	𐂋	YI SYLLABLE NDOT
A15C	𐂌	YI SYLLABLE NDOX
A15D	𐂍	YI SYLLABLE NDO
A15E	𐂎	YI SYLLABLE NDOP
A15F	𐂏	YI SYLLABLE NDEX
A160	𐂐	YI SYLLABLE NDE
A161	𐂑	YI SYLLABLE NDEP
A162	𐂒	YI SYLLABLE NDUT
A163	𐂓	YI SYLLABLE NDUX
A164	𐂔	YI SYLLABLE NDU
A165	𐂕	YI SYLLABLE NDUP
A166	𐂖	YI SYLLABLE NDURX
A167	𐂗	YI SYLLABLE NDUR



A168	𐍯	YI SYLLABLE HNIT
A169	𐍰	YI SYLLABLE HNIX
A16A	𐍱	YI SYLLABLE HNI
A16B	𐍲	YI SYLLABLE HNIP
A16C	𐍳	YI SYLLABLE HNIET
A16D	𐍴	YI SYLLABLE HNIEX
A16E	𐍵	YI SYLLABLE HNIE
A16F	𐍶	YI SYLLABLE HNIEP
A170	𐍷	YI SYLLABLE HNAT
A171	𐍸	YI SYLLABLE HNAX
A172	𐍹	YI SYLLABLE HNA
A173	𐍺	YI SYLLABLE HNAP
A174	𐍻	YI SYLLABLE HNUOX
A175	𐍼	YI SYLLABLE HNUO
A176	𐍽	YI SYLLABLE HNOT
A177	𐍾	YI SYLLABLE HNOX
A178	𐍿	YI SYLLABLE HNOP
A179	𐎀	YI SYLLABLE HNEX
A17A	𐎁	YI SYLLABLE HNE
A17B	𐎂	YI SYLLABLE HNEP
A17C	𐎃	YI SYLLABLE HNUT
A17D	𐎄	YI SYLLABLE NIT
A17E	𐎅	YI SYLLABLE NIX
A17F	𐎆	YI SYLLABLE NI
A180	𐎇	YI SYLLABLE NIP
A181	𐎈	YI SYLLABLE NIEX
A182	𐎉	YI SYLLABLE NIE
A183	𐎊	YI SYLLABLE NIEP
A184	𐎋	YI SYLLABLE NAX
A185	𐎌	YI SYLLABLE NA
A186	𐎍	YI SYLLABLE NAP
A187	𐎎	YI SYLLABLE NUOX
A188	𐎏	YI SYLLABLE NUO
A189	𐎐	YI SYLLABLE NUOP
A18A	𐎑	YI SYLLABLE NOT
A18B	𐎒	YI SYLLABLE NOX
A18C	𐎓	YI SYLLABLE NO
A18D	𐎔	YI SYLLABLE NOP
A18E	𐎕	YI SYLLABLE NEX
A18F	𐎖	YI SYLLABLE NE
A190	𐎗	YI SYLLABLE NEP
A191	𐎘	YI SYLLABLE NUT
A192	𐎙	YI SYLLABLE NUX
A193	𐎚	YI SYLLABLE NU
A194	𐎛	YI SYLLABLE NUP
A195	𐎜	YI SYLLABLE NURX
A196	𐎝	YI SYLLABLE NUR
A197	𐎞	YI SYLLABLE HLIT
A198	𐎟	YI SYLLABLE HLIX
A199	𐎠	YI SYLLABLE HLI
A19A	𐎡	YI SYLLABLE HLIIP
A19B	𐎢	YI SYLLABLE HLIEX
A19C	𐎣	YI SYLLABLE HLI
A19D	𐎤	YI SYLLABLE HLIEP
A19E	𐎥	YI SYLLABLE HLAT
A19F	𐎦	YI SYLLABLE HLAX
A1A0	𐎧	YI SYLLABLE HLA
A1A1	𐎨	YI SYLLABLE H LAP
A1A2	𐎩	YI SYLLABLE HLUOX
A1A3	𐎪	YI SYLLABLE HLUO
A1A4	𐎫	YI SYLLABLE HLUOP

A1A5	𐎬	YI SYLLABLE HLOX
A1A6	𐎭	YI SYLLABLE HLO
A1A7	𐎮	YI SYLLABLE HLOP
A1A8	𐎯	YI SYLLABLE HLEX
A1A9	𐎰	YI SYLLABLE HLE
A1AA	𐎱	YI SYLLABLE HLEP
A1AB	𐎲	YI SYLLABLE HLUT
A1AC	𐎳	YI SYLLABLE HLUX
A1AD	𐎴	YI SYLLABLE HLU
A1AE	𐎵	YI SYLLABLE HLUP
A1AF	𐎶	YI SYLLABLE HLURX
A1B0	𐎷	YI SYLLABLE HLUR
A1B1	𐎸	YI SYLLABLE HLYT
A1B2	𐎹	YI SYLLABLE HLYX
A1B3	𐎺	YI SYLLABLE HLY
A1B4	𐎻	YI SYLLABLE HLYP
A1B5	𐎼	YI SYLLABLE HLYRX
A1B6	𐎽	YI SYLLABLE HLYR
A1B7	𐎾	YI SYLLABLE LIT
A1B8	𐎿	YI SYLLABLE LIX
A1B9	𐏀	YI SYLLABLE LI
A1BA	𐏁	YI SYLLABLE LIP
A1BB	𐏂	YI SYLLABLE LIET
A1BC	𐏃	YI SYLLABLE LIEX
A1BD	𐏄	YI SYLLABLE LIE
A1BE	𐏅	YI SYLLABLE LIEP
A1BF	𐏆	YI SYLLABLE LAT
A1C0	𐏇	YI SYLLABLE LAX
A1C1	𐏈	YI SYLLABLE LA
A1C2	𐏉	YI SYLLABLE LAP
A1C3	𐏊	YI SYLLABLE LUOT
A1C4	𐏋	YI SYLLABLE LUOX
A1C5	𐏌	YI SYLLABLE LUO
A1C6	𐏍	YI SYLLABLE LUOP
A1C7	𐏎	YI SYLLABLE LOT
A1C8	𐏏	YI SYLLABLE LOX
A1C9	𐏐	YI SYLLABLE LO
A1CA	𐏑	YI SYLLABLE LOP
A1CB	𐏒	YI SYLLABLE LEX
A1CC	𐏓	YI SYLLABLE LE
A1CD	𐏔	YI SYLLABLE LEP
A1CE	𐏕	YI SYLLABLE LUT
A1CF	𐏖	YI SYLLABLE LUX
A1D0	𐏗	YI SYLLABLE LU
A1D1	𐏘	YI SYLLABLE LUP
A1D2	𐏙	YI SYLLABLE LURX
A1D3	𐏚	YI SYLLABLE LUR
A1D4	𐏛	YI SYLLABLE LYT
A1D5	𐏜	YI SYLLABLE LYX
A1D6	𐏝	YI SYLLABLE LY
A1D7	𐏞	YI SYLLABLE LYP
A1D8	𐏟	YI SYLLABLE LYRX
A1D9	𐏠	YI SYLLABLE LYR
A1DA	𐏡	YI SYLLABLE GIT
A1DB	𐏢	YI SYLLABLE GIX
A1DC	𐏣	YI SYLLABLE GI
A1DD	𐏤	YI SYLLABLE GIP
A1DE	𐏥	YI SYLLABLE GIET
A1DF	𐏦	YI SYLLABLE GIEX
A1E0	𐏧	YI SYLLABLE GIE
A1E1	𐏨	YI SYLLABLE GIEP

A1E2 𐄂 YI SYLLABLE GAT  
 A1E3 𐄃 YI SYLLABLE GAX  
 A1E4 𐄄 YI SYLLABLE GA  
 A1E5 𐄅 YI SYLLABLE GAP  
 A1E6 𐄆 YI SYLLABLE GUOT  
 A1E7 𐄇 YI SYLLABLE GUOX  
 A1E8 𐄈 YI SYLLABLE GUO  
 A1E9 𐄉 YI SYLLABLE GUOP  
 A1EA 𐄊 YI SYLLABLE GOT  
 A1EB 𐄋 YI SYLLABLE GOX  
 A1EC 𐄌 YI SYLLABLE GO  
 A1ED 𐄍 YI SYLLABLE GOP  
 A1EE 𐄎 YI SYLLABLE GET  
 A1EF 𐄏 YI SYLLABLE GEX  
 A1F0 𐄐 YI SYLLABLE GE  
 A1F1 𐄑 YI SYLLABLE GEP  
 A1F2 𐄒 YI SYLLABLE GUT  
 A1F3 𐄓 YI SYLLABLE GUX  
 A1F4 𐄔 YI SYLLABLE GU  
 A1F5 𐄕 YI SYLLABLE GUP  
 A1F6 𐄖 YI SYLLABLE GURX  
 A1F7 𐄗 YI SYLLABLE GUR  
 A1F8 𐄘 YI SYLLABLE KIT  
 A1F9 𐄙 YI SYLLABLE KIX  
 A1FA 𐄚 YI SYLLABLE KI  
 A1FB 𐄛 YI SYLLABLE KIP  
 A1FC 𐄜 YI SYLLABLE KIEX  
 A1FD 𐄝 YI SYLLABLE KIE  
 A1FE 𐄞 YI SYLLABLE KIEP  
 A1FF 𐄟 YI SYLLABLE KAT  
 A200 𐄠 YI SYLLABLE KAX  
 A201 𐄡 YI SYLLABLE KA  
 A202 𐄢 YI SYLLABLE KAP  
 A203 𐄣 YI SYLLABLE KUOX  
 A204 𐄤 YI SYLLABLE KUO  
 A205 𐄥 YI SYLLABLE KUOP  
 A206 𐄦 YI SYLLABLE KOT  
 A207 𐄧 YI SYLLABLE KOX  
 A208 𐄨 YI SYLLABLE KO  
 A209 𐄩 YI SYLLABLE KOP  
 A20A 𐄪 YI SYLLABLE KET  
 A20B 𐄫 YI SYLLABLE KEX  
 A20C 𐄬 YI SYLLABLE KE  
 A20D 𐄭 YI SYLLABLE KEP  
 A20E 𐄮 YI SYLLABLE KUT  
 A20F 𐄯 YI SYLLABLE KUX  
 A210 𐄰 YI SYLLABLE KU  
 A211 𐄱 YI SYLLABLE KUP  
 A212 𐄲 YI SYLLABLE KURX  
 A213 𐄳 YI SYLLABLE KUR  
 A214 𐄴 YI SYLLABLE GGIT  
 A215 𐄵 YI SYLLABLE GGIX  
 A216 𐄶 YI SYLLABLE GGI  
 A217 𐄷 YI SYLLABLE GGIEX  
 A218 𐄸 YI SYLLABLE GGIE  
 A219 𐄹 YI SYLLABLE GGIEP  
 A21A 𐄺 YI SYLLABLE GGAT  
 A21B 𐄻 YI SYLLABLE GGAX  
 A21C 𐄼 YI SYLLABLE GGA  
 A21D 𐄽 YI SYLLABLE GGAP  
 A21E 𐄾 YI SYLLABLE GGUOT

A21F 𐄿 YI SYLLABLE GGUOX  
 A220 𐅀 YI SYLLABLE GGUO  
 A221 𐅁 YI SYLLABLE GGUOP  
 A222 𐅂 YI SYLLABLE GGOT  
 A223 𐅃 YI SYLLABLE GGOX  
 A224 𐅄 YI SYLLABLE GGO  
 A225 𐅅 YI SYLLABLE GGOP  
 A226 𐅆 YI SYLLABLE GGET  
 A227 𐅇 YI SYLLABLE GGEX  
 A228 𐅈 YI SYLLABLE GGE  
 A229 𐅉 YI SYLLABLE GGEP  
 A22A 𐅊 YI SYLLABLE GGUT  
 A22B 𐅋 YI SYLLABLE GGUX  
 A22C 𐅌 YI SYLLABLE GGU  
 A22D 𐅍 YI SYLLABLE GGUP  
 A22E 𐅎 YI SYLLABLE GGURX  
 A22F 𐅏 YI SYLLABLE GGUR  
 A230 𐅐 YI SYLLABLE MGIEX  
 A231 𐅑 YI SYLLABLE MGIE  
 A232 𐅒 YI SYLLABLE MGAT  
 A233 𐅓 YI SYLLABLE MGAX  
 A234 𐅔 YI SYLLABLE MGA  
 A235 𐅕 YI SYLLABLE MGAP  
 A236 𐅖 YI SYLLABLE MGUOX  
 A237 𐅗 YI SYLLABLE MGUO  
 A238 𐅘 YI SYLLABLE MGUOP  
 A239 𐅙 YI SYLLABLE MGOT  
 A23A 𐅚 YI SYLLABLE MGOX  
 A23B 𐅛 YI SYLLABLE MGO  
 A23C 𐅜 YI SYLLABLE MGOP  
 A23D 𐅝 YI SYLLABLE MGEX  
 A23E 𐅞 YI SYLLABLE MGE  
 A23F 𐅟 YI SYLLABLE MGEP  
 A240 𐅠 YI SYLLABLE MGUT  
 A241 𐅡 YI SYLLABLE MGUX  
 A242 𐅢 YI SYLLABLE MGU  
 A243 𐅣 YI SYLLABLE MGUP  
 A244 𐅤 YI SYLLABLE MGURX  
 A245 𐅥 YI SYLLABLE MGUR  
 A246 𐅦 YI SYLLABLE HXIT  
 A247 𐅧 YI SYLLABLE HXIX  
 A248 𐅨 YI SYLLABLE HXI  
 A249 𐅩 YI SYLLABLE HXIP  
 A24A 𐅪 YI SYLLABLE HXIET  
 A24B 𐅫 YI SYLLABLE HXIEX  
 A24C 𐅬 YI SYLLABLE HXIE  
 A24D 𐅭 YI SYLLABLE HXIEP  
 A24E 𐅮 YI SYLLABLE HXAT  
 A24F 𐅯 YI SYLLABLE HXAX  
 A250 𐅰 YI SYLLABLE HXA  
 A251 𐅱 YI SYLLABLE HXAP  
 A252 𐅲 YI SYLLABLE HXUOT  
 A253 𐅳 YI SYLLABLE HXUOX  
 A254 𐅴 YI SYLLABLE HXUO  
 A255 𐅵 YI SYLLABLE HXUOP  
 A256 𐅶 YI SYLLABLE HXOT  
 A257 𐅷 YI SYLLABLE HXOX  
 A258 𐅸 YI SYLLABLE HXO  
 A259 𐅹 YI SYLLABLE HXOP  
 A25A 𐅺 YI SYLLABLE HXEX  
 A25B 𐅻 YI SYLLABLE HXE

A25C	𪗇	YI SYLLABLE HXEP	A299	𪗇	YI SYLLABLE ZUO
A25D	𪗈	YI SYLLABLE NGIEX	A29A	𪗈	YI SYLLABLE ZUOP
A25E	𪗉	YI SYLLABLE NGIE	A29B	𪗉	YI SYLLABLE ZOT
A25F	𪗊	YI SYLLABLE NGIEP	A29C	𪗊	YI SYLLABLE ZOX
A260	𪗋	YI SYLLABLE NGAT	A29D	𪗋	YI SYLLABLE ZO
A261	𪗌	YI SYLLABLE NGAX	A29E	𪗌	YI SYLLABLE ZOP
A262	𪗍	YI SYLLABLE NGA	A29F	𪗍	YI SYLLABLE ZEX
A263	𪗎	YI SYLLABLE NGAP	A2A0	𪗎	YI SYLLABLE ZE
A264	𪗏	YI SYLLABLE NGUOT	A2A1	𪗏	YI SYLLABLE ZEP
A265	𪗐	YI SYLLABLE NGUOX	A2A2	𪗐	YI SYLLABLE ZUT
A266	𪗑	YI SYLLABLE NGUO	A2A3	𪗑	YI SYLLABLE ZUX
A267	𪗒	YI SYLLABLE NGOT	A2A4	𪗒	YI SYLLABLE ZU
A268	𪗓	YI SYLLABLE NGOX	A2A5	𪗓	YI SYLLABLE ZUP
A269	𪗔	YI SYLLABLE NGO	A2A6	𪗔	YI SYLLABLE ZURX
A26A	𪗕	YI SYLLABLE NGOP	A2A7	𪗕	YI SYLLABLE ZUR
A26B	𪗖	YI SYLLABLE NGEX	A2A8	𪗖	YI SYLLABLE ZYT
A26C	𪗗	YI SYLLABLE NGE	A2A9	𪗗	YI SYLLABLE ZYX
A26D	𪗘	YI SYLLABLE NGEP	A2AA	𪗘	YI SYLLABLE ZY
A26E	𪗙	YI SYLLABLE HIT	A2AB	𪗙	YI SYLLABLE ZYP
A26F	𪗚	YI SYLLABLE HIEX	A2AC	𪗚	YI SYLLABLE ZYRX
A270	𪗛	YI SYLLABLE HIE	A2AD	𪗛	YI SYLLABLE ZYR
A271	𪗜	YI SYLLABLE HAT	A2AE	𪗜	YI SYLLABLE CIT
A272	𪗝	YI SYLLABLE HAX	A2AF	𪗝	YI SYLLABLE CIX
A273	𪗞	YI SYLLABLE HA	A2B0	𪗞	YI SYLLABLE CI
A274	𪗟	YI SYLLABLE HAP	A2B1	𪗟	YI SYLLABLE CIP
A275	𪗠	YI SYLLABLE HUOT	A2B2	𪗠	YI SYLLABLE CIET
A276	𪗡	YI SYLLABLE HUOX	A2B3	𪗡	YI SYLLABLE CIEX
A277	𪗢	YI SYLLABLE HUO	A2B4	𪗢	YI SYLLABLE CIE
A278	𪗣	YI SYLLABLE HUOP	A2B5	𪗣	YI SYLLABLE CIEP
A279	𪗤	YI SYLLABLE HOT	A2B6	𪗤	YI SYLLABLE CAT
A27A	𪗥	YI SYLLABLE HOX	A2B7	𪗥	YI SYLLABLE CAX
A27B	𪗦	YI SYLLABLE HO	A2B8	𪗦	YI SYLLABLE CA
A27C	𪗧	YI SYLLABLE HOP	A2B9	𪗧	YI SYLLABLE CAP
A27D	𪗨	YI SYLLABLE HEX	A2BA	𪗨	YI SYLLABLE CUOX
A27E	𪗩	YI SYLLABLE HE	A2BB	𪗩	YI SYLLABLE CUO
A27F	𪗪	YI SYLLABLE HEP	A2BC	𪗪	YI SYLLABLE CUOP
A280	𪗫	YI SYLLABLE WAT	A2BD	𪗫	YI SYLLABLE COT
A281	𪗬	YI SYLLABLE WAX	A2BE	𪗬	YI SYLLABLE COX
A282	𪗭	YI SYLLABLE WA	A2BF	𪗭	YI SYLLABLE CO
A283	𪗮	YI SYLLABLE WAP	A2C0	𪗮	YI SYLLABLE COP
A284	𪗯	YI SYLLABLE WUOX	A2C1	𪗯	YI SYLLABLE CEX
A285	𪗰	YI SYLLABLE WUO	A2C2	𪗰	YI SYLLABLE CE
A286	𪗱	YI SYLLABLE WUOP	A2C3	𪗱	YI SYLLABLE CEP
A287	𪗲	YI SYLLABLE WOX	A2C4	𪗲	YI SYLLABLE CUT
A288	𪗳	YI SYLLABLE WO	A2C5	𪗳	YI SYLLABLE CUX
A289	𪗴	YI SYLLABLE WOP	A2C6	𪗴	YI SYLLABLE CU
A28A	𪗵	YI SYLLABLE WEX	A2C7	𪗵	YI SYLLABLE CUP
A28B	𪗶	YI SYLLABLE WE	A2C8	𪗶	YI SYLLABLE CURX
A28C	𪗷	YI SYLLABLE WEP	A2C9	𪗷	YI SYLLABLE CUR
A28D	𪗸	YI SYLLABLE ZIT	A2CA	𪗸	YI SYLLABLE CYT
A28E	𪗹	YI SYLLABLE ZIX	A2CB	𪗹	YI SYLLABLE CYX
A28F	𪗺	YI SYLLABLE ZI	A2CC	𪗺	YI SYLLABLE CY
A290	𪗻	YI SYLLABLE ZIP	A2CD	𪗻	YI SYLLABLE CYP
A291	𪗼	YI SYLLABLE ZIEX	A2CE	𪗼	YI SYLLABLE CYRX
A292	𪗽	YI SYLLABLE ZIE	A2CF	𪗽	YI SYLLABLE CYR
A293	𪗾	YI SYLLABLE ZIEP	A2D0	𪗾	YI SYLLABLE ZZIT
A294	𪗿	YI SYLLABLE ZAT	A2D1	𪗿	YI SYLLABLE ZZIX
A295	𪘀	YI SYLLABLE ZAX	A2D2	𪘀	YI SYLLABLE ZZI
A296	𪘁	YI SYLLABLE ZA	A2D3	𪘁	YI SYLLABLE ZZIP
A297	𪘂	YI SYLLABLE ZAP	A2D4	𪘂	YI SYLLABLE ZZIET
A298	𪘃	YI SYLLABLE ZUOX	A2D5	𪘃	YI SYLLABLE ZZIEX

A2D6	𐀓	YI SYLLABLE ZZIE
A2D7	𐀔	YI SYLLABLE ZZIEP
A2D8	𐀕	YI SYLLABLE ZZAT
A2D9	𐀖	YI SYLLABLE ZZAX
A2DA	𐀗	YI SYLLABLE ZZA
A2DB	𐀘	YI SYLLABLE ZZAP
A2DC	𐀙	YI SYLLABLE ZZOX
A2DD	𐀚	YI SYLLABLE ZZO
A2DE	𐀛	YI SYLLABLE ZZOP
A2DF	𐀜	YI SYLLABLE ZZEX
A2E0	𐀝	YI SYLLABLE ZZE
A2E1	𐀞	YI SYLLABLE ZZEP
A2E2	𐀟	YI SYLLABLE ZZUX
A2E3	𐀠	YI SYLLABLE ZZU
A2E4	𐀡	YI SYLLABLE ZZUP
A2E5	𐀢	YI SYLLABLE ZZURX
A2E6	𐀣	YI SYLLABLE ZZUR
A2E7	𐀤	YI SYLLABLE ZZYT
A2E8	𐀥	YI SYLLABLE ZZYX
A2E9	𐀦	YI SYLLABLE ZZY
A2EA	𐀧	YI SYLLABLE ZZYP
A2EB	𐀨	YI SYLLABLE ZZYRX
A2EC	𐀩	YI SYLLABLE ZZYR
A2ED	𐀪	YI SYLLABLE NZIT
A2EE	𐀫	YI SYLLABLE NZIX
A2EF	𐀬	YI SYLLABLE NZI
A2F0	𐀭	YI SYLLABLE NZIP
A2F1	𐀮	YI SYLLABLE NZIEX
A2F2	𐀯	YI SYLLABLE NZIE
A2F3	𐀰	YI SYLLABLE NZIEP
A2F4	𐀱	YI SYLLABLE NZAT
A2F5	𐀲	YI SYLLABLE NZAX
A2F6	𐀳	YI SYLLABLE NZA
A2F7	𐀴	YI SYLLABLE NZAP
A2F8	𐀵	YI SYLLABLE NZUOX
A2F9	𐀶	YI SYLLABLE NZUO
A2FA	𐀷	YI SYLLABLE NZOX
A2FB	𐀸	YI SYLLABLE NZOP
A2FC	𐀹	YI SYLLABLE NZEX
A2FD	𐀺	YI SYLLABLE NZE
A2FE	𐀻	YI SYLLABLE NZUX
A2FF	𐀼	YI SYLLABLE NZU
A300	𐀽	YI SYLLABLE NZUP
A301	𐀾	YI SYLLABLE NZURX
A302	𐀿	YI SYLLABLE NZUR
A303	𐁀	YI SYLLABLE NZYT
A304	𐁁	YI SYLLABLE NZYX
A305	𐁂	YI SYLLABLE NZY
A306	𐁃	YI SYLLABLE NZYP
A307	𐁄	YI SYLLABLE NZYRX
A308	𐁅	YI SYLLABLE NZYR
A309	𐁆	YI SYLLABLE SIT
A30A	𐁇	YI SYLLABLE SIX
A30B	𐁈	YI SYLLABLE SI
A30C	𐁉	YI SYLLABLE SIP
A30D	𐁊	YI SYLLABLE SIEX
A30E	𐁋	YI SYLLABLE SIE
A30F	𐁌	YI SYLLABLE SIEP
A310	𐁍	YI SYLLABLE SAT
A311	𐁎	YI SYLLABLE SAX
A312	𐁏	YI SYLLABLE SA

A313	𐁐	YI SYLLABLE SAP
A314	𐁑	YI SYLLABLE SUOX
A315	𐁒	YI SYLLABLE SUO
A316	𐁓	YI SYLLABLE SUOP
A317	𐁔	YI SYLLABLE SOT
A318	𐁕	YI SYLLABLE SOX
A319	𐁖	YI SYLLABLE SO
A31A	𐁗	YI SYLLABLE SOP
A31B	𐁘	YI SYLLABLE SEX
A31C	𐁙	YI SYLLABLE SE
A31D	𐁚	YI SYLLABLE SEP
A31E	𐁛	YI SYLLABLE SUT
A31F	𐁜	YI SYLLABLE SUX
A320	𐁝	YI SYLLABLE SU
A321	𐁞	YI SYLLABLE SUP
A322	𐁟	YI SYLLABLE SURX
A323	𐁠	YI SYLLABLE SUR
A324	𐁡	YI SYLLABLE SYT
A325	𐁢	YI SYLLABLE SYX
A326	𐁣	YI SYLLABLE SY
A327	𐁤	YI SYLLABLE SYP
A328	𐁥	YI SYLLABLE SYRX
A329	𐁦	YI SYLLABLE SYR
A32A	𐁧	YI SYLLABLE SSIT
A32B	𐁨	YI SYLLABLE SSIX
A32C	𐁩	YI SYLLABLE SSI
A32D	𐁪	YI SYLLABLE SSIP
A32E	𐁫	YI SYLLABLE SSIEX
A32F	𐁬	YI SYLLABLE SSIE
A330	𐁭	YI SYLLABLE SSIEP
A331	𐁮	YI SYLLABLE SSAT
A332	𐁯	YI SYLLABLE SSAX
A333	𐁰	YI SYLLABLE SSA
A334	𐁱	YI SYLLABLE SSAP
A335	𐁲	YI SYLLABLE SSOT
A336	𐁳	YI SYLLABLE SSOX
A337	𐁴	YI SYLLABLE SSO
A338	𐁵	YI SYLLABLE SSOP
A339	𐁶	YI SYLLABLE SSEX
A33A	𐁷	YI SYLLABLE SSE
A33B	𐁸	YI SYLLABLE SSEP
A33C	𐁹	YI SYLLABLE SSUT
A33D	𐁺	YI SYLLABLE SSUX
A33E	𐁻	YI SYLLABLE SSU
A33F	𐁼	YI SYLLABLE SSUP
A340	𐁽	YI SYLLABLE SSYT
A341	𐁾	YI SYLLABLE SSYX
A342	𐁿	YI SYLLABLE SSY
A343	𐂀	YI SYLLABLE SSYR
A344	𐂁	YI SYLLABLE SSYRX
A345	𐂂	YI SYLLABLE SSYR
A346	𐂃	YI SYLLABLE ZHAT
A347	𐂄	YI SYLLABLE ZHAX
A348	𐂅	YI SYLLABLE ZHA
A349	𐂆	YI SYLLABLE ZHAP
A34A	𐂇	YI SYLLABLE ZHUOX
A34B	𐂈	YI SYLLABLE ZHUO
A34C	𐂉	YI SYLLABLE ZHUOP
A34D	𐂊	YI SYLLABLE ZHOT
A34E	𐂋	YI SYLLABLE ZHOX
A34F	𐂌	YI SYLLABLE ZHO

A350	𞰶	YI SYLLABLE ZHOP
A351	𞰷	YI SYLLABLE ZHET
A352	𞰸	YI SYLLABLE ZHEX
A353	𞰹	YI SYLLABLE ZHE
A354	𞰺	YI SYLLABLE ZHEP
A355	𞰻	YI SYLLABLE ZHUT
A356	𞰼	YI SYLLABLE ZHUX
A357	𞰽	YI SYLLABLE ZHU
A358	𞰾	YI SYLLABLE ZHUP
A359	𞰿	YI SYLLABLE ZHURX
A35A	𞱀	YI SYLLABLE ZHUR
A35B	𞱁	YI SYLLABLE ZHYT
A35C	𞱂	YI SYLLABLE ZHYX
A35D	𞱃	YI SYLLABLE ZHY
A35E	𞱄	YI SYLLABLE ZHYP
A35F	𞱅	YI SYLLABLE ZHYRX
A360	𞱆	YI SYLLABLE ZHYR
A361	𞱇	YI SYLLABLE ZCHAT
A362	𞱈	YI SYLLABLE CHAX
A363	𞱉	YI SYLLABLE CHA
A364	𞱊	YI SYLLABLE CHAP
A365	𞱋	YI SYLLABLE CHUOT
A366	𞱌	YI SYLLABLE CHUOX
A367	𞱍	YI SYLLABLE CHUO
A368	𞱎	YI SYLLABLE CHUOP
A369	𞱏	YI SYLLABLE CHOT
A36A	𞱐	YI SYLLABLE CHOX
A36B	𞱑	YI SYLLABLE CHO
A36C	𞱒	YI SYLLABLE CHOP
A36D	𞱓	YI SYLLABLE CHET
A36E	𞱔	YI SYLLABLE CHEX
A36F	𞱕	YI SYLLABLE CHE
A370	𞱖	YI SYLLABLE CHEP
A371	𞱗	YI SYLLABLE CHUX
A372	𞱘	YI SYLLABLE CHU
A373	𞱙	YI SYLLABLE CHUP
A374	𞱚	YI SYLLABLE CHURX
A375	𞱛	YI SYLLABLE CHUR
A376	𞱜	YI SYLLABLE CHYT
A377	𞱝	YI SYLLABLE CHYX
A378	𞱞	YI SYLLABLE CHY
A379	𞱟	YI SYLLABLE CHYP
A37A	𞱠	YI SYLLABLE CHYRX
A37B	𞱡	YI SYLLABLE CHYR
A37C	𞱢	YI SYLLABLE RRAX
A37D	𞱣	YI SYLLABLE RRA
A37E	𞱤	YI SYLLABLE RRUOX
A37F	𞱥	YI SYLLABLE RRUO
A380	𞱦	YI SYLLABLE RROT
A381	𞱧	YI SYLLABLE RROX
A382	𞱨	YI SYLLABLE RRO
A383	𞱩	YI SYLLABLE RROP
A384	𞱪	YI SYLLABLE RRET
A385	𞱫	YI SYLLABLE RREX
A386	𞱬	YI SYLLABLE RRE
A387	𞱭	YI SYLLABLE RREP
A388	𞱮	YI SYLLABLE RRUT
A389	𞱯	YI SYLLABLE RRUX
A38A	𞱰	YI SYLLABLE RRU
A38B	𞱱	YI SYLLABLE RRUP
A38C	𞱲	YI SYLLABLE RRURX

































































A38D	𞱳	YI SYLLABLE RRUR
A38E	𞱴	YI SYLLABLE RRYT
A38F	𞱵	YI SYLLABLE RRYX
A390	𞱶	YI SYLLABLE RRY
A391	𞱷	YI SYLLABLE RRYP
A392	𞱸	YI SYLLABLE RRYRX
A393	𞱹	YI SYLLABLE RRYR
A394	𞱺	YI SYLLABLE NRAT
A395	𞱻	YI SYLLABLE NRAX
A396	𞱼	YI SYLLABLE NRA
A397	𞱽	YI SYLLABLE NRAP
A398	𞱾	YI SYLLABLE NROX
A399	𞱿	YI SYLLABLE NRO
A39A	𞲀	YI SYLLABLE NROP
A39B	𞲁	YI SYLLABLE NRET
A39C	𞲂	YI SYLLABLE NREX
A39D	𞲃	YI SYLLABLE NRE
A39E	𞲄	YI SYLLABLE NREP
A39F	𞲅	YI SYLLABLE NRUT
A3A0	𞲆	YI SYLLABLE NRUX
A3A1	𞲇	YI SYLLABLE NRU
A3A2	𞲈	YI SYLLABLE NRUP
A3A3	𞲉	YI SYLLABLE NRURX
A3A4	𞲊	YI SYLLABLE NRUR
A3A5	𞲋	YI SYLLABLE NRYT
A3A6	𞲌	YI SYLLABLE NRYX
A3A7	𞲍	YI SYLLABLE NRY
A3A8	𞲎	YI SYLLABLE NRYP
A3A9	𞲏	YI SYLLABLE NRYRX
A3AA	𞲐	YI SYLLABLE NRYR
A3AB	𞲑	YI SYLLABLE SHAT
A3AC	𞲒	YI SYLLABLE SHAX
A3AD	𞲓	YI SYLLABLE SHA
A3AE	𞲔	YI SYLLABLE SHAP
A3AF	𞲕	YI SYLLABLE SHUOX
A3B0	𞲖	YI SYLLABLE SHUO
A3B1	𞲗	YI SYLLABLE SHUOP
A3B2	𞲘	YI SYLLABLE SHOT
A3B3	𞲙	YI SYLLABLE SHOX
A3B4	𞲚	YI SYLLABLE SHO
A3B5	𞲛	YI SYLLABLE SHOP
A3B6	𞲜	YI SYLLABLE SHET
A3B7	𞲝	YI SYLLABLE SHEX
A3B8	𞲞	YI SYLLABLE SHE
A3B9	𞲟	YI SYLLABLE SHEP
A3BA	𞲠	YI SYLLABLE SHUT
A3BB	𞲡	YI SYLLABLE SHUX
A3BC	𞲢	YI SYLLABLE SHU
A3BD	𞲣	YI SYLLABLE SHUP
A3BE	𞲤	YI SYLLABLE SHURX
A3BF	𞲥	YI SYLLABLE SHUR
A3C0	𞲦	YI SYLLABLE SHYT
A3C1	𞲧	YI SYLLABLE SHYX
A3C2	𞲨	YI SYLLABLE SHY
A3C3	𞲩	YI SYLLABLE SHYP
A3C4	𞲪	YI SYLLABLE SHYRX
A3C5	𞲫	YI SYLLABLE SHYR
A3C6	𞲬	YI SYLLABLE RAT
A3C7	𞲭	YI SYLLABLE RAX
A3C8	𞲮	YI SYLLABLE RA
A3C9	𞲯	YI SYLLABLE RAP

A3CA 𐀀 YI SYLLABLE RUOX  
 A3CB 𐀁 YI SYLLABLE RUO  
 A3CC 𐀂 YI SYLLABLE RUOP  
 A3CD 𐀃 YI SYLLABLE ROT  
 A3CE 𐀄 YI SYLLABLE ROX  
 A3CF 𐀅 YI SYLLABLE RO  
 A3D0 𐀆 YI SYLLABLE ROP  
 A3D1 𐀇 YI SYLLABLE REX  
 A3D2 𐀈 YI SYLLABLE RE  
 A3D3 𐀉 YI SYLLABLE REP  
 A3D4 𐀊 YI SYLLABLE RUT  
 A3D5 𐀋 YI SYLLABLE RUX  
 A3D6 𐀌 YI SYLLABLE RU  
 A3D7 𐀍 YI SYLLABLE RUP  
 A3D8 𐀎 YI SYLLABLE RURX  
 A3D9 𐀏 YI SYLLABLE RUR  
 A3DA 𐀐 YI SYLLABLE RYT  
 A3DB 𐀑 YI SYLLABLE RYX  
 A3DC 𐀒 YI SYLLABLE RY  
 A3DD 𐀓 YI SYLLABLE RYP  
 A3DE 𐀔 YI SYLLABLE RYRX  
 A3DF 𐀕 YI SYLLABLE RYR  
 A3E0 𐀖 YI SYLLABLE JIT  
 A3E1 𐀗 YI SYLLABLE JIX  
 A3E2 𐀘 YI SYLLABLE JI  
 A3E3 𐀙 YI SYLLABLE JIP  
 A3E4 𐀚 YI SYLLABLE JIET  
 A3E5 𐀛 YI SYLLABLE JIEX  
 A3E6 𐀜 YI SYLLABLE JIE  
 A3E7 𐀝 YI SYLLABLE JIEP  
 A3E8 𐀞 YI SYLLABLE JUOT  
 A3E9 𐀟 YI SYLLABLE JUOX  
 A3EA 𐀠 YI SYLLABLE JUO  
 A3EB 𐀡 YI SYLLABLE JUOP  
 A3EC 𐀢 YI SYLLABLE JOT  
 A3ED 𐀣 YI SYLLABLE JOX  
 A3EE 𐀤 YI SYLLABLE JO  
 A3EF 𐀥 YI SYLLABLE JOP  
 A3F0 𐀦 YI SYLLABLE JUT  
 A3F1 𐀧 YI SYLLABLE JUX  
 A3F2 𐀨 YI SYLLABLE JU  
 A3F3 𐀩 YI SYLLABLE JUP  
 A3F4 𐀪 YI SYLLABLE JURX  
 A3F5 𐀫 YI SYLLABLE JUR  
 A3F6 𐀬 YI SYLLABLE JYT  
 A3F7 𐀭 YI SYLLABLE JYX  
 A3F8 𐀮 YI SYLLABLE JY  
 A3F9 𐀯 YI SYLLABLE JYP  
 A3FA 𐀰 YI SYLLABLE JYRX  
 A3FB 𐀱 YI SYLLABLE JYR  
 A3FC 𐀲 YI SYLLABLE QIT  
 A3FD 𐀳 YI SYLLABLE QIX  
 A3FE 𐀴 YI SYLLABLE QI  
 A3FF 𐀵 YI SYLLABLE QIP  
 A400 𐀶 YI SYLLABLE QIET  
 A401 𐀷 YI SYLLABLE QIEX  
 A402 𐀸 YI SYLLABLE QIE  
 A403 𐀹 YI SYLLABLE QIEP  
 A404 𐀺 YI SYLLABLE QUOT  
 A405 𐀻 YI SYLLABLE QUOX  
 A406 𐀼 YI SYLLABLE QUO

A407 𐀽 YI SYLLABLE QUOP  
 A408 𐀾 YI SYLLABLE QOT  
 A409 𐀿 YI SYLLABLE QOX  
 A40A 𐁀 YI SYLLABLE QO  
 A40B 𐁁 YI SYLLABLE QOP  
 A40C 𐁂 YI SYLLABLE QUT  
 A40D 𐁃 YI SYLLABLE QUX  
 A40E 𐁄 YI SYLLABLE QU  
 A40F 𐁅 YI SYLLABLE QUP  
 A410 𐁆 YI SYLLABLE QURX  
 A411 𐁇 YI SYLLABLE QUR  
 A412 𐁈 YI SYLLABLE QYT  
 A413 𐁉 YI SYLLABLE QYX  
 A414 𐁊 YI SYLLABLE QY  
 A415 𐁋 YI SYLLABLE QYP  
 A416 𐁌 YI SYLLABLE QYRX  
 A417 𐁍 YI SYLLABLE QYR  
 A418 𐁎 YI SYLLABLE JJIT  
 A419 𐁏 YI SYLLABLE JJIX  
 A41A 𐁐 YI SYLLABLE JJI  
 A41B 𐁑 YI SYLLABLE JJIP  
 A41C 𐁒 YI SYLLABLE JJIET  
 A41D 𐁓 YI SYLLABLE JJIEX  
 A41E 𐁔 YI SYLLABLE JJIE  
 A41F 𐁕 YI SYLLABLE JJIEP  
 A420 𐁖 YI SYLLABLE JJUOX  
 A421 𐁗 YI SYLLABLE JJUO  
 A422 𐁘 YI SYLLABLE JJUOP  
 A423 𐁙 YI SYLLABLE JJOT  
 A424 𐁚 YI SYLLABLE JJOX  
 A425 𐁛 YI SYLLABLE JJO  
 A426 𐁜 YI SYLLABLE JJOP  
 A427 𐁝 YI SYLLABLE JJUT  
 A428 𐁞 YI SYLLABLE JJUX  
 A429 𐁟 YI SYLLABLE JJU  
 A42A 𐁠 YI SYLLABLE JJUP  
 A42B 𐁡 YI SYLLABLE JJURX  
 A42C 𐁢 YI SYLLABLE JJUR  
 A42D 𐁣 YI SYLLABLE JJYT  
 A42E 𐁤 YI SYLLABLE JJYX  
 A42F 𐁥 YI SYLLABLE JJY  
 A430 𐁦 YI SYLLABLE JJYP  
 A431 𐁧 YI SYLLABLE NJIT  
 A432 𐁨 YI SYLLABLE NJIX  
 A433 𐁩 YI SYLLABLE NJI  
 A434 𐁪 YI SYLLABLE NJIP  
 A435 𐁫 YI SYLLABLE NJIET  
 A436 𐁬 YI SYLLABLE NJIEX  
 A437 𐁭 YI SYLLABLE NJIE  
 A438 𐁮 YI SYLLABLE NJIEP  
 A439 𐁯 YI SYLLABLE NJUOX  
 A43A 𐁰 YI SYLLABLE NJUO  
 A43B 𐁱 YI SYLLABLE NJOT  
 A43C 𐁲 YI SYLLABLE NJOX  
 A43D 𐁳 YI SYLLABLE NJO  
 A43E 𐁴 YI SYLLABLE NJOP  
 A43F 𐁵 YI SYLLABLE NJUX  
 A440 𐁶 YI SYLLABLE NJU  
 A441 𐁷 YI SYLLABLE NJUP  
 A442 𐁸 YI SYLLABLE NJURX  
 A443 𐁹 YI SYLLABLE NJUR

A444	𐌪𐌰	YI SYLLABLE NJYT
A445	𐌪𐌱	YI SYLLABLE NJYX
A446	𐌪𐌲	YI SYLLABLE NJY
A447	𐌪𐌳	YI SYLLABLE NJYP
A448	𐌪𐌴	YI SYLLABLE NJYRX
A449	𐌪𐌵	YI SYLLABLE NJYR
A44A	𐌪𐌶	YI SYLLABLE NYIT
A44B	𐌪𐌷	YI SYLLABLE NYIX
A44C	𐌪𐌸	YI SYLLABLE NYI
A44D	𐌪𐌹	YI SYLLABLE NYIP
A44E	𐌪𐌺	YI SYLLABLE NYIET
A44F	𐌪𐌻	YI SYLLABLE NYIEX
A450	𐌪𐌼	YI SYLLABLE NYIE
A451	𐌪𐌽	YI SYLLABLE NYIEP
A452	𐌪𐌾	YI SYLLABLE NYUOX
A453	𐌪𐌿	YI SYLLABLE NYUO
A454	𐌪𐍀	YI SYLLABLE NYUOP
A455	𐌪𐍁	YI SYLLABLE NYOT
A456	𐌪𐍂	YI SYLLABLE NYOX
A457	𐌪𐍃	YI SYLLABLE NYO
A458	𐌪𐍄	YI SYLLABLE NYOP
A459	𐌪𐍅	YI SYLLABLE NYUT
A45A	𐌪𐍆	YI SYLLABLE NYUX
A45B	𐌪𐍇	YI SYLLABLE NYU
A45C	𐌪𐍈	YI SYLLABLE NYUP
A45D	𐌪𐍉	YI SYLLABLE XIT
A45E	𐌪𐍊	YI SYLLABLE XIX
A45F	𐌪𐍋	YI SYLLABLE XI
A460	𐌪𐍌	YI SYLLABLE XIP
A461	𐌪𐍍	YI SYLLABLE XIET
A462	𐌪𐍎	YI SYLLABLE XIEX
A463	𐌪𐍏	YI SYLLABLE XIE
A464	𐌪𐍐	YI SYLLABLE XIEP
A465	𐌪𐍑	YI SYLLABLE XUOX
A466	𐌪𐍒	YI SYLLABLE XUO
A467	𐌪𐍓	YI SYLLABLE XOT
A468	𐌪𐍔	YI SYLLABLE XOX
A469	𐌪𐍕	YI SYLLABLE XO
A46A	𐌪𐍖	YI SYLLABLE XOP
A46B	𐌪𐍗	YI SYLLABLE XYT
A46C	𐌪𐍘	YI SYLLABLE XYX
A46D	𐌪𐍙	YI SYLLABLE XY
A46E	𐌪𐍚	YI SYLLABLE XYP
A46F	𐌪𐍛	YI SYLLABLE XYRX
A470	𐌪𐍜	YI SYLLABLE XYR
A471	𐌪𐍝	YI SYLLABLE YIT
A472	𐌪𐍞	YI SYLLABLE YIX
A473	𐌪𐍟	YI SYLLABLE YI
A474	𐌪𐍠	YI SYLLABLE YIP
A475	𐌪𐍡	YI SYLLABLE YIET
A476	𐌪𐍢	YI SYLLABLE YIEX
A477	𐌪𐍣	YI SYLLABLE YIE
A478	𐌪𐍤	YI SYLLABLE YIEP
A479	𐌪𐍥	YI SYLLABLE YUOT
A47A	𐌪𐍦	YI SYLLABLE YUOX
A47B	𐌪𐍧	YI SYLLABLE YUO
A47C	𐌪𐍨	YI SYLLABLE YUOP
A47D	𐌪𐍩	YI SYLLABLE YOT
A47E	𐌪𐍪	YI SYLLABLE YOX
A47F	𐌪𐍫	YI SYLLABLE YO
A480	𐌪𐍬	YI SYLLABLE YOP

A481	𐌪𐍭	YI SYLLABLE YUT
A482	𐌪𐍮	YI SYLLABLE YUX
A483	𐌪𐍯	YI SYLLABLE YU
A484	𐌪𐍰	YI SYLLABLE YUP
A485	𐌪𐍱	YI SYLLABLE YURX
A486	𐌪𐍲	YI SYLLABLE YUR
A487	𐌪𐍳	YI SYLLABLE YYT
A488	𐌪𐍴	YI SYLLABLE YYX
A489	𐌪𐍵	YI SYLLABLE YY
A48A	𐌪𐍶	YI SYLLABLE YYP
A48B	𐌪𐍷	YI SYLLABLE YYRX
A48C	𐌪𐍸	YI SYLLABLE YYR

	A49	A4A	A4B	A4C
0	 A490	 A4A0	 A4B0	 A4C0
1	 A491	 A4A1	 A4B1	 A4C1
2	 A492	 A4A2	 A4B2	 A4C2
3	 A493	 A4A3	 A4B3	 A4C3
4	 A494	 A4A4	 A4B4	 A4C4
5	 A495	 A4A5	 A4B5	 A4C5
6	 A496	 A4A6	 A4B6	 A4C6
7	 A497	 A4A7	 A4B7	
8	 A498	 A4A8	 A4B8	
9	 A499	 A4A9	 A4B9	
A	 A49A	 A4AA	 A4BA	
B	 A49B	 A4AB	 A4BB	
C	 A49C	 A4AC	 A4BC	
D	 A49D	 A4AD	 A4BD	
E	 A49E	 A4AE	 A4BE	
F	 A49F	 A4AF	 A4BF	

Yi radicals

Yi radicals are named based on the Yi syllable their shape is abstracted from. This is illustrated with crossreferences for the first two radicals.

- A490 | YI RADICAL QOT  
→ A408 |l| yi syllable qot
- A491 | YI RADICAL LI  
→ A1B9 |l| yi syllable li
- A492 | YI RADICAL KIT
- A493 | YI RADICAL NYIP
- A494 | YI RADICAL CYP
- A495 | YI RADICAL SSI
- A496 | YI RADICAL GGOP
- A497 | YI RADICAL GEP
- A498 | YI RADICAL MI
- A499 | YI RADICAL HXIT
- A49A | YI RADICAL LYR
- A49B | YI RADICAL BBUT
- A49C | YI RADICAL MOP
- A49D | YI RADICAL YO
- A49E | YI RADICAL PUT
- A49F | YI RADICAL HXUO
- A4A0 | YI RADICAL TAT
- A4A1 | YI RADICAL GA
- A4A2 | YI RADICAL ZUP
- A4A3 | YI RADICAL CYT
- A4A4 | YI RADICAL DDUR
- A4A5 | YI RADICAL BUR
- A4A6 | YI RADICAL GGUO
- A4A7 | YI RADICAL NYOP
- A4A8 | YI RADICAL TU
- A4A9 | YI RADICAL OP
- A4AA | YI RADICAL JJUT
- A4AB | YI RADICAL ZOT
- A4AC | YI RADICAL PYT
- A4AD | YI RADICAL HMO
- A4AE | YI RADICAL YIT
- A4AF | YI RADICAL VUR
- A4B0 | YI RADICAL SHY
- A4B1 | YI RADICAL VEP
- A4B2 | YI RADICAL ZA
- A4B3 | YI RADICAL JO
- A4B4 | YI RADICAL NZUP
- A4B5 | YI RADICAL JJY
- A4B6 | YI RADICAL GOT
- A4B7 | YI RADICAL JJIE
- A4B8 | YI RADICAL WO
- A4B9 | YI RADICAL DU
- A4BA | YI RADICAL SHUR
- A4BB | YI RADICAL LIE
- A4BC | YI RADICAL CY
- A4BD | YI RADICAL CUOP
- A4BE | YI RADICAL CIP
- A4BF | YI RADICAL HXOP
- A4C0 | YI RADICAL SHAT
- A4C1 | YI RADICAL ZUR
- A4C2 | YI RADICAL SHOP
- A4C3 | YI RADICAL CHE
- A4C4 | YI RADICAL ZZIET
- A4C5 | YI RADICAL NBIE
- A4C6 | YI RADICAL KE



	A4D	A4E	A4F
0	<b>B</b> A4D0	<b>N</b> A4E0	<b>E</b> A4F0
1	<b>P</b> A4D1	<b>L</b> A4E1	<b>Ǝ</b> A4F1
2	<b>ɖ</b> A4D2	<b>S</b> A4E2	<b>I</b> A4F2
3	<b>D</b> A4D3	<b>R</b> A4E3	<b>O</b> A4F3
4	<b>T</b> A4D4	<b>ʀ</b> A4E4	<b>U</b> A4F4
5	<b>ɿ</b> A4D5	<b>ʌ</b> A4E5	<b>ɯ</b> A4F5
6	<b>G</b> A4D6	<b>V</b> A4E6	<b>ɿ</b> A4F6
7	<b>K</b> A4D7	<b>H</b> A4E7	<b>ɖ</b> A4F7
8	<b>Ɓ</b> A4D8	<b>ɠ</b> A4E8	<b>.</b> A4F8
9	<b>J</b> A4D9	<b>ɾ</b> A4E9	<b>,</b> A4F9
A	<b>C</b> A4DA	<b>W</b> A4EA	<b>..</b> A4FA
B	<b>ɕ</b> A4DB	<b>X</b> A4EB	<b>.,</b> A4FB
C	<b>Z</b> A4DC	<b>Y</b> A4EC	<b>;</b> A4FC
D	<b>F</b> A4DD	<b>B</b> A4ED	<b>:</b> A4FD
E	<b>ɸ</b> A4DE	<b>A</b> A4EE	<b>-.</b> A4FE
F	<b>M</b> A4DF	<b>ʋ</b> A4EF	<b>=</b> A4FF

The name "Lisu" is preferred by the user community. Many linguists also use the name "Fraser" or "Fraser Lisu". Used for the Old Lisu orthography.

#### Consonants

A4D0	B	LISU LETTER BA
A4D1	P	LISU LETTER PA
A4D2	ɖ	LISU LETTER PHA
A4D3	D	LISU LETTER DA
A4D4	T	LISU LETTER TA
A4D5	ɿ	LISU LETTER THA
A4D6	G	LISU LETTER GA
A4D7	K	LISU LETTER KA
A4D8	Ɓ	LISU LETTER KHA
A4D9	J	LISU LETTER JA
A4DA	C	LISU LETTER CA
A4DB	ɕ	LISU LETTER CHA
A4DC	Z	LISU LETTER DZA
A4DD	F	LISU LETTER TSA
A4DE	ɸ	LISU LETTER TSHA
A4DF	M	LISU LETTER MA
A4E0	N	LISU LETTER NA
A4E1	L	LISU LETTER LA
A4E2	S	LISU LETTER SA
A4E3	R	LISU LETTER ZHA
A4E4	ʀ	LISU LETTER ZA
A4E5	ʌ	LISU LETTER NGA
A4E6	V	LISU LETTER HA
A4E7	H	LISU LETTER XA
A4E8	ɠ	LISU LETTER HHA
A4E9	ɾ	LISU LETTER FA
A4EA	W	LISU LETTER WA
A4EB	X	LISU LETTER SHA
A4EC	Y	LISU LETTER YA
A4ED	ɖ	LISU LETTER GHA

#### Vowels


A4EE	A	LISU LETTER A
A4EF	ʋ	LISU LETTER AE
A4F0	E	LISU LETTER E
A4F1	Ǝ	LISU LETTER EU
A4F2	I	LISU LETTER I
A4F3	O	LISU LETTER O
A4F4	U	LISU LETTER U
A4F5	ɯ	LISU LETTER UE
A4F6	ɿ	LISU LETTER UH
A4F7	ɖ	LISU LETTER OE

#### Tones

A4F8	.	LISU LETTER TONE MYA TI
A4F9	,	LISU LETTER TONE NA PO
A4FA	..	LISU LETTER TONE MYA CYA
A4FB	.,	LISU LETTER TONE MYA BO
A4FC	;	LISU LETTER TONE MYA NA
A4FD	:	LISU LETTER TONE MYA JEU

#### Punctuation

A4FE	-.	LISU PUNCTUATION COMMA
A4FF	=	LISU PUNCTUATION FULL STOP

	A50	A51	A52	A53	A54	A55	A56	A57	A58	A59
0	 A500	 A510	 A520	 A530	 A540	 A550	 A560	 A570	 A580	 A590
1	 A501	 A511	 A521	 A531	 A541	 A551	 A561	 A571	 A581	 A591
2	 A502	 A512	 A522	 A532	 A542	 A552	 A562	 A572	 A582	 A592
3	 A503	 A513	 A523	 A533	 A543	 A553	 A563	 A573	 A583	 A593
4	 A504	 A514	 A524	 A534	 A544	 A554	 A564	 A574	 A584	 A594
5	 A505	 A515	 A525	 A535	 A545	 A555	 A565	 A575	 A585	 A595
6	 A506	 A516	 A526	 A536	 A546	 A556	 A566	 A576	 A586	 A596
7	 A507	 A517	 A527	 A537	 A547	 A557	 A567	 A577	 A587	 A597
8	 A508	 A518	 A528	 A538	 A548	 A558	 A568	 A578	 A588	 A598
9	 A509	 A519	 A529	 A539	 A549	 A559	 A569	 A579	 A589	 A599
A	 A50A	 A51A	 A52A	 A53A	 A54A	 A55A	 A56A	 A57A	 A58A	 A59A
B	 A50B	 A51B	 A52B	 A53B	 A54B	 A55B	 A56B	 A57B	 A58B	 A59B
C	 A50C	 A51C	 A52C	 A53C	 A54C	 A55C	 A56C	 A57C	 A58C	 A59C
D	 A50D	 A51D	 A52D	 A53D	 A54D	 A55D	 A56D	 A57D	 A58D	 A59D
E	 A50E	 A51E	 A52E	 A53E	 A54E	 A55E	 A56E	 A57E	 A58E	 A59E
F	 A50F	 A51F	 A52F	 A53F	 A54F	 A55F	 A56F	 A57F	 A58F	 A59F

	A5A	A5B	A5C	A5D	A5E	A5F	A60	A61	A62	A63
0	 A5A0	 A5B0	 A5C0	 A5D0	 A5E0	 A5F0	 A600	 A610	 A620	
1	 A5A1	 A5B1	 A5C1	 A5D1	 A5E1	 A5F1	 A601	 A611	 A621	
2	 A5A2	 A5B2	 A5C2	 A5D2	 A5E2	 A5F2	 A602	 A612	 A622	
3	 A5A3	 A5B3	 A5C3	 A5D3	 A5E3	 A5F3	 A603	 A613	 A623	
4	 A5A4	 A5B4	 A5C4	 A5D4	 A5E4	 A5F4	 A604	 A614	 A624	
5	 A5A5	 A5B5	 A5C5	 A5D5	 A5E5	 A5F5	 A605	 A615	 A625	
6	 A5A6	 A5B6	 A5C6	 A5D6	 A5E6	 A5F6	 A606	 A616	 A626	
7	 A5A7	 A5B7	 A5C7	 A5D7	 A5E7	 A5F7	 A607	 A617	 A627	
8	 A5A8	 A5B8	 A5C8	 A5D8	 A5E8	 A5F8	 A608	 A618	 A628	
9	 A5A9	 A5B9	 A5C9	 A5D9	 A5E9	 A5F9	 A609	 A619	 A629	
A	 A5AA	 A5BA	 A5CA	 A5DA	 A5EA	 A5FA	 A60A	 A61A	 A62A	
B	 A5AB	 A5BB	 A5CB	 A5DB	 A5EB	 A5FB	 A60B	 A61B	 A62B	
C	 A5AC	 A5BC	 A5CC	 A5DC	 A5EC	 A5FC	 A60C	 A61C		
D	 A5AD	 A5BD	 A5CD	 A5DD	 A5ED	 A5FD	 A60D	 A61D		
E	 A5AE	 A5BE	 A5CE	 A5DE	 A5EE	 A5FE	 A60E	 A61E		
F	 A5AF	 A5BF	 A5CF	 A5DF	 A5EF	 A5FF	 A60F	 A61F		

**Syllables in -ee**

A500	𐌀	VAI SYLLABLE EE
A501	𐌁	VAI SYLLABLE EEN
A502	𐌂	VAI SYLLABLE HEE
A503	𐌃	VAI SYLLABLE WEE
A504	𐌄	VAI SYLLABLE WEEN
A505	𐌅	VAI SYLLABLE PEE
A506	𐌆	VAI SYLLABLE BHEE
A507	𐌇	VAI SYLLABLE BEE
A508	𐌈	VAI SYLLABLE MBEE
A509	𐌉	VAI SYLLABLE KPEE
A50A	𐌊	VAI SYLLABLE MGBEE
A50B	𐌋	VAI SYLLABLE GBEE
A50C	𐌌	VAI SYLLABLE FEE
A50D	𐌍	VAI SYLLABLE VEE
A50E	𐌎	VAI SYLLABLE TEE
A50F	𐌏	VAI SYLLABLE THEE
A510	𐌐	VAI SYLLABLE DHEE
A511	𐌑	VAI SYLLABLE DHHEE
A512	𐌒	VAI SYLLABLE LEE
A513	𐌓	VAI SYLLABLE REE
A514	𐌔	VAI SYLLABLE DEE

• read as logogram deeng “child, small” in the Book of Ndole

A515	𐌕	VAI SYLLABLE NDEE
A516	𐌖	VAI SYLLABLE SEE
A517	𐌗	VAI SYLLABLE SHEE
A518	𐌘	VAI SYLLABLE ZEE
A519	𐌙	VAI SYLLABLE ZHEE
A51A	𐌚	VAI SYLLABLE CEE
A51B	𐌛	VAI SYLLABLE JEE
A51C	𐌜	VAI SYLLABLE NJEE
A51D	𐌝	VAI SYLLABLE YEE
A51E	𐌞	VAI SYLLABLE KEE
A51F	𐌟	VAI SYLLABLE NGGEE
A520	𐌠	VAI SYLLABLE GEE
A521	𐌡	VAI SYLLABLE MEE
A522	𐌢	VAI SYLLABLE NEE
A523	𐌣	VAI SYLLABLE NYEE

**Syllables in -i**

A524	𐌤	VAI SYLLABLE I
A525	𐌥	VAI SYLLABLE IN
A526	𐌦	VAI SYLLABLE HI
A527	𐌧	VAI SYLLABLE HIN
A528	𐌨	VAI SYLLABLE WI
A529	𐌩	VAI SYLLABLE WIN
A52A	𐌪	VAI SYLLABLE PI
A52B	𐌫	VAI SYLLABLE BHI
A52C	𐌬	VAI SYLLABLE BI
A52D	𐌭	VAI SYLLABLE MBI
A52E	𐌮	VAI SYLLABLE KPI
A52F	𐌯	VAI SYLLABLE MGBI
A530	𐌰	VAI SYLLABLE GBI
A531	𐌱	VAI SYLLABLE FI
A532	𐌲	VAI SYLLABLE VI
A533	𐌳	VAI SYLLABLE TI
A534	𐌴	VAI SYLLABLE THI
A535	𐌵	VAI SYLLABLE DHI
A536	𐌶	VAI SYLLABLE DHHI
A537	•	VAI SYLLABLE LI
A538	~	VAI SYLLABLE RI

A539	••	VAI SYLLABLE DI
A53A	••	VAI SYLLABLE NDI
A53B	••	VAI SYLLABLE SI
A53C	••	VAI SYLLABLE SHI
A53D	••	VAI SYLLABLE ZI
A53E	••	VAI SYLLABLE ZHI
A53F	••	VAI SYLLABLE CI
A540	••	VAI SYLLABLE JI
A541	••	VAI SYLLABLE NJI
A542	••	VAI SYLLABLE YI
A543	•	VAI SYLLABLE KI
A544	•	VAI SYLLABLE NGGI
A545	•	VAI SYLLABLE GI
A546	•	VAI SYLLABLE MI
A547	•	VAI SYLLABLE NI
A548	•	VAI SYLLABLE NYI

**Syllables in -a**

A549	•	VAI SYLLABLE A
A54A	•	VAI SYLLABLE AN
A54B	•	VAI SYLLABLE NGAN
A54C	•	VAI SYLLABLE HA
A54D	•	VAI SYLLABLE HAN
A54E	•	VAI SYLLABLE WA
A54F	•	VAI SYLLABLE WAN
A550	•	VAI SYLLABLE PA
A551	•	VAI SYLLABLE BHA
A552	•	VAI SYLLABLE BA
A553	•	VAI SYLLABLE MBA
A554	•	VAI SYLLABLE KPA
A555	•	VAI SYLLABLE KPAN
A556	•	VAI SYLLABLE MGBA
A557	•	VAI SYLLABLE GBA
A558	•	VAI SYLLABLE FA
		→ A610 𐌰𐌱 vai syllable ndole fa
A559	•	VAI SYLLABLE VA
A55A	•	VAI SYLLABLE TA
A55B	•	VAI SYLLABLE THA
A55C	•	VAI SYLLABLE DHA
A55D	•	VAI SYLLABLE DHHA
A55E	•	VAI SYLLABLE LA
A55F	•	VAI SYLLABLE RA
A560	•	VAI SYLLABLE DA
A561	•	VAI SYLLABLE NDA
A562	•	VAI SYLLABLE SA
A563	•	VAI SYLLABLE SHA
A564	•	VAI SYLLABLE ZA
A565	•	VAI SYLLABLE ZHA
A566	•	VAI SYLLABLE CA
A567	•	VAI SYLLABLE JA
A568	•	VAI SYLLABLE NJA
A569	•	VAI SYLLABLE YA
A56A	•	VAI SYLLABLE KA
		• read as logogram kai “man” in the Book of Ndole
		→ A611 𐌰𐌱 vai syllable ndole ka
A56B	•	VAI SYLLABLE KAN
A56C	•	VAI SYLLABLE NGGA
A56D	•	VAI SYLLABLE GA
A56E	•	VAI SYLLABLE MA
		→ A62A 𐌰𐌱 vai syllable ndole ma
A56F	•	VAI SYLLABLE NA

A570 𞞂 VAI SYLLABLE NYA

**Syllables in -oo**

A571 𞞃 VAI SYLLABLE OO  
 A572 𞞄 VAI SYLLABLE OON  
 A573 𞞅 VAI SYLLABLE HOO  
 A574 𞞆 VAI SYLLABLE WOO  
 A575 𞞇 VAI SYLLABLE WOON  
 A576 𞞈 VAI SYLLABLE POO  
 A577 𞞉 VAI SYLLABLE BHOO  
 A578 𞞊 VAI SYLLABLE BOO  
 A579 𞞋 VAI SYLLABLE MBOO  
 A57A 𞞌 VAI SYLLABLE KPOO  
 A57B 𞞍 VAI SYLLABLE MGBOO  
 A57C 𞞎 VAI SYLLABLE GBOO  
 A57D 𞞏 VAI SYLLABLE FOO  
 A57E 𞞐 VAI SYLLABLE VOO  
 A57F 𞞑 VAI SYLLABLE TOO  
 A580 𞞒 VAI SYLLABLE THOO  
 A581 𞞓 VAI SYLLABLE DHOO  
 A582 𞞔 VAI SYLLABLE DHOOO  
 A583 𞞕 VAI SYLLABLE LOO  
 A584 𞞖 VAI SYLLABLE ROO  
 A585 𞞗 VAI SYLLABLE DOO  
 A586 𞞘 VAI SYLLABLE NDOO  
 A587 𞞙 VAI SYLLABLE SOO  
 → A612 𞞚 vai syllable ndole soo  
 A588 𞞛 VAI SYLLABLE SHOO  
 A589 𞞜 VAI SYLLABLE ZOO  
 A58A 𞞝 VAI SYLLABLE ZHOO  
 A58B 𞞞 VAI SYLLABLE COO  
 A58C 𞞟 VAI SYLLABLE JOO  
 A58D 𞞠 VAI SYLLABLE NJOO  
 A58E 𞞡 VAI SYLLABLE YOO  
 A58F 𞞢 VAI SYLLABLE KOO  
 A590 𞞣 VAI SYLLABLE NGGOO  
 A591 𞞤 VAI SYLLABLE GOO  
 A592 𞞥 VAI SYLLABLE MOO  
 A593 𞞦 VAI SYLLABLE NOO  
 A594 𞞧 VAI SYLLABLE NYOO

**Syllables in -u**

A595 𞞨 VAI SYLLABLE U  
 A596 𞞩 VAI SYLLABLE UN  
 A597 𞞪 VAI SYLLABLE HU  
 A598 𞞫 VAI SYLLABLE HUN  
 A599 𞞬 VAI SYLLABLE WU  
 A59A 𞞭 VAI SYLLABLE WUN  
 A59B 𞞮 VAI SYLLABLE PU  
 A59C 𞞯 VAI SYLLABLE BHU  
 A59D 𞞰 VAI SYLLABLE BU  
 A59E 𞞱 VAI SYLLABLE MBU  
 A59F 𞞲 VAI SYLLABLE KPU  
 A5A0 𞞳 VAI SYLLABLE MGBU  
 A5A1 𞞴 VAI SYLLABLE GBU  
 A5A2 𞞵 VAI SYLLABLE FU  
 A5A3 𞞶 VAI SYLLABLE VU  
 A5A4 𞞷 VAI SYLLABLE TU  
 A5A5 𞞸 VAI SYLLABLE THU  
 A5A6 𞞹 VAI SYLLABLE DHU  
 A5A7 𞞺 VAI SYLLABLE DHHU  
 A5A8 𞞻 VAI SYLLABLE LU

A5A9 𞞼 VAI SYLLABLE RU  
 A5AA 𞞽 VAI SYLLABLE DU  
 A5AB 𞞾 VAI SYLLABLE NDU  
 A5AC 𞞿 VAI SYLLABLE SU  
 A5AD 𞟀 VAI SYLLABLE SHU  
 A5AE 𞟁 VAI SYLLABLE ZU  
 A5AF 𞟂 VAI SYLLABLE ZHU  
 A5B0 𞟃 VAI SYLLABLE CU  
 A5B1 𞟄 VAI SYLLABLE JU  
 A5B2 𞟅 VAI SYLLABLE NJU  
 A5B3 𞟆 VAI SYLLABLE YU  
 A5B4 𞟇 VAI SYLLABLE KU  
 A5B5 𞟈 VAI SYLLABLE NGGU  
 A5B6 𞟉 VAI SYLLABLE GU  
 A5B7 𞟊 VAI SYLLABLE MU  
 A5B8 𞟋 VAI SYLLABLE NU  
 A5B9 𞟌 VAI SYLLABLE NYU

**Syllables in -o**

A5BA 𞟍 VAI SYLLABLE O  
 A5BB 𞟎 VAI SYLLABLE ON  
 A5BC 𞟏 VAI SYLLABLE NGON  
 A5BD 𞟐 VAI SYLLABLE HO  
 A5BE 𞟑 VAI SYLLABLE HON  
 A5BF 𞟒 VAI SYLLABLE WO  
 A5C0 𞟓 VAI SYLLABLE WON  
 A5C1 𞟔 VAI SYLLABLE PO  
 A5C2 𞟕 VAI SYLLABLE BHO  
 A5C3 𞟖 VAI SYLLABLE BO  
 A5C4 𞟗 VAI SYLLABLE MBO  
 A5C5 𞟘 VAI SYLLABLE KPO  
 A5C6 𞟙 VAI SYLLABLE MGBO  
 A5C7 𞟚 VAI SYLLABLE GBO  
 A5C8 𞟛 VAI SYLLABLE GBON  
 A5C9 𞟜 VAI SYLLABLE FO  
 A5CA 𞟝 VAI SYLLABLE VO  
 A5CB 𞟞 VAI SYLLABLE TO  
 A5CC 𞟟 VAI SYLLABLE THO  
 A5CD 𞟠 VAI SYLLABLE DHO  
 A5CE 𞟡 VAI SYLLABLE DHHO  
 A5CF 𞟢 VAI SYLLABLE LO  
 A5D0 𞟣 VAI SYLLABLE RO  
 A5D1 𞟤 VAI SYLLABLE DO  
 • read as logogram lo “in” in the Book of Ndole  
 → A62B 𞟥 vai syllable ndole do  
 A5D2 𞟦 VAI SYLLABLE NDO  
 A5D3 𞟧 VAI SYLLABLE SO  
 A5D4 𞟨 VAI SYLLABLE SHO  
 A5D5 𞟩 VAI SYLLABLE ZO  
 A5D6 𞟪 VAI SYLLABLE ZHO  
 A5D7 𞟫 VAI SYLLABLE CO  
 A5D8 𞟬 VAI SYLLABLE JO  
 A5D9 𞟭 VAI SYLLABLE NJO  
 A5DA 𞟮 VAI SYLLABLE YO  
 A5DB 𞟯 VAI SYLLABLE KO  
 A5DC 𞟰 VAI SYLLABLE NGGO  
 A5DD 𞟱 VAI SYLLABLE GO  
 A5DE 𞟲 VAI SYLLABLE MO  
 A5DF 𞟳 VAI SYLLABLE NO  
 A5E0 𞟴 VAI SYLLABLE NYO

**Syllables in -e**

A5E1	𞞀	VAI SYLLABLE E
A5E2	𞞁	VAI SYLLABLE EN
A5E3	𞞂	VAI SYLLABLE NGEN
A5E4	𞞃	VAI SYLLABLE HE
A5E5	𞞄	VAI SYLLABLE HEN
A5E6	𞞅	VAI SYLLABLE WE
A5E7	𞞆	VAI SYLLABLE WEN
A5E8	𞞇	VAI SYLLABLE PE
A5E9	𞞈	VAI SYLLABLE BHE
A5EA	𞞉	VAI SYLLABLE BE
A5EB	𞞊	VAI SYLLABLE MBE
A5EC	𞞋	VAI SYLLABLE KPE
A5ED	𞞌	VAI SYLLABLE KPEN
A5EE	𞞍	VAI SYLLABLE MGBE
A5EF	𞞎	VAI SYLLABLE GBE
A5F0	𞞏	VAI SYLLABLE GBEN
A5F1	𞞐	VAI SYLLABLE FE
A5F2	𞞑	VAI SYLLABLE VE
A5F3	𞞒	VAI SYLLABLE TE
A5F4	𞞓	VAI SYLLABLE THE
A5F5	𞞔	VAI SYLLABLE DHE
A5F6	𞞕	VAI SYLLABLE DHHE
A5F7	𞞖	VAI SYLLABLE LE
A5F8	𞞗	VAI SYLLABLE RE
A5F9	𞞘	VAI SYLLABLE DE
A5FA	𞞙	VAI SYLLABLE NDE
A5FB	𞞚	VAI SYLLABLE SE
A5FC	𞞛	VAI SYLLABLE SHE
A5FD	𞞜	VAI SYLLABLE ZE
A5FE	𞞝	VAI SYLLABLE ZHE
A5FF	𞞞	VAI SYLLABLE CE
A600	𞞟	VAI SYLLABLE JE
A601	𞞠	VAI SYLLABLE NJE
A602	𞞡	VAI SYLLABLE YE
A603	𞞢	VAI SYLLABLE KE
A604	𞞣	VAI SYLLABLE NGGE
A605	𞞤	VAI SYLLABLE NGGEN
A606	𞞥	VAI SYLLABLE GE
A607	𞞦	VAI SYLLABLE GEN
A608	𞞧	VAI SYLLABLE ME
A609	𞞨	VAI SYLLABLE NE
A60A	𞞩	VAI SYLLABLE NYE

**Syllable finals**

A60B	𞞪	VAI SYLLABLE NG
A60C	𞞫	VAI SYLLABLE LENGTHENER

**Punctuation**

A60D	𞞬	VAI COMMA
A60E	𞞭	VAI FULL STOP
A60F	𞞮	VAI QUESTION MARK

**Historic syllables**

A610	𞞯	VAI SYLLABLE NDOLE FA → A558 𞞰 vai syllable fa
A611	𞞱	VAI SYLLABLE NDOLE KA → A56A 𞞲 vai syllable ka
A612	𞞳	VAI SYLLABLE NDOLE SOO → A587 𞞴 vai syllable soo

**Logograms**

A613	𞞵	VAI SYMBOL FEENG • logogram for “thing”
A614	𞞶	VAI SYMBOL KEENG • logogram for “foot”
A615	𞞷	VAI SYMBOL TING • logogram for “island”
A616	𞞸	VAI SYMBOL NII • logogram for “cow” • also logogram for kpe kowu “case of gin”
A617	𞞹	VAI SYMBOL BANG • logogram for “finished”
A618	𞞺	VAI SYMBOL FAA • logogram for “die, kill”
A619	𞞻	VAI SYMBOL TAA • logogram for “go, carry, journey”
A61A	𞞼	VAI SYMBOL DANG • logogram for “hear, understand”
A61B	𞞽	VAI SYMBOL DOONG • logogram for “enter”
A61C	𞞾	VAI SYMBOL KUNG • logogram for “head, be able”
A61D	𞞿	VAI SYMBOL TONG • logogram for “be named”
A61E	𞟀	VAI SYMBOL DO-O • logogram for “be small”
A61F	𞟁	VAI SYMBOL JONG • logogram for “slave”



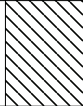

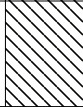

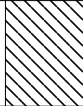


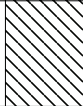



**Digits**

*These are not in modern use.*

A620	𞟂	VAI DIGIT ZERO
A621	𞟃	VAI DIGIT ONE
A622	𞟄	VAI DIGIT TWO
A623	𞟅	VAI DIGIT THREE
A624	𞟆	VAI DIGIT FOUR
A625	𞟇	VAI DIGIT FIVE
A626	𞟈	VAI DIGIT SIX
A627	𞟉	VAI DIGIT SEVEN
A628	𞟊	VAI DIGIT EIGHT
A629	𞟋	VAI DIGIT NINE

**Historic syllables**

A62A	𞟌	VAI SYLLABLE NDOLE MA → A56E 𞟍 vai syllable ma
A62B	𞟎	VAI SYLLABLE NDOLE DO → A5D1 𞟏 vai syllable do

	A64	A65	A66	A67	A68	A69
0	Џ A640	Ы A650		⦿ A670	Д A680	Т A690
1	Ѻ A641	ы A651		⦿ A671	д A681	т A691
2	Ѻ̂ A642	Ѣ A652	Д A662	⦿ A672	Ѕ A682	Ѵ A692
3	Ѻ̃ A643	Ѣ A653	д A663	☆ A673	ѕ A683	ѵ A693
4	Ѻ̄ A644	Ѧ A654	Л A664		ѺК A684	Һ A694
5	Ѻ̅ A645	Ѧ A655	л A665		Ѻк A685	һ A695
6	І A646	ѦА A656	М A666		Ѵ A686	Ѷ A696
7	і A647	Ѧа A657	м A667		ѵ A687	ѷ A697
8	Ѐ A648	А A658	О A668		Д₃ A688	
9	Ӏ A649	А A659	о A669		Д₃ A689	
A	Ӑ A64A	Ӓ A65A	⊙ A66A		Ѧ A68A	
B	ӑ A64B	ӓ A65B	⊙ A66B		ѧ A68B	
C	ӄ A64C	ӦА A65C	Ӧ A66C	◌̇ A67C	Ѧ A68C	
D	Ӆ A64D	Ӧа A65D	Ӧ A66D	◌̈ A67D	ѧ A68D	
E	ӆ A64E	ӦӀ A65E	Ӧ̂ A66E	◌̉ A67E	Ѧ̂ A68E	
F	Ӈ A64F	Ӧӑ A65F	Ӧ̃ A66F	◌̊ A67F	Ѧ̃ A68F	

**Letters for Old Cyrillic**

A640	ⱪ	CYRILLIC CAPITAL LETTER ZEMLYA
A641	Ⱬ	CYRILLIC SMALL LETTER ZEMLYA → 0437 з cyrillic small letter ze
A642	ⱬ	CYRILLIC CAPITAL LETTER DZELO
A643	Ɑ	CYRILLIC SMALL LETTER DZELO → 0455 с cyrillic small letter dze
A644	Ɱ	CYRILLIC CAPITAL LETTER REVERSED DZE → 10193 Ɱ roman sextula sign
A645	Ɐ	CYRILLIC SMALL LETTER REVERSED DZE
A646	Ɒ	CYRILLIC CAPITAL LETTER IOTA
A647	ⱱ	CYRILLIC SMALL LETTER IOTA → 2C3A ⱱ glagolitic small letter initial izhe
A648	Ⱳ	CYRILLIC CAPITAL LETTER DJERV
A649	ⱳ	CYRILLIC SMALL LETTER DJERV → 0452 ѣ cyrillic small letter dje → 045B ѣ cyrillic small letter tshe
A64A	ⱴ	CYRILLIC CAPITAL LETTER MONOGRAPH UK
A64B	Ⱶ	CYRILLIC SMALL LETTER MONOGRAPH UK → 0443 у cyrillic small letter u
A64C	ⱶ	CYRILLIC CAPITAL LETTER BROAD OMEGA
A64D	ⱷ	CYRILLIC SMALL LETTER BROAD OMEGA → 0461 ѿ cyrillic small letter omega
A64E	ⱸ	CYRILLIC CAPITAL LETTER NEUTRAL YER
A64F	ⱹ	CYRILLIC SMALL LETTER NEUTRAL YER → 044A ѹ cyrillic small letter hard sign → 044C Ѻ cyrillic small letter soft sign
A650	ⱺ	CYRILLIC CAPITAL LETTER YERU WITH BACK YER
A651	ⱻ	CYRILLIC SMALL LETTER YERU WITH BACK YER → 044B ѻ cyrillic small letter yeru
A652	ⱼ	CYRILLIC CAPITAL LETTER IOTIFIED YAT
A653	ⱽ	CYRILLIC SMALL LETTER IOTIFIED YAT → 0463 ѿ cyrillic small letter yat
A654	Ȿ	CYRILLIC CAPITAL LETTER REVERSED YU
A655	Ɀ	CYRILLIC SMALL LETTER REVERSED YU → 044E ю cyrillic small letter yu
A656	ⱽ	CYRILLIC CAPITAL LETTER IOTIFIED A
A657	Ɀ	CYRILLIC SMALL LETTER IOTIFIED A
A658	Ȿ	CYRILLIC CAPITAL LETTER CLOSED LITTLE YUS
A659	Ɀ	CYRILLIC SMALL LETTER CLOSED LITTLE YUS → 0467 ѿ cyrillic small letter little yus
A65A	ⱽ	CYRILLIC CAPITAL LETTER BLENDED YUS
A65B	Ɀ	CYRILLIC SMALL LETTER BLENDED YUS → 0467 ѿ cyrillic small letter little yus → 046B ѿ cyrillic small letter big yus
A65C	ⱽ	CYRILLIC CAPITAL LETTER IOTIFIED CLOSED LITTLE YUS
A65D	Ɀ	CYRILLIC SMALL LETTER IOTIFIED CLOSED LITTLE YUS → 0469 ѿ cyrillic small letter iotified little yus
A65E	ⱽ	CYRILLIC CAPITAL LETTER YN
A65F	Ɀ	CYRILLIC SMALL LETTER YN • Romanian Cyrillic
A660	ⱽ	<reserved>
A661	Ɀ	<reserved>
A662	ⱽ	CYRILLIC CAPITAL LETTER SOFT DE
A663	Ɀ	CYRILLIC SMALL LETTER SOFT DE
A664	ⱽ	CYRILLIC CAPITAL LETTER SOFT EL
A665	Ɀ	CYRILLIC SMALL LETTER SOFT EL
A666	ⱽ	CYRILLIC CAPITAL LETTER SOFT EM
A667	Ɀ	CYRILLIC SMALL LETTER SOFT EM

A668	ⱽ	CYRILLIC CAPITAL LETTER MONOCULAR O
A669	Ɀ	CYRILLIC SMALL LETTER MONOCULAR O • used in words based on the root for ‘eye’
A66A	ⱽ	CYRILLIC CAPITAL LETTER BINOCULAR O
A66B	Ɀ	CYRILLIC SMALL LETTER BINOCULAR O • used in the dual of words based on the root for ‘eye’
A66C	ⱽ	CYRILLIC CAPITAL LETTER DOUBLE MONOCULAR O
A66D	Ɀ	CYRILLIC SMALL LETTER DOUBLE MONOCULAR O • used in the dual of words based on the root for ‘eye’
A66E	ⱽ	CYRILLIC LETTER MULTIOCLULAR O • used in the epithet ‘many-eyed’

**Abbreviation mark**

A66F	ⱽ	COMBINING CYRILLIC VZMET • used with Cyrillic letters to indicate abbreviation → 0483 ѿ combining cyrillic titlo → 0487 ѿ combining cyrillic pokrytie
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**Combining numeric signs**

A670	ⱽ	COMBINING CYRILLIC TEN MILLIONS SIGN → 0489 ѿ combining cyrillic millions sign
A671	ⱽ	COMBINING CYRILLIC HUNDRED MILLIONS SIGN
A672	ⱽ	COMBINING CYRILLIC THOUSAND MILLIONS SIGN

**Punctuation mark**

A673	ⱽ	SLAVONIC ASTERISK
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**Combining marks for Old Cyrillic**

A67C	ⱽ	COMBINING CYRILLIC KAVYKA • indicates an alternative reading to part of a word → 0306 ѿ combining breve
A67D	ⱽ	COMBINING CYRILLIC PAYEROK • may indicate an omitted yer → 033E ѿ combining vertical tilde

**Punctuation mark**

A67E	ⱽ	CYRILLIC KAVYKA • used to mark off word that has alternative reading
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**Modifier letter**

A67F	ⱽ	CYRILLIC PAYEROK • may indicate an omitted yer → 2E2F ‘ vertical tilde
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**Letters for Old Abkhasian orthography**

A680	ⱽ	CYRILLIC CAPITAL LETTER DWEE
A681	ⱽ	CYRILLIC SMALL LETTER DWEE
A682	ⱽ	CYRILLIC CAPITAL LETTER DZWE
A683	ⱽ	CYRILLIC SMALL LETTER DZWE
A684	ⱽ	CYRILLIC CAPITAL LETTER ZHWE
A685	ⱽ	CYRILLIC SMALL LETTER ZHWE
A686	ⱽ	CYRILLIC CAPITAL LETTER CCHE
A687	ⱽ	CYRILLIC SMALL LETTER CCHE
A688	ⱽ	CYRILLIC CAPITAL LETTER DZZE
A689	ⱽ	CYRILLIC SMALL LETTER DZZE
A68A	ⱽ	CYRILLIC CAPITAL LETTER TE WITH MIDDLE HOOK



A68B	ѣ	CYRILLIC SMALL LETTER TE WITH MIDDLE HOOK
A68C	Ѥ	CYRILLIC CAPITAL LETTER TWE
A68D	ѥ	CYRILLIC SMALL LETTER TWE
A68E	Ѧ	CYRILLIC CAPITAL LETTER TSWE
A68F	ѧ	CYRILLIC SMALL LETTER TSWE
A690	Ѩ	CYRILLIC CAPITAL LETTER TSSE
A691	ѩ	CYRILLIC SMALL LETTER TSSE
A692	Ѫ	CYRILLIC CAPITAL LETTER TCHE
A693	ѫ	CYRILLIC SMALL LETTER TCHE
A694	Ѭ	CYRILLIC CAPITAL LETTER HWE
A695	ѭ	CYRILLIC SMALL LETTER HWE
A696	Ѯ	CYRILLIC CAPITAL LETTER SHWE
A697	ѯ	CYRILLIC SMALL LETTER SHWE

	A6A	A6B	A6C	A6D	A6E	A6F
0	𞀀 A6A0	𞀁 A6B0	𞀂 A6C0	𞀃 A6D0	𞀄 A6E0	𞀅 <sup>^</sup> A6F0
1	𞀆 A6A1	𞀇 A6B1	𞀈 A6C1	𞀉 A6D1	𞀊 A6E1	𞀋 <sup>—</sup> A6F1
2	𞀌 <sup>̄</sup> A6A2	𞀍 A6B2	𞀎 A6C2	𞀏 A6D2	𞀐 A6E2	𞀑 A6F2
3	𞀒 <sup>·</sup> A6A3	𞀓 <sup>⊥</sup> A6B3	𞀔 <sup>Ƶ</sup> A6C3	𞀕 <sup>Ɔ</sup> A6D3	𞀖 <sup>Ǝ</sup> A6E3	𞀗 <sup>Ǝ</sup> A6F3
4	𞀘 <sup>·</sup> A6A4	𞀙 <sup>·</sup> A6B4	𞀚 <sup>·</sup> A6C4	𞀛 <sup>·</sup> A6D4	𞀜 <sup>·</sup> A6E4	𞀝 <sup>·</sup> A6F4
5	𞀞 <sup>·</sup> A6A5	𞀟 <sup>·</sup> A6B5	𞀠 <sup>·</sup> A6C5	𞀡 <sup>·</sup> A6D5	𞀢 <sup>·</sup> A6E5	𞀣 <sup>·</sup> A6F5
6	𞀤 <sup>·</sup> A6A6	𞀥 <sup>·</sup> A6B6	𞀦 <sup>·</sup> A6C6	𞀧 <sup>·</sup> A6D6	𞀨 <sup>·</sup> A6E6	𞀩 <sup>·</sup> A6F6
7	𞀪 <sup>·</sup> A6A7	𞀫 <sup>·</sup> A6B7	𞀬 <sup>·</sup> A6C7	𞀭 <sup>·</sup> A6D7	𞀮 <sup>·</sup> A6E7	𞀯 <sup>·</sup> A6F7
8	𞀰 <sup>·</sup> A6A8	𞀱 <sup>·</sup> A6B8	𞀲 <sup>·</sup> A6C8	𞀳 <sup>·</sup> A6D8	𞀴 <sup>·</sup> A6E8	
9	𞀵 <sup>·</sup> A6A9	𞀶 <sup>·</sup> A6B9	𞀷 <sup>·</sup> A6C9	𞀸 <sup>·</sup> A6D9	𞀹 <sup>·</sup> A6E9	
A	𞀺 <sup>·</sup> A6AA	𞀻 <sup>·</sup> A6BA	𞀼 <sup>·</sup> A6CA	𞀽 <sup>·</sup> A6DA	𞀾 <sup>·</sup> A6EA	
B	𞀿 <sup>·</sup> A6AB	𞁀 <sup>·</sup> A6BB	𞁁 <sup>·</sup> A6CB	𞁂 <sup>·</sup> A6DB	𞁃 <sup>·</sup> A6EB	
C	𞁄 <sup>·</sup> A6AC	𞁅 <sup>·</sup> A6BC	𞁆 <sup>·</sup> A6CC	𞁇 <sup>·</sup> A6DC	𞁈 <sup>·</sup> A6EC	
D	𞁉 <sup>·</sup> A6AD	𞁊 <sup>·</sup> A6BD	𞁋 <sup>·</sup> A6CD	𞁌 <sup>·</sup> A6DD	𞁍 <sup>·</sup> A6ED	
E	𞁎 <sup>·</sup> A6AE	𞁏 <sup>·</sup> A6BE	𞁐 <sup>·</sup> A6CE	𞁑 <sup>·</sup> A6DE	𞁒 <sup>·</sup> A6EE	
F	𞁓 <sup>·</sup> A6AF	𞁔 <sup>·</sup> A6BF	𞁕 <sup>·</sup> A6CF	𞁖 <sup>·</sup> A6DF	𞁗 <sup>·</sup> A6EF	

**Syllables**

A6A0	ᲀ	BAMUM LETTER A
A6A1	ᲁ	BAMUM LETTER KA
A6A2	ᲂ	BAMUM LETTER U
A6A3	ᲃ	BAMUM LETTER KU
A6A4	ᲄ	BAMUM LETTER EE
A6A5	ᲅ	BAMUM LETTER REE
A6A6	ᲆ	BAMUM LETTER TAE
A6A7	ᲇ	BAMUM LETTER O
A6A8	ᲈ	BAMUM LETTER NYI
A6A9	Ᲊ	BAMUM LETTER I
A6AA	ᲊ	BAMUM LETTER LA
A6AB	᲋	BAMUM LETTER PA
A6AC	᲌	BAMUM LETTER RII
A6AD	᲍	BAMUM LETTER RIEE
A6AE	᲎	BAMUM LETTER LEEEE
A6AF	᲏	BAMUM LETTER MEEEE
A6B0	Ა	BAMUM LETTER TAA
A6B1	Ბ	BAMUM LETTER NDAA
A6B2	Გ	BAMUM LETTER NJAEM
A6B3	Დ	BAMUM LETTER M
A6B4	Ე	BAMUM LETTER SUU
A6B5	Ვ	BAMUM LETTER MU
A6B6	Ზ	BAMUM LETTER SHII
A6B7	Თ	BAMUM LETTER SI
A6B8	Ი	BAMUM LETTER SHEUX
A6B9	Კ	BAMUM LETTER SEUX
A6BA	Ლ	BAMUM LETTER KYEE
A6BB	Მ	BAMUM LETTER KET
A6BC	Ნ	BAMUM LETTER NUAE
A6BD	Ო	BAMUM LETTER NU
A6BE	Პ	BAMUM LETTER NJUAE
A6BF	Ჟ	BAMUM LETTER YOQ
A6C0	Რ	BAMUM LETTER SHU
A6C1	Ს	BAMUM LETTER YUQ
A6C2	Ტ	BAMUM LETTER YA
A6C3	Უ	BAMUM LETTER NSHA
A6C4	Ფ	BAMUM LETTER KEUX
A6C5	Ქ	BAMUM LETTER PEUX
A6C6	Ღ	BAMUM LETTER NJEE
A6C7	Ყ	BAMUM LETTER NTEE
A6C8	Შ	BAMUM LETTER PUE
A6C9	Ჩ	BAMUM LETTER WUE
A6CA	Ც	BAMUM LETTER PEE
A6CB	Ძ	BAMUM LETTER FEE
A6CC	Წ	BAMUM LETTER RU
A6CD	Ჭ	BAMUM LETTER LU
A6CE	Ხ	BAMUM LETTER MI
A6CF	Ჯ	BAMUM LETTER NI
A6D0	Ჰ	BAMUM LETTER REUX
A6D1	Ჱ	BAMUM LETTER RAE
A6D2	Ჲ	BAMUM LETTER KEN
A6D3	Ჳ	BAMUM LETTER NGKWAEN
A6D4	Ჴ	BAMUM LETTER NGGA
A6D5	Ჵ	BAMUM LETTER NGA
A6D6	Ჶ	BAMUM LETTER SHO
A6D7	Ჷ	BAMUM LETTER PUAE
A6D8	Ჸ	BAMUM LETTER FU
A6D9	Ჹ	BAMUM LETTER FOM
A6DA	Ჺ	BAMUM LETTER WA
A6DB	᲻	BAMUM LETTER NA

A6DC	᲼	BAMUM LETTER LI
A6DD	Ჽ	BAMUM LETTER PI
A6DE	Ჾ	BAMUM LETTER LOQ
A6DF	Ჿ	BAMUM LETTER KO
A6E0	᳀	BAMUM LETTER MBEN
A6E1	᳁	BAMUM LETTER REN
A6E2	᳂	BAMUM LETTER MEN
A6E3	᳃	BAMUM LETTER MA
A6E4	᳄	BAMUM LETTER TI
A6E5	᳅	BAMUM LETTER KI
A6E6	᳆	BAMUM LETTER MO
		• also used for digit one
A6E7	᳇	BAMUM LETTER MBAA
		• also used for digit two
A6E8	᳈	BAMUM LETTER TET
		• tèt
		• also used for digit three
A6E9	᳉	BAMUM LETTER KPA
		• also used for digit four
A6EA	᳊	BAMUM LETTER TEN
		• tèn
		• also used for digit five
A6EB	᳋	BAMUM LETTER NTUU
		• also used for digit six
A6EC	᳌	BAMUM LETTER SAMBA
		• also used for digit seven
A6ED	᳍	BAMUM LETTER FAAMAE
		• also used for digit eight
A6EE	᳎	BAMUM LETTER KOVUU
		• also used for digit nine
A6EF	᳏	BAMUM LETTER KOGHOM
		• also used for digit zero
		• formerly used for number ten

**Combining marks**

A6F0	᳐	BAMUM COMBINING MARK KOQNDON
A6F1	᳑	BAMUM COMBINING MARK TUKWENTIS

**Punctuation**

A6F2	᳒	BAMUM NJAEMLI
A6F3	᳓	BAMUM FULL STOP
A6F4	᳔	BAMUM COLON
A6F5	᳕	BAMUM COMMA
A6F6	᳖	BAMUM SEMICOLON
A6F7	᳗	BAMUM QUESTION MARK

	A70	A71
0	◌̇ A700	◌̈ A710
1	◌̈ A701	◌̉ A711
2	◌̇ A702	◌̆ A712
3	◌̈ A703	◌̇ A713
4	◌̆ A704	◌̇ A714
5	◌̇ A705	◌̇ A715
6	◌̆ A706	◌̆ A716
7	◌̇ A707	◌̇ A717
8	◌̇ A708	◌̇ A718
9	◌̇ A709	◌̇ A719
A	◌̇ A70A	◌̇ A71A
B	◌̇ A70B	◌̇ A71B
C	◌̇ A70C	◌̇ A71C
D	◌̇ A70D	◌̇ A71D
E	◌̇ A70E	◌̇ A71E
F	◌̇ A70F	◌̇ A71F

**Corner tone marks for Chinese**

A700	◌̇	MODIFIER LETTER CHINESE TONE YIN PING
A701	◌̈	MODIFIER LETTER CHINESE TONE YANG PING
A702	◌̆	MODIFIER LETTER CHINESE TONE YIN SHANG
A703	◌̇	MODIFIER LETTER CHINESE TONE YANG SHANG
A704	◌̆	MODIFIER LETTER CHINESE TONE YIN QU
A705	◌̇	MODIFIER LETTER CHINESE TONE YANG QU
A706	◌̆	MODIFIER LETTER CHINESE TONE YIN RU
A707	◌̇	MODIFIER LETTER CHINESE TONE YANG RU

**Dotted tone letters**

A708	◌̇	MODIFIER LETTER EXTRA-HIGH DOTTED TONE BAR
A709	◌̇	MODIFIER LETTER HIGH DOTTED TONE BAR
A70A	◌̇	MODIFIER LETTER MID DOTTED TONE BAR
A70B	◌̇	MODIFIER LETTER LOW DOTTED TONE BAR
A70C	◌̇	MODIFIER LETTER EXTRA-LOW DOTTED TONE BAR
A70D	◌̇	MODIFIER LETTER EXTRA-HIGH DOTTED LEFT-STEM TONE BAR
A70E	◌̇	MODIFIER LETTER HIGH DOTTED LEFT-STEM TONE BAR
A70F	◌̇	MODIFIER LETTER MID DOTTED LEFT-STEM TONE BAR
A710	◌̇	MODIFIER LETTER LOW DOTTED LEFT-STEM TONE BAR
A711	◌̇	MODIFIER LETTER EXTRA-LOW DOTTED LEFT-STEM TONE BAR

**Left-stem tone letters**

A712	◌̆	MODIFIER LETTER EXTRA-HIGH LEFT-STEM TONE BAR
A713	◌̆	MODIFIER LETTER HIGH LEFT-STEM TONE BAR
A714	◌̆	MODIFIER LETTER MID LEFT-STEM TONE BAR
A715	◌̆	MODIFIER LETTER LOW LEFT-STEM TONE BAR
A716	◌̆	MODIFIER LETTER EXTRA-LOW LEFT-STEM TONE BAR

**Chinantec tone marks**

A717	◌̇	MODIFIER LETTER DOT VERTICAL BAR
A718	◌̇	MODIFIER LETTER DOT SLASH
A719	◌̇	MODIFIER LETTER DOT HORIZONTAL BAR
A71A	◌̇	MODIFIER LETTER LOWER RIGHT CORNER ANGLE

**Africanist tone letters**

A71B	◌̇	MODIFIER LETTER RAISED UP ARROW
A71C	◌̇	MODIFIER LETTER RAISED DOWN ARROW
A71D	◌̇	MODIFIER LETTER RAISED EXCLAMATION MARK
A71E	◌̇	MODIFIER LETTER RAISED INVERTED EXCLAMATION MARK
A71F	◌̇	MODIFIER LETTER LOW INVERTED EXCLAMATION MARK

	A72	A73	A74	A75	A76	A77	A78	A79	A7A	A7B	A7C	A7D	A7E	A7F
0	ƒ A720	F A730	Ƒ A740	Ɛ A750	Ʀ A760	Ƨ A770	Ƨ A780							
1	ƒ A721	s A731	Ƒ A741	Ɛ A751	Ʀ A761	Ƨ A771	Ƨ A781							
2	Ƨ A722	AA A732	Ƒ A742	Ɛ A752	Ƨ A762	Ƨ A772	Ƨ A782							
3	Ƨ A723	aa A733	Ƒ A743	Ɛ A753	Ƨ A763	Ƨ A773	Ƨ A783							
4	Ƨ A724	AO A734	Ƒ A744	Ɛ A754	Ƨ A764	Ƨ A774	Ƨ A784							
5	Ƨ A725	ao A735	Ƒ A745	Ɛ A755	Ƨ A765	Ƨ A775	Ƨ A785							
6	Ƨ A726	AU A736	Ƒ A746	Ɛ A756	Ƨ A766	Ƨ A776	Ƨ A786							
7	Ƨ A727	au A737	Ƒ A747	Ɛ A757	Ƨ A767	Ƨ A777	Ƨ A787							
8	Ƨ A728	AV A738	Ƒ A748	Ɛ A758	Ƨ A768	Ƨ A778	Ƨ A788							
9	Ƨ A729	av A739	Ƒ A749	Ɛ A759	Ƨ A769	Ƨ A779	Ƨ A789							
A	Ƨ A72A	AV A73A	Ƒ A74A	Ɛ A75A	Ƨ A76A	Ƨ A77A	Ƨ A78A							
B	Ƨ A72B	av A73B	Ƒ A74B	Ɛ A75B	Ƨ A76B	Ƨ A77B	Ƨ A78B							Ƨ A7FB
C	Ƨ A72C	AV A73C	Ƒ A74C	Ɛ A75C	Ƨ A76C	Ƨ A77C	Ƨ A78C							Ƨ A7FC
D	Ƨ A72D	av A73D	Ƒ A74D	Ɛ A75D	Ƨ A76D	Ƨ A77D								Ƨ A7FD
E	Ƨ A72E	AV A73E	Ƒ A74E	Ɛ A75E	Ƨ A76E	Ƨ A77E								Ƨ A7FE
F	Ƨ A72F	av A73F	Ƒ A74F	Ɛ A75F	Ƨ A76F	Ƨ A77F								Ƨ A7FF

**Additions for UPA**

A720 ™ MODIFIER LETTER STRESS AND HIGH TONE  
 A721 ℒ MODIFIER LETTER STRESS AND LOW TONE

**Egyptological additions**

A722 Ⲁ LATIN CAPITAL LETTER EGYPTOLOGICAL ALEF  
 A723 ⲁ LATIN SMALL LETTER EGYPTOLOGICAL ALEF  
 A724 Ⲃ LATIN CAPITAL LETTER EGYPTOLOGICAL AIN  
 A725 ⲃ LATIN SMALL LETTER EGYPTOLOGICAL AIN  
 • this is a case pair  
 → 1D25 ⲁ latin letter ain  
 → 1D5C ⲃ modifier letter small ain

**Mayanist additions**

A726 Ɀ LATIN CAPITAL LETTER HENG  
 A727 ⱽ LATIN SMALL LETTER HENG  
 A728 Ɀ LATIN CAPITAL LETTER TZ  
 A729 ⱽ LATIN SMALL LETTER TZ  
 A72A Ɀ LATIN CAPITAL LETTER TRESILLO  
 A72B ⱽ LATIN SMALL LETTER TRESILLO  
 A72C Ɀ LATIN CAPITAL LETTER CUATRILLO  
 A72D ⱽ LATIN SMALL LETTER CUATRILLO  
 A72E Ɀ LATIN CAPITAL LETTER CUATRILLO WITH  
 COMMA  
 A72F ⱽ LATIN SMALL LETTER CUATRILLO WITH  
 COMMA

**Medievalist additions**

A730 Ꝁ LATIN LETTER SMALL CAPITAL F  
 A731 ꝁ LATIN LETTER SMALL CAPITAL S  
 A732 Ꝃ LATIN CAPITAL LETTER AA  
 A733 ꝃ LATIN SMALL LETTER AA  
 A734 Ꝅ LATIN CAPITAL LETTER AO  
 A735 ꝅ LATIN SMALL LETTER AO  
 A736 Ꝇ LATIN CAPITAL LETTER AU  
 A737 ꝇ LATIN SMALL LETTER AU  
 A738 Ꝉ LATIN CAPITAL LETTER AV  
 A739 ꝉ LATIN SMALL LETTER AV  
 A73A Ꝋ LATIN CAPITAL LETTER AV WITH HORIZONTAL  
 BAR  
 A73B ꝋ LATIN SMALL LETTER AV WITH HORIZONTAL  
 BAR  
 A73C Ꝍ LATIN CAPITAL LETTER AY  
 A73D ꝍ LATIN SMALL LETTER AY  
 A73E Ꝏ LATIN CAPITAL LETTER REVERSED C WITH DOT  
 A73F ꝏ LATIN SMALL LETTER REVERSED C WITH DOT  
 A740 Ꝑ LATIN CAPITAL LETTER K WITH STROKE  
 A741 ꝑ LATIN SMALL LETTER K WITH STROKE  
 A742 Ꝓ LATIN CAPITAL LETTER K WITH DIAGONAL  
 STROKE  
 A743 ꝓ LATIN SMALL LETTER K WITH DIAGONAL  
 STROKE  
 A744 Ꝕ LATIN CAPITAL LETTER K WITH STROKE AND  
 DIAGONAL STROKE  
 A745 ꝕ LATIN SMALL LETTER K WITH STROKE AND  
 DIAGONAL STROKE  
 A746 Ꝗ LATIN CAPITAL LETTER BROKEN L  
 A747 ꝗ LATIN SMALL LETTER BROKEN L  
 A748 Ꝙ LATIN CAPITAL LETTER L WITH HIGH STROKE  
 A749 ꝙ LATIN SMALL LETTER L WITH HIGH STROKE  
 A74A Ꝛ LATIN CAPITAL LETTER O WITH LONG STROKE  
 OVERLAY  
 A74B ꝛ LATIN SMALL LETTER O WITH LONG STROKE  
 OVERLAY

A74C Œ LATIN CAPITAL LETTER O WITH LOOP  
 A74D œ LATIN SMALL LETTER O WITH LOOP  
 A74E ∞ LATIN CAPITAL LETTER OO  
 A74F ∞ LATIN SMALL LETTER OO  
 A750 Ꝑ LATIN CAPITAL LETTER P WITH STROKE  
 THROUGH DESCENDER  
 A751 ꝑ LATIN SMALL LETTER P WITH STROKE  
 THROUGH DESCENDER  
 A752 Ꝓ LATIN CAPITAL LETTER P WITH FLOURISH  
 A753 ꝓ LATIN SMALL LETTER P WITH FLOURISH  
 A754 Ꝕ LATIN CAPITAL LETTER P WITH SQUIRREL TAIL  
 A755 ꝕ LATIN SMALL LETTER P WITH SQUIRREL TAIL  
 A756 Ꝗ LATIN CAPITAL LETTER Q WITH STROKE  
 THROUGH DESCENDER  
 A757 ꝗ LATIN SMALL LETTER Q WITH STROKE  
 THROUGH DESCENDER  
 A758 Ꝙ LATIN CAPITAL LETTER Q WITH DIAGONAL  
 STROKE  
 A759 ꝙ LATIN SMALL LETTER Q WITH DIAGONAL  
 STROKE  
 A75A Ꝛ LATIN CAPITAL LETTER R ROTUNDA  
 A75B ꝛ LATIN SMALL LETTER R ROTUNDA  
 A75C Ꝝ LATIN CAPITAL LETTER RUM ROTUNDA  
 A75D ꝝ LATIN SMALL LETTER RUM ROTUNDA  
 A75E Ꝟ LATIN CAPITAL LETTER V WITH DIAGONAL  
 STROKE  
 A75F ꝟ LATIN SMALL LETTER V WITH DIAGONAL  
 STROKE  
 A760 Ꝡ LATIN CAPITAL LETTER VY  
 A761 ꝡ LATIN SMALL LETTER VY  
 A762 Ꝣ LATIN CAPITAL LETTER VISIGOTHIC Z  
 A763 ꝣ LATIN SMALL LETTER VISIGOTHIC Z  
 A764 Ꝥ LATIN CAPITAL LETTER THORN WITH STROKE  
 A765 ꝥ LATIN SMALL LETTER THORN WITH STROKE  
 A766 Ꝧ LATIN CAPITAL LETTER THORN WITH STROKE  
 THROUGH DESCENDER  
 A767 ꝧ LATIN SMALL LETTER THORN WITH STROKE  
 THROUGH DESCENDER  
 A768 Ꝩ LATIN CAPITAL LETTER VEND  
 A769 ꝩ LATIN SMALL LETTER VEND  
 A76A Ꝫ LATIN CAPITAL LETTER ET  
 A76B ꝫ LATIN SMALL LETTER ET  
 A76C Ꝭ LATIN CAPITAL LETTER IS  
 A76D ꝭ LATIN SMALL LETTER IS  
 A76E Ꝯ LATIN CAPITAL LETTER CON  
 A76F ꝯ LATIN SMALL LETTER CON  
 A770 ꝰ MODIFIER LETTER US  
 ≈ <super> A76F ꝰ  
 A771 ꝱ LATIN SMALL LETTER DUM  
 A772 ꝲ LATIN SMALL LETTER LUM  
 A773 ꝳ LATIN SMALL LETTER MUM  
 A774 ꝴ LATIN SMALL LETTER NUM  
 A775 ꝵ LATIN SMALL LETTER RUM  
 A776 ꝶ LATIN LETTER SMALL CAPITAL RUM  
 A777 ꝷ LATIN SMALL LETTER TUM  
 A778 ꝸ LATIN SMALL LETTER UM  
**Insular and Celticist letters**  
 A779 Ū LATIN CAPITAL LETTER INSULAR D  
 A77A Ū LATIN SMALL LETTER INSULAR D  
 A77B ꝰ LATIN CAPITAL LETTER INSULAR F  
 A77C ꝱ LATIN SMALL LETTER INSULAR F

A77D	Ɔ	LATIN CAPITAL LETTER INSULAR G
		• lowercase is 1D79 Ʒ
A77E	Ɔ	LATIN CAPITAL LETTER TURNED INSULAR G
A77F	Ɔ	LATIN SMALL LETTER TURNED INSULAR G
A780	Ɔ	LATIN CAPITAL LETTER TURNED L
A781	Ɔ	LATIN SMALL LETTER TURNED L
A782	Ɔ	LATIN CAPITAL LETTER INSULAR R
A783	Ɔ	LATIN SMALL LETTER INSULAR R
A784	Ɔ	LATIN CAPITAL LETTER INSULAR S
A785	Ɔ	LATIN SMALL LETTER INSULAR S
A786	Ɔ	LATIN CAPITAL LETTER INSULAR T
A787	Ɔ	LATIN SMALL LETTER INSULAR T

**Modifier letters**

A788	˘	MODIFIER LETTER LOW CIRCUMFLEX ACCENT
		→ 02C6 ˘ modifier letter circumflex accent
		→ 2038 ˘ caret
A789	:	MODIFIER LETTER COLON
		• used as a tone letter in some orthographies
		• Budu (Congo), Sabaot (Kenya), and several Papua New Guinea languages
		→ 003A : colon
A78A	=	MODIFIER LETTER SHORT EQUALS SIGN
		• used as a tone letter in some orthographies
		• Budu (Congo)
		→ 003D = equals sign

**Orthographic letters for glottals**

A78B	ʼ	LATIN CAPITAL LETTER SALTILLO
		• Meʼphaa (Mexico)
A78C	ʼ	LATIN SMALL LETTER SALTILLO
		• saltillos are used as a casing pair for glottal stop in some orthographies
		• the lowercase is widely used in many languages in Mexico and other regions, including Izero in Nigeria
		→ 0027 ʼ apostrophe
		→ 0242 ɀ latin small letter glottal stop
		→ 0294 ʔ latin letter glottal stop
		→ 02BC ʼ modifier letter apostrophe
		→ 02C0 ʔ modifier letter glottal stop

**Ancient Roman epigraphic letters**

A7FB	Ɔ	LATIN EPIGRAPHIC LETTER REVERSED F
A7FC	Ɔ	LATIN EPIGRAPHIC LETTER REVERSED P
A7FD	Ɔ	LATIN EPIGRAPHIC LETTER INVERTED M
A7FE	Ɔ	LATIN EPIGRAPHIC LETTER I LONGA
A7FF	Ɔ	LATIN EPIGRAPHIC LETTER ARCHAIC M

	A80	A81	A82
0	𑌀 A800	𑌁 A810	𑌂 A820
1	𑌃 A801	𑌄 A811	𑌅 A821
2	𑌆 A802	𑌇 A812	𑌈 A822
3	𑌉 A803	𑌊 A813	𑌋 A823
4	𑌌 A804	𑌍 A814	𑌎 A824
5	𑌏 A805	𑌐 A815	𑌑 A825
6	𑌒 A806	𑌓 A816	𑌔 A826
7	𑌕 A807	𑌖 A817	𑌗 A827
8	𑌘 A808	𑌙 A818	𑌚 A828
9	𑌛 A809	𑌜 A819	𑌝 A829
A	𑌞 A80A	𑌟 A81A	𑌠 A82A
B	𑌡 A80B	𑌢 A81B	𑌣 A82B
C	𑌤 A80C	𑌥 A81C	
D	𑌧 A80D	𑌨 A81D	
E	𑌩 A80E	𑌪 A81E	
F	𑌫 A80F	𑌬 A81F	

**Independent vowels and dvisvara**

A800	𑌀	SYLOTI NAGRI LETTER A
A801	𑌁	SYLOTI NAGRI LETTER I
A802	𑌆	SYLOTI NAGRI SIGN DVISVARA
A803	𑌉	SYLOTI NAGRI LETTER U
A804	𑌌	SYLOTI NAGRI LETTER E
A805	𑌏	SYLOTI NAGRI LETTER O

**Sign**

A806	𑌆	SYLOTI NAGRI SIGN HASANTA = halant, virama
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**Consonants and consonant signs**

A807	𑌐	SYLOTI NAGRI LETTER KO
A808	𑌙	SYLOTI NAGRI LETTER KHO
A809	𑌛	SYLOTI NAGRI LETTER GO
A80A	𑌟	SYLOTI NAGRI LETTER GHO
A80B	𑌡	SYLOTI NAGRI SIGN ANUSVARA
A80C	𑌤	SYLOTI NAGRI LETTER CO
A80D	𑌧	SYLOTI NAGRI LETTER CHO
A80E	𑌩	SYLOTI NAGRI LETTER JO
A80F	𑌫	SYLOTI NAGRI LETTER JHO
A810	𑌏	SYLOTI NAGRI LETTER TTO
A811	𑌑	SYLOTI NAGRI LETTER TTHO
A812	𑌓	SYLOTI NAGRI LETTER DDO
A813	𑌕	SYLOTI NAGRI LETTER DDHO
A814	𑌛	SYLOTI NAGRI LETTER TO
A815	𑌝	SYLOTI NAGRI LETTER THO
A816	𑌟	SYLOTI NAGRI LETTER DO
A817	𑌡	SYLOTI NAGRI LETTER DHO
A818	𑌣	SYLOTI NAGRI LETTER NO
A819	𑌥	SYLOTI NAGRI LETTER PO
A81A	𑌧	SYLOTI NAGRI LETTER PHO
A81B	𑌩	SYLOTI NAGRI LETTER BO
A81C	𑌫	SYLOTI NAGRI LETTER BHO
A81D	𑌭	SYLOTI NAGRI LETTER MO
A81E	𑌯	SYLOTI NAGRI LETTER RO
A81F	𑌱	SYLOTI NAGRI LETTER LO
A820	𑌳	SYLOTI NAGRI LETTER RRO
A821	𑌵	SYLOTI NAGRI LETTER SO
A822	𑌷	SYLOTI NAGRI LETTER HO











**Dependent vowel signs**

A823	𑌠	SYLOTI NAGRI VOWEL SIGN A
A824	𑌡	SYLOTI NAGRI VOWEL SIGN I
A825	𑌣	SYLOTI NAGRI VOWEL SIGN U
A826	𑌥	SYLOTI NAGRI VOWEL SIGN E
A827	𑌧	SYLOTI NAGRI VOWEL SIGN OO

**Poetry marks**

A828	𑌚	SYLOTI NAGRI POETRY MARK-1
A829	𑌝	SYLOTI NAGRI POETRY MARK-2
A82A	𑌠	SYLOTI NAGRI POETRY MARK-3
A82B	𑌡	SYLOTI NAGRI POETRY MARK-4



A83	
0	 A830
1	 A831
2	 A832
3	 A833
4	 A834
5	 A835
6	 A836
7	 A837
8	 A838
9	 A839
A	
B	
C	
D	
E	
F	

**Number forms**

A830		NORTH INDIC FRACTION ONE QUARTER
A831		NORTH INDIC FRACTION ONE HALF
A832		NORTH INDIC FRACTION THREE QUARTERS
A833	—	NORTH INDIC FRACTION ONE SIXTEENTH
A834	≡	NORTH INDIC FRACTION ONE EIGHTH
A835	≡	NORTH INDIC FRACTION THREE SIXTEENTHS
A836	◦	NORTH INDIC QUARTER MARK

**Miscellaneous sign**

































































A837	↷	NORTH INDIC PLACEHOLDER MARK
		• indicates the absence of an intermediate unit in a currency value

**Currency sign**

A838	₹	NORTH INDIC RUPEE MARK
	→ 09F2	↷ bengali rupee mark

**Miscellaneous sign**

A839	₹	NORTH INDIC QUANTITY MARK
		• a unit mark for various weights and measures

	A84	A85	A86	A87
0	 A840	 A850	 A860	 A870
1	 A841	 A851	 A861	 A871
2	 A842	 A852	 A862	 A872
3	 A843	 A853	 A863	 A873
4	 A844	 A854	 A864	 A874
5	 A845	 A855	 A865	 A875
6	 A846	 A856	 A866	 A876
7	 A847	 A857	 A867	 A877
8	 A848	 A858	 A868	
9	 A849	 A859	 A869	
A	 A84A	 A85A	 A86A	
B	 A84B	 A85B	 A86B	
C	 A84C	 A85C	 A86C	
D	 A84D	 A85D	 A86D	
E	 A84E	 A85E	 A86E	
F	 A84F	 A85F	 A86F	

*Phags-pa letters are used for Mongolian, Chinese, Uighur, Tibetan, and Sanskrit unless annotated with a more restricted list of languages.*

**Consonants**

- A840 ཀ PHAGS-PA LETTER KA  
• Mongolian, Chinese, Tibetan, Sanskrit  
→ 0F40 ཀ tibetan letter ka
- A841 ཁ PHAGS-PA LETTER KHA  
→ 0F41 ཁ tibetan letter kha
- A842 ག PHAGS-PA LETTER GA  
→ 0F42 ག tibetan letter ga
- A843 ཎ PHAGS-PA LETTER NGA  
• Mongolian, Chinese, Tibetan, Sanskrit  
→ 0F44 ཎ tibetan letter nga
- A844 ཐ PHAGS-PA LETTER CA  
• Chinese, Tibetan  
→ 0F45 ཐ tibetan letter ca
- A845 ཇ PHAGS-PA LETTER CHA  
• Mongolian, Chinese, Uighur, Tibetan  
→ 0F46 ཇ tibetan letter cha
- A846 ཅ PHAGS-PA LETTER JA  
• Mongolian, Chinese, Uighur, Tibetan  
→ 0F47 ཅ tibetan letter ja
- A847 ཌ PHAGS-PA LETTER NYA  
• Chinese, Tibetan, Sanskrit  
→ 0F49 ཌ tibetan letter nya
- A848 ཏ PHAGS-PA LETTER TA  
• Mongolian, Chinese, Tibetan, Sanskrit  
→ 0F4F ཏ tibetan letter ta
- A849 ཐ PHAGS-PA LETTER THA  
→ 0F50 ཐ tibetan letter tha
- A84A ཎ PHAGS-PA LETTER DA  
→ 0F51 ཎ tibetan letter da
- A84B ཏ PHAGS-PA LETTER NA  
→ 0F53 ཏ tibetan letter na
- A84C ཎ PHAGS-PA LETTER PA  
• Mongolian, Chinese, Tibetan, Sanskrit  
→ 0F54 ཎ tibetan letter pa
- A84D ཎ PHAGS-PA LETTER PHA  
• Chinese, Tibetan, Sanskrit  
→ 0F55 ཎ tibetan letter pha
- A84E ཎ PHAGS-PA LETTER BA  
→ 0F56 ཎ tibetan letter ba
- A84F ཎ PHAGS-PA LETTER MA  
→ 0F58 ཎ tibetan letter ma
- A850 ཏ PHAGS-PA LETTER TSA  
• Chinese, Tibetan, Sanskrit  
→ 0F59 ཏ tibetan letter tsa
- A851 ཏ PHAGS-PA LETTER TSHA  
• Mongolian, Chinese, Tibetan, Sanskrit  
→ 0F5A ཏ tibetan letter tsha
- A852 ཎ PHAGS-PA LETTER DZA  
• Chinese, Tibetan, Sanskrit  
→ 0F5B ཎ tibetan letter dza
- A853 ཎ PHAGS-PA LETTER WA  
→ 0F5D ཎ tibetan letter wa
- A854 ཎ PHAGS-PA LETTER ZHA  
• Chinese, Tibetan  
→ 0F5E ཎ tibetan letter zha

- A855 ཎ PHAGS-PA LETTER ZA  
• Mongolian, Chinese, Tibetan  
→ 0F5F ཎ tibetan letter za
- A856 ཎ PHAGS-PA LETTER SMALL A  
→ 0F60 ཎ tibetan letter -a
- A857 ཎ PHAGS-PA LETTER YA  
→ 0F61 ཎ tibetan letter ya
- A858 ཎ PHAGS-PA LETTER RA  
• Mongolian, Uighur, Tibetan, Sanskrit  
→ 0F62 ཎ tibetan letter ra
- A859 ཎ PHAGS-PA LETTER LA  
→ 0F63 ཎ tibetan letter la
- A85A ཎ PHAGS-PA LETTER SHA  
→ 0F64 ཎ tibetan letter sha
- A85B ཎ PHAGS-PA LETTER SA  
→ 0F66 ཎ tibetan letter sa
- A85C ཎ PHAGS-PA LETTER HA  
→ 0F67 ཎ tibetan letter ha

**Letter A**

- A85D ཎ PHAGS-PA LETTER A  
→ 0F68 ཎ tibetan letter a

**Vowels**

- A85E ཎ PHAGS-PA LETTER I  
→ 0F72 ཎ tibetan vowel sign i
- A85F ཎ PHAGS-PA LETTER U  
→ 0F74 ཎ tibetan vowel sign u
- A860 ཎ PHAGS-PA LETTER E  
→ 0F7A ཎ tibetan vowel sign e
- A861 ཎ PHAGS-PA LETTER O  
→ 0F7C ཎ tibetan vowel sign o

**Consonants**

- A862 ཎ PHAGS-PA LETTER QA  
• Mongolian, Uighur
- A863 ཎ PHAGS-PA LETTER XA  
• Mongolian, Chinese
- A864 ཎ PHAGS-PA LETTER FA  
• Chinese, Uighur  
→ A85C ཎ phags-pa letter ha
- A865 ཎ PHAGS-PA LETTER GGA  
• language usage unknown  
• created by reversal of A862 ཎ

**Vowel**

- A866 ཎ PHAGS-PA LETTER EE  
• Mongolian, Chinese, Uighur

**Subjoined consonants**

- A867 ཎ PHAGS-PA SUBJOINED LETTER WA  
• Chinese, Tibetan, Sanskrit  
→ 0FAD ཎ tibetan subjoined letter wa
- A868 ཎ PHAGS-PA SUBJOINED LETTER YA  
• Chinese, Tibetan, Sanskrit  
→ 0FB1 ཎ tibetan subjoined letter ya

**Consonant additions for Sanskrit**

- A869 ཎ PHAGS-PA LETTER TTA  
• Sanskrit  
→ 0F4A ཎ tibetan letter tta
- A86A ཎ PHAGS-PA LETTER TTHA  
• Sanskrit  
→ 0F4B ཎ tibetan letter ttha

A86B ཎ PHAGS-PA LETTER DDA  
 • Sanskrit  
 → 0F4C ཎ tibetan letter dda

A86C ཎ PHAGS-PA LETTER NNA  
 • Sanskrit  
 → 0F4E ཎ tibetan letter nna

#### Alternate consonant forms for Chinese

A86D ཎ PHAGS-PA LETTER ALTERNATE YA  
 • Chinese  
 → A857 ཎ phags-pa letter ya

A86E ཎ PHAGS-PA LETTER VOICELESS SHA  
 • Chinese  
 → A85A ཎ phags-pa letter sha

A86F ཎ PHAGS-PA LETTER VOICED HA  
 • Chinese  
 → A85C ཎ phags-pa letter ha

A870 ཎ PHAGS-PA LETTER ASPIRATED FA  
 • Chinese  
 → A864 ཎ phags-pa letter fa

#### Subjoined consonant

A871 ཎ PHAGS-PA SUBJOINED LETTER RA  
 • Tibetan, Sanskrit  
 → 0FB2 ཎ tibetan subjoined letter ra

#### Consonant addition for Tibetan

A872 ཎ PHAGS-PA SUPERFIXED LETTER RA  
 • Tibetan  
 → 0F62 ཎ tibetan letter ra

#### Candrabindu

A873 ཎ PHAGS-PA LETTER CANDRABINDU  
 • Sanskrit  
 → 0F83 ཎ tibetan sign sna ldan  
 → 0F7E ཎ tibetan sign rjes su nga ro  
 → 1880 ཎ mongolian letter ali gali anusvara one

#### Head marks for Tibetan

A874 ཎ PHAGS-PA SINGLE HEAD MARK  
 • Tibetan  
 • marks beginning of text  
 → 0F04 ཎ tibetan mark initial yig mgo mdun ma  
 → 1800 ཎ mongolian birga

A875 ཎ PHAGS-PA DOUBLE HEAD MARK  
 • Tibetan  
 • marks beginning of text

#### Punctuation for Tibetan

A876 ཎ PHAGS-PA MARK SHAD  
 • Tibetan

→ 0F0D ཎ tibetan mark shad

A877 ཎ PHAGS-PA MARK DOUBLE SHAD  
 • Tibetan  
 → 0F0E ཎ tibetan mark nyis shad

	A88	A89	A8A	A8B	A8C	A8D
0	◌ <sup>◦</sup> A880	૩ A890	ૣ A8A0	૤ A8B0	૥ A8C0	૦ A8D0
1	◌ <sup>◦◦</sup> A881	ૣ A891	ૣ A8A1	૤ A8B1	૥ A8C1	૦ A8D1
2	૲ A882	૳ A892	૴ A8A2	૵ A8B2	૶ A8C2	૧ A8D2
3	૷ A883	૸ A893	ૹ A8A3	ૺ A8B3	ૻ A8C3	૨ A8D3
4	૽ A884	૾ A894	૿ A8A4	ૼ A8B4	૽ A8C4	૩ A8D4
5	૾ A885	૿ A895	૰ A8A5	૽ A8B5		૪ A8D5
6	૿ A886	૰ A896	૰ A8A6	૾ A8B6		૫ A8D6
7	૰ A887	૰ A897	૰ A8A7	૿ A8B7		૬ A8D7
8	૰ A888	૰ A898	૰ A8A8	૰ A8B8		૭ A8D8
9	૰ A889	૰ A899	૰ A8A9	૰ A8B9		૮ A8D9
A	૰ A88A	૰ A89A	૰ A8AA	૰ A8BA		
B	૰ A88B	૰ A89B	૰ A8AB	૰ A8BB		
C	૰ A88C	૰ A89C	૰ A8AC	૰ A8BC		
D	૰ A88D	૰ A89D	૰ A8AD	૰ A8BD		
E	૰ A88E	૰ A89E	૰ A8AE	૰ A8BE	૰ A8CE	
F	૰ A88F	૰ A89F	૰ A8AF	૰ A8BF	૰ A8CF	

**Various signs**

A880 ◌̣ SAURASHTRA SIGN ANUSVARA  
 A881 ◌̣̣ SAURASHTRA SIGN VISARGA

**Independent vowels**

A882 अ SAURASHTRA LETTER A  
 A883 आ SAURASHTRA LETTER AA  
 A884 इ SAURASHTRA LETTER I  
 A885 ई SAURASHTRA LETTER II  
 A886 उ SAURASHTRA LETTER U  
 A887 ऊ SAURASHTRA LETTER UU  
 A888 ए SAURASHTRA LETTER VOCALIC R  
 A889 ऐ SAURASHTRA LETTER VOCALIC RR  
 A88A ओ SAURASHTRA LETTER VOCALIC L  
 A88B औ SAURASHTRA LETTER VOCALIC LL  
 A88C ए SAURASHTRA LETTER E  
 A88D ऐ SAURASHTRA LETTER EE  
 A88E औ SAURASHTRA LETTER AI  
 A88F ओ SAURASHTRA LETTER O  
 A890 औ SAURASHTRA LETTER OO  
 A891 आ SAURASHTRA LETTER AU

**Consonants**

A892 क SAURASHTRA LETTER KA  
 A893 ख SAURASHTRA LETTER KHA  
 A894 ग SAURASHTRA LETTER GA  
 A895 घ SAURASHTRA LETTER GHA  
 A896 ङ SAURASHTRA LETTER NGA  
 A897 च SAURASHTRA LETTER CA  
 A898 छ SAURASHTRA LETTER CHA  
 A899 ज SAURASHTRA LETTER JA  
 A89A झ SAURASHTRA LETTER JHA  
 A89B ञ SAURASHTRA LETTER NYA  
 A89C ट SAURASHTRA LETTER TTA  
 A89D ठ SAURASHTRA LETTER TTHA  
 A89E ड SAURASHTRA LETTER DDA  
 A89F ढ SAURASHTRA LETTER DDHA  
 A8A0 ण SAURASHTRA LETTER NNA  
 A8A1 त SAURASHTRA LETTER TA  
 A8A2 थ SAURASHTRA LETTER THA  
 A8A3 द SAURASHTRA LETTER DA  
 A8A4 ध SAURASHTRA LETTER DHA  
 A8A5 न SAURASHTRA LETTER NA  
 A8A6 प SAURASHTRA LETTER PA  
 A8A7 फ SAURASHTRA LETTER PHA  
 A8A8 ब SAURASHTRA LETTER BA  
 A8A9 भ SAURASHTRA LETTER BHA  
 A8AA म SAURASHTRA LETTER MA  
 A8AB य SAURASHTRA LETTER YA  
 A8AC र SAURASHTRA LETTER RA  
 A8AD ल SAURASHTRA LETTER LA  
 A8AE व SAURASHTRA LETTER VA  
 A8AF श SAURASHTRA LETTER SHA  
 A8B0 ष SAURASHTRA LETTER SSA  
 A8B1 स SAURASHTRA LETTER SA  
 A8B2 ह SAURASHTRA LETTER HA  
 A8B3 ळ SAURASHTRA LETTER LLA  
 A8B4 ◌̣ SAURASHTRA CONSONANT SIGN HAARU

**Dependent vowel signs**

A8B5 ◌̣̣ SAURASHTRA VOWEL SIGN AA  
 A8B6 ◌̣̣̣ SAURASHTRA VOWEL SIGN I

A8B7 ◌̣̣̣ SAURASHTRA VOWEL SIGN II  
 A8B8 ◌̣̣̣̣ SAURASHTRA VOWEL SIGN U  
 A8B9 ◌̣̣̣̣̣ SAURASHTRA VOWEL SIGN UU  
 A8BA ◌̣̣̣̣̣̣ SAURASHTRA VOWEL SIGN VOCALIC R  
 A8BB ◌̣̣̣̣̣̣̣ SAURASHTRA VOWEL SIGN VOCALIC RR  
 A8BC ◌̣̣̣̣̣̣̣̣ SAURASHTRA VOWEL SIGN VOCALIC L  
 A8BD ◌̣̣̣̣̣̣̣̣̣ SAURASHTRA VOWEL SIGN VOCALIC LL  
 A8BE ◌̣̣̣̣̣̣̣̣̣̣ SAURASHTRA VOWEL SIGN E  
 A8BF ◌̣̣̣̣̣̣̣̣̣̣̣ SAURASHTRA VOWEL SIGN EE  
 A8C0 ◌̣̣̣̣̣̣̣̣̣̣̣̣ SAURASHTRA VOWEL SIGN AI  
 A8C1 ◌̣̣̣̣̣̣̣̣̣̣̣̣̣ SAURASHTRA VOWEL SIGN O  
 A8C2 ◌̣̣̣̣̣̣̣̣̣̣̣̣̣̣ SAURASHTRA VOWEL SIGN OO  
 A8C3 ◌̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣ SAURASHTRA VOWEL SIGN AU

**Virama**

A8C4 ◌̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣ SAURASHTRA SIGN VIRAMA

**Punctuation**

A8CE | SAURASHTRA DANDA  
 A8CF || SAURASHTRA DOUBLE DANDA

**Digits**

A8D0 ० SAURASHTRA DIGIT ZERO  
 A8D1 १ SAURASHTRA DIGIT ONE  
 A8D2 २ SAURASHTRA DIGIT TWO  
 A8D3 ३ SAURASHTRA DIGIT THREE  
 A8D4 ४ SAURASHTRA DIGIT FOUR  
 A8D5 ५ SAURASHTRA DIGIT FIVE  
 A8D6 ६ SAURASHTRA DIGIT SIX  
 A8D7 ७ SAURASHTRA DIGIT SEVEN  
 A8D8 ८ SAURASHTRA DIGIT EIGHT  
 A8D9 ९ SAURASHTRA DIGIT NINE

	A8E	A8F
0	० A8E0	वि A8F0
1	१ A8E1	ॡ A8F1
2	२ A8E2	ॢ A8F2
3	३ A8E3	ॣ A8F3
4	४ A8E4	। A8F4
5	५ A8E5	॥ A8F5
6	६ A8E6	० A8F6
7	७ A8E7	ॡ A8F7
8	८ A8E8	ॢ A8F8
9	९ A8E9	ॣ A8F9
A	अ A8EA	॥ A8FA
B	उ A8EB	— A8FB
C	क A8EC	
D	न A8ED	
E	प A8EE	
F	र A8EF	

**Cantillation marks for the Samaveda**

A8E0	◌̐	COMBINING DEVANAGARI DIGIT ZERO = vaidika saamasvara anka shuunya
A8E1	◌̑	COMBINING DEVANAGARI DIGIT ONE = vaidika saamasvara anka eka udaatta
A8E2	◌̒	COMBINING DEVANAGARI DIGIT TWO = vaidika saamasvara anka dvi svarita
A8E3	◌̓	COMBINING DEVANAGARI DIGIT THREE = vaidika saamasvara anka tri anudaatta
A8E4	◌̔	COMBINING DEVANAGARI DIGIT FOUR = vaidika saamasvara anka chatur
A8E5	◌̕	COMBINING DEVANAGARI DIGIT FIVE = vaidika saamasvara anka pancha
A8E6	◌̖	COMBINING DEVANAGARI DIGIT SIX = vaidika saamasvara anka shatt
A8E7	◌̗	COMBINING DEVANAGARI DIGIT SEVEN = vaidika saamasvara anka sapta
A8E8	◌̘	COMBINING DEVANAGARI DIGIT EIGHT = vaidika saamasvara anka ashta
A8E9	◌̙	COMBINING DEVANAGARI DIGIT NINE = vaidika saamasvara anka nava
A8EA	◌̚	COMBINING DEVANAGARI LETTER A = vaidika saamasvara abhinihita
A8EB	◌̛	COMBINING DEVANAGARI LETTER U = vaidika saamasvara u
A8EC	◌̜	COMBINING DEVANAGARI LETTER KA = vaidika saamasvara ka
A8ED	◌̝	COMBINING DEVANAGARI LETTER NA = vaidika saamasvara namana
A8EE	◌̞	COMBINING DEVANAGARI LETTER PA = vaidika saamasvara prannatam
A8EF	◌̟	COMBINING DEVANAGARI LETTER RA = vaidika saamasvara ra
A8F0	◌̠	COMBINING DEVANAGARI LETTER VI = vaidika saamasvara vinata
A8F1	◌̡	COMBINING DEVANAGARI SIGN AVAGRAHA = vaidika saamasvara diirghiihbaava

**Marks of nasalization**

A8F2	◌̣	DEVANAGARI SIGN SPACING CANDRABINDU = vaidika candrabindu → 0901 ◌̣ devanagari sign candrabindu
A8F3	◌̤	DEVANAGARI SIGN CANDRABINDU VIRAMA = vaidika anusvaara candrabindu tiryak
A8F4	◌̥	DEVANAGARI SIGN DOUBLE CANDRABINDU VIRAMA = vaidika anusvaara dvi candrabindu tiryak
A8F5	◌̦	DEVANAGARI SIGN CANDRABINDU TWO = vaidika anusvaara candrabindu sa-dvi
A8F6	◌̧	DEVANAGARI SIGN CANDRABINDU THREE = vaidika anusvaara candrabindu sa-tri
A8F7	◌̨	DEVANAGARI SIGN CANDRABINDU AVAGRAHA = vaidika anusvaara candrabindu sa-avagraha

**Editorial marks**

A8F8	◌̩	DEVANAGARI SIGN PUSHPIKA = vaidika pushpikaa • used as a placeholder or “filler” • often flanked by double dandas
A8F9	◌̪	DEVANAGARI GAP FILLER • used to indicate that a gap in a manuscript or text is not a lacuna

A8FA	◌̫	DEVANAGARI CARET = vaidika trutikaa • zero-advance character centered on the point between two orthographic syllables • used for insertion of characters → 2038 ◌̫ caret
A8FB	◌̬	DEVANAGARI HEADSTROKE = shirorekhaa • used to indicate uncertain manuscript readings



	A90	A91	A92
0	𑄀 A900	𑄁 A910	𑄂 A920
1	𑄃 A901	𑄄 A911	𑄅 A921
2	𑄆 A902	𑄇 A912	𑄈 A922
3	𑄉 A903	𑄊 A913	𑄋 A923
4	𑄌 A904	𑄍 A914	𑄎 A924
5	𑄏 A905	𑄐 A915	𑄑 A925
6	𑄒 A906	𑄓 A916	𑄔 A926
7	𑄕 A907	𑄖 A917	𑄗 A927
8	𑄘 A908	𑄙 A918	𑄚 A928
9	𑄛 A909	𑄜 A919	𑄝 A929
A	𑄞 A90A	𑄟 A91A	𑄠 A92A
B	𑄡 A90B	𑄢 A91B	𑄣 A92B
C	𑄤 A90C	𑄥 A91C	𑄦 A92C
D	𑄧 A90D	𑄨 A91D	𑄩 A92D
E	𑄪 A90E	𑄫 A91E	𑄬 A92E
F	𑄭 A90F	𑄮 A91F	𑄯 A92F

**Digits**

A900	𑄀	KAYAH LI DIGIT ZERO
A901	𑄃	KAYAH LI DIGIT ONE
A902	𑄆	KAYAH LI DIGIT TWO
A903	𑄉	KAYAH LI DIGIT THREE
A904	𑄌	KAYAH LI DIGIT FOUR
A905	𑄏	KAYAH LI DIGIT FIVE
A906	𑄒	KAYAH LI DIGIT SIX
A907	𑄕	KAYAH LI DIGIT SEVEN
A908	𑄘	KAYAH LI DIGIT EIGHT
A909	𑄛	KAYAH LI DIGIT NINE

**Consonants**

A90A	𑄞	KAYAH LI LETTER KA
A90B	𑄡	KAYAH LI LETTER KHA
A90C	𑄤	KAYAH LI LETTER GA
A90D	𑄧	KAYAH LI LETTER NGA
A90E	𑄪	KAYAH LI LETTER SA
A90F	𑄭	KAYAH LI LETTER SHA
A910	𑄐	KAYAH LI LETTER ZA
A911	𑄓	KAYAH LI LETTER NYA
A912	𑄖	KAYAH LI LETTER TA
A913	𑄙	KAYAH LI LETTER HTA
A914	𑄜	KAYAH LI LETTER NA
A915	𑄟	KAYAH LI LETTER PA
A916	𑄛	KAYAH LI LETTER PHA
A917	𑄕	KAYAH LI LETTER MA
A918	𑄙	KAYAH LI LETTER DA
A919	𑄛	KAYAH LI LETTER BA
A91A	𑄟	KAYAH LI LETTER RA
A91B	𑄢	KAYAH LI LETTER YA
A91C	𑄥	KAYAH LI LETTER LA
A91D	𑄨	KAYAH LI LETTER WA
A91E	𑄫	KAYAH LI LETTER THA
A91F	𑄮	KAYAH LI LETTER HA
A920	𑄱	KAYAH LI LETTER VA
A921	𑄴	KAYAH LI LETTER CA
A922	𑄷	KAYAH LI LETTER A
A923	𑄺	KAYAH LI LETTER OE
A924	𑄽	KAYAH LI LETTER I
A925	𑄿	KAYAH LI LETTER OO

**Vowels**











































A926	𑄔	KAYAH LI VOWEL UE
A927	𑄗	KAYAH LI VOWEL E
A928	𑄚	KAYAH LI VOWEL U
A929	𑄝	KAYAH LI VOWEL EE
A92A	𑄠	KAYAH LI VOWEL O

**Tone marks**
























A92B	𑄣	KAYAH LI TONE PLOPHU
A92C	𑄦	KAYAH LI TONE CALYA
A92D	𑄩	KAYAH LI TONE CALYA PLOPHU

**Punctuation**

A92E	𑄬	KAYAH LI SIGN CWI
A92F	𑄯	KAYAH LI SIGN SHYA









	A93	A94	A95
0	 A930	 A940	 A950
1	 A931	 A941	 A951
2	 A932	 A942	 A952
3	 A933	 A943	 A953
4	 A934	 A944	
5	 A935	 A945	
6	 A936	 A946	
7	 A937	 A947	
8	 A938	 A948	
9	 A939	 A949	
A	 A93A	 A94A	
B	 A93B	 A94B	
C	 A93C	 A94C	
D	 A93D	 A94D	
E	 A93E	 A94E	
F	 A93F	 A94F	

**Consonants**

- A930  REJANG LETTER KA
- A931  REJANG LETTER GA
- A932  REJANG LETTER NGA
- A933  REJANG LETTER TA
- A934  REJANG LETTER DA
- A935  REJANG LETTER NA
- A936  REJANG LETTER PA
- A937  REJANG LETTER BA
- A938  REJANG LETTER MA
- A939  REJANG LETTER CA
- A93A  REJANG LETTER JA
- A93B  REJANG LETTER NYA
- A93C  REJANG LETTER SA
- A93D  REJANG LETTER RA
- A93E  REJANG LETTER LA
- A93F  REJANG LETTER YA
- A940  REJANG LETTER WA
- A941  REJANG LETTER HA
- A942  REJANG LETTER MBA
- A943  REJANG LETTER NGGA
- A944  REJANG LETTER NDA
- A945  REJANG LETTER NYJA
- A946  REJANG LETTER A




**Vowel signs**

*Shown here is the nominal position of the vowel signs relative to the dotted circle before taking account of the oblique nature of the script.*

- A947  REJANG VOWEL SIGN I  
= kaluan
- A948  REJANG VOWEL SIGN U  
= kamitan
- A949  REJANG VOWEL SIGN E  
= kamica
- A94A  REJANG VOWEL SIGN AI  
= katiling
- A94B  REJANG VOWEL SIGN O
- A94C  REJANG VOWEL SIGN AU  
= katulung
- A94D  REJANG VOWEL SIGN EU
- A94E  REJANG VOWEL SIGN EA  
= kajina

**Consonant signs**

*Shown here is the nominal position of the consonant signs relative to the dotted circle before taking account of the oblique nature of the script.*

- A94F  REJANG CONSONANT SIGN NG  
= katulang
- A950  REJANG CONSONANT SIGN N  
= duo deatas
- A951  REJANG CONSONANT SIGN R  
= kajunjung
- A952  REJANG CONSONANT SIGN H

**Virama**

- A953  REJANG VIRAMA  
• does not form conjuncts

**Punctuation**

- A95F  REJANG SECTION MARK

	A96	A97
0	ㄱ A960	ㅋ A970
1	ㄷ A961	ㅌ A971
2	ㄴ A962	ㄹ A972
3	ㄷ A963	ㅌ A973
4	ㄷ A964	ㅌ A974
5	ㄷ A965	ㅌ A975
6	ㄷ A966	ㅌ A976
7	ㄷ A967	ㅌ A977
8	ㄷ A968	ㅌ A978
9	ㄷ A969	ㅌ A979
A	ㄷ A96A	ㅌ A97A
B	ㄷ A96B	ㅌ A97B
C	ㄷ A96C	ㅌ A97C
D	ㄷ A96D	
E	ㄷ A96E	
F	ㄷ A96F	

**Initial consonants**

- A960 ㄱ HANGUL CHOSEONG TIKEUT-MIEUM
- A961 ㅋ HANGUL CHOSEONG TIKEUT-PIEUP
- A962 ㄴ HANGUL CHOSEONG TIKEUT-SIOS
- A963 ㄷ HANGUL CHOSEONG TIKEUT-CIEUC
- A964 ㄷ HANGUL CHOSEONG RIEUL-KIYEOK
- A965 ㄷ HANGUL CHOSEONG RIEUL-SSANGKIYEOK
- A966 ㄷ HANGUL CHOSEONG RIEUL-TIKEUT
- A967 ㄷ HANGUL CHOSEONG RIEUL-SSANGTIKEUT
- A968 ㄷ HANGUL CHOSEONG RIEUL-MIEUM
- A969 ㄷ HANGUL CHOSEONG RIEUL-PIEUP
- A96A ㄷ HANGUL CHOSEONG RIEUL-SSANGPIEUP
- A96B ㄷ HANGUL CHOSEONG RIEUL-KAPYEOUNPIEUP
- A96C ㄷ HANGUL CHOSEONG RIEUL-SIOS
- A96D ㄷ HANGUL CHOSEONG RIEUL-CIEUC
- A96E ㄷ HANGUL CHOSEONG RIEUL-KHIEUKH
- A96F ㄷ HANGUL CHOSEONG MIEUM-KIYEOK
- A970 ㅌ HANGUL CHOSEONG MIEUM-TIKEUT
- A971 ㅌ HANGUL CHOSEONG MIEUM-SIOS
- A972 ㅌ HANGUL CHOSEONG PIEUP-SIOS-THIEUTH
- A973 ㅌ HANGUL CHOSEONG PIEUP-KHIEUKH
- A974 ㅌ HANGUL CHOSEONG PIEUP-HIEUH
- A975 ㅌ HANGUL CHOSEONG SSANGSIOS-PIEUP
- A976 ㄹ HANGUL CHOSEONG IEUNG-RIEUL
- A977 ㄹ HANGUL CHOSEONG IEUNG-HIEUH
- A978 ㄹ HANGUL CHOSEONG SSANGCIEUC-HIEUH
- A979 ㄹ HANGUL CHOSEONG SSANGTHIEUTH
- A97A ㄹ HANGUL CHOSEONG PHIEUPH-HIEUH
- A97B ㄹ HANGUL CHOSEONG HIEUH-SIOS
- A97C ㄹ HANGUL CHOSEONG SSANGYEORINHIEUH

	A98	A99	A9A	A9B	A9C	A9D
0	ꦱ A980	ꦲꦏꦏ A990	ꦲꦏꦏ A9A0	ꦲꦏꦏ A9B0	ꦲꦏꦏ A9C0	ꦲꦏꦏ A9D0
1	ꦱꦱꦱ A981	ꦱꦱꦱ A991	ꦱꦱꦱ A9A1	ꦱꦱꦱ A9B1	ꦱꦱꦱ A9C1	ꦱꦱꦱ A9D1
2	ꦱꦱꦱ A982	ꦱꦱꦱ A992	ꦱꦱꦱ A9A2	ꦱꦱꦱ A9B2	ꦱꦱꦱ A9C2	ꦱꦱꦱ A9D2
3	ꦱꦱꦱ A983	ꦱꦱꦱ A993	ꦱꦱꦱ A9A3	ꦱꦱꦱ A9B3	ꦱꦱꦱ A9C3	ꦱꦱꦱ A9D3
4	ꦱꦱꦱ A984	ꦱꦱꦱ A994	ꦱꦱꦱ A9A4	ꦱꦱꦱ A9B4	ꦱꦱꦱ A9C4	ꦱꦱꦱ A9D4
5	ꦱꦱꦱ A985	ꦱꦱꦱ A995	ꦱꦱꦱ A9A5	ꦱꦱꦱ A9B5	ꦱꦱꦱ A9C5	ꦱꦱꦱ A9D5
6	ꦱꦱꦱ A986	ꦱꦱꦱ A996	ꦱꦱꦱ A9A6	ꦱꦱꦱ A9B6	ꦱꦱꦱ A9C6	ꦱꦱꦱ A9D6
7	ꦱꦱꦱ A987	ꦱꦱꦱ A997	ꦱꦱꦱ A9A7	ꦱꦱꦱ A9B7	ꦱꦱꦱ A9C7	ꦱꦱꦱ A9D7
8	ꦱꦱꦱ A988	ꦱꦱꦱ A998	ꦱꦱꦱ A9A8	ꦱꦱꦱ A9B8	ꦱꦱꦱ A9C8	ꦱꦱꦱ A9D8
9	ꦱꦱꦱ A989	ꦱꦱꦱ A999	ꦱꦱꦱ A9A9	ꦱꦱꦱ A9B9	ꦱꦱꦱ A9C9	ꦱꦱꦱ A9D9
A	ꦱꦱꦱ A98A	ꦱꦱꦱ A99A	ꦱꦱꦱ A9AA	ꦱꦱꦱ A9BA	ꦱꦱꦱ A9CA	
B	ꦱꦱꦱ A98B	ꦱꦱꦱ A99B	ꦱꦱꦱ A9AB	ꦱꦱꦱ A9BB	ꦱꦱꦱ A9CB	
C	ꦱꦱꦱ A98C	ꦱꦱꦱ A99C	ꦱꦱꦱ A9AC	ꦱꦱꦱ A9BC	ꦱꦱꦱ A9CC	
D	ꦱꦱꦱ A98D	ꦱꦱꦱ A99D	ꦱꦱꦱ A9AD	ꦱꦱꦱ A9BD	ꦱꦱꦱ A9CD	
E	ꦱꦱꦱ A98E	ꦱꦱꦱ A99E	ꦱꦱꦱ A9AE	ꦱꦱꦱ A9BE		ꦱꦱꦱ A9DE
F	ꦱꦱꦱ A98F	ꦱꦱꦱ A99F	ꦱꦱꦱ A9AF	ꦱꦱꦱ A9BF	ꦱꦱꦱ A9CF	ꦱꦱꦱ A9DF



A9CD ꦶ JAVANESE TURNED PADA PISELEH

**Syllable reduplicator**

A9CF ꦶ JAVANESE PANGRANGKEP  
→ 0662ꦶ arabic-indic digit two

**Digits**

A9D0 0 JAVANESE DIGIT ZERO

A9D1 ꦠꦩ JAVANESE DIGIT ONE

A9D2 ꦠꦶ JAVANESE DIGIT TWO

A9D3 ꦠꦶꦱ JAVANESE DIGIT THREE

A9D4 ꦠꦶꦱꦶ JAVANESE DIGIT FOUR

A9D5 ꦠꦶꦱꦶꦱ JAVANESE DIGIT FIVE

A9D6 ꦠꦶꦱꦶꦱꦶ JAVANESE DIGIT SIX

A9D7 ꦠꦶꦱꦶꦱꦶꦱ JAVANESE DIGIT SEVEN

































































































A9D8 ꦠꦶꦱꦶꦱꦶꦱꦶ JAVANESE DIGIT EIGHT

A9D9 ꦠꦶꦱꦶꦱꦶꦱꦶꦱ JAVANESE DIGIT NINE

**Ellipsis marks**

A9DE 0 JAVANESE PADA TIRTA TUMETES

A9DF ꦩ JAVANESE PADA ISEN-ISEN

	AA0	AA1	AA2	AA3	AA4	AA5
0	 AA00	 AA10	 AA20	 AA30	 AA40	 AA50
1	 AA01	 AA11	 AA21	 AA31	 AA41	 AA51
2	 AA02	 AA12	 AA22	 AA32	 AA42	 AA52
3	 AA03	 AA13	 AA23	 AA33	 AA43	 AA53
4	 AA04	 AA14	 AA24	 AA34	 AA44	 AA54
5	 AA05	 AA15	 AA25	 AA35	 AA45	 AA55
6	 AA06	 AA16	 AA26	 AA36	 AA46	 AA56
7	 AA07	 AA17	 AA27		 AA47	 AA57
8	 AA08	 AA18	 AA28		 AA48	 AA58
9	 AA09	 AA19	 AA29		 AA49	 AA59
A	 AA0A	 AA1A	 AA2A		 AA4A	
B	 AA0B	 AA1B	 AA2B		 AA4B	
C	 AA0C	 AA1C	 AA2C		 AA4C	 AA5C
D	 AA0D	 AA1D	 AA2D		 AA4D	 AA5D
E	 AA0E	 AA1E	 AA2E			 AA5E
F	 AA0F	 AA1F	 AA2F			 AA5F

**Independent vowels**

AA00	ꨀ	CHAM LETTER A
AA01	ꨁ	CHAM LETTER I
AA02	ꨂ	CHAM LETTER U
AA03	ꨃ	CHAM LETTER E
AA04	ꨄ	CHAM LETTER AI
AA05	ꨅ	CHAM LETTER O

**Consonants**

AA06	ꨆ	CHAM LETTER KA
AA07	ꨇ	CHAM LETTER KHA
AA08	ꨈ	CHAM LETTER GA
AA09	ꨉ	CHAM LETTER GHA
AA0A	ꨊ	CHAM LETTER NGUE
AA0B	ꨋ	CHAM LETTER NGA
AA0C	ꨌ	CHAM LETTER CHA
AA0D	ꨍ	CHAM LETTER CHHA
AA0E	ꨎ	CHAM LETTER JA
AA0F	ꨏ	CHAM LETTER JHA
AA10	ꨐ	CHAM LETTER NHUE
AA11	ꨑ	CHAM LETTER NHA
AA12	ꨒ	CHAM LETTER NHJA
AA13	ꨓ	CHAM LETTER TA
AA14	ꨔ	CHAM LETTER THA
AA15	ꨕ	CHAM LETTER DA
AA16	ꨖ	CHAM LETTER DHA
AA17	ꨗ	CHAM LETTER NUE
AA18	ꨘ	CHAM LETTER NA
AA19	ꨙ	CHAM LETTER DDA
AA1A	ꨚ	CHAM LETTER PA
AA1B	ꨛ	CHAM LETTER PPA
AA1C	ꨜ	CHAM LETTER PHA
AA1D	ꨝ	CHAM LETTER BA
AA1E	ꨞ	CHAM LETTER BHA
AA1F	ꨟ	CHAM LETTER MUE
AA20	ꨠ	CHAM LETTER MA
AA21	ꨡ	CHAM LETTER BBA
AA22	ꨢ	CHAM LETTER YA
AA23	ꨣ	CHAM LETTER RA
AA24	ꨤ	CHAM LETTER LA
AA25	ꨥ	CHAM LETTER VA
AA26	ꨦ	CHAM LETTER SSA
AA27	ꨧ	CHAM LETTER SA
AA28	ꨨ	CHAM LETTER HA

**Dependent vowel signs**

AA29	ꨩ	CHAM VOWEL SIGN AA
AA2A	ꨪ	CHAM VOWEL SIGN I
AA2B	ꨫ	CHAM VOWEL SIGN II
AA2C	ꨬ	CHAM VOWEL SIGN EI
AA2D	ꨭ	CHAM VOWEL SIGN U
AA2E	ꨮ	CHAM VOWEL SIGN OE
AA2F	ꨯ	CHAM VOWEL SIGN O
AA30	ꨰ	CHAM VOWEL SIGN AI
AA31	ꨱ	CHAM VOWEL SIGN AU
AA32	ꨲ	CHAM VOWEL SIGN UE

**Consonant signs**

AA33	ꨳ	CHAM CONSONANT SIGN YA
AA34	ꨴ	CHAM CONSONANT SIGN RA
AA35	ꨵ	CHAM CONSONANT SIGN LA
AA36	ꨶ	CHAM CONSONANT SIGN WA

**Final letters**

AA40	꨷	CHAM LETTER FINAL K
AA41	꨸	CHAM LETTER FINAL G
AA42	꨹	CHAM LETTER FINAL NG
AA43	꨺	CHAM CONSONANT SIGN FINAL NG
AA44	꨻	CHAM LETTER FINAL CH
AA45	꨼	CHAM LETTER FINAL T
AA46	꨽	CHAM LETTER FINAL N
AA47	꨾	CHAM LETTER FINAL P
AA48	꨿	CHAM LETTER FINAL Y
AA49	ꩀ	CHAM LETTER FINAL R
AA4A	ꩁ	CHAM LETTER FINAL L
AA4B	ꩂ	CHAM LETTER FINAL SS
AA4C	ꩃ	CHAM CONSONANT SIGN FINAL M
AA4D	ꩄ	CHAM CONSONANT SIGN FINAL H

**Digits**

AA50	ꩅ	CHAM DIGIT ZERO
AA51	ꩆ	CHAM DIGIT ONE
AA52	ꩇ	CHAM DIGIT TWO
AA53	ꩈ	CHAM DIGIT THREE
AA54	ꩉ	CHAM DIGIT FOUR
AA55	ꩊ	CHAM DIGIT FIVE
AA56	ꩋ	CHAM DIGIT SIX
AA57	ꩌ	CHAM DIGIT SEVEN
AA58	ꩍ	CHAM DIGIT EIGHT
AA59	꩎	CHAM DIGIT NINE

**Punctuation**

AA5C	꩏	CHAM PUNCTUATION SPIRAL
AA5D	꩐	CHAM PUNCTUATION DANDA
AA5E	꩑	CHAM PUNCTUATION DOUBLE DANDA
AA5F	꩒	CHAM PUNCTUATION TRIPLE DANDA



	AA6	AA7
0	က AA60	= AA70
1	ဂ AA61	ဓ AA71
2	ဃ AA62	ဣ AA72
3	ဂ AA63	ဣ AA73
4	ယ AA64	ဣ AA74
5	ဣ AA65	ဣ AA75
6	တ AA66	ဣ AA76
7	ထ AA67	ဣ AA77
8	တ AA68	ဣ AA78
9	ထ AA69	ဣ AA79
A	ထ AA6A	ဣ AA7A
B	ဣ AA6B	ဣ AA7B
C	ယ AA6C	
D	ဣ AA6D	
E	လ AA6E	
F	ဝ AA6F	

**Khamti Shan consonants**

- AA60 က MYANMAR LETTER KHAMTI GA
- AA61 ဓ MYANMAR LETTER KHAMTI CA
- AA62 ဃ MYANMAR LETTER KHAMTI CHA
- AA63 ဣ MYANMAR LETTER KHAMTI JA
- AA64 ဣ MYANMAR LETTER KHAMTI JHA
- AA65 ဣ MYANMAR LETTER KHAMTI NYA
- AA66 တ MYANMAR LETTER KHAMTI TTA
- AA67 ထ MYANMAR LETTER KHAMTI TTHA
- AA68 တ MYANMAR LETTER KHAMTI DDA
- AA69 ထ MYANMAR LETTER KHAMTI DDHA
- AA6A ထ MYANMAR LETTER KHAMTI DHA
- AA6B ဣ MYANMAR LETTER KHAMTI NA
- AA6C ဣ MYANMAR LETTER KHAMTI SA
- AA6D ဣ MYANMAR LETTER KHAMTI HA
- AA6E လ MYANMAR LETTER KHAMTI HHA
- AA6F ဝ MYANMAR LETTER KHAMTI FA
- AA70 = MYANMAR MODIFIER LETTER KHAMTI REDUPLICATION
- AA71 တ MYANMAR LETTER KHAMTI XA
- AA72 ဣ MYANMAR LETTER KHAMTI ZA
- AA73 ဣ MYANMAR LETTER KHAMTI RA

**Khamti Shan logograms**

- AA74 ဣ MYANMAR LOGOGRAM KHAMTI OAY
- AA75 ဣ MYANMAR LOGOGRAM KHAMTI QN
- AA76 ဣ MYANMAR LOGOGRAM KHAMTI HM

**Aiton symbols and letters**

- AA77 ဣ MYANMAR SYMBOL AITON EXCLAMATION
- AA78 ဣ MYANMAR SYMBOL AITON ONE
- AA79 ဣ MYANMAR SYMBOL AITON TWO
- AA7A ဣ MYANMAR LETTER AITON RA

**Pa'o Karen tone mark**

- AA7B ဣ MYANMAR SIGN PAO KAREN TONE

	AA8	AA9	AAA	AAB	AAC	AAD
0	က AA80	ຫງ AA90	ຸ AAA0	◌ AAB0	◌ AAC0	
1	ອ AA81	ງ AA91	ຸ AAA1	◌ AAB1	◌ AAC1	
2	ຸ AA82	ອ AA92	ຫ AAA2	◌ AAB2	◌ AAC2	
3	ຫງ AA83	ຸ AA93	ມ AAA3	◌ AAB3		
4	ຸ AA84	ກ AA94	ຸ AAA4	◌ AAB4		
5	ງ AA85	ນ AA95	ຸ AAA5	◌ AAB5		
6	ງ AA86	ຸ AA96	ກ AAA6	◌ AAB6		
7	ງ AA87	ຸ AA97	ກ AAA7	◌ AAB7		
8	ຫ AA88	ຫ AA98	ຫ AAA8	◌ AAB8		
9	ອ AA89	ນ AA99	ຂ AAA9	◌ AAB9		
A	ຸ AA8A	ປ AA9A	ຫ AAA	◌ AABA		
B	ຸ AA8B	ຸ AA9B	ວ AAAB	ງ AABB		ຸ AADB
C	ຸ AA8C	ຸ AA9C	ຫ AAAC	◌ AABC		ຸ AADC
D	ຸ AA8D	ຸ AA9D	ຫ AAAD	ຸ AABD		ຸ AADD
E	ຸ AA8E	ຸ AA9E	ອ AAAE	◌ AABE		ຸ AADE
F	ຸ AA8F	ຸ AA9F	ອ AAAF	◌ AABF		ຸ AADF

**Consonants**

AA80	ɩ	TAI VIET LETTER LOW KO
AA81	ɔ	TAI VIET LETTER HIGH KO
AA82	ɳ	TAI VIET LETTER LOW KHO
AA83	ɰ	TAI VIET LETTER HIGH KHO
AA84	ɺ	TAI VIET LETTER LOW KHHO
AA85	ɳ	TAI VIET LETTER HIGH KHHO
AA86	ɠ	TAI VIET LETTER LOW GO
AA87	ɣ	TAI VIET LETTER HIGH GO
AA88	ɴ	TAI VIET LETTER LOW NGO
AA89	ɔ	TAI VIET LETTER HIGH NGO
AA8A	ɺ	TAI VIET LETTER LOW CO
AA8B	ɳ	TAI VIET LETTER HIGH CO
AA8C	ɺ	TAI VIET LETTER LOW CHO
AA8D	ɳ	TAI VIET LETTER HIGH CHO
AA8E	ɰ	TAI VIET LETTER LOW SO
AA8F	ɺ	TAI VIET LETTER HIGH SO
AA90	ɰ	TAI VIET LETTER LOW NYO
AA91	ɳ	TAI VIET LETTER HIGH NYO
AA92	ɔ	TAI VIET LETTER LOW DO
AA93	ɳ	TAI VIET LETTER HIGH DO
AA94	ɳ	TAI VIET LETTER LOW TO
AA95	ɺ	TAI VIET LETTER HIGH TO
AA96	ɳ	TAI VIET LETTER LOW THO
AA97	ɳ	TAI VIET LETTER HIGH THO
AA98	ɴ	TAI VIET LETTER LOW NO
AA99	ɺ	TAI VIET LETTER HIGH NO
AA9A	ɰ	TAI VIET LETTER LOW BO
AA9B	ɰ	TAI VIET LETTER HIGH BO
AA9C	ɺ	TAI VIET LETTER LOW PO
AA9D	ɰ	TAI VIET LETTER HIGH PO
AA9E	ɳ	TAI VIET LETTER LOW PHO
AA9F	ɰ	TAI VIET LETTER HIGH PHO
AAA0	ɺ	TAI VIET LETTER LOW FO
AAA1	ɴ	TAI VIET LETTER HIGH FO
AAA2	ɰ	TAI VIET LETTER LOW MO
AAA3	ɰ	TAI VIET LETTER HIGH MO
AAA4	ɳ	TAI VIET LETTER LOW YO
AAA5	ɳ	TAI VIET LETTER HIGH YO
AAA6	ɳ	TAI VIET LETTER LOW RO
AAA7	ɳ	TAI VIET LETTER HIGH RO
AAA8	ɰ	TAI VIET LETTER LOW LO
AAA9	ɳ	TAI VIET LETTER HIGH LO
AAAA	ɰ	TAI VIET LETTER LOW VO
AAAB	ɳ	TAI VIET LETTER HIGH VO
AAAC	ɰ	TAI VIET LETTER LOW HO
AAAD	ɰ	TAI VIET LETTER HIGH HO
AAAE	ɳ	TAI VIET LETTER LOW O
AAAF	ɳ	TAI VIET LETTER HIGH O

**Vowels and finals**

AAB0	ɔ	TAI VIET MAI KANG
AAB1	ɩ	TAI VIET VOWEL AA
AAB2	ɩ	TAI VIET VOWEL I
AAB3	ɩ	TAI VIET VOWEL UE
AAB4	ɩ	TAI VIET VOWEL U
AAB5	ɩ	TAI VIET VOWEL E
		• precedes consonant in visual order
AAB6	ɩ	TAI VIET VOWEL O
		• precedes consonant in visual order
AAB7	ɩ	TAI VIET MAI KHIT

AAB8	ɩ	TAI VIET VOWEL IA
AAB9	ɩ	TAI VIET VOWEL UEA
		• precedes consonant in visual order
AABA	ɩ	TAI VIET VOWEL UA
AABB	ɩ	TAI VIET VOWEL AUE
		• precedes consonant in visual order
AABC	ɩ	TAI VIET VOWEL AY
		• precedes consonant in visual order
AABD	ɩ	TAI VIET VOWEL AN
AABE	ɩ	TAI VIET VOWEL AM

**Tones**

AABF	ɩ	TAI VIET TONE MAI EK
AAC0	ɩ	TAI VIET TONE MAI NUENG
AAC1	ɩ	TAI VIET TONE MAI THO
AAC2	ɩ	TAI VIET TONE MAI SONG

**Word ligature symbols**

































































AADB	ɩ	TAI VIET SYMBOL KON
		= person
AADC	ɩ	TAI VIET SYMBOL NUENG
		= one

**Repetition mark**

AADD	ɩ	TAI VIET SYMBOL SAM
		→ 0E46 ɩ thai character maiyamok

**Punctuation**

AADE	ɩ	TAI VIET SYMBOL HO HOI
		• marks start of text in songs and poems
AADF	ɩ	TAI VIET SYMBOL KOI KOI
		• marks end of text in songs and poems

	ABC	ABD	ABE	ABF
0	 ABC0	 ABD0	 ABE0	 ABF0
1	 ABC1	 ABD1	 ABE1	 ABF1
2	 ABC2	 ABD2	 ABE2	 ABF2
3	 ABC3	 ABD3	 ABE3	 ABF3
4	 ABC4	 ABD4	 ABE4	 ABF4
5	 ABC5	 ABD5	 ABE5	 ABF5
6	 ABC6	 ABD6	 ABE6	 ABF6
7	 ABC7	 ABD7	 ABE7	 ABF7
8	 ABC8	 ABD8	 ABE8	 ABF8
9	 ABC9	 ABD9	 ABE9	 ABF9
A	 ABCA	 ABDA	 ABEA	
B	 ABCB	 ABDB	 ABEB	
C	 ABCC	 ABDC	 ABEC	
D	 ABCD	 ABDD	 ABED	
E	 ABCE	 ABDE		
F	 ABCF	 ABDF		

The name "Meetei Mayek" is used in official documentation in Manipur. Many linguists also use the name "Meitei Mayek", and other transliterations also occur.

**Letters**

ABC0	𑜀	MEETEI MAYEK LETTER KOK = ka
ABC1	𑜁	MEETEI MAYEK LETTER SAM = sa
ABC2	𑜂	MEETEI MAYEK LETTER LAI = la
ABC3	𑜃	MEETEI MAYEK LETTER MIT = ma
ABC4	𑜄	MEETEI MAYEK LETTER PA
ABC5	𑜅	MEETEI MAYEK LETTER NA
ABC6	𑜆	MEETEI MAYEK LETTER CHIL = ca
ABC7	𑜇	MEETEI MAYEK LETTER TIL = ta
ABC8	𑜈	MEETEI MAYEK LETTER KHOU = kha
ABC9	𑜉	MEETEI MAYEK LETTER NGOU = nga
ABCA	𑜊	MEETEI MAYEK LETTER THOU = tha
ABCB	𑜋	MEETEI MAYEK LETTER WAI = wa
ABCC	𑜌	MEETEI MAYEK LETTER YANG = ya
ABCD	𑜍	MEETEI MAYEK LETTER HUK = ha
ABCE	𑜎	MEETEI MAYEK LETTER UN = u
ABCF	𑜏	MEETEI MAYEK LETTER I
ABD0	𑜐	MEETEI MAYEK LETTER PHAM = pha
ABD1	𑜑	MEETEI MAYEK LETTER ATIYA = a
ABD2	𑜒	MEETEI MAYEK LETTER GOK = ga
ABD3	𑜓	MEETEI MAYEK LETTER JHAM = jha
ABD4	𑜔	MEETEI MAYEK LETTER RAI = ra
ABD5	𑜕	MEETEI MAYEK LETTER BA
ABD6	𑜖	MEETEI MAYEK LETTER JIL = ja
ABD7	𑜗	MEETEI MAYEK LETTER DIL = da
ABD8	𑜘	MEETEI MAYEK LETTER GHOU = gha
ABD9	𑜙	MEETEI MAYEK LETTER DHOU = dha
ABDA	𑜚	MEETEI MAYEK LETTER BHAM = bha

**Final consonants**

ABDB	𑜛	MEETEI MAYEK LETTER KOK LONSUM = k
ABDC	𑜜	MEETEI MAYEK LETTER LAI LONSUM = l
ABDD	𑜝	MEETEI MAYEK LETTER MIT LONSUM = m
ABDE	𑜞	MEETEI MAYEK LETTER PA LONSUM = p

ABDF	𑜟	MEETEI MAYEK LETTER NA LONSUM = n
ABE0	𑜠	MEETEI MAYEK LETTER TIL LONSUM = t
ABE1	𑜡	MEETEI MAYEK LETTER NGOU LONSUM = ng
ABE2	𑜢	MEETEI MAYEK LETTER I LONSUM = i

**Dependent vowel signs**

ABE3	𑜣	MEETEI MAYEK VOWEL SIGN ONAP = o
ABE4	𑜤	MEETEI MAYEK VOWEL SIGN INAP = i
ABE5	𑜥	MEETEI MAYEK VOWEL SIGN ANAP = aa
ABE6	𑜦	MEETEI MAYEK VOWEL SIGN YENAP = e
ABE7	𑜧	MEETEI MAYEK VOWEL SIGN SOUNAP = ou
ABE8	𑜨	MEETEI MAYEK VOWEL SIGN UNAP = u
ABE9	𑜩	MEETEI MAYEK VOWEL SIGN CHEINAP = ei
ABEA	𑜪	MEETEI MAYEK VOWEL SIGN NUNG = anusvara

**Punctuation**

ABEB	𑜫	MEETEI MAYEK CHEIKHEI = double danda
ABEC	𑜬	MEETEI MAYEK LUM IYEK = heavy tone
ABED	𑜭	MEETEI MAYEK APUN IYEK = killer → 103A ♂ myanmar sign asat

**Digits**

ABF0	𑜮	MEETEI MAYEK DIGIT ZERO = phun
ABF1	𑜯	MEETEI MAYEK DIGIT ONE = ama
ABF2	𑜰	MEETEI MAYEK DIGIT TWO = ani
ABF3	𑜱	MEETEI MAYEK DIGIT THREE = ahum
ABF4	𑜲	MEETEI MAYEK DIGIT FOUR = mari
ABF5	𑜳	MEETEI MAYEK DIGIT FIVE = manga
ABF6	𑜴	MEETEI MAYEK DIGIT SIX = taruk
ABF7	𑜵	MEETEI MAYEK DIGIT SEVEN = taret
ABF8	𑜶	MEETEI MAYEK DIGIT EIGHT = nipal
ABF9	𑜷	MEETEI MAYEK DIGIT NINE = mapal

	AC0	AC1	AC2	AC3	AC4	AC5	AC6	AC7	AC8	AC9	ACA	ACB	ACC	ACD	ACE	ACF
0	가 AC00	감 AC10	갠 AC20	갬 AC30	갈 AC40	각 AC50	갯 AC60	거 AC70	검 AC80	겐 AC90	갬 ACA0	결 ACB0	격 ACC0	겻 ACD0	고 ACE0	곰 ACF0
1	각 AC01	갑 AC11	갬 AC21	갯 AC31	갯 AC41	갯 AC51	갯 AC61	격 AC71	겁 AC81	겻 AC91	겻 ACA1	겨 ACB1	결 ACC1	겻 ACD1	곡 ACE1	곱 ACF1
2	갯 AC02	갯 AC12	갯 AC22	갯 AC32	갯 AC42	갯 AC52	갯 AC62	겨 AC72	겻 AC82	겻 AC92	갬 ACA2	겻 ACB2	겻 ACC2	겻 ACD2	곡 ACE2	곶 ACF2
3	갯 AC03	갯 AC13	갠 AC23	갯 AC33	갯 AC43	갯 AC53	갯 AC63	겨 AC73	겻 AC83	겐 AC93	갬 ACA3	겻 ACB3	겻 ACC3	겻 ACD3	곶 ACE3	곶 ACF3
4	간 AC04	갯 AC14	갯 AC24	갯 AC34	갯 AC44	갯 AC54	갯 AC64	건 AC74	겻 AC84	겻 AC94	갬 ACA4	겻 ACB4	겻 ACC4	겻 ACD4	곶 ACE4	곶 ACF4
5	갯 AC05	갯 AC15	갯 AC25	갯 AC35	갯 AC45	갯 AC55	갯 AC65	겻 AC75	겻 AC85	겻 AC95	갬 ACA5	겻 ACB5	겻 ACC5	겻 ACD5	곶 ACE5	공 ACF5
6	갯 AC06	갯 AC16	갯 AC26	갯 AC36	갯 AC46	갯 AC56	갯 AC66	겻 AC76	겻 AC86	겻 AC96	갬 ACA6	겻 ACB6	겻 ACC6	겻 ACD6	곶 ACE6	곶 ACF6
7	간 AC07	갯 AC17	갯 AC27	갯 AC37	갯 AC47	갯 AC57	갯 AC67	건 AC77	겻 AC87	겻 AC97	갬 ACA7	겻 ACB7	겻 ACC7	겻 ACD7	곶 ACE7	곶 ACF7
8	갈 AC08	각 AC18	갯 AC28	갯 AC38	갯 AC48	갯 AC58	갯 AC68	겻 AC78	겻 AC88	갯 AC98	갬 ACA8	겻 ACB8	겻 ACC8	겻 ACD8	곶 ACE8	곶 ACF8
9	갯 AC09	갯 AC19	갯 AC29	갯 AC39	갯 AC49	갯 AC59	갯 AC69	겨 AC79	겻 AC89	겻 AC99	갬 ACA9	겻 ACB9	겻 ACC9	겻 ACD9	곶 ACE9	곶 ACF9
A	갯 AC0A	갯 AC1A	갯 AC2A	갯 AC3A	갯 AC4A	갯 AC5A	갯 AC6A	겻 AC7A	겻 AC8A	갯 AC9A	갬 ACA A	겻 ACB A	겻 ACC A	겻 ACD A	곶 ACE A	곶 ACF A
B	갯 AC0B	갯 AC1B	갯 AC2B	갯 AC3B	갯 AC4B	갯 AC5B	갯 AC6B	겻 AC7B	겻 AC8B	갯 AC9B	갬 ACA B	겻 ACB B	겻 ACC B	겻 ACD B	곶 ACE B	곶 ACF B
C	갯 AC0C	갯 AC1C	갯 AC2C	갯 AC3C	갯 AC4C	갯 AC5C	갯 AC6C	겻 AC7C	겻 AC8C	갯 AC9C	갬 ACA C	겻 ACB C	겻 ACC C	겻 ACD C	곶 ACE C	곶 ACF C
D	갯 AC0D	갯 AC1D	갯 AC2D	갯 AC3D	갯 AC4D	갯 AC5D	갯 AC6D	겻 AC7D	겻 AC8D	갯 AC9D	갬 ACA D	겻 ACB D	겻 ACC D	겻 ACD D	곶 ACE D	곶 ACF D
E	갯 AC0E	갯 AC1E	갯 AC2E	갯 AC3E	갯 AC4E	갯 AC5E	갯 AC6E	겻 AC7E	겻 AC8E	갯 AC9E	갬 ACA E	겻 ACB E	겻 ACC E	겻 ACD E	곶 ACE E	곶 ACF E
F	갯 AC0F	갯 AC1F	갯 AC2F	갯 AC3F	갯 AC4F	갯 AC5F	갯 AC6F	겻 AC7F	겻 AC8F	갯 AC9F	갬 ACA F	겻 ACB F	겻 ACC F	겻 ACD F	곶 ACE F	곶 ACF F

	AD0	AD1	AD2	AD3	AD4	AD5	AD6	AD7	AD8	AD9	ADA	ADB	ADC	ADD	ADE	ADF
0	관 AD00	괏 AD10	괘 AD20	괘 AD30	괘 AD40	교 AD50	곰 AD60	군 AD70	굶 AD80	귓 AD90	괘 ADA0	괘 ADB0	귀 ADC0	괘 ADD0	군 ADE0	굶 ADF0
1	괘 AD01	괘 AD11	괘 AD21	괘 AD31	괘 AD41	곡 AD51	괘 AD61	굶 AD71	굶 AD81	괘 AD91	괘 ADA1	괘 ADB1	귀 ADC1	괘 ADD1	굶 ADE1	괘 ADF1
2	괘 AD02	괘 AD12	괘 AD22	괘 AD32	괘 AD42	곡 AD52	괘 AD62	굶 AD72	굶 AD82	괘 AD92	괘 ADA2	괘 ADB2	귀 ADC2	괘 ADD2	괘 ADE2	괘 ADF2
3	관 AD03	괘 AD13	괘 AD23	괘 AD33	괘 AD43	곡 AD53	괘 AD63	굶 AD73	괘 AD83	괘 AD93	괘 ADA3	괘 ADB3	귀 ADC3	괘 ADD3	괘 ADE3	괘 ADF3
4	괘 AD04	괘 AD14	괘 AD24	괘 AD34	괘 AD44	곡 AD54	괘 AD64	굶 AD74	괘 AD84	괘 AD94	괘 ADA4	괘 ADB4	귀 ADC4	괘 ADD4	괘 ADE4	괘 ADF4
5	괘 AD05	괘 AD15	괘 AD25	괘 AD35	괘 AD45	곡 AD55	괘 AD65	굶 AD75	괘 AD85	괘 AD95	괘 ADA5	괘 ADB5	귀 ADC5	괘 ADD5	괘 ADE5	괘 ADF5
6	괘 AD06	괘 AD16	괘 AD26	괘 AD36	괘 AD46	곡 AD56	괘 AD66	굶 AD76	괘 AD86	괘 AD96	괘 ADA6	괘 ADB6	귀 ADC6	괘 ADD6	괘 ADE6	괘 ADF6
7	괘 AD07	괘 AD17	괘 AD27	괘 AD37	괘 AD47	곡 AD57	괘 AD67	굶 AD77	괘 AD87	괘 AD97	괘 ADA7	괘 ADB7	귀 ADC7	괘 ADD7	괘 ADE7	괘 ADF7
8	괘 AD08	괘 AD18	괘 AD28	괘 AD38	괘 AD48	곡 AD58	괘 AD68	굶 AD78	괘 AD88	괘 AD98	괘 ADA8	괘 ADB8	귀 ADC8	괘 ADD8	괘 ADE8	괘 ADF8
9	괘 AD09	괘 AD19	괘 AD29	괘 AD39	괘 AD49	곡 AD59	괘 AD69	굶 AD79	괘 AD89	괘 AD99	괘 ADA9	괘 ADB9	귀 ADC9	괘 ADD9	괘 ADE9	괘 ADF9
A	괘 AD0A	괘 AD1A	괘 AD2A	괘 AD3A	괘 AD4A	곡 AD5A	괘 AD6A	굶 AD7A	괘 AD8A	괘 AD9A	괘 ADAA	괘 ADBA	귀 ADCA	괘 ADDA	괘 ADEA	괘 ADFA
B	괘 AD0B	괘 AD1B	괘 AD2B	괘 AD3B	괘 AD4B	곡 AD5B	괘 AD6B	굶 AD7B	괘 AD8B	괘 AD9B	괘 ADAB	괘 ADBB	귀 ADCB	괘 ADDB	괘 ADEB	괘 ADFB
C	괘 AD0C	괘 AD1C	괘 AD2C	괘 AD3C	괘 AD4C	곡 AD5C	괘 AD6C	굶 AD7C	괘 AD8C	괘 AD9C	괘 ADAC	괘 ADBC	귀 ADCC	괘 ADDC	괘 ADEC	괘 ADFC
D	괘 AD0D	괘 AD1D	괘 AD2D	괘 AD3D	괘 AD4D	곡 AD5D	괘 AD6D	굶 AD7D	괘 AD8D	괘 AD9D	괘 ADAD	괘 ADBD	귀 ADCD	괘 ADDD	괘 ADED	괘 ADFD
E	괘 AD0E	괘 AD1E	괘 AD2E	괘 AD3E	괘 AD4E	곡 AD5E	괘 AD6E	굶 AD7E	괘 AD8E	괘 AD9E	괘 ADAE	괘 ADBE	귀 ADCE	괘 ADDE	괘 ADEE	괘 ADFE
F	괘 AD0F	괘 AD1F	괘 AD2F	괘 AD3F	괘 AD4F	곡 AD5F	괘 AD6F	굶 AD7F	괘 AD8F	괘 AD9F	괘 ADAF	괘 ADBF	귀 ADCF	괘 ADDF	괘 ADEF	괘 ADFF

	AE0	AE1	AE2	AE3	AE4	AE5	AE6	AE7	AE8	AE9	AEA	AEB	AEC	AED	AEE	AEF
0	글 AE00	극 AE10	귄 AE20	기 AE30	김 AE40	칸 AE50	갓 AE60	겔 AE70	객 AE80	갯 AE90	깨 AEA0	껌 AEB0	견 AEC0	꼴 AED0	겘 AEE0	꺨 AEF0
1	글 AE01	글 AE11	귄 AE21	긱 AE31	깁 AE41	갓 AE51	강 AE61	꺨 AE71	겔 AE81	갯 AE91	객 AEA1	껌 AEB1	겘 AEC1	경 AED1	꺨 AEE1	겘 AEF1
2	글 AE02	글 AE12	귄 AE22	귀 AE32	깁 AE42	강 AE52	갓 AE62	꺨 AE72	겔 AE82	갯 AE92	객 AEA2	꺨 AEB2	겘 AEC2	겘 AED2	꺨 AEE2	꺨 AEF2
3	글 AE03	글 AE13	귄 AE23	긱 AE33	긱 AE43	갓 AE53	갓 AE63	꺨 AE73	꺨 AE83	갯 AE93	객 AEA3	꺨 AEB3	견 AEC3	꺨 AED3	꺨 AEE3	꺨 AEF3
4	글 AE04	긱 AE14	긱 AE24	긴 AE34	긱 AE44	갓 AE54	갓 AE64	꺨 AE74	꺨 AE84	갯 AE94	꺨 AEA4	꺨 AEB4	꺨 AEC4	꺨 AED4	꺨 AEE4	꺨 AEF4
5	글 AE05	긱 AE15	긱 AE25	긱 AE35	긱 AE45	꺨 AE55	꺨 AE65	꺨 AE75	꺨 AE85	꺨 AE95	꺨 AEA5	꺨 AEB5	꺨 AEC5	꺨 AED5	꺨 AEE5	꺨 AEF5
6	글 AE06	긱 AE16	긱 AE26	긱 AE36	긱 AE46	꺨 AE56	꺨 AE66	꺨 AE76	꺨 AE86	꺨 AE96	꺨 AEA6	꺨 AEB6	꺨 AEC6	꺨 AED6	꺨 AEE6	꺨 AEF6
7	글 AE07	긱 AE17	긱 AE27	긱 AE37	긱 AE47	꺨 AE57	꺨 AE67	꺨 AE77	꺨 AE87	꺨 AE97	꺨 AEA7	꺨 AEB7	꺨 AEC7	꺨 AED7	꺨 AEE7	꺨 AEF7
8	글 AE08	긱 AE18	긱 AE28	긱 AE38	긱 AE48	꺨 AE58	꺨 AE68	꺨 AE78	꺨 AE88	꺨 AE98	꺨 AEA8	꺨 AEB8	꺨 AEC8	꺨 AED8	꺨 AEE8	꺨 AEF8
9	글 AE09	긱 AE19	긱 AE29	긱 AE39	긱 AE49	꺨 AE59	꺨 AE69	꺨 AE79	꺨 AE89	꺨 AE99	꺨 AEA9	꺨 AEB9	꺨 AEC9	꺨 AED9	꺨 AEE9	꺨 AEF9
A	글 AE0A	긱 AE1A	긱 AE2A	긱 AE3A	긱 AE4A	꺨 AE5A	꺨 AE6A	꺨 AE7A	꺨 AE8A	꺨 AE9A	꺨 AEA0	꺨 AEB0	꺨 AEC0	꺨 AED0	꺨 AEE0	꺨 AEF0
B	글 AE0B	긱 AE1B	긱 AE2B	긱 AE3B	긱 AE4B	꺨 AE5B	꺨 AE6B	꺨 AE7B	꺨 AE8B	꺨 AE9B	꺨 AEA0	꺨 AEB0	꺨 AEC0	꺨 AED0	꺨 AEE0	꺨 AEF0
C	글 AE0C	긱 AE1C	긱 AE2C	긱 AE3C	꺨 AE4C	꺨 AE5C	꺨 AE6C	꺨 AE7C	꺨 AE8C	꺨 AE9C	꺨 AEA0	꺨 AEB0	꺨 AEC0	꺨 AED0	꺨 AEE0	꺨 AEF0
D	글 AE0D	긱 AE1D	긱 AE2D	긱 AE3D	꺨 AE4D	꺨 AE5D	꺨 AE6D	꺨 AE7D	꺨 AE8D	꺨 AE9D	꺨 AEA0	꺨 AEB0	꺨 AEC0	꺨 AED0	꺨 AEE0	꺨 AEF0
E	글 AE0E	긱 AE1E	긱 AE2E	긱 AE3E	꺨 AE4E	꺨 AE5E	꺨 AE6E	꺨 AE7E	꺨 AE8E	꺨 AE9E	꺨 AEA0	꺨 AEB0	꺨 AEC0	꺨 AED0	꺨 AEE0	꺨 AEF0
F	글 AE0F	긱 AE1F	긱 AE2F	긱 AE3F	꺨 AE4F	꺨 AE5F	꺨 AE6F	꺨 AE7F	꺨 AE8F	꺨 AE9F	꺨 AEA0	꺨 AEB0	꺨 AEC0	꺨 AED0	꺨 AEE0	꺨 AEF0



	AF0	AF1	AF2	AF3	AF4	AF5	AF6	AF7	AF8	AF9	AFA	AFB	AFC	AFD	AFE	AFF
0	곶 AF00	계 AF10	겜 AF20	곤 AF30	곶 AF40	팠 AF50	팍 AF60	패 AF70	피 AF80	핍 AF90	곤 AFA0	곶 AFB0	골 AFC0	꼭 AFD0	곶 AFE0	괘 AFF0
1	곶 AF01	곶 AF11	곶 AF21	곶 AF31	곶 AF41	곶 AF51	곶 AF61	곶 AF71	곶 AF81	곶 AF91	곶 AFA1	곶 AFB1	곶 AFC1	곶 AFD1	곶 AFE1	곶 AFF1
2	곶 AF02	곶 AF12	곶 AF22	곶 AF32	곶 AF42	곶 AF52	곶 AF62	곶 AF72	곶 AF82	곶 AF92	곶 AFA2	곶 AFB2	곶 AFC2	곶 AFD2	곶 AFE2	곶 AFF2
3	곶 AF03	곶 AF13	곶 AF23	곶 AF33	곶 AF43	곶 AF53	곶 AF63	곶 AF73	곶 AF83	곶 AF93	곶 AFA3	곶 AFB3	곶 AFC3	곶 AFD3	곶 AFE3	곶 AFF3
4	곶 AF04	곶 AF14	곶 AF24	곶 AF34	곶 AF44	곶 AF54	곶 AF64	곶 AF74	곶 AF84	곶 AF94	곶 AFA4	곶 AFB4	곶 AFC4	곶 AFD4	곶 AFE4	곶 AFF4
5	곶 AF05	곶 AF15	곶 AF25	곶 AF35	곶 AF45	곶 AF55	곶 AF65	곶 AF75	곶 AF85	곶 AF95	곶 AFA5	곶 AFB5	곶 AFC5	곶 AFD5	곶 AFE5	곶 AFF5
6	곶 AF06	곶 AF16	곶 AF26	곶 AF36	곶 AF46	곶 AF56	곶 AF66	곶 AF76	곶 AF86	곶 AF96	곶 AFA6	곶 AFB6	곶 AFC6	곶 AFD6	곶 AFE6	곶 AFF6
7	곶 AF07	곶 AF17	곶 AF27	곶 AF37	곶 AF47	곶 AF57	곶 AF67	곶 AF77	곶 AF87	곶 AF97	곶 AFA7	곶 AFB7	곶 AFC7	곶 AFD7	곶 AFE7	곶 AFF7
8	곶 AF08	곶 AF18	곶 AF28	곶 AF38	곶 AF48	곶 AF58	곶 AF68	곶 AF78	곶 AF88	곶 AF98	곶 AFA8	곶 AFB8	곶 AFC8	곶 AFD8	곶 AFE8	곶 AFF8
9	곶 AF09	곶 AF19	곶 AF29	곶 AF39	곶 AF49	곶 AF59	곶 AF69	곶 AF79	곶 AF89	곶 AF99	곶 AFA9	곶 AFB9	곶 AFC9	곶 AFD9	곶 AFE9	곶 AFF9
A	곶 AF0A	곶 AF1A	곶 AF2A	곶 AF3A	곶 AF4A	곶 AF5A	곶 AF6A	곶 AF7A	곶 AF8A	곶 AF9A	곶 AFAA	곶 AFBA	곶 AFCA	곶 AFDA	곶 AFEA	곶 AFFA
B	곶 AF0B	곶 AF1B	곶 AF2B	곶 AF3B	곶 AF4B	곶 AF5B	곶 AF6B	곶 AF7B	곶 AF8B	곶 AF9B	곶 AFAB	곶 AFBB	곶 AFCB	곶 AFDB	곶 AFEB	곶 AFFB
C	곶 AF0C	곶 AF1C	곶 AF2C	곶 AF3C	곶 AF4C	곶 AF5C	곶 AF6C	곶 AF7C	곶 AF8C	곶 AF9C	곶 AFAC	곶 AFBC	곶 AFCC	곶 AFDC	곶 AFEC	곶 AFFC
D	곶 AF0D	곶 AF1D	곶 AF2D	곶 AF3D	곶 AF4D	곶 AF5D	곶 AF6D	곶 AF7D	곶 AF8D	곶 AF9D	곶 AFAD	곶 AFBD	곶 AFCD	곶 AFDD	곶 AFED	곶 AFFD
E	곶 AF0E	곶 AF1E	곶 AF2E	곶 AF3E	곶 AF4E	곶 AF5E	곶 AF6E	곶 AF7E	곶 AF8E	곶 AF9E	곶 AFAE	곶 AFBE	곶 AFCE	곶 AFDE	곶 AFEE	곶 AFFE
F	곶 AF0F	곶 AF1F	곶 AF2F	곶 AF3F	곶 AF4F	곶 AF5F	곶 AF6F	곶 AF7F	곶 AF8F	곶 AF9F	곶 AFAF	곶 AFBF	곶 AFCF	곶 AFDF	곶 AFEF	곶 AFFF

	B00	B01	B02	B03	B04	B05	B06	B07	B08	B09	B0A	B0B	B0C	B0D	B0E	B0F
0	뽁 B000	뽁 B010	뽁 B020	뽁 B030	뽁 B040	뽁 B050	뽁 B060	뽁 B070	뽁 B080	뽁 B090	뽁 B0A0	뽁 B0B0	뽁 B0C0	뽁 B0D0	뽁 B0E0	뽁 B0F0
1	뽁 B001	뽁 B011	뽁 B021	뽁 B031	뽁 B041	뽁 B051	뽁 B061	뽁 B071	뽁 B081	뽁 B091	뽁 B0A1	뽁 B0B1	뽁 B0C1	뽁 B0D1	뽁 B0E1	뽁 B0F1
2	뽁 B002	뽁 B012	뽁 B022	뽁 B032	뽁 B042	뽁 B052	뽁 B062	뽁 B072	뽁 B082	뽁 B092	뽁 B0A2	뽁 B0B2	뽁 B0C2	뽁 B0D2	뽁 B0E2	뽁 B0F2
3	뽁 B003	뽁 B013	뽁 B023	뽁 B033	뽁 B043	뽁 B053	뽁 B063	뽁 B073	뽁 B083	뽁 B093	뽁 B0A3	뽁 B0B3	뽁 B0C3	뽁 B0D3	뽁 B0E3	뽁 B0F3
4	뽁 B004	뽁 B014	뽁 B024	뽁 B034	뽁 B044	뽁 B054	뽁 B064	뽁 B074	뽁 B084	뽁 B094	뽁 B0A4	뽁 B0B4	뽁 B0C4	뽁 B0D4	뽁 B0E4	뽁 B0F4
5	뽁 B005	뽁 B015	뽁 B025	뽁 B035	뽁 B045	뽁 B055	뽁 B065	뽁 B075	뽁 B085	뽁 B095	뽁 B0A5	뽁 B0B5	뽁 B0C5	뽁 B0D5	뽁 B0E5	뽁 B0F5
6	뽁 B006	뽁 B016	뽁 B026	뽁 B036	뽁 B046	뽁 B056	뽁 B066	뽁 B076	뽁 B086	뽁 B096	뽁 B0A6	뽁 B0B6	뽁 B0C6	뽁 B0D6	뽁 B0E6	뽁 B0F6
7	뽁 B007	뽁 B017	뽁 B027	뽁 B037	뽁 B047	뽁 B057	뽁 B067	뽁 B077	뽁 B087	뽁 B097	뽁 B0A7	뽁 B0B7	뽁 B0C7	뽁 B0D7	뽁 B0E7	뽁 B0F7
8	뽁 B008	뽁 B018	뽁 B028	뽁 B038	뽁 B048	뽁 B058	뽁 B068	뽁 B078	뽁 B088	뽁 B098	뽁 B0A8	뽁 B0B8	뽁 B0C8	뽁 B0D8	뽁 B0E8	뽁 B0F8
9	뽁 B009	뽁 B019	뽁 B029	뽁 B039	뽁 B049	뽁 B059	뽁 B069	뽁 B079	뽁 B089	뽁 B099	뽁 B0A9	뽁 B0B9	뽁 B0C9	뽁 B0D9	뽁 B0E9	뽁 B0F9
A	뽁 B00A	뽁 B01A	뽁 B02A	뽁 B03A	뽁 B04A	뽁 B05A	뽁 B06A	뽁 B07A	뽁 B08A	뽁 B09A	뽁 B0AA	뽁 B0BA	뽁 B0CA	뽁 B0DA	뽁 B0EA	뽁 B0FA
B	뽁 B00B	뽁 B01B	뽁 B02B	뽁 B03B	뽁 B04B	뽁 B05B	뽁 B06B	뽁 B07B	뽁 B08B	뽁 B09B	뽁 B0AB	뽁 B0BB	뽁 B0CB	뽁 B0DB	뽁 B0EB	뽁 B0FB
C	뽁 B00C	뽁 B01C	뽁 B02C	뽁 B03C	뽁 B04C	뽁 B05C	뽁 B06C	뽁 B07C	뽁 B08C	뽁 B09C	뽁 B0AC	뽁 B0BC	뽁 B0CC	뽁 B0DC	뽁 B0EC	뽁 B0FC
D	뽁 B00D	뽁 B01D	뽁 B02D	뽁 B03D	뽁 B04D	뽁 B05D	뽁 B06D	뽁 B07D	뽁 B08D	뽁 B09D	뽁 B0AD	뽁 B0BD	뽁 B0CD	뽁 B0DD	뽁 B0ED	뽁 B0FD
E	뽁 B00E	뽁 B01E	뽁 B02E	뽁 B03E	뽁 B04E	뽁 B05E	뽁 B06E	뽁 B07E	뽁 B08E	뽁 B09E	뽁 B0AE	뽁 B0BE	뽁 B0CE	뽁 B0DE	뽁 B0EE	뽁 B0FE
F	뽁 B00F	뽁 B01F	뽁 B02F	뽁 B03F	뽁 B04F	뽁 B05F	뽁 B06F	뽁 B07F	뽁 B08F	뽁 B09F	뽁 B0AF	뽁 B0BF	뽁 B0CF	뽁 B0DF	뽁 B0EF	뽁 B0FF

	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B1A	B1B	B1C	B1D	B1E	B1F
0	냈 B100	넌 B110	넉 B120	넣 B130	녀 B140	넴 B150	넨 B160	넷 B170	놀 B180	녹 B190	낱 B1A0	내 B1B0	냄 B1C0	닌 B1D0	닛 B1E0	놀 B1F0
1	냉 B101	넉 B111	넣 B121	넣 B131	넉 B141	넵 B151	넷 B161	넣 B171	넣 B181	넣 B191	낱 B1A1	넣 B1B1	넣 B1C1	넣 B1D1	넣 B1E1	넣 B1F1
2	넷 B102	넣 B112	넣 B122	넣 B132	넣 B142	넣 B152	넣 B162	넣 B172	넣 B182	넣 B192	낱 B1A2	넣 B1B2	넣 B1C2	넣 B1D2	넣 B1E2	넣 B1F2
3	넣 B103	넣 B113	넣 B123	넣 B133	넣 B143	넣 B153	넣 B163	넣 B173	넣 B183	넣 B193	낱 B1A3	넣 B1B3	넣 B1C3	넣 B1D3	넣 B1E3	넣 B1F3
4	넣 B104	넣 B114	넣 B124	넣 B134	넣 B144	넣 B154	넣 B164	넣 B174	넣 B184	넣 B194	낱 B1A4	넣 B1B4	넣 B1C4	넣 B1D4	넣 B1E4	넣 B1F4
5	넣 B105	넣 B115	넣 B125	넣 B135	넣 B145	넣 B155	넣 B165	넣 B175	넣 B185	넣 B195	낱 B1A5	넣 B1B5	넣 B1C5	넣 B1D5	넣 B1E5	넣 B1F5
6	넣 B106	넣 B116	넣 B126	넣 B136	넣 B146	넣 B156	넣 B166	넣 B176	넣 B186	넣 B196	낱 B1A6	넣 B1B6	넣 B1C6	넣 B1D6	넣 B1E6	넣 B1F6
7	넣 B107	넣 B117	넣 B127	넣 B137	넣 B147	넣 B157	넣 B167	넣 B177	넣 B187	넣 B197	낱 B1A7	넣 B1B7	넣 B1C7	넣 B1D7	넣 B1E7	넣 B1F7
8	녀 B108	넣 B118	넣 B128	넣 B138	넣 B148	넣 B158	넣 B168	넣 B178	넣 B188	넣 B198	낱 B1A8	넣 B1B8	넣 B1C8	넣 B1D8	넣 B1E8	넣 B1F8
9	넣 B109	넣 B119	넣 B129	넣 B139	넣 B149	넣 B159	넣 B169	넣 B179	넣 B189	넣 B199	낱 B1A9	넣 B1B9	넣 B1C9	넣 B1D9	넣 B1E9	넣 B1F9
A	넣 B10A	넣 B11A	넣 B12A	넣 B13A	넣 B14A	넣 B15A	넣 B16A	넣 B17A	넣 B18A	넣 B19A	낱 B1AA	넣 B1BA	넣 B1CA	넣 B1DA	넣 B1EA	넣 B1FA
B	넣 B10B	넣 B11B	넣 B12B	넣 B13B	넣 B14B	넣 B15B	넣 B16B	넣 B17B	넣 B18B	넣 B19B	낱 B1AB	넣 B1BB	넣 B1CB	넣 B1DB	넣 B1EB	넣 B1FB
C	넣 B10C	넣 B11C	넣 B12C	넣 B13C	넣 B14C	넣 B15C	넣 B16C	넣 B17C	넣 B18C	넣 B19C	낱 B1AC	넣 B1BC	넣 B1CC	넣 B1DC	넣 B1EC	넣 B1FC
D	넣 B10D	넣 B11D	넣 B12D	넣 B13D	넣 B14D	넣 B15D	넣 B16D	넣 B17D	넣 B18D	넣 B19D	낱 B1AD	넣 B1BD	넣 B1CD	넣 B1DD	넣 B1ED	넣 B1FD
E	넣 B10E	넣 B11E	넣 B12E	넣 B13E	넣 B14E	넣 B15E	넣 B16E	넣 B17E	넣 B18E	넣 B19E	낱 B1AE	넣 B1BE	넣 B1CE	넣 B1DE	넣 B1EE	넣 B1FE
F	넣 B10F	넣 B11F	넣 B12F	넣 B13F	넣 B14F	넣 B15F	넣 B16F	넣 B17F	넣 B18F	넣 B19F	낱 B1AF	넣 B1BF	넣 B1CF	넣 B1DF	넣 B1EF	넣 B1FF

	B20	B21	B22	B23	B24	B25	B26	B27	B28	B29	B2A	B2B	B2C	B2D	B2E	B2F
0	녹 B200	눅 B210	늑 B220	늑 B230	넢 B240	넣 B250	넣 B260	넣 B270	넣 B280	느 B290	늑 B2A0	늑 B2B0	늑 B2C0	늑 B2D0	늑 B2E0	닢 B2F0
1	놀 B201	눇 B211	늑 B221	늑 B231	넣 B241	넣 B251	넣 B261	넣 B271	넣 B281	느 B291	늑 B2A1	늑 B2B1	늑 B2C1	늑 B2D1	늑 B2E1	닢 B2F1
2	늑 B202	늑 B212	늑 B222	늑 B232	넣 B242	넣 B252	넣 B262	넣 B272	넣 B282	느 B292	늑 B2A2	늑 B2B2	늑 B2C2	늑 B2D2	늑 B2E2	닢 B2F2
3	농 B203	눉 B213	늑 B223	늑 B233	넣 B243	넣 B253	넣 B263	넣 B273	넣 B283	느 B293	늑 B2A3	늑 B2B3	늑 B2C3	늑 B2D3	늑 B2E3	닢 B2F3
4	누 B204	눔 B214	늑 B224	늑 B234	넣 B244	넣 B254	넣 B264	넣 B274	넣 B284	느 B294	늑 B2A4	늑 B2B4	늑 B2C4	늑 B2D4	늑 B2E4	닢 B2F4
5	늑 B205	늑 B215	늑 B225	넣 B235	넣 B245	넣 B255	넣 B265	늑 B275	늑 B285	느 B295	늑 B2A5	늑 B2B5	늑 B2C5	늑 B2D5	늑 B2E5	닢 B2F5
6	늑 B206	늑 B216	넣 B226	넣 B236	넣 B246	넣 B256	넣 B266	늑 B276	늑 B286	느 B296	늑 B2A6	늑 B2B6	늑 B2C6	늑 B2D6	늑 B2E6	닢 B2F6
7	늑 B207	늑 B217	넣 B227	넣 B237	넣 B247	넣 B257	넣 B267	늑 B277	늑 B287	느 B297	늑 B2A7	늑 B2B7	넣 B2C7	넣 B2D7	늑 B2E7	닢 B2F7
8	늑 B208	늑 B218	넣 B228	넣 B238	넣 B248	넣 B258	넣 B268	늑 B278	늑 B288	느 B298	늑 B2A8	늑 B2B8	넣 B2C8	넣 B2D8	늑 B2E8	닢 B2F8
9	늑 B209	늑 B219	넣 B229	넣 B239	넣 B249	넣 B259	넣 B269	늑 B279	늑 B289	느 B299	늑 B2A9	늑 B2B9	넣 B2C9	넣 B2D9	늑 B2E9	닢 B2F9
A	늑 B20A	늑 B21A	넣 B22A	넣 B23A	넣 B24A	넣 B25A	넣 B26A	늑 B27A	늑 B28A	느 B29A	늑 B2AA	늑 B2BA	넣 B2CA	넣 B2DA	늑 B2EA	닢 B2FA
B	늑 B20B	늑 B21B	넣 B22B	넣 B23B	넣 B24B	넣 B25B	넣 B26B	늑 B27B	늑 B28B	느 B29B	늑 B2AB	늑 B2BB	넣 B2CB	넣 B2DB	늑 B2EB	닢 B2FB
C	늑 B20C	늑 B21C	넣 B22C	넣 B23C	넣 B24C	넣 B25C	넣 B26C	늑 B27C	늑 B28C	느 B29C	늑 B2AC	늑 B2BC	넣 B2CC	넣 B2DC	늑 B2EC	닢 B2FC
D	늑 B20D	늑 B21D	넣 B22D	넣 B23D	넣 B24D	넣 B25D	넣 B26D	늑 B27D	늑 B28D	느 B29D	늑 B2AD	늑 B2BD	넣 B2CD	넣 B2DD	늑 B2ED	닢 B2FD
E	늑 B20E	늑 B21E	넣 B22E	넣 B23E	넣 B24E	넣 B25E	넣 B26E	늑 B27E	늑 B28E	느 B29E	늑 B2AE	늑 B2BE	넣 B2CE	넣 B2DE	늑 B2EE	닢 B2FE
F	늑 B20F	늑 B21F	넣 B22F	넣 B23F	넣 B24F	넣 B25F	넣 B26F	늑 B27F	늑 B28F	느 B29F	늑 B2AF	늑 B2BF	넣 B2CF	넣 B2DF	늑 B2EF	닢 B2FF

	B30	B31	B32	B33	B34	B35	B36	B37	B38	B39	B3A	B3B	B3C	B3D	B3E	B3F
0	대 B300	대뎌 B310	단 B320	다랏 B330	델 B340	덱 B350	덜 B360	데 B370	데미 B380	던 B390	덜 B3A0	델 B3B0	덱 B3C0	돋 B3D0	되 B3E0	뎌 B3F0
1	대 B301	대뎌 B311	다랏 B321	당 B331	델 B341	덱 B351	덜 B361	덱 B371	데미 B381	덜 B391	덩 B3A1	덱 B3B1	델 B3C1	돋 B3D1	되 B3E1	뎌 B3F1
2	대 B302	대뎌 B312	다랏 B322	다랏 B332	델 B342	덱 B352	덜 B362	덱 B372	데미 B382	덜 B392	덩 B3A2	델 B3B2	덱 B3C2	돋 B3D2	되 B3E2	뎌 B3F2
3	대 B303	대뎌 B313	단 B323	다랏 B333	델 B343	덱 B353	덜 B363	덱 B373	데미 B383	덜 B393	덩 B3A3	덱 B3B3	델 B3C3	돋 B3D3	되 B3E3	뎌 B3F3
4	대 B304	대뎌 B314	달 B324	다랏 B334	델 B344	더 B354	데미 B364	덴 B374	데미 B384	덜 B394	덱 B3A4	덱 B3B4	도 B3C4	돋 B3D4	되 B3E4	뎌 B3F4
5	대 B305	대뎌 B315	다랏 B325	달 B335	델 B345	더 B355	데미 B365	덴 B375	데미 B385	덜 B395	덜 B3A5	덱 B3B5	독 B3C5	돋 B3D5	되 B3E5	뎌 B3F5
6	대 B306	대뎌 B316	다랏 B326	다랏 B336	델 B346	더 B356	데미 B366	덴 B376	데미 B386	덜 B396	덜 B3A6	덱 B3B6	독 B3C6	돋 B3D6	되 B3E6	뎌 B3F6
7	대 B307	대뎌 B317	다랏 B327	당 B337	델 B347	더 B357	데미 B367	덴 B377	데미 B387	덜 B397	덩 B3A7	덱 B3B7	독 B3C7	돋 B3D7	되 B3E7	뎌 B3F7
8	대 B308	대뎌 B318	다랏 B328	대 B338	대뎌 B348	던 B358	덜 B368	델 B378	덱 B388	덜 B398	데 B3A8	데미 B3B8	돈 B3C8	돋 B3D8	되 B3E8	뎌 B3F8
9	대 B309	대뎌 B319	다랏 B329	대 B339	대뎌 B349	던 B359	덜 B369	델 B379	덱 B389	덜 B399	덱 B3A9	데미 B3B9	돋 B3C9	동 B3D9	되 B3E9	뎌 B3F9
A	대 B30A	대뎌 B31A	다랏 B32A	대 B33A	대뎌 B34A	덜 B35A	덜 B36A	덱 B37A	데미 B38A	덜 B39A	덱 B3AA	덱 B3BA	돋 B3CA	돋 B3DA	되 B3EA	뎌 B3FA
B	대 B30B	대뎌 B31B	다랏 B32B	대 B33B	대뎌 B34B	던 B35B	덜 B36B	덱 B37B	데미 B38B	덜 B39B	덱 B3AB	데미 B3BB	돋 B3CB	돋 B3DB	되 B3EB	뎌 B3FB
C	대 B30C	다 B31C	담 B32C	덴 B33C	대 B34C	덜 B35C	덱 B36C	덱 B37C	더 B38C	데미 B39C	덴 B3AC	데미 B3BC	돌 B3CC	돋 B3DC	되 B3EC	대 B3FC
D	대 B30D	다 B31D	답 B32D	대 B33D	대 B34D	덜 B35D	덜 B36D	덱 B37D	더 B38D	데미 B39D	덴 B3AD	데미 B3BD	돌 B3CD	돋 B3DD	되 B3ED	대 B3FD
E	대 B30E	다 B31E	다랏 B32E	대 B33E	대 B34E	덜 B35E	덜 B36E	덱 B37E	더 B38E	데미 B39E	덴 B3AE	데미 B3BE	돋 B3CE	돋 B3DE	되 B3EE	대 B3FE
F	대 B30F	다 B31F	다랏 B32F	덴 B33F	대 B34F	덜 B35F	덜 B36F	덱 B37F	더 B38F	데미 B39F	덴 B3AF	데미 B3BF	돋 B3CF	동 B3DF	되 B3EF	대 B3FF

	B40	B41	B42	B43	B44	B45	B46	B47	B48	B49	B4A	B4B	B4C	B4D	B4E	B4F
0	뎌 B400	뎠 B410	뎡 B420	뎢 B430	뎣 B440	뎤 B450	뎥 B460	뎦 B470	뎧 B480	뎨 B490	뎩 B4A0	뎪 B4B0	뎫 B4C0	뎬 B4D0	뎭 B4E0	뎮 B4F0
1	뎡 B401	뎢 B411	뎣 B421	뎤 B431	뎥 B441	뎦 B451	뎧 B461	뎨 B471	뎩 B481	뎪 B491	뎫 B4A1	뎬 B4B1	뎭 B4C1	뎮 B4D1	뎯 B4E1	뎰 B4F1
2	뎢 B402	뎣 B412	뎤 B422	뎥 B432	뎦 B442	뎧 B452	뎨 B462	뎩 B472	뎪 B482	뎫 B492	뎬 B4A2	뎭 B4B2	뎮 B4C2	뎯 B4D2	뎰 B4E2	뎱 B4F2
3	뎣 B403	뎤 B413	뎥 B423	뎦 B433	뎧 B443	뎨 B453	뎩 B463	뎪 B473	뎫 B483	뎬 B493	뎭 B4A3	뎮 B4B3	뎯 B4C3	뎰 B4D3	뎱 B4E3	뎲 B4F3
4	뎤 B404	뎥 B414	뎦 B424	뎧 B434	뎨 B444	뎩 B454	뎪 B464	뎫 B474	뎬 B484	뎭 B494	뎮 B4A4	뎯 B4B4	뎰 B4C4	뎱 B4D4	뎲 B4E4	뎳 B4F4
5	뎥 B405	뎦 B415	뎦 B425	뎧 B435	뎨 B445	뎩 B455	뎪 B465	뎫 B475	뎬 B485	뎭 B495	뎮 B4A5	뎯 B4B5	뎰 B4C5	뎱 B4D5	뎲 B4E5	뎳 B4F5
6	뎦 B406	뎦 B416	뎦 B426	뎧 B436	뎨 B446	뎩 B456	뎪 B466	뎫 B476	뎬 B486	뎭 B496	뎮 B4A6	뎯 B4B6	뎰 B4C6	뎱 B4D6	뎲 B4E6	뎳 B4F6
7	뎦 B407	뎦 B417	뎦 B427	뎧 B437	뎨 B447	뎩 B457	뎪 B467	뎫 B477	뎬 B487	뎭 B497	뎮 B4A7	뎯 B4B7	뎰 B4C7	뎱 B4D7	뎲 B4E7	뎳 B4F7
8	뎦 B408	뎦 B418	뎦 B428	뎧 B438	뎨 B448	뎩 B458	뎪 B468	뎫 B478	뎬 B488	뎭 B498	뎮 B4A8	뎯 B4B8	뎰 B4C8	뎱 B4D8	뎲 B4E8	뎳 B4F8
9	뎦 B409	뎦 B419	뎦 B429	뎧 B439	뎨 B449	뎩 B459	뎪 B469	뎫 B479	뎬 B489	뎭 B499	뎮 B4A9	뎯 B4B9	뎰 B4C9	뎱 B4D9	뎲 B4E9	뎳 B4F9
A	뎦 B40A	뎦 B41A	뎦 B42A	뎧 B43A	뎨 B44A	뎩 B45A	뎪 B46A	뎫 B47A	뎬 B48A	뎭 B49A	뎮 B4AA	뎯 B4BA	뎰 B4CA	뎱 B4DA	뎲 B4EA	뎳 B4FA
B	뎦 B40B	뎦 B41B	뎦 B42B	뎧 B43B	뎨 B44B	뎩 B45B	뎪 B46B	뎫 B47B	뎬 B48B	뎭 B49B	뎮 B4AB	뎯 B4BB	뎰 B4CB	뎱 B4DB	뎲 B4EB	뎳 B4FB
C	뎦 B40C	뎦 B41C	뎦 B42C	뎧 B43C	뎨 B44C	뎩 B45C	뎪 B46C	뎫 B47C	뎬 B48C	뎭 B49C	뎮 B4AC	뎯 B4BC	뎰 B4CC	뎱 B4DC	뎲 B4EC	뎳 B4FC
D	뎦 B40D	뎦 B41D	뎦 B42D	뎧 B43D	뎨 B44D	뎩 B45D	뎪 B46D	뎫 B47D	뎬 B48D	뎭 B49D	뎮 B4AD	뎯 B4BD	뎰 B4CD	뎱 B4DD	뎲 B4ED	뎳 B4FD
E	뎦 B40E	뎦 B41E	뎦 B42E	뎧 B43E	뎨 B44E	뎩 B45E	뎪 B46E	뎫 B47E	뎬 B48E	뎭 B49E	뎮 B4AE	뎯 B4BE	뎰 B4CE	뎱 B4DE	뎲 B4EE	뎳 B4FE
F	뎦 B40F	뎦 B41F	뎦 B42F	뎧 B43F	뎨 B44F	뎩 B45F	뎪 B46F	뎫 B47F	뎬 B48F	뎭 B49F	뎮 B4AF	뎯 B4BF	뎰 B4CF	뎱 B4DF	뎲 B4EF	뎳 B4FF

	B50	B51	B52	B53	B54	B55	B56	B57	B58	B59	B5A	B5B	B5C	B5D	B5E	B5F
0	딜 B500	딕 B510	딛 B520	따 B530	따 B540	땨 B550	땨 B560	땨 B570	땨 B580	땨 B590	떠 B5A0	떠 B5B0	땨 B5C0	땨 B5D0	땨 B5E0	땨 B5F0
1	딛 B501	딛 B511	딛 B521	따 B531	따 B541	땨 B551	땨 B561	땨 B571	땨 B581	땨 B591	떠 B5A1	떠 B5B1	땨 B5C1	땨 B5D1	땨 B5E1	땨 B5F1
2	딛 B502	딛 B512	딛 B522	따 B532	따 B542	땨 B552	땨 B562	땨 B572	땨 B582	땨 B592	떠 B5A2	떠 B5B2	땨 B5C2	땨 B5D2	땨 B5E2	땨 B5F2
3	딛 B503	딛 B513	딛 B523	따 B533	따 B543	땨 B553	땨 B563	땨 B573	땨 B583	땨 B593	떠 B5A3	떠 B5B3	땨 B5C3	땨 B5D3	땨 B5E3	땨 B5F3
4	딛 B504	디 B514	딛 B524	따 B534	따 B544	땨 B554	땨 B564	땨 B574	땨 B584	땨 B594	떠 B5A4	떠 B5B4	땨 B5C4	땨 B5D4	땨 B5E4	땨 B5F4
5	딛 B505	딕 B515	딛 B525	따 B535	따 B545	땨 B555	땨 B565	땨 B575	땨 B585	땨 B595	떠 B5A5	떠 B5B5	땨 B5C5	땨 B5D5	땨 B5E5	땨 B5F5
6	딛 B506	딕 B516	딛 B526	따 B536	따 B546	땨 B556	땨 B566	땨 B576	땨 B586	땨 B596	떠 B5A6	떠 B5B6	땨 B5C6	땨 B5D6	땨 B5E6	땨 B5F6
7	딛 B507	딕 B517	딛 B527	따 B537	따 B547	땨 B557	땨 B567	땨 B577	땨 B587	땨 B597	떠 B5A7	떠 B5B7	땨 B5C7	땨 B5D7	땨 B5E7	땨 B5F7
8	딛 B508	딘 B518	딛 B528	따 B538	따 B548	땨 B558	땨 B568	땨 B578	땨 B588	땨 B598	떠 B5A8	떠 B5B8	땨 B5C8	땨 B5D8	땨 B5E8	땨 B5F8
9	딛 B509	딘 B519	딩 B529	따 B539	따 B549	땨 B559	땨 B569	땨 B579	땨 B589	땨 B599	떠 B5A9	떠 B5B9	땨 B5C9	땨 B5D9	땨 B5E9	땨 B5F9
A	딛 B50A	딩 B51A	딕 B52A	따 B53A	따 B54A	땨 B55A	땨 B56A	땨 B57A	땨 B58A	땨 B59A	떠 B5AA	떠 B5BA	땨 B5CA	땨 B5DA	땨 B5EA	땨 B5FA
B	딕 B50B	딘 B51B	딕 B52B	따 B53B	따 B54B	땨 B55B	땨 B56B	땨 B57B	땨 B58B	땨 B59B	떠 B5AB	떠 B5BB	땨 B5CB	땨 B5DB	땨 B5EB	땨 B5FB
C	딕 B50C	딜 B51C	딕 B52C	따 B53C	따 B54C	땨 B55C	땨 B56C	땨 B57C	땨 B58C	땨 B59C	떠 B5AC	떠 B5BC	땨 B5CC	땨 B5DC	땨 B5EC	땨 B5FC
D	딩 B50D	딕 B51D	딜 B52D	따 B53D	따 B54D	땨 B55D	땨 B56D	땨 B57D	땨 B58D	땨 B59D	떠 B5AD	떠 B5BD	땨 B5CD	땨 B5DD	땨 B5ED	땨 B5FD
E	딕 B50E	딛 B51E	딛 B52E	따 B53E	따 B54E	땨 B55E	땨 B56E	땨 B57E	땨 B58E	땨 B59E	떠 B5AE	떠 B5BE	땨 B5CE	땨 B5DE	땨 B5EE	땨 B5FE
F	딕 B50F	딛 B51F	딩 B52F	따 B53F	따 B54F	땨 B55F	땨 B56F	땨 B57F	땨 B58F	땨 B59F	떠 B5AF	떠 B5BF	땨 B5CF	땨 B5DF	땨 B5EF	땨 B5FF

	B60	B61	B62	B63	B64	B65	B66	B67	B68	B69	B6A	B6B	B6C	B6D	B6E	B6F
0	땡 B600	또 B610	뚝 B620	땡 B630	땡 B640	땡 B650	땡 B660	땡 B670	땡 B680	땡 B690	땡 B6A0	땡 B6B0	땡 B6C0	땡 B6D0	땡 B6E0	땡 B6F0
1	땡 B601	땡 B611	땡 B621	땡 B631	땡 B641	땡 B651	땡 B661	땡 B671	땡 B681	땡 B691	땡 B6A1	땡 B6B1	땡 B6C1	땡 B6D1	땡 B6E1	땡 B6F1
2	땡 B602	땡 B612	땡 B622	땡 B632	땡 B642	땡 B652	땡 B662	땡 B672	땡 B682	땡 B692	땡 B6A2	땡 B6B2	땡 B6C2	땡 B6D2	땡 B6E2	땡 B6F2
3	땡 B603	땡 B613	땡 B623	땡 B633	땡 B643	땡 B653	땡 B663	땡 B673	땡 B683	땡 B693	땡 B6A3	땡 B6B3	땡 B6C3	땡 B6D3	땡 B6E3	땡 B6F3
4	땡 B604	땡 B614	땡 B624	땡 B634	땡 B644	땡 B654	땡 B664	땡 B674	땡 B684	땡 B694	땡 B6A4	땡 B6B4	땡 B6C4	땡 B6D4	땡 B6E4	땡 B6F4
5	땡 B605	땡 B615	땡 B625	땡 B635	땡 B645	땡 B655	땡 B665	땡 B675	땡 B685	땡 B695	땡 B6A5	땡 B6B5	땡 B6C5	땡 B6D5	땡 B6E5	땡 B6F5
6	땡 B606	땡 B616	땡 B626	땡 B636	땡 B646	땡 B656	땡 B666	땡 B676	땡 B686	땡 B696	땡 B6A6	땡 B6B6	땡 B6C6	땡 B6D6	땡 B6E6	땡 B6F6
7	땡 B607	땡 B617	땡 B627	땡 B637	땡 B647	땡 B657	땡 B667	땡 B677	땡 B687	땡 B697	땡 B6A7	땡 B6B7	땡 B6C7	땡 B6D7	땡 B6E7	땡 B6F7
8	땡 B608	땡 B618	땡 B628	땡 B638	땡 B648	땡 B658	땡 B668	땡 B678	땡 B688	땡 B698	땡 B6A8	땡 B6B8	땡 B6C8	땡 B6D8	땡 B6E8	땡 B6F8
9	땡 B609	땡 B619	땡 B629	땡 B639	땡 B649	땡 B659	땡 B669	땡 B679	땡 B689	땡 B699	땡 B6A9	땡 B6B9	땡 B6C9	땡 B6D9	땡 B6E9	땡 B6F9
A	땡 B60A	땡 B61A	땡 B62A	땡 B63A	땡 B64A	땡 B65A	땡 B66A	땡 B67A	땡 B68A	땡 B69A	땡 B6AA	땡 B6BA	땡 B6CA	땡 B6DA	땡 B6EA	땡 B6FA
B	땡 B60B	땡 B61B	땡 B62B	땡 B63B	땡 B64B	땡 B65B	땡 B66B	땡 B67B	땡 B68B	땡 B69B	땡 B6AB	땡 B6BB	땡 B6CB	땡 B6DB	땡 B6EB	땡 B6FB
C	땡 B60C	땡 B61C	땡 B62C	땡 B63C	땡 B64C	땡 B65C	땡 B66C	땡 B67C	땡 B68C	땡 B69C	땡 B6AC	땡 B6BC	땡 B6CC	땡 B6DC	땡 B6EC	땡 B6FC
D	땡 B60D	땡 B61D	땡 B62D	땡 B63D	땡 B64D	땡 B65D	땡 B66D	땡 B67D	땡 B68D	땡 B69D	땡 B6AD	땡 B6BD	땡 B6CD	땡 B6DD	땡 B6ED	땡 B6FD
E	땡 B60E	땡 B61E	땡 B62E	땡 B63E	땡 B64E	땡 B65E	땡 B66E	땡 B67E	땡 B68E	땡 B69E	땡 B6AE	땡 B6BE	땡 B6CE	땡 B6DE	땡 B6EE	땡 B6FE
F	땡 B60F	땡 B61F	땡 B62F	땡 B63F	땡 B64F	땡 B65F	땡 B66F	땡 B67F	땡 B68F	땡 B69F	땡 B6AF	땡 B6BF	땡 B6CF	땡 B6DF	땡 B6EF	땡 B6FF



	B70	B71	B72	B73	B74	B75	B76	B77	B78	B79	B7A	B7B	B7C	B7D	B7E	B7F
0	뽁 B700	뽁 B710	뽁 B720	뽁 B730	뽁 B740	뽁 B750	뽁 B760	뽁 B770	란 B780	랏 B790	랏 B7A0	랏 B7B0	랏 B7C0	랏 B7D0	랏 B7E0	린 B7F0
1	뽁 B701	뽁 B711	뽁 B721	뽁 B731	뽁 B741	뽁 B751	뽁 B761	뽁 B771	랏 B781	랑 B791	랏 B7A1	랏 B7B1	랏 B7C1	랏 B7D1	랏 B7E1	린 B7F1
2	뽁 B702	뽁 B712	뽁 B722	뽁 B732	뽁 B742	뽁 B752	뽁 B762	뽁 B772	랏 B782	랏 B792	랏 B7A2	랏 B7B2	랏 B7C2	랏 B7D2	랏 B7E2	린 B7F2
3	뽁 B703	뽁 B713	뽁 B723	뽁 B733	뽁 B743	뽁 B753	뽁 B763	뽁 B773	란 B783	랏 B793	랏 B7A3	랏 B7B3	랏 B7C3	랏 B7D3	랏 B7E3	린 B7F3
4	뽁 B704	뽁 B714	뽁 B724	뽁 B734	뽁 B744	뽁 B754	뽁 B764	뽁 B774	랏 B784	랏 B794	랏 B7A4	랏 B7B4	랏 B7C4	랏 B7D4	랏 B7E4	린 B7F4
5	뽁 B705	뽁 B715	뽁 B725	뽁 B735	뽁 B745	뽁 B755	뽁 B765	뽁 B775	랏 B785	랏 B795	랏 B7A5	랏 B7B5	랏 B7C5	랏 B7D5	랏 B7E5	린 B7F5
6	뽁 B706	뽁 B716	뽁 B726	뽁 B736	뽁 B746	뽁 B756	뽁 B766	뽁 B776	랏 B786	랏 B796	랏 B7A6	랏 B7B6	랏 B7C6	랏 B7D6	랏 B7E6	린 B7F6
7	뽁 B707	뽁 B717	뽁 B727	뽁 B737	뽁 B747	뽁 B757	뽁 B767	뽁 B777	랏 B787	랑 B797	랏 B7A7	랏 B7B7	랏 B7C7	랏 B7D7	랏 B7E7	린 B7F7
8	뽁 B708	뽁 B718	뽁 B728	뽁 B738	뽁 B748	뽁 B758	뽁 B768	뽁 B778	랏 B788	랏 B798	랏 B7A8	랏 B7B8	랏 B7C8	랏 B7D8	랏 B7E8	린 B7F8
9	뽁 B709	뽁 B719	뽁 B729	뽁 B739	뽁 B749	뽁 B759	뽁 B769	뽁 B779	랏 B789	랏 B799	랏 B7A9	랏 B7B9	랏 B7C9	랏 B7D9	랏 B7E9	린 B7F9
A	뽁 B70A	뽁 B71A	뽁 B72A	뽁 B73A	뽁 B74A	뽁 B75A	뽁 B76A	뽁 B77A	랏 B78A	랏 B79A	랏 B7AA	랏 B7BA	랏 B7CA	랏 B7DA	랏 B7EA	린 B7FA
B	뽁 B70B	뽁 B71B	뽁 B72B	뽁 B73B	뽁 B74B	뽁 B75B	뽁 B76B	뽁 B77B	랏 B78B	랏 B79B	랏 B7AB	랏 B7BB	랏 B7CB	랏 B7DB	랏 B7EB	린 B7FB
C	뽁 B70C	뽁 B71C	뽁 B72C	뽁 B73C	뽁 B74C	뽁 B75C	뽁 B76C	뽁 B77C	랏 B78C	랏 B79C	랏 B7AC	랏 B7BC	랏 B7CC	랏 B7DC	랏 B7EC	린 B7FC
D	뽁 B70D	뽁 B71D	뽁 B72D	뽁 B73D	뽁 B74D	뽁 B75D	뽁 B76D	뽁 B77D	랏 B78D	랏 B79D	랏 B7AD	랏 B7BD	랏 B7CD	랏 B7DD	랏 B7ED	린 B7FD
E	뽁 B70E	뽁 B71E	뽁 B72E	뽁 B73E	뽁 B74E	뽁 B75E	뽁 B76E	뽁 B77E	랏 B78E	랏 B79E	랏 B7AE	랏 B7BE	랏 B7CE	랏 B7DE	랏 B7EE	린 B7FE
F	뽁 B70F	뽁 B71F	뽁 B72F	뽁 B73F	뽁 B74F	뽁 B75F	뽁 B76F	뽁 B77F	랏 B78F	랏 B79F	랏 B7AF	랏 B7BF	랏 B7CF	랏 B7DF	랏 B7EF	린 B7FF

	B80	B81	B82	B83	B84	B85	B86	B87	B88	B89	B8A	B8B	B8C	B8D	B8E	B8F
0	러 B800	렐 B810	렉 B820	러 B830	레 B840	렘 B850	론 B860	룻 B870	랄 B880	락 B890	랴 B8A0	뢰 B8B0	림 B8C0	룬 B8D0	룻 B8E0	를 B8F0
1	링 B801	렐 B811	렐 B821	려 B831	렉 B841	렘 B851	룻 B861	롱 B871	랄 B881	랄 B891	랴 B8A1	뢰 B8B1	림 B8C1	룻 B8D1	룽 B8E1	를 B8F1
2	러 B802	렘 B812	렐 B822	려 B832	렉 B842	렘 B852	룽 B862	룻 B872	랄 B882	랄 B892	랴 B8A2	뢰 B8B2	림 B8C2	룽 B8D2	룻 B8E2	를 B8F2
3	러 B803	렐 B813	렐 B823	려 B833	렉 B843	렘 B853	룬 B863	룻 B873	랄 B883	랄 B893	랴 B8A3	뢰 B8B3	림 B8C3	룬 B8D3	룻 B8E3	를 B8F3
4	릭 B804	렐 B814	려 B824	렘 B834	렌 B844	렐 B854	를 B864	룩 B874	랄 B884	래 B894	랴 B8A4	뢰 B8B4	림 B8C4	를 B8D4	룩 B8E4	를 B8F4
5	릴 B805	렐 B815	려 B825	렘 B835	렌 B845	렐 B855	를 B865	룬 B875	랄 B885	랙 B895	랴 B8A5	뢰 B8B5	림 B8C5	를 B8D5	를 B8E5	를 B8F5
6	러 B806	렐 B816	려 B826	러 B836	렐 B846	렐 B856	를 B866	룬 B876	랄 B886	랙 B896	랴 B8A6	뢰 B8B6	림 B8C6	를 B8D6	를 B8E6	를 B8F6
7	링 B807	렐 B817	려 B827	러 B837	렌 B847	렐 B857	를 B867	롱 B877	랄 B887	랙 B897	랴 B8A7	뢰 B8B7	림 B8C7	를 B8D7	룽 B8E7	를 B8F7
8	레 B808	렘 B818	려 B828	러 B838	렐 B848	렉 B858	룻 B868	러 B878	람 B888	랜 B898	랴 B8A8	뢰 B8B8	림 B8C8	를 B8D8	루 B8E8	름 B8F8
9	렉 B809	렐 B819	려 B829	링 B839	렉 B849	렐 B859	를 B869	랄 B879	람 B889	랜 B899	랴 B8A9	뢰 B8B9	림 B8C9	를 B8D9	룩 B8E9	름 B8F9
A	러 B80A	렐 B81A	려 B82A	러 B83A	렐 B84A	렐 B85A	를 B86A	랄 B87A	랄 B88A	랴 B89A	랴 B8AA	뢰 B8BA	림 B8CA	를 B8DA	류 B8EA	를 B8FA
B	러 B80B	렐 B81B	려 B82B	러 B83B	렐 B84B	렐 B85B	를 B86B	랄 B87B	랄 B88B	랴 B89B	랴 B8AB	뢰 B8BB	림 B8CB	를 B8DB	룻 B8EB	룻 B8FB
C	렌 B80C	렐 B81C	려 B82C	릭 B83C	렐 B84C	로 B85C	름 B86C	랄 B87C	랄 B88C	랴 B89C	랙 B8AC	뢰 B8BC	림 B8CC	를 B8DC	룬 B8EC	를 B8FC
D	러 B80D	렐 B81D	려 B82D	려 B83D	렐 B84D	룩 B85D	름 B86D	랄 B87D	랄 B88D	랴 B89D	랴 B8AD	뢰 B8BD	림 B8CD	를 B8DD	룻 B8ED	룽 B8FD
E	렐 B80E	렐 B81E	려 B82E	러 B83E	렐 B84E	룩 B85E	를 B86E	랄 B87E	랄 B88E	랴 B89E	랴 B8AE	뢰 B8BE	림 B8CE	를 B8DE	를 B8EE	룻 B8FE
F	렌 B80F	렐 B81F	려 B82F	려 B83F	렐 B84F	룻 B85F	룻 B86F	랄 B87F	랄 B88F	랴 B89F	랴 B8AF	뢰 B8BF	림 B8CF	를 B8DF	룬 B8EF	룻 B8FF

	B90	B91	B92	B93	B94	B95	B96	B97	B98	B99	B9A	B9B	B9C	B9D	B9E	B9F
0	룩 B900	뤠 B910	뤡 B920	뤢 B930	뤣 B940	뤤 B950	뤥 B960	뤦 B970	뤧 B980	뤨 B990	뤩 B9A0	뤪 B9B0	뤫 B9C0	말 B9D0	막 B9E0	맏 B9F0
1	릎 B901	릑 B911	릒 B921	릓 B931	릔 B941	릕 B951	릖 B961	릗 B971	릘 B981	릙 B991	릚 B9A1	릛 B9B1	링 B9C1	말 B9D1	말 B9E1	맏 B9F1
2	릜 B902	릝 B912	릞 B922	릟 B932	릠 B942	릡 B952	릢 B962	릣 B972	릤 B982	릥 B992	뤠 B9A2	뤡 B9B2	뤢 B9C2	말 B9D2	말 B9E2	맏 B9F2
3	릦 B903	릧 B913	릨 B923	릩 B933	릪 B943	릫 B953	리 B963	릭 B973	릮 B983	릯 B993	뤣 B9A3	뤤 B9B3	뤥 B9C3	말 B9D3	망 B9E3	맏 B9F3
4	뤦 B904	뤧 B914	뤨 B924	뤩 B934	뤪 B944	뤫 B954	뤬 B964	뤭 B974	뤮 B984	뤯 B994	뤰 B9A4	뤱 B9B4	뤲 B9C4	말 B9D4	매 B9E4	멤 B9F4
5	뤳 B905	뤴 B915	뤵 B925	뤶 B935	뤷 B945	뤸 B955	뤹 B965	뤺 B975	뤻 B985	뤼 B995	뤽 B9A5	뤾 B9B5	뤿 B9C5	말 B9D5	맥 B9E5	맏 B9F5
6	뤼 B906	뤽 B916	뤾 B926	뤿 B936	뤰 B946	뤱 B956	뤲 B966	뤳 B976	뤴 B986	뤵 B996	뤶 B9A6	뤷 B9B6	뤸 B9C6	말 B9D6	맥 B9E6	맏 B9F6
7	뤹 B907	뤺 B917	뤻 B927	뤼 B937	뤽 B947	뤾 B957	뤿 B967	뤰 B977	뤱 B987	뤲 B997	뤳 B9A7	뤴 B9B7	뤵 B9C7	말 B9D7	맏 B9E7	맏 B9F7
8	뤼 B908	뤽 B918	뤾 B928	뤿 B938	뤰 B948	뤱 B958	뤲 B968	뤳 B978	뤴 B988	뤵 B998	뤶 B9A8	뤷 B9B8	뤸 B9C8	마 B9D8	맘 B9E8	맏 B9F8
9	뤹 B909	뤺 B919	뤻 B929	뤼 B939	뤽 B949	뤾 B959	뤿 B969	뤰 B979	뤱 B989	뤲 B999	뤳 B9A9	뤴 B9B9	뤵 B9C9	막 B9D9	맏 B9E9	맏 B9F9
A	뤾 B90A	뤿 B91A	뤰 B92A	뤱 B93A	뤲 B94A	뤳 B95A	뤴 B96A	뤵 B97A	뤶 B98A	뤷 B99A	뤸 B9AA	뤹 B9BA	뤺 B9CA	말 B9DA	맏 B9EA	맏 B9FA
B	뤼 B90B	뤽 B91B	뤾 B92B	뤿 B93B	뤰 B94B	뤱 B95B	뤲 B96B	뤳 B97B	뤴 B98B	뤵 B99B	뤶 B9AB	뤷 B9BB	뤸 B9CB	말 B9DB	맏 B9EB	맏 B9FB
C	뤼 B90C	뤽 B91C	뤾 B92C	뤿 B93C	뤰 B94C	뤱 B95C	뤲 B96C	뤳 B97C	뤴 B98C	뤵 B99C	리 B9AC	림 B9BC	만 B9CC	말 B9DC	맏 B9EC	맥 B9FC
D	뤼 B90D	뤽 B91D	뤾 B92D	뤿 B93D	뤰 B94D	뤱 B95D	뤲 B96D	뤳 B97D	뤴 B98D	뤵 B99D	리 B9AD	림 B9BD	말 B9CD	망 B9DD	맏 B9ED	맏 B9FD
E	뤹 B90E	뤺 B91E	뤻 B92E	뤼 B93E	뤽 B94E	뤾 B95E	뤿 B96E	뤰 B97E	뤱 B98E	뤲 B99E	뤳 B9AE	뤴 B9BE	말 B9CE	말 B9DE	맏 B9EE	맏 B9FE
F	뤹 B90F	뤺 B91F	뤻 B92F	뤼 B93F	뤽 B94F	뤾 B95F	뤿 B96F	뤰 B97F	뤱 B98F	뤲 B99F	뤳 B9AF	뤴 B9BF	만 B9CF	말 B9DF	맏 B9EF	맏 B9FF

	BA0	BA1	BA2	BA3	BA4	BA5	BA6	BA7	BA8	BA9	BAA	BAB	BAC	BAD	BAE	BAF
0	ㅁㅏ BA00	ㅁㅑ BA10	ㅁㅓ BA20	ㅁㅕ BA30	ㅁㅗ BA40	ㅁㅛ BA50	ㅁㅜ BA60	ㅁㅠ BA70	ㅁㅡ BA80	ㅁㅣ BA90	ㅁㅐ BAA0	ㅁㅑ BAB0	ㅁㅓ BAC0	ㅁㅕ BAD0	ㅁㅗ BAE0	ㅁㅛ BAF0
1	ㅁㅑ BA01	ㅁㅓ BA11	ㅁㅕ BA21	ㅁㅗ BA31	ㅁㅛ BA41	ㅁㅜ BA51	ㅁㅠ BA61	ㅁㅡ BA71	ㅁㅣ BA81	ㅁㅐ BA91	ㅁㅑ BAA1	ㅁㅓ BAB1	ㅁㅕ BAC1	ㅁㅗ BAD1	ㅁㅛ BAE1	ㅁㅜ BAF1
2	ㅁㅓ BA02	ㅁㅕ BA12	ㅁㅗ BA22	ㅁㅛ BA32	ㅁㅜ BA42	ㅁㅠ BA52	ㅁㅡ BA62	ㅁㅣ BA72	ㅁㅐ BA82	ㅁㅑ BA92	ㅁㅓ BAA2	ㅁㅕ BAB2	ㅁㅗ BAC2	ㅁㅛ BAD2	ㅁㅜ BAE2	ㅁㅠ BAF2
3	ㅁㅕ BA03	ㅁㅗ BA13	ㅁㅛ BA23	ㅁㅜ BA33	ㅁㅠ BA43	ㅁㅡ BA53	ㅁㅣ BA63	ㅁㅐ BA73	ㅁㅑ BA83	ㅁㅓ BA93	ㅁㅕ BAA3	ㅁㅗ BAB3	ㅁㅛ BAC3	ㅁㅜ BAD3	ㅁㅠ BAE3	ㅁㅡ BAF3
4	ㅁㅗ BA04	ㅁㅛ BA14	ㅁㅜ BA24	ㅁㅠ BA34	ㅁㅡ BA44	ㅁㅣ BA54	ㅁㅐ BA64	ㅁㅑ BA74	ㅁㅓ BA84	ㅁㅕ BA94	ㅁㅗ BAA4	ㅁㅛ BAB4	ㅁㅜ BAC4	ㅁㅠ BAD4	ㅁㅡ BAE4	ㅁㅣ BAF4
5	ㅁㅛ BA05	ㅁㅜ BA15	ㅁㅠ BA25	ㅁㅡ BA35	ㅁㅣ BA45	ㅁㅐ BA55	ㅁㅑ BA65	ㅁㅓ BA75	ㅁㅕ BA85	ㅁㅗ BA95	ㅁㅛ BAA5	ㅁㅜ BAB5	ㅁㅠ BAC5	ㅁㅡ BAD5	ㅁㅣ BAE5	ㅁㅐ BAF5
6	ㅁㅜ BA06	ㅁㅠ BA16	ㅁㅡ BA26	ㅁㅣ BA36	ㅁㅐ BA46	ㅁㅑ BA56	ㅁㅓ BA66	ㅁㅕ BA76	ㅁㅗ BA86	ㅁㅛ BA96	ㅁㅜ BAA6	ㅁㅠ BAB6	ㅁㅡ BAC6	ㅁㅣ BAD6	ㅁㅐ BAE6	ㅁㅑ BAF6
7	ㅁㅛ BA07	ㅁㅜ BA17	ㅁㅠ BA27	ㅁㅡ BA37	ㅁㅣ BA47	ㅁㅐ BA57	ㅁㅑ BA67	ㅁㅓ BA77	ㅁㅕ BA87	ㅁㅗ BA97	ㅁㅛ BAA7	ㅁㅜ BAB7	ㅁㅠ BAC7	ㅁㅡ BAD7	ㅁㅣ BAE7	ㅁㅐ BAF7
8	ㅁㅕ BA08	ㅁㅗ BA18	ㅁㅛ BA28	ㅁㅜ BA38	ㅁㅠ BA48	ㅁㅡ BA58	ㅁㅣ BA68	ㅁㅐ BA78	ㅁㅑ BA88	ㅁㅓ BA98	ㅁㅕ BAA8	ㅁㅗ BAB8	ㅁㅛ BAC8	ㅁㅜ BAD8	ㅁㅠ BAE8	ㅁㅡ BAF8
9	ㅁㅗ BA09	ㅁㅛ BA19	ㅁㅜ BA29	ㅁㅠ BA39	ㅁㅡ BA49	ㅁㅣ BA59	ㅁㅐ BA69	ㅁㅑ BA79	ㅁㅓ BA89	ㅁㅕ BA99	ㅁㅗ BAA9	ㅁㅛ BAB9	ㅁㅜ BAC9	ㅁㅠ BAD9	ㅁㅡ BAE9	ㅁㅣ BAF9
A	ㅁㅓ BA0A	ㅁㅕ BA1A	ㅁㅗ BA2A	ㅁㅛ BA3A	ㅁㅜ BA4A	ㅁㅠ BA5A	ㅁㅡ BA6A	ㅁㅣ BA7A	ㅁㅐ BA8A	ㅁㅑ BA9A	ㅁㅓ BAAA	ㅁㅕ BABA	ㅁㅗ BACA	ㅁㅛ BADA	ㅁㅜ BAEA	ㅁㅠ BAFA
B	ㅁㅕ BA0B	ㅁㅗ BA1B	ㅁㅛ BA2B	ㅁㅜ BA3B	ㅁㅠ BA4B	ㅁㅡ BA5B	ㅁㅣ BA6B	ㅁㅐ BA7B	ㅁㅑ BA8B	ㅁㅓ BA9B	ㅁㅕ BAAB	ㅁㅗ BABB	ㅁㅛ BACB	ㅁㅜ BADB	ㅁㅠ BAEB	ㅁㅡ BAFB
C	ㅁㅗ BA0C	ㅁㅛ BA1C	ㅁㅜ BA2C	ㅁㅠ BA3C	ㅁㅡ BA4C	ㅁㅣ BA5C	ㅁㅐ BA6C	ㅁㅑ BA7C	ㅁㅓ BA8C	ㅁㅕ BA9C	ㅁㅗ BAAC	ㅁㅛ BABC	ㅁㅜ BACC	ㅁㅠ BADC	ㅁㅡ BAEC	ㅁㅣ BAFC
D	ㅁㅛ BA0D	ㅁㅜ BA1D	ㅁㅠ BA2D	ㅁㅡ BA3D	ㅁㅣ BA4D	ㅁㅐ BA5D	ㅁㅑ BA6D	ㅁㅓ BA7D	ㅁㅕ BA8D	ㅁㅗ BA9D	ㅁㅛ BAAD	ㅁㅜ BABD	ㅁㅠ BACD	ㅁㅡ BADD	ㅁㅣ BAED	ㅁㅐ BAFD
E	ㅁㅜ BA0E	ㅁㅠ BA1E	ㅁㅡ BA2E	ㅁㅣ BA3E	ㅁㅐ BA4E	ㅁㅑ BA5E	ㅁㅓ BA6E	ㅁㅕ BA7E	ㅁㅗ BA8E	ㅁㅛ BA9E	ㅁㅜ BAAE	ㅁㅠ BABE	ㅁㅡ BACE	ㅁㅣ BADE	ㅁㅐ BAEE	ㅁㅑ BAFE
F	ㅁㅛ BA0F	ㅁㅜ BA1F	ㅁㅠ BA2F	ㅁㅡ BA3F	ㅁㅣ BA4F	ㅁㅐ BA5F	ㅁㅑ BA6F	ㅁㅓ BA7F	ㅁㅕ BA8F	ㅁㅗ BA9F	ㅁㅛ BAAF	ㅁㅜ BABF	ㅁㅠ BACF	ㅁㅡ BADF	ㅁㅣ BAEF	ㅁㅐ BAFF

	BB0	BB1	BB2	BB3	BB4	BB5	BB6	BB7	BB8	BB9	BBA	BBB	BBC	BBD	BBE	BBF
0	빈 BB00	빚 BB10	몰 BB20	목 BB30	몫 BB40	뫼 BB50	뫼 BB60	웁 BB70	웁 BB80	뫼 BB90	뫼 BBA0	뫼 BBB0	므 BBC0	므 BBD0	민 BBE0	빚 BBF0
1	뫼 BB01	뫼 BB11	뫼 BB21	뫼 BB31	뫼 BB41	뫼 BB51	뫼 BB61	뫼 BB71	뫼 BB81	뫼 BB91	뫼 BBA1	뫼 BBB1	므 BBC1	므 BBD1	민 BBE1	뫼 BBF1
2	뫼 BB02	뫼 BB12	뫼 BB22	뫼 BB32	뫼 BB42	뫼 BB52	뫼 BB62	뫼 BB72	뫼 BB82	뫼 BB92	뫼 BBA2	뫼 BBB2	므 BBC2	므 BBD2	민 BBE2	뫼 BBF2
3	빈 BB03	빚 BB13	뫼 BB23	뫼 BB33	뫼 BB43	뫼 BB53	뫼 BB63	웁 BB73	웁 BB83	뫼 BB93	뫼 BBA3	뫼 BBB3	므 BBC3	므 BBD3	민 BBE3	뫼 BBF3
4	뫼 BB04	뫼 BB14	뫼 BB24	뫼 BB34	뫼 BB44	뫼 BB54	뫼 BB64	뫼 BB74	뫼 BB84	뫼 BB94	뫼 BBA4	뫼 BBB4	므 BBC4	므 BBD4	민 BBE4	뫼 BBF4
5	뫼 BB05	뫼 BB15	뫼 BB25	뫼 BB35	뫼 BB45	뫼 BB55	뫼 BB65	뫼 BB75	뫼 BB85	뫼 BB95	뫼 BBA5	뫼 BBB5	므 BBC5	므 BBD5	민 BBE5	뫼 BBF5
6	뫼 BB06	뫼 BB16	뫼 BB26	뫼 BB36	뫼 BB46	뫼 BB56	뫼 BB66	뫼 BB76	뫼 BB86	뫼 BB96	뫼 BBA6	뫼 BBB6	므 BBC6	므 BBD6	민 BBE6	뫼 BBF6
7	뫼 BB07	뫼 BB17	뫼 BB27	뫼 BB37	뫼 BB47	뫼 BB57	뫼 BB67	뫼 BB77	뫼 BB87	뫼 BB97	뫼 BBA7	뫼 BBB7	므 BBC7	므 BBD7	민 BBE7	뫼 BBF7
8	뫼 BB08	뫼 BB18	뫼 BB28	뫼 BB38	뫼 BB48	뫼 BB58	뫼 BB68	뫼 BB78	뫼 BB88	뫼 BB98	뫼 BBA8	뫼 BBB8	므 BBC8	므 BBD8	민 BBE8	뫼 BBF8
9	뫼 BB09	뫼 BB19	뫼 BB29	뫼 BB39	뫼 BB49	뫼 BB59	뫼 BB69	뫼 BB79	뫼 BB89	뫼 BB99	뫼 BBA9	뫼 BBB9	므 BBC9	므 BBD9	민 BBE9	뫼 BBF9
A	뫼 BB0A	뫼 BB1A	뫼 BB2A	뫼 BB3A	뫼 BB4A	뫼 BB5A	뫼 BB6A	뫼 BB7A	뫼 BB8A	뫼 BB9A	뫼 BBA A	뫼 BBB A	므 BBC A	므 BBD A	민 BBE A	뫼 BBF A
B	뫼 BB0B	뫼 BB1B	뫼 BB2B	뫼 BB3B	뫼 BB4B	뫼 BB5B	뫼 BB6B	뫼 BB7B	뫼 BB8B	뫼 BB9B	뫼 BBA B	뫼 BBB B	므 BBC B	므 BBD B	민 BBE B	뫼 BBF B
C	뫼 BB0C	뫼 BB1C	뫼 BB2C	뫼 BB3C	뫼 BB4C	뫼 BB5C	뫼 BB6C	뫼 BB7C	뫼 BB8C	뫼 BB9C	뫼 BBA C	뫼 BBB C	므 BBC C	므 BBD C	민 BBE C	뫼 BBF C
D	뫼 BB0D	뫼 BB1D	뫼 BB2D	뫼 BB3D	뫼 BB4D	뫼 BB5D	뫼 BB6D	뫼 BB7D	뫼 BB8D	뫼 BB9D	뫼 BBA D	뫼 BBB D	므 BBC D	므 BBD D	민 BBE D	뫼 BBF D
E	뫼 BB0E	뫼 BB1E	뫼 BB2E	뫼 BB3E	뫼 BB4E	뫼 BB5E	뫼 BB6E	뫼 BB7E	뫼 BB8E	뫼 BB9E	뫼 BBA E	뫼 BBB E	므 BBC E	므 BBD E	민 BBE E	뫼 BBF E
F	뫼 BB0F	뫼 BB1F	뫼 BB2F	뫼 BB3F	뫼 BB4F	뫼 BB5F	뫼 BB6F	뫼 BB7F	뫼 BB8F	뫼 BB9F	뫼 BBA F	뫼 BBB F	므 BBC F	므 BBD F	민 BBE F	뫼 BBF F

	BC0	BC1	BC2	BC3	BC4	BC5	BC6	BC7	BC8	BC9	BCA	BCB	BCC	BCD	BCE	BCF
0	밀 BC00	믹 BC10	밭 BC20	배 BC30	땀 BC40	반 BC50	땃 BC60	뵤 BC70	백 BC80	벗 BC90	베 BCA0	뵼 BCB0	변 BCC0	벗 BCD0	벨 BCE0	벅 BCF0
1	밉 BC01	미 BC11	밭 BC21	백 BC31	땀 BC41	땃 BC51	땃 BC61	뵤 BC71	뵤 BC81	뵤 BC91	벅 BCA1	뵼 BCB1	뵤 BCC1	뵤 BCD1	뵤 BCE1	뵤 BCF1
2	밉 BC02	미 BC12	밭 BC22	백 BC32	땀 BC42	땃 BC52	땃 BC62	뵤 BC72	뵤 BC82	뵤 BC92	벅 BCA2	뵼 BCB2	뵤 BCC2	뵤 BCD2	뵤 BCE2	뵤 BCF2
3	밉 BC03	밍 BC13	밭 BC23	땀 BC33	땀 BC43	땃 BC53	땃 BC63	뵤 BC73	뵤 BC83	뵤 BC93	벅 BCA3	뵼 BCB3	뵤 BCC3	뵤 BCD3	뵤 BCE3	뵤 BCF3
4	밉 BC04	바 BC14	밤 BC24	땀 BC34	땀 BC44	땃 BC54	땃 BC64	뵤 BC74	뵤 BC84	뵤 BC94	벅 BCA4	뵼 BCB4	뵤 BCC4	뵤 BCD4	뵤 BCE4	뵤 BCF4
5	밉 BC05	박 BC15	밥 BC25	땀 BC35	땀 BC45	땃 BC55	땃 BC65	뵤 BC75	뵤 BC85	뵤 BC95	벅 BCA5	뵼 BCB5	뵤 BCC5	뵤 BCD5	뵤 BCE5	뵤 BCF5
6	밉 BC06	밖 BC16	밭 BC26	땀 BC36	땀 BC46	땃 BC56	땃 BC66	뵤 BC76	뵤 BC86	뵤 BC96	벅 BCA6	뵼 BCB6	뵤 BCC6	뵤 BCD6	뵤 BCE6	뵤 BCF6
7	밉 BC07	밖 BC17	밭 BC27	땀 BC37	땀 BC47	땃 BC57	땃 BC67	뵤 BC77	뵤 BC87	뵤 BC97	벅 BCA7	뵼 BCB7	뵤 BCC7	뵤 BCD7	뵤 BCE7	뵤 BCF7
8	밉 BC08	반 BC18	땃 BC28	뵤 BC38	백 BC48	땃 BC58	땀 BC68	뵤 BC78	뵤 BC88	뵤 BC98	뵤 BCA8	뵼 BCB8	뵤 BCC8	뵤 BCD8	뵤 BCE8	뵤 BCF8
9	밉 BC09	땃 BC19	방 BC29	뵤 BC39	뵤 BC49	땃 BC59	땀 BC69	뵤 BC79	뵤 BC89	뵤 BC99	뵤 BCA9	뵼 BCB9	뵤 BCC9	뵤 BCD9	뵤 BCE9	뵤 BCF9
A	밉 BC0A	밭 BC1A	땃 BC2A	뵤 BC3A	뵤 BC4A	땃 BC5A	땀 BC6A	뵤 BC7A	뵤 BC8A	뵤 BC9A	뵤 BCAA	뵼 BCBA	뵤 BCCA	뵤 BCDA	뵤 BCEA	뵤 BCFA
B	밉 BC0B	반 BC1B	땃 BC2B	뵤 BC3B	땀 BC4B	땃 BC5B	땀 BC6B	뵤 BC7B	뵤 BC8B	뵤 BC9B	뵤 BCAB	뵼 BCBB	뵤 BCCB	뵤 BCDB	뵤 BCEB	뵤 BCFB
C	밉 BC0C	밭 BC1C	밖 BC2C	뵤 BC3C	바 BC4C	땀 BC5C	땀 BC6C	뵤 BC7C	뵤 BC8C	뵤 BC9C	뵤 BCAC	뵼 BCBC	뵤 BCCC	뵤 BCDC	뵤 BCEC	뵤 BCFC
D	밉 BC0D	밖 BC1D	밭 BC2D	뵤 BC3D	밖 BC4D	땀 BC5D	땀 BC6D	뵤 BC7D	뵤 BC8D	뵤 BC9D	뵤 BCAD	뵼 BCBD	뵤 BCCD	뵤 BCDD	뵤 BCED	뵤 BCFD
E	밉 BC0E	밭 BC1E	땃 BC2E	뵤 BC3E	밖 BC4E	땃 BC5E	땀 BC6E	뵤 BC7E	뵤 BC8E	뵤 BC9E	뵤 BCAE	뵼 BCBE	뵤 BCEE	뵤 BCDE	뵤 BCEE	뵤 BCFE
F	밉 BC0F	밖 BC1F	방 BC2F	뵤 BC3F	땃 BC4F	땃 BC5F	땀 BC6F	뵤 BC7F	뵤 BC8F	뵤 BC9F	뵤 BCAF	뵼 BCBF	뵤 BCCF	뵤 BCDF	뵤 BCEF	뵤 BCFF

	BD0	BD1	BD2	BD3	BD4	BD5	BD6	BD7	BD8	BD9	BDA	BDB	BDC	BDD	BDE	BDF
0	뵁 BD00	뵂 BD10	뵃 BD20	뵄 BD30	뵅 BD40	뵆 BD50	뵇 BD60	뵈 BD70	뵉 BD80	뵊 BD90	뵋 BDA0	뵌 BDB0	뵍 BDC0	뵑 BDD0	뵒 BDE0	뵓 BDF0
1	뵔 BD01	뵕 BD11	뵖 BD21	뵗 BD31	뵘 BD41	뵙 BD51	뵚 BD61	뵛 BD71	뵜 BD81	뵝 BD91	뵞 BDA1	뵟 BDB1	뵠 BDC1	뵡 BDD1	뵢 BDE1	뵣 BDF1
2	뵤 BD02	뵦 BD12	뵧 BD22	뵨 BD32	뵩 BD42	뵪 BD52	뵫 BD62	뵬 BD72	뵭 BD82	뵮 BD92	뵯 BDA2	뵰 BDB2	뵱 BDC2	뵲 BDD2	뵳 BDE2	뵴 BDF2
3	뵵 BD03	뵶 BD13	뵷 BD23	뵸 BD33	뵹 BD43	뵺 BD53	뵻 BD63	뵼 BD73	뵝 BD83	뵞 BD93	뵟 BDA3	뵠 BDB3	뵡 BDC3	뵢 BDD3	뵣 BDE3	뵤 BDF3
4	뵱 BD04	뵲 BD14	뵳 BD24	뵴 BD34	뵵 BD44	뵶 BD54	뵷 BD64	뵸 BD74	뵹 BD84	뵺 BD94	뵻 BDA4	뵜 BDB4	뵝 BDC4	뵞 BDD4	뵟 BDE4	뵠 BDF4
5	뵫 BD05	뵬 BD15	뵭 BD25	뵮 BD35	뵯 BD45	뵰 BD55	뵱 BD65	뵲 BD75	뵳 BD85	뵴 BD95	뵵 BDA5	뵶 BDB5	뵷 BDC5	뵸 BDD5	뵹 BDE5	뵺 BDF5
6	뵛 BD06	뵜 BD16	뵝 BD26	뵞 BD36	뵟 BD46	뵠 BD56	뵡 BD66	뵢 BD76	뵣 BD86	뵤 BD96	뵥 BDA6	뵦 BDB6	뵧 BDC6	뵨 BDD6	뵩 BDE6	뵪 BDF6
7	뵱 BD07	뵲 BD17	뵳 BD27	뵴 BD37	뵵 BD47	뵶 BD57	뵷 BD67	뵸 BD77	뵹 BD87	뵺 BD97	뵻 BDA7	뵜 BDB7	뵝 BDC7	뵞 BDD7	뵟 BDE7	뵠 BDF7
8	뵛 BD08	뵜 BD18	뵝 BD28	뵞 BD38	뵟 BD48	뵠 BD58	뵡 BD68	뵢 BD78	뵣 BD88	뵤 BD98	뵥 BDA8	뵦 BDB8	뵧 BDC8	뵨 BDD8	뵩 BDE8	뵪 BDF8
9	뵭 BD09	뵮 BD19	뵯 BD29	뵰 BD39	뵱 BD49	뵲 BD59	뵳 BD69	뵴 BD79	뵵 BD89	뵶 BD99	뵷 BDA9	뵸 BDB9	뵹 BDC9	뵺 BDD9	뵻 BDE9	뵜 BDF9
A	뵱 BD0A	뵲 BD1A	뵳 BD2A	뵴 BD3A	뵵 BD4A	뵶 BD5A	뵷 BD6A	뵸 BD7A	뵹 BD8A	뵺 BD9A	뵻 BDAA	뵜 BDBA	뵝 BDCA	뵞 BDDA	뵟 BDEA	뵠 BDFa
B	뵱 BD0B	뵲 BD1B	뵳 BD2B	뵴 BD3B	뵵 BD4B	뵶 BD5B	뵷 BD6B	뵸 BD7B	뵹 BD8B	뵺 BD9B	뵻 BDAB	뵜 BDBB	뵝 BDCB	뵞 BDDB	뵟 BDEB	뵠 BDFB
C	뵫 BD0C	뵬 BD1C	뵭 BD2C	뵮 BD3C	뵯 BD4C	뵰 BD5C	뵱 BD6C	뵲 BD7C	뵳 BD8C	뵴 BD9C	뵵 BDAC	뵶 BDBC	뵷 BDCC	뵸 BDDC	뵹 BDEC	뵺 BDFC
D	뵱 BD0D	뵲 BD1D	뵳 BD2D	뵴 BD3D	뵵 BD4D	뵶 BD5D	뵷 BD6D	뵸 BD7D	뵹 BD8D	뵺 BD9D	뵻 BDAD	뵜 BDBD	뵝 BDCD	뵞 BDDD	뵟 BDED	뵠 BDFD
E	뵱 BD0E	뵲 BD1E	뵳 BD2E	뵴 BD3E	뵵 BD4E	뵶 BD5E	뵷 BD6E	뵸 BD7E	뵹 BD8E	뵺 BD9E	뵻 BDAE	뵜 BDBE	뵝 BDCE	뵞 BDDE	뵟 BDEE	뵠 BDFE
F	뵭 BD0F	뵮 BD1F	뵯 BD2F	뵰 BD3F	뵱 BD4F	뵲 BD5F	뵳 BD6F	뵴 BD7F	뵵 BD8F	뵶 BD9F	뵷 BDAF	뵸 BDBF	뵹 BDCF	뵺 BDDF	뵻 BDEF	뵜 BDFf

	BE0	BE1	BE2	BE3	BE4	BE5	BE6	BE7	BE8	BE9	BEA	BEB	BEC	BED	BEE	BEF
0	븀 BE00	븁 BE10	븂 BE20	븃 BE30	븄 BE40	븅 BE50	븆 BE60	븇 BE70	븈 BE80	븉 BE90	븊 BEA0	븋 BEB0	브 BEC0	븍 BED0	븎 BEE0	븏 BEF0
1	븑 BE01	븒 BE11	븓 BE21	블 BE31	븕 BE41	븖 BE51	븗 BE61	븘 BE71	븙 BE81	븚 BE91	븛 BEA1	븜 BEB1	븝 BEC1	븞 BED1	븟 BEE1	븠 BEF1
2	븡 BE02	븢 BE12	븣 BE22	븤 BE32	븥 BE42	븦 BE52	븧 BE62	븨 BE72	븩 BE82	븪 BE92	븫 BEA2	븬 BEB2	븭 BEC2	븮 BED2	븯 BEE2	븰 BEF2
3	븱 BE03	븲 BE13	븳 BE23	븴 BE33	븵 BE43	븶 BE53	븷 BE63	븸 BE73	븹 BE83	븺 BE93	븻 BEA3	븼 BEB3	븽 BEC3	븞 BED3	븟 BEE3	븠 BEF3
4	븡 BE04	븢 BE14	븣 BE24	븤 BE34	비 BE44	븶 BE54	븷 BE64	븸 BE74	븹 BE84	븺 BE94	븻 BEA4	븼 BEB4	븽 BEC4	븞 BED4	븟 BEE4	븠 BEF4
5	븣 BE05	븤 BE15	븥 BE25	븦 BE35	븧 BE45	븨 BE55	븩 BE65	븪 BE75	븫 BE85	븬 BE95	븭 BEA5	븮 BEB5	븯 BEC5	븰 BED5	븱 BEE5	븲 BEF5
6	븳 BE06	븴 BE16	븵 BE26	븶 BE36	븷 BE46	븸 BE56	븹 BE66	븺 BE76	븻 BE86	븼 BE96	븽 BEA6	븞 BEB6	븟 BEC6	븠 BED6	븡 BEE6	븢 BEF6
7	븣 BE07	븤 BE17	븥 BE27	븦 BE37	븧 BE47	븨 BE57	븩 BE67	븪 BE77	븫 BE87	븬 BE97	븭 BEA7	븮 BEB7	븯 BEC7	븰 BED7	븱 BEE7	븲 BEF7
8	븣 BE08	븤 BE18	븥 BE28	븦 BE38	븧 BE48	븨 BE58	븩 BE68	븪 BE78	븫 BE88	븬 BE98	븭 BEA8	븮 BEB8	븯 BEC8	븰 BED8	븱 BEE8	븲 BEF8
9	븣 BE09	븤 BE19	븥 BE29	븦 BE39	븧 BE49	븨 BE59	븩 BE69	븪 BE79	븫 BE89	븬 BE99	븭 BEA9	븮 BEB9	븯 BEC9	븰 BED9	븱 BEE9	븲 BEF9
A	븳 BE0A	븴 BE1A	븵 BE2A	븶 BE3A	븷 BE4A	븸 BE5A	븹 BE6A	븺 BE7A	븻 BE8A	븼 BE9A	븽 BEA0	븞 BEB0	븟 BEC0	븠 BED0	븡 BEE0	븢 BEF0
B	븣 BE0B	븤 BE1B	븥 BE2B	븦 BE3B	븧 BE4B	븨 BE5B	븩 BE6B	븪 BE7B	븫 BE8B	븬 BE9B	븭 BEAB	븮 BEBB	븯 BECB	븰 BEDB	븱 BEEB	븲 BEFB
C	븣 BE0C	븤 BE1C	븥 BE2C	븦 BE3C	븧 BE4C	븨 BE5C	븩 BE6C	븪 BE7C	븫 BE8C	븬 BE9C	븭 BEAC	븮 BEB0	븯 BEC0	븰 BED0	븱 BEE0	븲 BEF0
D	븣 BE0D	븤 BE1D	븥 BE2D	븦 BE3D	븧 BE4D	븨 BE5D	븩 BE6D	븪 BE7D	븫 BE8D	븬 BE9D	븭 BEAD	븮 BEBD	븯 BEC0	븰 BED0	븱 BEE0	븲 BEF0
E	븣 BE0E	븤 BE1E	븥 BE2E	븦 BE3E	븧 BE4E	븨 BE5E	븩 BE6E	븪 BE7E	븫 BE8E	븬 BE9E	븭 BEAE	븮 BEBE	븯 BEC0	븰 BED0	븱 BEE0	븲 BEF0
F	븣 BE0F	븤 BE1F	븥 BE2F	븦 BE3F	븧 BE4F	븨 BE5F	븩 BE6F	븪 BE7F	븫 BE8F	븬 BE9F	븭 BEAF	븮 BEBF	븯 BEC0	븰 BED0	븱 BEE0	븲 BEF0



	BF0	BF1	BF2	BF3	BF4	BF5	BF6	BF7	BF8	BF9	BFA	BFB	BFC	BFD	BFE	BFF
0	ㅂ	ㅃ	ㅄ	ㅅ	ㅆ	ㅈ	ㅊ	ㅋ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ
1	ㅂ	ㅃ	ㅄ	ㅅ	ㅆ	ㅈ	ㅊ	ㅋ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ
2	ㅂ	ㅃ	ㅄ	ㅅ	ㅆ	ㅈ	ㅊ	ㅋ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ
3	ㅂ	ㅃ	ㅄ	ㅅ	ㅆ	ㅈ	ㅊ	ㅋ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ
4	ㅂ	ㅃ	ㅄ	ㅅ	ㅆ	ㅈ	ㅊ	ㅋ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ
5	ㅂ	ㅃ	ㅄ	ㅅ	ㅆ	ㅈ	ㅊ	ㅋ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ
6	ㅂ	ㅃ	ㅄ	ㅅ	ㅆ	ㅈ	ㅊ	ㅋ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ
7	ㅂ	ㅃ	ㅄ	ㅅ	ㅆ	ㅈ	ㅊ	ㅋ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ
8	ㅂ	ㅃ	ㅄ	ㅅ	ㅆ	ㅈ	ㅊ	ㅋ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ
9	ㅂ	ㅃ	ㅄ	ㅅ	ㅆ	ㅈ	ㅊ	ㅋ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ
A	ㅂ	ㅃ	ㅄ	ㅅ	ㅆ	ㅈ	ㅊ	ㅋ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ
B	ㅂ	ㅃ	ㅄ	ㅅ	ㅆ	ㅈ	ㅊ	ㅋ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ
C	ㅂ	ㅃ	ㅄ	ㅅ	ㅆ	ㅈ	ㅊ	ㅋ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ
D	ㅂ	ㅃ	ㅄ	ㅅ	ㅆ	ㅈ	ㅊ	ㅋ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ
E	ㅂ	ㅃ	ㅄ	ㅅ	ㅆ	ㅈ	ㅊ	ㅋ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ
F	ㅂ	ㅃ	ㅄ	ㅅ	ㅆ	ㅈ	ㅊ	ㅋ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ	ㆁ

	C00	C01	C02	C03	C04	C05	C06	C07	C08	C09	C0A	C0B	C0C	C0D	C0E	C0F
0	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ
1	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ
2	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ
3	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ
4	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ
5	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ
6	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ
7	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ
8	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ
9	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ
A	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ
B	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ
C	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ
D	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ
E	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ
F	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ	ㅍㅅ

	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C1A	C1B	C1C	C1D	C1E	C1F
0	새 C100	쌔 C110	선 C120	섯 C130	셀 C140	섹 C150	섯 C160	세 C170	셈 C180	손 C190	숯 C1A0	살 C1B0	삭 C1C0	췌 C1D0	쇠 C1E0	췌 C1F0
1	색 C101	쌔 C111	섯 C121	성 C131	셀 C141	셀 C151	섯 C161	색 C171	셈 C181	숯 C191	송 C1A1	살 C1B1	살 C1C1	췌 C1D1	쇠 C1E1	췌 C1F1
2	색 C102	쌔 C112	성 C122	섯 C132	셀 C142	셀 C152	섯 C162	색 C172	셈 C182	송 C192	숯 C1A2	살 C1B2	살 C1C2	췌 C1D2	쇠 C1E2	췌 C1F2
3	쌔 C103	쌔 C113	선 C123	섯 C133	셀 C143	셀 C153	섯 C163	셋 C173	셋 C183	손 C193	숯 C1A3	살 C1B3	살 C1C3	췌 C1D3	쇠 C1E3	췌 C1F3
4	쌔 C104	쌔 C114	설 C124	섯 C134	셀 C144	셔 C154	셈 C164	센 C174	셋 C184	솔 C194	속 C1A4	살 C1B4	쇄 C1C4	쌔 C1D4	췌 C1E4	췌 C1F4
5	쌔 C105	쌔 C115	섯 C125	설 C135	셀 C145	셔 C155	셈 C165	셋 C175	셋 C185	솔 C195	속 C1A5	살 C1B5	쇄 C1C5	쌔 C1D5	췌 C1E5	췌 C1F5
6	쌔 C106	쌔 C116	섯 C126	설 C136	셀 C146	셔 C156	셈 C166	셋 C176	셋 C186	솔 C196	속 C1A6	살 C1B6	쇄 C1C6	쌔 C1D6	췌 C1E6	췌 C1F6
7	쌔 C107	쌔 C117	섯 C127	성 C137	셀 C147	셔 C157	셋 C167	센 C177	셋 C187	솔 C197	송 C1A7	살 C1B7	쇄 C1C7	쌔 C1D7	췌 C1E7	췌 C1F7
8	셀 C108	색 C118	섯 C128	세 C138	셈 C148	선 C158	섯 C168	셀 C178	색 C188	숯 C198	쇄 C1A8	쌔 C1B8	쌔 C1C8	쌔 C1D8	췌 C1E8	색 C1F8
9	색 C109	셀 C119	섯 C129	색 C139	셈 C149	섯 C159	성 C169	셀 C179	셀 C189	숯 C199	삭 C1A9	쌔 C1B9	쌔 C1C9	쌔 C1D9	췌 C1E9	셀 C1F9
A	쌔 C10A	쌔 C11A	섯 C12A	색 C13A	셀 C14A	성 C15A	섯 C16A	셀 C17A	셀 C18A	숯 C19A	삭 C1AA	쌔 C1BA	쌔 C1CA	쌔 C1DA	췌 C1EA	셀 C1FA
B	쌔 C10B	쌔 C11B	섯 C12B	색 C13B	셋 C14B	선 C15B	섯 C16B	셀 C17B	성 C18B	송 C19B	삭 C1AB	삭 C1BB	쌔 C1CB	쌔 C1DB	췌 C1EB	쌔 C1FB
C	쌔 C10C	셔 C11C	셈 C12C	센 C13C	셋 C14C	설 C15C	색 C16C	셀 C17C	소 C18C	숨 C19C	싼 C1AC	쌔 C1BC	셀 C1CC	색 C1DC	췌 C1EC	쇼 C1FC
D	셀 C10D	색 C11D	섯 C12D	셀 C13D	성 C14D	셔 C15D	셀 C16D	셀 C17D	속 C18D	숨 C19D	살 C1AD	살 C1BD	쌔 C1CD	셀 C1DD	췌 C1ED	속 C1FD
E	셀 C10E	셔 C11E	섯 C12E	성 C13E	셋 C14E	셀 C15E	섯 C16E	셀 C17E	속 C18E	숯 C19E	살 C1AE	삭 C1BE	쌔 C1CE	쌔 C1DE	췌 C1EE	속 C1FE
F	쌔 C10F	섯 C11F	섯 C12F	센 C13F	셋 C14F	섯 C15F	성 C16F	셀 C17F	숯 C18F	숯 C19F	싼 C1AF	삭 C1BF	쌔 C1CF	쌔 C1DF	췌 C1EF	속 C1FF

	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C2A	C2B	C2C	C2D	C2E	C2F
0	손 C200	쑤 C210	술 C220	숙 C230	쑤 C240	쇄 C250	썸 C260	쑤 C270	쑤 C280	술 C290	숙 C2A0	쑤 C2B0	식 C2C0	심 C2D0	신 C2E0	쑤 C2F0
1	쑤 C201	송 C211	슈 C221	수 C231	쑤 C241	쇄 C251	썸 C261	쑤 C271	쑤 C281	슈 C291	수 C2A1	쑤 C2B1	식 C2C1	심 C2D1	신 C2E1	쑤 C2F1
2	쑤 C202	숯 C212	수 C222	수 C232	쑤 C242	쇄 C252	썸 C262	쑤 C272	쑤 C282	수 C292	수 C2A2	쑤 C2B2	식 C2C2	심 C2D2	신 C2E2	쑤 C2F2
3	손 C203	숯 C213	수 C223	송 C233	쑤 C243	쇄 C253	썸 C263	쑤 C273	쑤 C283	수 C293	수 C2A3	쑤 C2B3	식 C2C3	심 C2D3	신 C2E3	쑤 C2F3
4	술 C204	숙 C214	수 C224	쉬 C234	심 C244	썸 C254	썸 C264	쑤 C274	식 C284	수 C294	스 C2A4	슴 C2B4	신 C2C4	쑤 C2D4	실 C2E4	식 C2F4
5	숙 C205	수 C215	수 C225	식 C235	쉽 C245	쇄 C255	썸 C265	쉬 C275	쑤 C285	수 C295	스 C2A5	슴 C2B5	식 C2C5	심 C2D5	신 C2E5	쑤 C2F5
6	수 C206	수 C216	수 C226	쉬 C236	쑤 C246	쇄 C256	썸 C266	쑤 C276	쑤 C286	수 C296	수 C2A6	슴 C2B6	식 C2C6	심 C2D6	신 C2E6	쑤 C2F6
7	수 C207	송 C217	수 C227	쑤 C237	쑤 C247	썸 C257	썸 C267	쑤 C277	쑤 C287	수 C297	수 C2A7	슴 C2B7	신 C2C7	쑤 C2D7	실 C2E7	쑤 C2F7
8	수 C208	수 C218	슴 C228	신 C238	쑤 C248	쇄 C258	쇄 C268	쑤 C278	수 C288	슴 C298	스 C2A8	슴 C2B8	실 C2C8	식 C2D8	신 C2E8	쑤 C2F8
9	수 C209	숙 C219	슴 C229	쑤 C239	쑤 C249	쇄 C259	쇄 C269	쑤 C279	수 C289	슴 C299	스 C2A9	슴 C2B9	식 C2C9	심 C2D9	신 C2E9	쑤 C2F9
A	수 C20A	수 C21A	슴 C22A	쑤 C23A	쑤 C24A	쇄 C25A	쇄 C26A	쑤 C27A	수 C28A	슴 C29A	스 C2AA	슴 C2BA	식 C2CA	심 C2DA	신 C2EA	쑤 C2FA
B	수 C20B	수 C21B	슴 C22B	신 C23B	쑤 C24B	쇄 C25B	쇄 C26B	쑤 C27B	수 C28B	슴 C29B	스 C2AB	슴 C2BB	식 C2CB	심 C2DB	신 C2EB	쑤 C2FB
C	슴 C20C	순 C21C	수 C22C	쑤 C23C	식 C24C	쇄 C25C	쉬 C26C	심 C27C	순 C28C	수 C29C	스 C2AC	슴 C2BC	식 C2CC	시 C2DC	심 C2EC	쑤 C2FC
D	슴 C20D	수 C21D	수 C22D	쉬 C23D	쑤 C24D	쇄 C25D	식 C26D	쉽 C27D	수 C28D	수 C29D	스 C2AD	슴 C2BD	식 C2CD	식 C2DD	신 C2ED	쑤 C2FD
E	수 C20E	수 C21E	수 C22E	쑤 C23E	쑤 C24E	쇄 C25E	쉬 C26E	쑤 C27E	수 C28E	수 C29E	스 C2AE	슴 C2BE	식 C2CE	쉬 C2DE	신 C2EE	쑤 C2FE
F	수 C20F	순 C21F	수 C22F	쑤 C23F	쑤 C24F	쇄 C25F	쉬 C26F	쑤 C27F	수 C28F	수 C29F	스 C2AF	슴 C2BF	식 C2CF	식 C2DF	신 C2EF	쑤 C2FF

	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C3A	C3B	C3C	C3D	C3E	C3F
0	쌀 C300	삭 C310	쌌 C320	샤 C330	쌘 C340	쌔 C350	쌗 C360	설 C370	씩 C380	췌 C390	셔 C3A0	섬 C3B0	셴 C3C0	췌 C3D0	솔 C3E0	쏅 C3F0
1	썩 C301	쌀 C311	쌌 C321	샤 C331	쌘 C341	쌔 C351	쌗 C361	설 C371	씩 C381	췌 C391	셔 C3A1	섬 C3B1	셴 C3C1	췌 C3D1	솔 C3E1	쏅 C3F1
2	쌘 C302	쌀 C312	쌌 C322	샤 C332	쌘 C342	쌔 C352	쌗 C362	설 C372	씩 C382	췌 C392	셔 C3A2	섬 C3B2	셴 C3C2	췌 C3D2	솔 C3E2	쏅 C3F2
3	쌘 C303	쌀 C313	쌌 C323	샤 C333	쌘 C343	쌔 C353	쌗 C363	설 C373	씩 C383	췌 C393	셔 C3A3	섬 C3B3	셴 C3C3	췌 C3D3	솔 C3E3	쏅 C3F3
4	쌀 C304	새 C314	쌘 C324	샤 C334	쌘 C344	쌔 C354	쌗 C364	설 C374	씩 C384	췌 C394	셔 C3A4	섬 C3B4	셴 C3C4	췌 C3D4	솔 C3E4	쏅 C3F4
5	쌀 C305	새 C315	쌘 C325	샤 C335	쌘 C345	쌔 C355	쌗 C365	설 C375	씩 C385	췌 C395	셔 C3A5	섬 C3B5	셴 C3C5	췌 C3D5	솔 C3E5	쏅 C3F5
6	쌀 C306	새 C316	쌘 C326	샤 C336	쌘 C346	쌔 C356	쌗 C366	설 C376	씩 C386	췌 C396	셔 C3A6	섬 C3B6	셴 C3C6	췌 C3D6	솔 C3E6	쏅 C3F6
7	쌀 C307	새 C317	쌘 C327	샤 C337	쌘 C347	쌔 C357	쌗 C367	설 C377	씩 C387	췌 C397	셔 C3A7	섬 C3B7	셴 C3C7	췌 C3D7	솔 C3E7	쏅 C3F7
8	쌘 C308	쌔 C318	쌗 C328	쌀 C338	삭 C348	쌌 C358	셔 C368	섬 C378	셴 C388	췌 C398	설 C3A8	씩 C3B8	췌 C3C8	쏘 C3D8	쏄 C3E8	췌 C3F8
9	쌘 C309	쌔 C319	쌗 C329	쌀 C339	삭 C349	쌌 C359	셔 C369	섬 C379	셴 C389	췌 C399	설 C3A9	씩 C3B9	췌 C3C9	쏅 C3D9	쏄 C3E9	췌 C3F9
A	쌘 C30A	쌔 C31A	쌗 C32A	쌀 C33A	삭 C34A	쌌 C35A	셔 C36A	섬 C37A	셴 C38A	췌 C39A	설 C3AA	씩 C3BA	췌 C3CA	쏅 C3DA	쏄 C3EA	췌 C3FA
B	샤 C30B	쌔 C31B	쌗 C32B	쌀 C33B	삭 C34B	쌌 C35B	셔 C36B	섬 C37B	셴 C38B	췌 C39B	설 C3AB	씩 C3BB	췌 C3CB	쏅 C3DB	쏄 C3EB	췌 C3FB
C	샤 C30C	쌔 C31C	쌗 C32C	쌀 C33C	삭 C34C	쌌 C35C	셔 C36C	섬 C37C	셴 C38C	췌 C39C	설 C3AC	씩 C3BC	췌 C3CC	쏅 C3DC	쏄 C3EC	췌 C3FC
D	샤 C30D	쌔 C31D	쌗 C32D	쌀 C33D	삭 C34D	쌌 C35D	셔 C36D	섬 C37D	셴 C38D	췌 C39D	설 C3AD	씩 C3BD	췌 C3CD	쏅 C3DD	쏄 C3ED	췌 C3FD
E	샤 C30E	쌔 C31E	쌗 C32E	쌀 C33E	삭 C34E	쌌 C35E	셔 C36E	섬 C37E	셴 C38E	췌 C39E	설 C3AE	씩 C3BE	췌 C3CE	쏅 C3DE	쏄 C3EE	췌 C3FE
F	샤 C30F	쌔 C31F	쌗 C32F	쌀 C33F	삭 C34F	쌌 C35F	셔 C36F	섬 C37F	셴 C38F	췌 C39F	설 C3AF	씩 C3BF	췌 C3CF	쏅 C3DF	쏄 C3EF	췌 C3FF

	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C4A	C4B	C4C	C4D	C4E	C4F
0	ㅉ	ㅊ	ㅋ	ㅌ	ㅍ	ㅑ	ㅒ	ㅓ	ㅔ	ㅕ	ㅖ	ㅗ	ㅘ	ㅙ	ㅚ	ㅛ
1	ㅈ	ㅉ	ㅊ	ㅋ	ㅌ	ㅍ	ㅑ	ㅒ	ㅓ	ㅔ	ㅕ	ㅖ	ㅗ	ㅘ	ㅙ	ㅚ
2	ㅊ	ㅋ	ㅌ	ㅍ	ㅑ	ㅒ	ㅓ	ㅔ	ㅕ	ㅖ	ㅗ	ㅘ	ㅙ	ㅚ	ㅛ	ㅜ
3	ㅊ	ㅋ	ㅌ	ㅍ	ㅑ	ㅒ	ㅓ	ㅔ	ㅕ	ㅖ	ㅗ	ㅘ	ㅙ	ㅚ	ㅛ	ㅜ
4	ㅊ	ㅋ	ㅌ	ㅍ	ㅑ	ㅒ	ㅓ	ㅔ	ㅕ	ㅖ	ㅗ	ㅘ	ㅙ	ㅚ	ㅛ	ㅜ
5	ㅊ	ㅋ	ㅌ	ㅍ	ㅑ	ㅒ	ㅓ	ㅔ	ㅕ	ㅖ	ㅗ	ㅘ	ㅙ	ㅚ	ㅛ	ㅜ
6	ㅊ	ㅋ	ㅌ	ㅍ	ㅑ	ㅒ	ㅓ	ㅔ	ㅕ	ㅖ	ㅗ	ㅘ	ㅙ	ㅚ	ㅛ	ㅜ
7	ㅊ	ㅋ	ㅌ	ㅍ	ㅑ	ㅒ	ㅓ	ㅔ	ㅕ	ㅖ	ㅗ	ㅘ	ㅙ	ㅚ	ㅛ	ㅜ
8	ㅊ	ㅋ	ㅌ	ㅍ	ㅑ	ㅒ	ㅓ	ㅔ	ㅕ	ㅖ	ㅗ	ㅘ	ㅙ	ㅚ	ㅛ	ㅜ
9	ㅊ	ㅋ	ㅌ	ㅍ	ㅑ	ㅒ	ㅓ	ㅔ	ㅕ	ㅖ	ㅗ	ㅘ	ㅙ	ㅚ	ㅛ	ㅜ
A	ㅊ	ㅋ	ㅌ	ㅍ	ㅑ	ㅒ	ㅓ	ㅔ	ㅕ	ㅖ	ㅗ	ㅘ	ㅙ	ㅚ	ㅛ	ㅜ
B	ㅊ	ㅋ	ㅌ	ㅍ	ㅑ	ㅒ	ㅓ	ㅔ	ㅕ	ㅖ	ㅗ	ㅘ	ㅙ	ㅚ	ㅛ	ㅜ
C	ㅊ	ㅋ	ㅌ	ㅍ	ㅑ	ㅒ	ㅓ	ㅔ	ㅕ	ㅖ	ㅗ	ㅘ	ㅙ	ㅚ	ㅛ	ㅜ
D	ㅊ	ㅋ	ㅌ	ㅍ	ㅑ	ㅒ	ㅓ	ㅔ	ㅕ	ㅖ	ㅗ	ㅘ	ㅙ	ㅚ	ㅛ	ㅜ
E	ㅊ	ㅋ	ㅌ	ㅍ	ㅑ	ㅒ	ㅓ	ㅔ	ㅕ	ㅖ	ㅗ	ㅘ	ㅙ	ㅚ	ㅛ	ㅜ
F	ㅊ	ㅋ	ㅌ	ㅍ	ㅑ	ㅒ	ㅓ	ㅔ	ㅕ	ㅖ	ㅗ	ㅘ	ㅙ	ㅚ	ㅛ	ㅜ

	C50	C51	C52	C53	C54	C55	C56	C57	C58	C59	C5A	C5B	C5C	C5D	C5E	C5F
0	쓰మ్ C500	쓰민 C510	쓰밧 C520	쓰밀 C530	쓰씩 C540	앗 C550	애 C560	애편 C570	안 C580	앗 C590	애편 C5A0	앳 C5B0	엇 C5C0	에 C5D0	앳 C5E0	연 C5F0
1	쓰뎡 C501	쓰뎡 C511	쓰뎡 C521	쓰뎡 C531	쓰뎡 C541	앗 C551	앳 C561	앳 C571	앳 C581	앳 C591	앳 C5A1	앳 C5B1	엇 C5C1	에 C5D1	앳 C5E1	연 C5F1
2	쓰뎡 C502	쓰뎡 C512	쓰뎡 C522	쓰뎡 C532	쓰뎡 C542	앗 C552	앳 C562	앳 C572	앳 C582	앳 C592	앳 C5A2	앳 C5B2	엇 C5C2	에 C5D2	앳 C5E2	연 C5F2
3	쓰쯔 C503	쓰쯔 C513	쓰쯔 C523	쓰쯔 C533	쓰쯔 C543	앗 C553	앳 C563	앳 C573	앳 C583	앳 C593	앳 C5A3	앳 C5B3	엇 C5C3	에 C5D3	앳 C5E3	연 C5F3
4	쓰쯔 C504	쓰뎡 C514	쓰씩 C524	쓰뎡 C534	아 C544	앳 C554	앳 C564	앳 C574	앳 C584	앳 C594	앳 C5A4	어 C5B4	엇 C5C4	엔 C5D4	앳 C5E4	연 C5F4
5	쓰뎡 C505	쓰뎡 C515	쓰뎡 C525	쓰뎡 C535	악 C545	앳 C555	앳 C565	앳 C575	앳 C585	앳 C595	앳 C5A5	어 C5B5	엇 C5C5	엔 C5D5	앳 C5E5	연 C5F5
6	쓰쯔 C506	쓰뎡 C516	쓰뎡 C526	쓰뎡 C536	악 C546	앳 C556	앳 C566	앳 C576	앳 C586	앳 C596	앳 C5A6	어 C5B6	엇 C5C6	엔 C5D6	앳 C5E6	연 C5F6
7	쓰쯔 C507	쓰뎡 C517	쓰뎡 C527	쓰뎡 C537	앗 C547	앗 C557	앳 C567	앳 C577	앳 C587	앳 C597	앳 C5A7	어 C5B7	엇 C5C7	엔 C5D7	앳 C5E7	연 C5F7
8	쓰쯔 C508	쓰뎡 C518	쓰뎡 C528	쓰뎡 C538	안 C548	앗 C558	앳 C568	앳 C578	앳 C588	앳 C598	앳 C5A8	어 C5B8	엇 C5C8	엔 C5D8	앳 C5E8	연 C5F8
9	쓰뎡 C509	쓰뎡 C519	쓰씩 C529	쓰뎡 C539	앗 C549	앳 C559	앳 C569	앳 C579	앳 C589	앳 C599	앳 C5A9	어 C5B9	엇 C5C9	엔 C5D9	앳 C5E9	연 C5F9
A	쓰쯔 C50A	쓰뎡 C51A	쓰씩 C52A	쓰뎡 C53A	앳 C54A	앗 C55A	앳 C56A	앳 C57A	앳 C58A	앳 C59A	앳 C5AA	어 C5BA	엇 C5CA	엔 C5DA	앳 C5EA	연 C5FA
B	쓰뎡 C50B	쓰뎡 C51B	쓰씩 C52B	쓰뎡 C53B	안 C54B	앗 C55B	앳 C56B	앳 C57B	앳 C58B	앳 C59B	앳 C5AB	어 C5BB	엇 C5CB	엔 C5DB	앳 C5EB	연 C5FB
C	쓰씩 C50C	쓰뎡 C51C	쓰뎡 C52C	쓰뎡 C53C	알 C54C	악 C55C	앳 C56C	야 C57C	앳 C58C	앳 C59C	앳 C5AC	어 C5BC	엇 C5CC	엔 C5DC	여 C5EC	연 C5FC
D	쓰씩 C50D	쓰뎡 C51D	쓰뎡 C52D	쓰뎡 C53D	알 C54D	알 C55D	앳 C56D	약 C57D	앳 C58D	앳 C59D	앳 C5AD	어 C5BD	엇 C5CD	엔 C5DD	여 C5ED	연 C5FD
E	쓰씩 C50E	쓰뎡 C51E	쓰뎡 C52E	쓰뎡 C53E	알 C54E	알 C55E	앳 C56E	약 C57E	앳 C58E	앳 C59E	앳 C5AE	어 C5BE	엇 C5CE	엔 C5DE	여 C5EE	연 C5FE
F	쓰씩 C50F	쓰뎡 C51F	쓰뎡 C52F	쓰뎡 C53F	알 C54F	알 C55F	앳 C56F	앗 C57F	앗 C58F	앳 C59F	앳 C5AF	어 C5BF	엇 C5CF	엔 C5DF	여 C5EF	연 C5FF

	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	C6A	C6B	C6C	C6D	C6E	C6F
0	였 C600	엘 C610	엑 C620	웁 C630	와 C640	왓 C650	웬 C660	왓 C670	윳 C680	윳 C690	웁 C6A0	우 C6B0	웁 C6C0	윳 C6D0	윳 C6E0	윳 C6F0
1	영 C601	엘 C611	엘 C621	웁 C631	와 C641	왓 C651	웬 C661	왓 C671	윳 C681	윳 C691	웁 C6A1	웁 C6B1	웁 C6C1	윳 C6D1	윳 C6E1	윳 C6F1
2	옛 C602	엘 C612	엘 C622	웁 C632	와 C642	왓 C652	웬 C662	왓 C672	윳 C682	윳 C692	웁 C6A2	우 C6B2	웁 C6C2	윳 C6D2	윳 C6E2	윳 C6F2
3	옛 C603	엘 C613	엘 C623	웁 C633	와 C643	왓 C653	웬 C663	왓 C673	윳 C683	윳 C693	웁 C6A3	우 C6B3	웁 C6C3	윳 C6D3	윳 C6E3	윳 C6F3
4	역 C604	엘 C614	오 C624	웁 C634	와 C644	왓 C654	웬 C664	왓 C674	윳 C684	요 C694	웁 C6A4	운 C6B4	웁 C6C4	윳 C6D4	윳 C6E4	윳 C6F4
5	열 C605	엘 C615	웁 C625	웁 C635	와 C645	왕 C655	웬 C665	웬 C675	윳 C685	웁 C695	웁 C6A5	웁 C6B5	웁 C6C5	윳 C6D5	윳 C6E5	윳 C6F5
6	료 C606	엘 C616	우 C626	웁 C636	와 C646	왓 C656	웬 C666	웬 C676	윳 C686	웁 C696	웁 C6A6	웁 C6B6	웁 C6C6	윳 C6D6	윳 C6E6	윳 C6F6
7	영 C607	엘 C617	웁 C627	웁 C637	와 C647	왕 C657	웬 C667	웬 C677	윳 C687	웁 C697	웁 C6A7	웁 C6B7	웁 C6C7	윳 C6D7	윳 C6E7	윳 C6F7
8	예 C608	엘 C618	온 C628	웁 C638	와 C648	왓 C658	웬 C668	외 C678	웁 C688	온 C698	웁 C6A8	웁 C6B8	웁 C6C8	윳 C6D8	윳 C6E8	윳 C6F8
9	역 C609	엘 C619	웁 C629	웁 C639	와 C649	왓 C659	웬 C669	외 C679	웁 C689	웁 C699	웁 C6A9	웁 C6B9	웁 C6C9	윳 C6D9	윳 C6E9	윳 C6F9
A	엿 C60A	엘 C61A	웁 C62A	웁 C63A	와 C64A	왓 C65A	웬 C66A	외 C67A	윳 C68A	웁 C69A	웁 C6AA	웁 C6BA	웁 C6CA	윳 C6DA	윳 C6EA	윳 C6FA
B	옛 C60B	엘 C61B	온 C62B	웁 C63B	와 C64B	왕 C65B	웬 C66B	외 C67B	윳 C68B	온 C69B	웁 C6AB	웁 C6BB	웁 C6CB	윳 C6DB	윳 C6EB	윳 C6FB
C	연 C60C	엘 C61C	을 C62C	웁 C63C	와 C64C	왜 C65C	웬 C66C	윳 C67C	윳 C68C	을 C69C	웁 C6AC	웁 C6BC	웁 C6CC	윳 C6DC	윳 C6EC	윳 C6FC
D	옛 C60D	엘 C61D	웁 C62D	웁 C63D	와 C64D	왓 C65D	웬 C66D	윳 C67D	윳 C68D	웁 C69D	웁 C6AD	웁 C6BD	웁 C6CD	윳 C6DD	윳 C6ED	윳 C6FD
E	엘 C60E	엘 C61E	웁 C62E	웁 C63E	와 C64E	왓 C65E	웬 C66E	윳 C67E	윳 C68E	웁 C69E	웁 C6AE	웁 C6BE	웁 C6CE	윳 C6DE	윳 C6EE	윳 C6FE
F	연 C60F	엘 C61F	웁 C62F	웁 C63F	와 C64F	왓 C65F	웬 C66F	윳 C67F	윳 C68F	웁 C69F	웁 C6AF	웁 C6BF	웁 C6CF	윳 C6DF	윳 C6EF	윳 C6FF



	C70	C71	C72	C73	C74	C75	C76	C77	C78	C79	C7A	C7B	C7C	C7D	C7E	C7F
0	웁 C700	웁 C710	유 C720	음 C730	은 C740	으 C750	일 C760	익 C770	잇 C780	자 C790	잠 C7A0	쟁 C7B0	쟈 C7C0	찰 C7D0	작 C7E0	쟈 C7F0
1	웁 C701	웁 C711	육 C721	읍 C731	으 C741	응 C751	익 C761	일 C771	잇 C781	작 C791	잡 C7A1	쟁 C7B1	쟈 C7C1	찰 C7D1	작 C7E1	쟈 C7F1
2	웁 C702	웁 C712	유 C722	읍 C732	응 C742	으 C752	일 C762	잇 C772	잇 C782	작 C792	잡 C7A2	쟁 C7B2	쟈 C7C2	찰 C7D2	작 C7E2	쟈 C7F2
3	웁 C703	웁 C713	유 C723	웃 C733	은 C743	으 C753	일 C763	잇 C773	잇 C783	작 C793	잡 C7A3	쟁 C7B3	쟈 C7C3	찰 C7D3	작 C7E3	쟈 C7F3
4	위 C704	웁 C714	윤 C724	웃 C734	을 C744	으 C754	일 C764	이 C774	임 C784	잔 C794	잡 C7A4	쟁 C7B4	쟈 C7C4	찰 C7D4	재 C7E4	쟈 C7F4
5	웁 C705	웁 C715	유 C725	응 C735	은 C745	으 C755	일 C765	익 C775	입 C785	작 C795	장 C7A5	쟁 C7B5	쟈 C7C5	찰 C7D5	작 C7E5	쟈 C7F5
6	위 C706	웁 C716	응 C726	웃 C736	을 C746	으 C756	일 C766	위 C776	잇 C786	잡 C796	작 C7A6	쟁 C7B6	쟈 C7C6	찰 C7D6	작 C7E6	쟈 C7F6
7	웁 C707	웁 C717	윤 C727	웃 C737	을 C747	응 C757	일 C767	잇 C777	잇 C787	잔 C797	잡 C7A7	쟁 C7B7	쟈 C7C7	찰 C7D7	작 C7E7	쟈 C7F7
8	윈 C708	웁 C718	을 C728	육 C738	을 C748	의 C758	웁 C768	인 C778	잇 C788	찰 C798	작 C7A8	쟁 C7B8	자 C7C8	잠 C7D8	쟁 C7E8	쟈 C7F8
9	웁 C709	웁 C719	육 C729	을 C739	을 C749	익 C759	웁 C769	잇 C779	잉 C789	작 C799	찰 C7A9	쟁 C7B9	작 C7C9	잡 C7D9	쟁 C7E9	쟁 C7F9
A	웁 C70A	웁 C71A	웁 C72A	을 C73A	을 C74A	위 C75A	웁 C76A	잇 C77A	잇 C78A	잡 C79A	찰 C7AA	쟁 C7BA	작 C7CA	잡 C7DA	쟁 C7EA	쟈 C7FA
B	윈 C70B	웁 C71B	웁 C72B	응 C73B	을 C74B	위 C75B	웁 C76B	인 C77B	잇 C78B	잡 C79B	장 C7AB	쟁 C7BB	작 C7CB	작 C7DB	쟁 C7EB	쟈 C7FB
C	웁 C70C	웁 C71C	웁 C72C	으 C73C	음 C74C	윈 C75C	웁 C76C	일 C77C	익 C78C	작 C79C	재 C7AC	쟈 C7BC	잔 C7CC	작 C7DC	쟁 C7EC	작 C7FC
D	위 C70D	웁 C71D	웁 C72D	으 C73D	음 C74D	웁 C75D	잉 C76D	위 C77D	일 C78D	잡 C79D	작 C7AD	쟁 C7BD	작 C7CD	장 C7DD	쟁 C7ED	쟁 C7FD
E	웁 C70E	웁 C71E	웁 C72E	유 C73E	을 C74E	일 C75E	잇 C76E	잇 C77E	잇 C78E	잡 C79E	작 C7AE	쟁 C7BE	쟈 C7CE	작 C7DE	쟁 C7EE	쟈 C7FE
F	웁 C70F	웁 C71F	웁 C72F	유 C73F	으 C74F	윈 C75F	잇 C76F	잇 C77F	잉 C78F	잡 C79F	쟁 C7AF	쟁 C7BF	잔 C7CF	작 C7DF	쟁 C7EF	쟁 C7FF

	C80	C81	C82	C83	C84	C85	C86	C87	C88	C89	C8A	C8B	C8C	C8D	C8E	C8F
0	저 C800	점 C810	젠 C820	젯 C830	절 C840	적 C850	젼 C860	조 C870	좀 C880	잔 C890	쟈 C8A0	쩨 C8B0	젝 C8C0	짚 C8D0	쪼 C8E0	죵 C8F0
1	적 C801	접 C811	젼 C821	쟁 C831	쩍 C841	절 C851	쩨 C861	족 C871	좁 C881	쟈 C891	쟨 C8A1	쩨 C8B1	쩨 C8C1	짚 C8D1	족 C8E1	좁 C8F1
2	쥐 C802	젼 C812	쟁 C822	젯 C832	점 C842	쩍 C852	쩨 C862	죽 C872	좁 C882	쟈 C892	쟨 C8A2	쩨 C8B2	쩨 C8C2	짚 C8D2	죽 C8E2	좁 C8F2
3	젼 C803	젯 C813	젠 C823	젯 C833	점 C843	쩍 C853	쩨 C863	죽 C873	죽 C883	잔 C893	쟈 C8A3	쩨 C8B3	쟁 C8C3	짚 C8D3	죽 C8E3	죽 C8F3
4	전 C804	젼 C814	쩨 C824	젝 C834	쩍 C844	쩨 C854	쩨 C864	존 C874	좁 C884	짚 C894	쟨 C8A4	쩨 C8B4	죄 C8C4	짚 C8D4	존 C8E4	좁 C8F4
5	젼 C805	정 C815	쩨 C825	쩨 C835	쩍 C845	쩨 C855	쩨 C865	죽 C875	중 C885	짚 C895	짚 C8A5	쩨 C8B5	죄 C8C5	짚 C8D5	죽 C8E5	중 C8F5
6	젼 C806	젯 C816	쩨 C826	쩨 C836	쩍 C846	쩨 C856	쩨 C866	중 C876	죽 C886	짚 C896	짚 C8A6	쩨 C8B6	죄 C8C6	짚 C8D6	중 C8E6	죽 C8F6
7	전 C807	젯 C817	쩨 C827	쟁 C837	쩍 C847	쩨 C857	쩨 C867	존 C877	죽 C887	짚 C897	쟨 C8A7	쩨 C8B7	죄 C8C7	짚 C8D7	존 C8E7	죽 C8F7
8	절 C808	적 C818	쩨 C828	저 C838	점 C848	젠 C858	젼 C868	졸 C878	죽 C888	짚 C898	죄 C8A8	쩨 C8B8	죄 C8C8	짚 C8D8	졸 C8E8	죽 C8F8
9	쩍 C809	쩍 C819	쩨 C829	적 C839	접 C849	쩨 C859	쟁 C869	죽 C879	좁 C889	짚 C899	젝 C8A9	쩨 C8B9	짚 C8C9	쟁 C8D9	좁 C8E9	좁 C8F9
A	쩍 C80A	쩍 C81A	쩨 C82A	쥐 C83A	쩍 C84A	쟁 C85A	젼 C86A	좁 C87A	좁 C88A	짚 C89A	젝 C8AA	쩨 C8BA	짚 C8CA	죄 C8DA	좁 C8EA	좁 C8FA
B	쩍 C80B	정 C81B	쟁 C82B	젼 C83B	젯 C84B	젠 C85B	젼 C86B	좁 C87B	중 C88B	짚 C89B	젝 C8AB	쩨 C8BB	죄 C8CB	짚 C8DB	좁 C8EB	중 C8FB
C	쩍 C80C	제 C81C	쩨 C82C	전 C83C	젼 C84C	쩨 C85C	쩨 C86C	죽 C87C	좌 C88C	짚 C89C	쩨 C8AC	쩨 C8BC	짚 C8CC	죄 C8DC	좁 C8EC	주 C8FC
D	쩍 C80D	젝 C81D	쩨 C82D	젼 C83D	정 C84D	쩨 C85D	쩨 C86D	좁 C87D	좌 C88D	짚 C89D	쩨 C8AD	쟁 C8BD	죄 C8CD	짚 C8DD	좁 C8ED	죽 C8FD
E	쩍 C80E	쩨 C81E	쩨 C82E	정 C83E	젯 C84E	쩨 C85E	쩨 C86E	좁 C87E	좌 C88E	짚 C89E	쟁 C8AE	젝 C8BE	짚 C8CE	짚 C8DE	좁 C8EE	주 C8FE
F	쩍 C80F	쩨 C81F	젯 C82F	전 C83F	젯 C84F	쩨 C85F	쟁 C86F	중 C87F	짚 C88F	짚 C89F	쩨 C8AF	쩨 C8BF	죄 C8CF	짚 C8DF	중 C8EF	주 C8FF

	C90	C91	C92	C93	C94	C95	C96	C97	C98	C99	C9A	C9B	C9C	C9D	C9E	C9F
0	준 C900	쭈 C910	질 C920	직 C930	췌 C940	쥐 C950	짐 C960	준 C970	쭈 C980	즐 C990	즉 C9A0	짚 C9B0	지 C9C0	짐 C9D0	짤 C9E0	짹 C9F0
1	쭈 C901	중 C911	질 C921	직 C931	췌 C941	직 C951	집 C961	쭈 C971	중 C981	즐 C991	즐 C9A1	짚 C9B1	직 C9C1	집 C9D1	짤 C9E1	짹 C9F1
2	쭈 C902	쭈 C912	질 C922	직 C932	췌 C942	쥐 C952	집 C962	중 C972	쭈 C982	즐 C992	즐 C9A2	짚 C9B2	쥐 C9C2	집 C9D2	짤 C9E2	짹 C9F2
3	준 C903	쭈 C913	질 C923	직 C933	췌 C943	직 C953	직 C963	준 C973	쭈 C983	즐 C993	중 C9A3	짚 C9B3	직 C9C3	직 C9D3	짤 C9E3	짹 C9F3
4	줄 C904	죽 C914	질 C924	취 C934	췌 C944	진 C954	직 C964	줄 C974	죽 C984	즐 C994	직 C9A4	짐 C9B4	진 C9C4	직 C9D4	짤 C9E4	짹 C9F4
5	쭈 C905	줄 C915	짚 C925	취 C935	췌 C945	직 C955	징 C965	쭈 C975	줄 C985	즐 C995	직 C9A5	집 C9B5	직 C9C5	징 C9D5	짤 C9E5	짹 C9F5
6	쭈 C906	쭈 C916	질 C926	취 C936	췌 C946	직 C956	직 C966	쭈 C976	쭈 C986	즐 C996	쥐 C9A6	집 C9B6	짐 C9C6	직 C9D6	짤 C9E6	짹 C9F6
7	쭈 C907	중 C917	질 C927	취 C937	췌 C947	진 C957	직 C967	쭈 C977	중 C987	즐 C997	직 C9A7	직 C9B7	진 C9C7	직 C9D7	짤 C9E7	짹 C9F7
8	쭈 C908	쥐 C918	짐 C928	췌 C938	췌 C948	질 C958	직 C968	쭈 C978	즈 C988	즈 C998	진 C9A8	직 C9B8	질 C9C8	직 C9D8	짤 C9E8	째 C9F8
9	쭈 C909	직 C919	집 C929	췌 C939	췌 C949	질 C959	직 C969	쭈 C979	즉 C989	즉 C999	직 C9A9	징 C9B9	질 C9C9	질 C9D9	짤 C9E9	쩍 C9F9
A	쭈 C90A	쥐 C91A	직 C92A	췌 C93A	췌 C94A	질 C95A	직 C96A	쭈 C97A	즉 C98A	즉 C99A	직 C9AA	직 C9BA	짐 C9CA	질 C9DA	짤 C9EA	쩍 C9FA
B	쭈 C90B	직 C91B	직 C92B	췌 C93B	췌 C94B	질 C95B	징 C96B	쭈 C97B	즉 C98B	즉 C99B	진 C9AB	직 C9BB	질 C9CB	징 C9DB	짤 C9EB	쩍 C9FB
C	쭈 C90C	진 C91C	직 C92C	췌 C93C	취 C94C	질 C95C	쭈 C96C	준 C97C	준 C98C	준 C99C	질 C9AC	직 C9BC	직 C9CC	짜 C9DC	짤 C9EC	쩍 C9FC
D	쭈 C90D	직 C91D	징 C92D	취 C93D	췌 C94D	질 C95D	죽 C96D	쭈 C97D	즉 C98D	중 C99D	취 C9AD	질 C9BD	질 C9CD	짜 C9DD	짤 C9ED	쩍 C9FD
E	쭈 C90E	질 C91E	직 C92E	췌 C93E	췌 C94E	질 C95E	쭈 C96E	쭈 C97E	중 C98E	즉 C99E	질 C9AE	질 C9BE	질 C9CE	짜 C9DE	짤 C9EE	쩍 C9FE
F	쭈 C90F	진 C91F	직 C92F	췌 C93F	췌 C94F	질 C95F	쭈 C96F	쭈 C97F	준 C98F	즉 C99F	직 C9AF	징 C9BF	질 C9CF	짜 C9DF	짤 C9EF	쩍 C9FF

	CA0	CA1	CA2	CA3	CA4	CA5	CA6	CA7	CA8	CA9	CAA	CAB	CAC	CAD	CAE	CAF
0	쩨 CA00	쩨 CA10	쩨 CA20	쩨 CA30	쩨 CA40	쩨 CA50	쩨 CA60	쩨 CA70	쩨 CA80	쩨 CA90	쩨 CAA0	쩨 CAB0	쩨 CAC0	쩨 CAD0	쩨 CAE0	쩨 CAF0
1	쩨 CA01	쩨 CA11	쩨 CA21	쩨 CA31	쩨 CA41	쩨 CA51	쩨 CA61	쩨 CA71	쩨 CA81	쩨 CA91	쩨 CAA1	쩨 CAB1	쩨 CAC1	쩨 CAD1	쩨 CAE1	쩨 CAF1
2	쩨 CA02	쩨 CA12	쩨 CA22	쩨 CA32	쩨 CA42	쩨 CA52	쩨 CA62	쩨 CA72	쩨 CA82	쩨 CA92	쩨 CAA2	쩨 CAB2	쩨 CAC2	쩨 CAD2	쩨 CAE2	쩨 CAF2
3	쩨 CA03	쩨 CA13	쩨 CA23	쩨 CA33	쩨 CA43	쩨 CA53	쩨 CA63	쩨 CA73	쩨 CA83	쩨 CA93	쩨 CAA3	쩨 CAB3	쩨 CAC3	쩨 CAD3	쩨 CAE3	쩨 CAF3
4	쩨 CA04	쩨 CA14	쩨 CA24	쩨 CA34	쩨 CA44	쩨 CA54	쩨 CA64	쩨 CA74	쩨 CA84	쩨 CA94	쩨 CAA4	쩨 CAB4	쩨 CAC4	쩨 CAD4	쩨 CAE4	쩨 CAF4
5	쩨 CA05	쩨 CA15	쩨 CA25	쩨 CA35	쩨 CA45	쩨 CA55	쩨 CA65	쩨 CA75	쩨 CA85	쩨 CA95	쩨 CAA5	쩨 CAB5	쩨 CAC5	쩨 CAD5	쩨 CAE5	쩨 CAF5
6	쩨 CA06	쩨 CA16	쩨 CA26	쩨 CA36	쩨 CA46	쩨 CA56	쩨 CA66	쩨 CA76	쩨 CA86	쩨 CA96	쩨 CAA6	쩨 CAB6	쩨 CAC6	쩨 CAD6	쩨 CAE6	쩨 CAF6
7	쩨 CA07	쩨 CA17	쩨 CA27	쩨 CA37	쩨 CA47	쩨 CA57	쩨 CA67	쩨 CA77	쩨 CA87	쩨 CA97	쩨 CAA7	쩨 CAB7	쩨 CAC7	쩨 CAD7	쩨 CAE7	쩨 CAF7
8	쩨 CA08	쩨 CA18	쩨 CA28	쩨 CA38	쩨 CA48	쩨 CA58	쩨 CA68	쩨 CA78	쩨 CA88	쩨 CA98	쩨 CAA8	쩨 CAB8	쩨 CAC8	쩨 CAD8	쩨 CAE8	쩨 CAF8
9	쩨 CA09	쩨 CA19	쩨 CA29	쩨 CA39	쩨 CA49	쩨 CA59	쩨 CA69	쩨 CA79	쩨 CA89	쩨 CA99	쩨 CAA9	쩨 CAB9	쩨 CAC9	쩨 CAD9	쩨 CAE9	쩨 CAF9
A	쩨 CA0A	쩨 CA1A	쩨 CA2A	쩨 CA3A	쩨 CA4A	쩨 CA5A	쩨 CA6A	쩨 CA7A	쩨 CA8A	쩨 CA9A	쩨 CAA	쩨 CABA	쩨 CACA	쩨 CADA	쩨 CAEA	쩨 CAFA
B	쩨 CA0B	쩨 CA1B	쩨 CA2B	쩨 CA3B	쩨 CA4B	쩨 CA5B	쩨 CA6B	쩨 CA7B	쩨 CA8B	쩨 CA9B	쩨 CAAB	쩨 CABB	쩨 CACB	쩨 CADB	쩨 CAEB	쩨 CAFB
C	쩨 CA0C	쩨 CA1C	쩨 CA2C	쩨 CA3C	쩨 CA4C	쩨 CA5C	쩨 CA6C	쩨 CA7C	쩨 CA8C	쩨 CA9C	쩨 CAAC	쩨 CABC	쩨 CACC	쩨 CADC	쩨 CAEC	쩨 CAFC
D	쩨 CA0D	쩨 CA1D	쩨 CA2D	쩨 CA3D	쩨 CA4D	쩨 CA5D	쩨 CA6D	쩨 CA7D	쩨 CA8D	쩨 CA9D	쩨 CAAD	쩨 CABD	쩨 CACD	쩨 CADD	쩨 CAED	쩨 CAFD
E	쩨 CA0E	쩨 CA1E	쩨 CA2E	쩨 CA3E	쩨 CA4E	쩨 CA5E	쩨 CA6E	쩨 CA7E	쩨 CA8E	쩨 CA9E	쩨 CAAE	쩨 CABE	쩨 CACE	쩨 CADE	쩨 CAEE	쩨 CAFE
F	쩨 CA0F	쩨 CA1F	쩨 CA2F	쩨 CA3F	쩨 CA4F	쩨 CA5F	쩨 CA6F	쩨 CA7F	쩨 CA8F	쩨 CA9F	쩨 CAAF	쩨 CABF	쩨 CACF	쩨 CADF	쩨 CAEF	쩨 CAFF

	CB0	CB1	CB2	CB3	CB4	CB5	CB6	CB7	CB8	CB9	CBA	CBB	CBC	CBD	CBE	CBF
0	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
1	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
2	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
3	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
4	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
5	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
6	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
7	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
8	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
9	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
A	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
B	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
C	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
D	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
E	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
F	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾

	CC0	CC1	CC2	CC3	CC4	CC5	CC6	CC7	CC8	CC9	CCA	CCB	CCC	CCD	CCE	CCF
0	째 CC00	짹 CC10	짺 CC20	찰 CC30	착 CC40	챘 CC50	차 CC60	참 CC70	채 CC80	챘 CC90	철 CCA0	척 CCB0	첼 CCC0	쳐 CCD0	침 CCE0	첸 CCF0
1	째 CC01	짹 CC11	짺 CC21	찰 CC31	착 CC41	챘 CC51	차 CC61	참 CC71	채 CC81	챘 CC91	철 CCA1	척 CCB1	첼 CCC1	쳐 CCD1	침 CCE1	첸 CCF1
2	째 CC02	짹 CC12	짺 CC22	찰 CC32	착 CC42	챘 CC52	차 CC62	참 CC72	채 CC82	챘 CC92	철 CCA2	척 CCB2	첼 CCC2	쳐 CCD2	침 CCE2	첸 CCF2
3	째 CC03	짹 CC13	짺 CC23	찰 CC33	착 CC43	챘 CC53	차 CC63	참 CC73	채 CC83	챘 CC93	철 CCA3	척 CCB3	첼 CCC3	쳐 CCD3	침 CCE3	첸 CCF3
4	째 CC04	짹 CC14	짺 CC24	찰 CC34	착 CC44	챘 CC54	차 CC64	참 CC74	채 CC84	챘 CC94	철 CCA4	척 CCB4	첼 CCC4	쳐 CCD4	침 CCE4	첸 CCF4
5	째 CC05	짹 CC15	짺 CC25	찰 CC35	착 CC45	챘 CC55	차 CC65	참 CC75	채 CC85	챘 CC95	철 CCA5	척 CCB5	첼 CCC5	쳐 CCD5	침 CCE5	첸 CCF5
6	째 CC06	짹 CC16	짺 CC26	찰 CC36	착 CC46	챘 CC56	차 CC66	참 CC76	채 CC86	챘 CC96	철 CCA6	척 CCB6	첼 CCC6	쳐 CCD6	침 CCE6	첸 CCF6
7	째 CC07	짹 CC17	짺 CC27	찰 CC37	착 CC47	챘 CC57	차 CC67	참 CC77	채 CC87	챘 CC97	철 CCA7	척 CCB7	첼 CCC7	쳐 CCD7	침 CCE7	첸 CCF7
8	째 CC08	짹 CC18	차 CC28	참 CC38	채 CC48	챘 CC58	차 CC68	참 CC78	채 CC88	차 CC98	침 CCA8	첸 CCB8	첼 CCC8	철 CCD8	척 CCE8	첼 CCF8
9	째 CC09	짹 CC19	착 CC29	참 CC39	채 CC49	챘 CC59	차 CC69	참 CC79	채 CC89	차 CC99	침 CCA9	첸 CCB9	첼 CCC9	철 CCD9	척 CCE9	첼 CCF9
A	째 CC0A	짹 CC1A	착 CC2A	참 CC3A	채 CC4A	챘 CC5A	차 CC6A	참 CC7A	채 CC8A	차 CC9A	침 CCA	첸 CCB	첼 CCC	철 CCD	척 CCE	첼 CCF
B	째 CC0B	짹 CC1B	찰 CC2B	착 CC3B	채 CC4B	챘 CC5B	차 CC6B	참 CC7B	채 CC8B	차 CC9B	침 CCAB	첸 CCBB	첼 CCCB	철 CCDB	척 CCEB	첼 CCFB
C	찌 CC0C	째 CC1C	찬 CC2C	찰 CC3C	착 CC4C	챘 CC5C	차 CC6C	참 CC7C	채 CC8C	차 CC9C	침 CCAC	첸 CCBC	첼 CCC	철 CCDC	척 CCEC	첼 CCFC
D	찌 CC0D	째 CC1D	찰 CC2D	착 CC3D	채 CC4D	챘 CC5D	차 CC6D	참 CC7D	채 CC8D	차 CC9D	침 CCAD	첸 CCBD	첼 CCCD	철 CCDD	척 CCE	첼 CCFD
E	찌 CC0E	째 CC1E	찬 CC2E	찰 CC3E	착 CC4E	챘 CC5E	차 CC6E	참 CC7E	채 CC8E	차 CC9E	침 CCAE	첸 CCBE	첼 CCCE	철 CCDE	척 CCEE	첼 CCFE
F	찌 CC0F	째 CC1F	찬 CC2F	찰 CC3F	착 CC4F	챘 CC5F	차 CC6F	참 CC7F	채 CC8F	차 CC9F	침 CCAF	첸 CCBF	첼 CCCF	철 CCDF	척 CCEF	첼 CCFF

	CD0	CD1	CD2	CD3	CD4	CD5	CD6	CD7	CD8	CD9	CDA	CDB	CDC	CDD	CDE	CDF
0	체 CD00	출 CD10	촉 CD20	촬 CD30	채 CD40	첸 CD50	친 CD60	치 CD70	출 CD80	촉 CD90	츄 CDA0	취 CDB0	침 CDC0	첸 CDD0	체 CDE0	칠 CDF0
1	챙 CD01	츄 CD11	출 CD21	촬 CD31	책 CD41	첸 CD51	친 CD61	칭 CD71	츄 CD81	출 CD91	츄 CDA1	취 CDB1	침 CDC1	첸 CDD1	챙 CDE1	칠 CDF1
2	체 CD02	츄 CD12	출 CD22	촬 CD32	책 CD42	첸 CD52	친 CD62	치 CD72	츄 CD82	츄 CD92	츄 CDA2	취 CDB2	침 CDC2	첸 CDD2	체 CDE2	칠 CDF2
3	체 CD03	츄 CD13	출 CD23	촬 CD33	책 CD43	첸 CD53	친 CD63	치 CD73	츄 CD83	츄 CD93	츄 CDA3	취 CDB3	침 CDC3	첸 CDD3	체 CDE3	칠 CDF3
4	체 CD04	츄 CD14	출 CD24	촬 CD34	책 CD44	첸 CD54	친 CD64	치 CD74	츄 CD84	츄 CD94	츄 CDA4	취 CDB4	침 CDC4	첸 CDD4	체 CDE4	칠 CDF4
5	체 CD05	츄 CD15	출 CD25	촬 CD35	책 CD45	첸 CD55	친 CD65	치 CD75	츄 CD85	츄 CD95	츄 CDA5	취 CDB5	침 CDC5	첸 CDD5	체 CDE5	칠 CDF5
6	체 CD06	츄 CD16	출 CD26	촬 CD36	책 CD46	첸 CD56	친 CD66	치 CD76	츄 CD86	츄 CD96	츄 CDA6	취 CDB6	침 CDC6	첸 CDD6	체 CDE6	칠 CDF6
7	체 CD07	츄 CD17	출 CD27	촬 CD37	책 CD47	첸 CD57	친 CD67	치 CD77	츄 CD87	츄 CD97	츄 CDA7	취 CDB7	침 CDC7	첸 CDD7	체 CDE7	칠 CDF7
8	체 CD08	츄 CD18	출 CD28	촬 CD38	책 CD48	첸 CD58	친 CD68	치 CD78	츄 CD88	츄 CD98	츄 CDA8	취 CDB8	침 CDC8	첸 CDD8	체 CDE8	칠 CDF8
9	체 CD09	츄 CD19	출 CD29	촬 CD39	책 CD49	첸 CD59	친 CD69	치 CD79	츄 CD89	츄 CD99	츄 CDA9	취 CDB9	침 CDC9	첸 CDD9	체 CDE9	칠 CDF9
A	체 CD0A	츄 CD1A	출 CD2A	촬 CD3A	책 CD4A	첸 CD5A	친 CD6A	치 CD7A	츄 CD8A	츄 CD9A	츄 CDAA	취 CDBA	침 CDCA	첸 CDDA	체 CDEA	칠 CDFA
B	체 CD0B	츄 CD1B	출 CD2B	촬 CD3B	책 CD4B	첸 CD5B	친 CD6B	치 CD7B	츄 CD8B	츄 CD9B	츄 CDA B	취 CDB B	침 CDC B	첸 CDD B	체 CDE B	칠 CDF B
C	체 CD0C	츄 CD1C	출 CD2C	촬 CD3C	책 CD4C	첸 CD5C	친 CD6C	치 CD7C	츄 CD8C	츄 CD9C	츄 CDA C	취 CDB C	침 CDC C	첸 CDD C	체 CDE C	칠 CDF C
D	체 CD0D	츄 CD1D	출 CD2D	촬 CD3D	책 CD4D	첸 CD5D	친 CD6D	치 CD7D	츄 CD8D	츄 CD9D	츄 CDA D	취 CDB D	침 CDC D	첸 CDD D	체 CDE D	칠 CDF D
E	체 CD0E	츄 CD1E	출 CD2E	촬 CD3E	책 CD4E	첸 CD5E	친 CD6E	치 CD7E	츄 CD8E	츄 CD9E	츄 CDA E	취 CDB E	침 CDC E	첸 CDD E	체 CDE E	칠 CDF E
F	체 CD0F	츄 CD1F	출 CD2F	촬 CD3F	책 CD4F	첸 CD5F	친 CD6F	치 CD7F	츄 CD8F	츄 CD9F	츄 CDA F	취 CDB F	침 CDC F	첸 CDD F	체 CDE F	칠 CDF F

	CE0	CE1	CE2	CE3	CE4	CE5	CE6	CE7	CE8	CE9	CEA	CEB	CEC	CED	CEE	CEF
0	칙 CE00	측 CE10	츠 CE20	츰 CE30	친 CE40	츿 CE50	칠 CE60	칙 CE70	값 CE80	캐 CE90	캠 CEA0	칸 CEB0	갯 CEC0	켈 CED0	객 CEE0	겅 CEF0
1	칠 CE01	측 CE11	츱 CE21	츰 CE31	츿 CE41	칭 CE51	츱 CE61	칠 CE71	값 CE81	객 CE91	캠 CEA1	갯 CEB1	강 CEC1	켈 CED1	객 CEE1	겅 CEF1
2	츿 CE02	측 CE12	츱 CE22	츰 CE32	츿 CE42	칭 CE52	츱 CE62	츿 CE72	값 CE82	객 CE92	캠 CEA2	갯 CEB2	강 CEC2	켈 CED2	객 CEE2	겅 CEF2
3	칭 CE03	측 CE13	츱 CE23	츰 CE33	친 CE43	츿 CE53	츱 CE63	칭 CE73	강 CE83	객 CE93	캠 CEA3	칸 CEB3	갯 CEC3	켈 CED3	객 CEE3	겅 CEF3
4	츱 CE04	츰 CE14	츰 CE24	츰 CE34	칠 CE44	칙 CE54	츿 CE64	카 CE74	감 CE84	캔 CE94	갯 CEA4	갈 CEB4	각 CEC4	겅 CED4	커 CEE4	킴 CEF4
5	츱 CE05	츰 CE15	츱 CE25	츰 CE35	츿 CE45	츿 CE55	츿 CE65	각 CE75	값 CE85	객 CE95	캠 CEA5	갯 CEB5	강 CEC5	켈 CED5	객 CEE5	겅 CEF5
6	츱 CE06	측 CE16	츱 CE26	츰 CE36	츿 CE46	츿 CE56	츿 CE66	각 CE76	값 CE86	객 CE96	캠 CEA6	갯 CEB6	강 CEC6	켈 CED6	객 CEE6	겅 CEF6
7	츱 CE07	츱 CE17	츰 CE27	츰 CE37	츿 CE47	칭 CE57	칭 CE67	값 CE77	갯 CE87	캔 CE97	갯 CEA7	갈 CEB7	강 CEC7	켈 CED7	객 CEE7	겅 CEF7
8	츰 CE08	츰 CE18	츰 CE28	츰 CE38	츿 CE48	치 CE58	침 CE68	칸 CE78	갯 CE88	켈 CE98	객 CEA8	갯 CEB8	캐 CEC8	캠 CED8	컨 CEE8	겅 CEF8
9	츰 CE09	츰 CE19	츰 CE29	츰 CE39	츿 CE49	칙 CE59	침 CE69	값 CE79	강 CE89	캠 CE99	켈 CEA9	갯 CEB9	객 CEC9	객 CED9	객 CEE9	겅 CEF9
A	츰 CE0A	츱 CE1A	츰 CE2A	츰 CE3A	츿 CE4A	츱 CE5A	츿 CE6A	값 CE7A	갯 CE8A	캠 CE9A	켈 CEAA	갯 CEBA	객 CECA	객 CEDA	객 CEEA	겅 CEFA
B	츰 CE0B	츱 CE1B	츰 CE2B	츰 CE3B	츿 CE4B	칭 CE5B	칭 CE6B	칸 CE7B	갯 CE8B	객 CE9B	캠 CEAB	갯 CEBB	강 CECB	객 CEDB	객 CEEB	겅 CEFB
C	츰 CE0C	츱 CE1C	츰 CE2C	칙 CE3C	침 CE4C	친 CE5C	츿 CE6C	갈 CE7C	각 CE8C	객 CE9C	카 CEAC	감 CEBC	캔 CECC	갯 CEDC	객 CEEC	겅 CEFC
D	츰 CE0D	츰 CE1D	츰 CE2D	칙 CE3D	침 CE4D	칭 CE5D	칭 CE6D	값 CE7D	갈 CE8D	객 CE9D	각 CEAD	갯 CEBD	강 CECD	객 CEDD	객 CEED	겅 CEFD
E	츰 CE0E	츰 CE1E	츰 CE2E	츱 CE3E	츿 CE4E	칭 CE5E	칭 CE6E	값 CE7E	강 CE8E	객 CE9E	갯 CEAE	갯 CEBE	강 CECE	객 CEDE	객 CEEE	겅 CEFE
F	츰 CE0F	츰 CE1F	츰 CE2F	츿 CE3F	츿 CE4F	친 CE5F	칭 CE6F	값 CE7F	강 CE8F	객 CE9F	갯 CEAF	갯 CEBF	캔 CECF	객 CEDF	객 CEEF	겅 CEFF



	CF0	CF1	CF2	CF3	CF4	CF5	CF6	CF7	CF8	CF9	CFA	CFB	CFC	CFD	CFE	CFF
0	케 CF00	케 CF10	케 CF20	케 CF30	케 CF40	케 CF50	케 CF60	케 CF70	케 CF80	케 CF90	케 CFA0	케 CFB0	케 CFC0	케 CFD0	케 CFE0	케 CFF0
1	케 CF01	케 CF11	케 CF21	케 CF31	케 CF41	케 CF51	케 CF61	케 CF71	케 CF81	케 CF91	케 CFA1	케 CFB1	케 CFC1	케 CFD1	케 CFE1	케 CFF1
2	케 CF02	케 CF12	케 CF22	케 CF32	케 CF42	케 CF52	케 CF62	케 CF72	케 CF82	케 CF92	케 CFA2	케 CFB2	케 CFC2	케 CFD2	케 CFE2	케 CFF2
3	케 CF03	케 CF13	케 CF23	케 CF33	케 CF43	케 CF53	케 CF63	케 CF73	케 CF83	케 CF93	케 CFA3	케 CFB3	케 CFC3	케 CFD3	케 CFE3	케 CFF3
4	케 CF04	케 CF14	케 CF24	케 CF34	케 CF44	케 CF54	케 CF64	케 CF74	케 CF84	케 CF94	케 CFA4	케 CFB4	케 CFC4	케 CFD4	케 CFE4	케 CFF4
5	케 CF05	케 CF15	케 CF25	케 CF35	케 CF45	케 CF55	케 CF65	케 CF75	케 CF85	케 CF95	케 CFA5	케 CFB5	케 CFC5	케 CFD5	케 CFE5	케 CFF5
6	케 CF06	케 CF16	케 CF26	케 CF36	케 CF46	케 CF56	케 CF66	케 CF76	케 CF86	케 CF96	케 CFA6	케 CFB6	케 CFC6	케 CFD6	케 CFE6	케 CFF6
7	케 CF07	케 CF17	케 CF27	케 CF37	케 CF47	케 CF57	케 CF67	케 CF77	케 CF87	케 CF97	케 CFA7	케 CFB7	케 CFC7	케 CFD7	케 CFE7	케 CFF7
8	케 CF08	케 CF18	케 CF28	케 CF38	케 CF48	케 CF58	케 CF68	케 CF78	케 CF88	케 CF98	케 CFA8	케 CFB8	케 CFC8	케 CFD8	케 CFE8	케 CFF8
9	케 CF09	케 CF19	케 CF29	케 CF39	케 CF49	케 CF59	케 CF69	케 CF79	케 CF89	케 CF99	케 CFA9	케 CFB9	케 CFC9	케 CFD9	케 CFE9	케 CFF9
A	케 CF0A	케 CF1A	케 CF2A	케 CF3A	케 CF4A	케 CF5A	케 CF6A	케 CF7A	케 CF8A	케 CF9A	케 CFAA	케 CFBA	케 CFCA	케 CFDA	케 CFEA	케 CFFA
B	케 CF0B	케 CF1B	케 CF2B	케 CF3B	케 CF4B	케 CF5B	케 CF6B	케 CF7B	케 CF8B	케 CF9B	케 CFAB	케 CFBB	케 CFCB	케 CFDB	케 CFEB	케 CFFB
C	케 CF0C	케 CF1C	케 CF2C	케 CF3C	케 CF4C	케 CF5C	케 CF6C	케 CF7C	케 CF8C	케 CF9C	케 CFAC	케 CFBC	케 CFCC	케 CFDC	케 CFEC	케 CFFC
D	케 CF0D	케 CF1D	케 CF2D	케 CF3D	케 CF4D	케 CF5D	케 CF6D	케 CF7D	케 CF8D	케 CF9D	케 CFAD	케 CFBD	케 CFCD	케 CFDD	케 CFED	케 CFFD
E	케 CF0E	케 CF1E	케 CF2E	케 CF3E	케 CF4E	케 CF5E	케 CF6E	케 CF7E	케 CF8E	케 CF9E	케 CFAE	케 CFBE	케 CFCE	케 CFDE	케 CFEE	케 CFFE
F	케 CF0F	케 CF1F	케 CF2F	케 CF3F	케 CF4F	케 CF5F	케 CF6F	케 CF7F	케 CF8F	케 CF9F	케 CFAF	케 CFBF	케 CFCF	케 CFDF	케 CFEF	케 CFFF

	D00	D01	D02	D03	D04	D05	D06	D07	D08	D09	D0A	D0B	D0C	D0D	D0E	D0F
0	퀸 D000	퀸 D010	퀸 D020	퀸 D030	퀸 D040	큐 D050	큐 D060	큰 D070	큰 D080	퀸 D090	퀸 D0A0	퀸 D0B0	퀸 D0C0	퀸 D0D0	퀸 D0E0	퀸 D0F0
1	퀸 D001	퀸 D011	퀸 D021	퀸 D031	퀸 D041	큐 D051	큐 D061	큰 D071	큰 D081	퀸 D091	퀸 D0A1	퀸 D0B1	퀸 D0C1	퀸 D0D1	퀸 D0E1	퀸 D0F1
2	퀸 D002	퀸 D012	퀸 D022	퀸 D032	퀸 D042	큐 D052	큐 D062	큰 D072	큰 D082	퀸 D092	퀸 D0A2	퀸 D0B2	퀸 D0C2	퀸 D0D2	퀸 D0E2	퀸 D0F2
3	퀸 D003	퀸 D013	퀸 D023	퀸 D033	퀸 D043	큐 D053	큐 D063	큰 D073	큰 D083	퀸 D093	퀸 D0A3	퀸 D0B3	퀸 D0C3	퀸 D0D3	퀸 D0E3	퀸 D0F3
4	퀸 D004	퀸 D014	퀸 D024	퀸 D034	퀸 D044	큐 D054	큐 D064	큰 D074	큰 D084	퀸 D094	퀸 D0A4	퀸 D0B4	퀸 D0C4	퀸 D0D4	퀸 D0E4	퀸 D0F4
5	퀸 D005	퀸 D015	퀸 D025	퀸 D035	퀸 D045	큐 D055	큐 D065	큰 D075	큰 D085	퀸 D095	퀸 D0A5	퀸 D0B5	퀸 D0C5	퀸 D0D5	퀸 D0E5	퀸 D0F5
6	퀸 D006	퀸 D016	퀸 D026	퀸 D036	퀸 D046	큐 D056	큐 D066	큰 D076	큰 D086	퀸 D096	퀸 D0A6	퀸 D0B6	퀸 D0C6	퀸 D0D6	퀸 D0E6	퀸 D0F6
7	퀸 D007	퀸 D017	퀸 D027	퀸 D037	퀸 D047	큐 D057	큐 D067	큰 D077	큰 D087	퀸 D097	퀸 D0A7	퀸 D0B7	퀸 D0C7	퀸 D0D7	퀸 D0E7	퀸 D0F7
8	퀸 D008	퀸 D018	퀸 D028	퀸 D038	퀸 D048	큐 D058	큐 D068	큰 D078	큰 D088	퀸 D098	퀸 D0A8	퀸 D0B8	퀸 D0C8	퀸 D0D8	퀸 D0E8	퀸 D0F8
9	퀸 D009	퀸 D019	퀸 D029	퀸 D039	퀸 D049	큐 D059	큐 D069	큰 D079	큰 D089	퀸 D099	퀸 D0A9	퀸 D0B9	퀸 D0C9	퀸 D0D9	퀸 D0E9	퀸 D0F9
A	퀸 D00A	퀸 D01A	퀸 D02A	퀸 D03A	퀸 D04A	큐 D05A	큐 D06A	큰 D07A	큰 D08A	퀸 D09A	퀸 D0AA	퀸 D0BA	퀸 D0CA	퀸 D0DA	퀸 D0EA	퀸 D0FA
B	퀸 D00B	퀸 D01B	퀸 D02B	퀸 D03B	퀸 D04B	큐 D05B	큐 D06B	큰 D07B	큰 D08B	퀸 D09B	퀸 D0AB	퀸 D0BB	퀸 D0CB	퀸 D0DB	퀸 D0EB	퀸 D0FB
C	퀸 D00C	퀸 D01C	퀸 D02C	퀸 D03C	퀸 D04C	큐 D05C	큐 D06C	큰 D07C	큰 D08C	퀸 D09C	퀸 D0AC	퀸 D0BC	퀸 D0CC	퀸 D0DC	퀸 D0EC	퀸 D0FC
D	퀸 D00D	퀸 D01D	퀸 D02D	퀸 D03D	퀸 D04D	큐 D05D	큐 D06D	큰 D07D	큰 D08D	퀸 D09D	퀸 D0AD	퀸 D0BD	퀸 D0CD	퀸 D0DD	퀸 D0ED	퀸 D0FD
E	퀸 D00E	퀸 D01E	퀸 D02E	퀸 D03E	퀸 D04E	큐 D05E	큐 D06E	큰 D07E	큰 D08E	퀸 D09E	퀸 D0AE	퀸 D0BE	퀸 D0CE	퀸 D0DE	퀸 D0EE	퀸 D0FE
F	퀸 D00F	퀸 D01F	퀸 D02F	퀸 D03F	퀸 D04F	큐 D05F	큐 D06F	큰 D07F	큰 D08F	퀸 D09F	퀸 D0AF	퀸 D0BF	퀸 D0CF	퀸 D0DF	퀸 D0EF	퀸 D0FF

	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D1A	D1B	D1C	D1D	D1E	D1F
0	탈 D100	탁 D110	택 D120	터 D130	텀 D140	텐 D150	텃 D160	털 D170	턱 D180	텬 D190	토 D1A0	툼 D1B0	툰 D1C0	툳 D1D0	툶 D1E0	툷 D1F0
1	탁 D101	탈 D111	택 D121	터 D131	텀 D141	텐 D151	텃 D161	털 D171	턱 D181	텬 D191	톡 D1A1	툽 D1B1	툸 D1C1	툱 D1D1	툴 D1E1	툵 D1F1
2	탑 D102	타 D112	택 D122	터 D132	텀 D142	텐 D152	텃 D162	털 D172	턱 D182	텬 D192	투 D1A2	툼 D1B2	툰 D1C2	툳 D1D2	툶 D1E2	툷 D1F2
3	탑 D103	탕 D113	탱 D123	터 D133	텀 D143	텐 D153	텃 D163	털 D173	턱 D183	텬 D193	투 D1A3	툽 D1B3	툸 D1C3	툱 D1D3	툴 D1E3	툵 D1F3
4	타 D104	태 D114	택 D124	터 D134	텀 D144	텐 D154	텃 D164	털 D174	턱 D184	텬 D194	톤 D1A4	툽 D1B4	툸 D1C4	툱 D1D4	툴 D1E4	툵 D1F4
5	타 D105	택 D115	택 D125	터 D135	텀 D145	텐 D155	텃 D165	털 D175	턱 D185	텬 D195	툽 D1A5	툸 D1B5	툱 D1C5	툴 D1D5	툶 D1E5	툷 D1F5
6	타 D106	택 D116	택 D126	터 D136	텀 D146	텐 D156	텃 D166	털 D176	턱 D186	텬 D196	툽 D1A6	툸 D1B6	툱 D1C6	툴 D1D6	툶 D1E6	툷 D1F6
7	타 D107	택 D117	택 D127	터 D137	텀 D147	텐 D157	텃 D167	털 D177	턱 D187	텬 D197	툽 D1A7	툸 D1B7	툱 D1C7	툴 D1D7	툶 D1E7	툷 D1F7
8	탐 D108	텐 D118	택 D128	털 D138	턱 D148	텬 D158	터 D168	텀 D178	텐 D188	텬 D198	톨 D1A8	툽 D1B8	툸 D1C8	툱 D1D8	툴 D1E8	툵 D1F8
9	탐 D109	택 D119	탱 D129	터 D139	텀 D149	텐 D159	텃 D169	털 D179	턱 D189	텬 D199	톨 D1A9	툽 D1B9	툸 D1C9	툱 D1D9	툴 D1E9	툵 D1F9
A	탁 D10A	탱 D11A	택 D12A	터 D13A	텀 D14A	텐 D15A	텃 D16A	털 D17A	턱 D18A	텬 D19A	툽 D1AA	툸 D1BA	툱 D1CA	툴 D1DA	툶 D1EA	툷 D1FA
B	탁 D10B	텐 D11B	택 D12B	터 D13B	텀 D14B	텐 D15B	텃 D16B	털 D17B	턱 D18B	텬 D19B	툽 D1AB	툸 D1BB	툱 D1CB	툴 D1DB	툶 D1EB	툷 D1FB
C	탁 D10C	탱 D11C	택 D12C	터 D13C	텀 D14C	텐 D15C	텃 D16C	털 D17C	턱 D18C	텬 D19C	툽 D1AC	툸 D1BC	툱 D1CC	툴 D1DC	툶 D1EC	툷 D1FC
D	탕 D10D	택 D11D	탱 D12D	터 D13D	텀 D14D	텐 D15D	텃 D16D	털 D17D	턱 D18D	텬 D19D	툽 D1AD	툸 D1BD	툱 D1CD	툴 D1DD	툶 D1ED	툷 D1FD
E	탁 D10E	탱 D11E	택 D12E	터 D13E	텀 D14E	텐 D15E	텃 D16E	털 D17E	턱 D18E	텬 D19E	툽 D1AE	툸 D1BE	툱 D1CE	툴 D1DE	툶 D1EE	툷 D1FE
F	탁 D10F	탱 D11F	탱 D12F	터 D13F	텀 D14F	텐 D15F	텃 D16F	털 D17F	턱 D18F	텬 D19F	툽 D1AF	툸 D1BF	툱 D1CF	툴 D1DF	툶 D1EF	툷 D1FF

	D20	D21	D22	D23	D24	D25	D26	D27	D28	D29	D2A	D2B	D2C	D2D	D2E	D2F
0	뵆 D200	도 D210	툼 D220	툸 D230	툹 D240	툺 D250	툻 D260	뵆 D270	뒤 D280	뵆 D290	툸 D2A0	툹 D2B0	툺 D2C0	툻 D2D0	툼 D2E0	티 D2F0
1	뵆 D201	독 D211	툼 D221	툹 D231	툺 D241	툻 D251	툼 D261	뵆 D271	뵆 D281	툹 D291	툺 D2A1	툻 D2B1	툼 D2C1	툺 D2D1	툻 D2E1	티 D2F1
2	뵆 D202	뵆 D212	툹 D222	툺 D232	툻 D242	툼 D252	툺 D262	뵆 D272	툹 D282	툺 D292	툻 D2A2	툼 D2B2	툺 D2C2	툻 D2D2	툼 D2E2	튀 D2F2
3	뵆 D203	툹 D213	툺 D223	툻 D233	툼 D243	툺 D253	툻 D263	뵆 D273	툹 D283	툺 D293	툻 D2A3	툼 D2B3	툺 D2C3	툻 D2D3	툼 D2E3	티 D2F3
4	뵆 D204	툸 D214	툹 D224	툺 D234	툻 D244	툼 D254	툺 D264	뵆 D274	툹 D284	툺 D294	툻 D2A4	툼 D2B4	툺 D2C4	툻 D2D4	툼 D2E4	틴 D2F4
5	뵆 D205	툹 D215	툺 D225	툻 D235	툼 D245	툺 D255	툻 D265	뵆 D275	툹 D285	툺 D295	툻 D2A5	툼 D2B5	툺 D2C5	툻 D2D5	툼 D2E5	티 D2F5
6	뵆 D206	툹 D216	툺 D226	툻 D236	툼 D246	툺 D256	툻 D266	뵆 D276	툹 D286	툺 D296	툻 D2A6	툼 D2B6	툺 D2C6	툻 D2D6	툼 D2E6	팅 D2F6
7	뵆 D207	툸 D217	툹 D227	툺 D237	툻 D247	툼 D257	툺 D267	뵆 D277	툹 D287	툺 D297	툻 D2A7	툼 D2B7	툺 D2C7	툻 D2D7	툼 D2E7	틴 D2F7
8	뵆 D208	툸 D218	툹 D228	툺 D238	툻 D248	툼 D258	툺 D268	뵆 D278	툹 D288	툺 D298	툻 D2A8	툼 D2B8	툺 D2C8	툻 D2D8	툼 D2E8	틸 D2F8
9	뵆 D209	툹 D219	툺 D229	툻 D239	툼 D249	툺 D259	툻 D269	뵆 D279	툹 D289	툺 D299	툻 D2A9	툼 D2B9	툺 D2C9	툻 D2D9	툼 D2E9	튀 D2F9
A	뵆 D20A	툹 D21A	툺 D22A	툻 D23A	툼 D24A	툺 D25A	툻 D26A	뵆 D27A	툹 D28A	툺 D29A	툻 D2AA	툼 D2BA	툺 D2CA	툻 D2DA	툼 D2EA	티 D2FA
B	뵆 D20B	툹 D21B	툺 D22B	툻 D23B	툼 D24B	툺 D25B	툻 D26B	뵆 D27B	툹 D28B	툺 D29B	툻 D2AB	툼 D2BB	툺 D2CB	툻 D2DB	툼 D2EB	티 D2FB
C	뵆 D20C	툹 D21C	툺 D22C	툻 D23C	툼 D24C	툺 D25C	툻 D26C	뵆 D27C	툹 D28C	툺 D29C	툻 D2AC	툼 D2BC	툺 D2CC	툻 D2DC	툼 D2EC	티 D2FC
D	뵆 D20D	툹 D21D	툺 D22D	툻 D23D	툼 D24D	툺 D25D	툻 D26D	뵆 D27D	툹 D28D	툺 D29D	툻 D2AD	툼 D2BD	툺 D2CD	툻 D2DD	툼 D2ED	티 D2FD
E	뵆 D20E	툹 D21E	툺 D22E	툻 D23E	툼 D24E	툺 D25E	툻 D26E	뵆 D27E	툹 D28E	툺 D29E	툻 D2AE	툼 D2BE	툺 D2CE	툻 D2DE	툼 D2EE	티 D2FE
F	뵆 D20F	툹 D21F	툺 D22F	툻 D23F	툼 D24F	툺 D25F	툻 D26F	뵆 D27F	툹 D28F	툺 D29F	툻 D2AF	툼 D2BF	툺 D2CF	툻 D2DF	툼 D2EF	팅 D2FF

	D30	D31	D32	D33	D34	D35	D36	D37	D38	D39	D3A	D3B	D3C	D3D	D3E
0	팀 D300	판 D310	팠 D320	패 D330	팍 D340	팓 D350	패 D360	팸 D370	편 D380	폿 D390	펠 D3A0	퓌 D3B0	폸 D3C0	페 D3D0	멤 D3E0
1	팁 D301	팓 D311	팡 D321	패 D331	패 D341	팓 D351	팍 D361	팸 D371	편 D381	평 D391	펠 D3A1	퓌 D3B1	폸 D3C1	퓌 D3D1	멤 D3E1
2	틁 D302	팡 D312	팓 D322	패 D332	패 D342	팓 D352	팍 D362	팸 D372	편 D382	폿 D392	펠 D3A2	퓌 D3B2	폸 D3C2	퓌 D3D2	멤 D3E2
3	틁 D303	판 D313	팓 D323	패 D333	팡 D343	팡 D353	팓 D363	팸 D373	편 D383	폿 D393	펠 D3A3	퓌 D3B3	폸 D3C3	퓌 D3D3	멤 D3E3
4	틁 D304	팡 D314	팓 D324	패 D334	팡 D344	팡 D354	팓 D364	팸 D374	편 D384	폿 D394	펠 D3A4	퓌 D3B4	폸 D3C4	퓌 D3D4	멤 D3E4
5	팅 D305	팡 D315	팡 D325	패 D335	팡 D345	팡 D355	팓 D365	팸 D375	편 D385	폿 D395	펠 D3A5	퓌 D3B5	폸 D3C5	퓌 D3D5	멤 D3E5
6	틁 D306	팡 D316	팡 D326	패 D336	팡 D346	팡 D356	팓 D366	팸 D376	편 D386	폿 D396	펠 D3A6	퓌 D3B6	폸 D3C6	퓌 D3D6	멤 D3E6
7	틁 D307	팡 D317	팡 D327	패 D337	팡 D347	팡 D357	팓 D367	팸 D377	편 D387	폿 D397	펠 D3A7	퓌 D3B7	폸 D3C7	퓌 D3D7	멤 D3E7
8	틁 D308	팡 D318	패 D328	팸 D338	판 D348	팓 D358	패 D368	팍 D378	편 D388	폿 D398	펠 D3A8	퓌 D3B8	폸 D3C8	퓌 D3D8	멤 D3E8
9	틁 D309	팡 D319	팍 D329	팸 D339	팓 D349	팡 D359	패 D369	팸 D379	편 D389	폿 D399	펠 D3A9	퓌 D3B9	폸 D3C9	퓌 D3D9	멤 D3E9
A	틁 D30A	팡 D31A	팍 D32A	팸 D33A	팡 D34A	팡 D35A	패 D36A	팸 D37A	편 D38A	폿 D39A	펠 D3AA	퓌 D3BA	폸 D3CA	퓌 D3DA	멤 D3EA
B	팅 D30B	팡 D31B	팓 D32B	팸 D33B	판 D34B	팓 D35B	패 D36B	팡 D37B	편 D38B	폿 D39B	펠 D3AB	퓌 D3BB	폸 D3CB	퓌 D3DB	멤 D3EB
C	파 D30C	팡 D31C	팸 D32C	팸 D33C	팡 D34C	팡 D35C	패 D36C	퓌 D37C	퓌 D38C	퓌 D39C	퓌 D3AC	퓌 D3BC	퓌 D3CC	퓌 D3DC	퓌 D3EC
D	팡 D30D	팡 D31D	팸 D32D	팸 D33D	팡 D34D	팡 D35D	패 D36D	퓌 D37D	퓌 D38D	퓌 D39D	퓌 D3AD	퓌 D3BD	퓌 D3CD	퓌 D3DD	퓌 D3ED
E	팡 D30E	팡 D31E	팸 D32E	팸 D33E	팡 D34E	팡 D35E	패 D36E	퓌 D37E	퓌 D38E	퓌 D39E	퓌 D3AE	퓌 D3BE	퓌 D3CE	퓌 D3DE	퓌 D3EE
F	팡 D30F	팡 D31F	팸 D32F	팸 D33F	팡 D34F	팡 D35F	패 D36F	퓌 D37F	퓌 D38F	퓌 D39F	퓌 D3AF	퓌 D3BF	퓌 D3CF	퓌 D3DF	퓌 D3EF

	D3F	D40	D41	D42	D43	D44	D45	D46	D47	D48	D49	D4A	D4B	D4C	D4D
0	폰 D3F0	푼 D400	팠 D410	팍 D420	팜 D430	푼 D440	푼 D450	푼 D460	푼 D470	푼 D480	푼 D490	푼 D4A0	푼 D4B0	푼 D4C0	푼 D4D0
1	푼 D3F1	푼 D401	푼 D411	푼 D421	푼 D431	푼 D441	푼 D451	푼 D461	푼 D471	푼 D481	푼 D491	푼 D4A1	푼 D4B1	푼 D4C1	푼 D4D1
2	푼 D3F2	푼 D402	푼 D412	푼 D422	푼 D432	푼 D442	푼 D452	푼 D462	푼 D472	푼 D482	푼 D492	푼 D4A2	푼 D4B2	푼 D4C2	푼 D4D2
3	푼 D3F3	푼 D403	푼 D413	푼 D423	푼 D433	푼 D443	푼 D453	푼 D463	푼 D473	푼 D483	푼 D493	푼 D4A3	푼 D4B3	푼 D4C3	푼 D4D3
4	푼 D3F4	푼 D404	푼 D414	푼 D424	푼 D434	푼 D444	푼 D454	푼 D464	푼 D474	푼 D484	푼 D494	푼 D4A4	푼 D4B4	푼 D4C4	푼 D4D4
5	푼 D3F5	푼 D405	푼 D415	푼 D425	푼 D435	푼 D445	푼 D455	푼 D465	푼 D475	푼 D485	푼 D495	푼 D4A5	푼 D4B5	푼 D4C5	푼 D4D5
6	푼 D3F6	푼 D406	푼 D416	푼 D426	푼 D436	푼 D446	푼 D456	푼 D466	푼 D476	푼 D486	푼 D496	푼 D4A6	푼 D4B6	푼 D4C6	푼 D4D6
7	푼 D3F7	푼 D407	푼 D417	푼 D427	푼 D437	푼 D447	푼 D457	푼 D467	푼 D477	푼 D487	푼 D497	푼 D4A7	푼 D4B7	푼 D4C7	푼 D4D7
8	푼 D3F8	푼 D408	푼 D418	푼 D428	푼 D438	푼 D448	푼 D458	푼 D468	푼 D478	푼 D488	푼 D498	푼 D4A8	푼 D4B8	푼 D4C8	푼 D4D8
9	푼 D3F9	푼 D409	푼 D419	푼 D429	푼 D439	푼 D449	푼 D459	푼 D469	푼 D479	푼 D489	푼 D499	푼 D4A9	푼 D4B9	푼 D4C9	푼 D4D9
A	푼 D3FA	푼 D40A	푼 D41A	푼 D42A	푼 D43A	푼 D44A	푼 D45A	푼 D46A	푼 D47A	푼 D48A	푼 D49A	푼 D4AA	푼 D4BA	푼 D4CA	푼 D4DA
B	푼 D3FB	푼 D40B	푼 D41B	푼 D42B	푼 D43B	푼 D44B	푼 D45B	푼 D46B	푼 D47B	푼 D48B	푼 D49B	푼 D4AB	푼 D4BB	푼 D4CB	푼 D4DB
C	푼 D3FC	푼 D40C	푼 D41C	푼 D42C	푼 D43C	푼 D44C	푼 D45C	푼 D46C	푼 D47C	푼 D48C	푼 D49C	푼 D4AC	푼 D4BC	푼 D4CC	푼 D4DC
D	푼 D3FD	푼 D40D	푼 D41D	푼 D42D	푼 D43D	푼 D44D	푼 D45D	푼 D46D	푼 D47D	푼 D48D	푼 D49D	푼 D4AD	푼 D4BD	푼 D4CD	푼 D4DD
E	푼 D3FE	푼 D40E	푼 D41E	푼 D42E	푼 D43E	푼 D44E	푼 D45E	푼 D46E	푼 D47E	푼 D48E	푼 D49E	푼 D4AE	푼 D4BE	푼 D4CE	푼 D4DE
F	푼 D3FF	푼 D40F	푼 D41F	푼 D42F	푼 D43F	푼 D44F	푼 D45F	푼 D46F	푼 D47F	푼 D48F	푼 D49F	푼 D4AF	푼 D4BF	푼 D4CF	푼 D4DF

	D4E	D4F	D50	D51	D52	D53	D54	D55	D56	D57	D58	D59	D5A	D5B	D5C
0	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
1	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
2	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
3	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
4	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
5	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
6	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
7	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
8	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
9	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
A	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
B	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
C	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
D	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
E	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾
F	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾	꺾

	D5D	D5E	D5F	D60	D61	D62	D63	D64	D65	D66	D67	D68	D69	D6A	D6B
0	헐 D5D0	헝 D5E0	헞 D5F0	혀 D600	헝 D610	헞 D620	헟 D630	홀 D640	혹 D650	활 D660	회 D670	햄 D680	흰 D690	희 D6A0	흘 D6B0
1	헝 D5D1	헞 D5E1	헟 D5F1	혁 D601	헝 D611	헞 D621	헟 D631	후 D641	후 D651	환 D661	회 D671	햄 D681	흰 D691	희 D6A1	흘 D6B1
2	헞 D5D2	헟 D5E2	헟 D5F2	혁 D602	헞 D612	헟 D622	헟 D632	후 D642	후 D652	환 D662	회 D672	햄 D682	흰 D692	희 D6A2	흘 D6B2
3	헟 D5D3	헟 D5E3	헟 D5F3	혁 D603	헟 D613	헟 D623	헟 D633	후 D643	후 D653	환 D663	회 D673	햄 D683	흰 D693	희 D6A3	흘 D6B3
4	헟 D5D4	헤 D5E4	헝 D5F4	현 D604	헟 D614	헟 D624	헟 D634	후 D644	화 D654	함 D664	환 D674	헟 D684	흰 D694	희 D6A4	흘 D6B4
5	헟 D5D5	헝 D5E5	헟 D5F5	현 D605	헟 D615	헟 D625	헟 D635	후 D645	화 D655	함 D665	환 D675	헟 D685	흰 D695	희 D6A5	흘 D6B5
6	헟 D5D6	헝 D5E6	헟 D5F6	현 D606	헟 D616	헟 D626	헟 D636	후 D646	화 D656	함 D666	환 D676	헟 D686	흰 D696	희 D6A6	흘 D6B6
7	헟 D5D7	헟 D5E7	헟 D5F7	현 D607	헟 D617	헟 D627	헟 D637	후 D647	화 D657	함 D667	환 D677	헟 D687	흰 D697	희 D6A7	흘 D6B7
8	헝 D5D8	헞 D5E8	헟 D5F8	현 D608	헟 D618	헟 D628	헟 D638	후 D648	환 D658	환 D668	환 D678	햄 D688	흰 D698	희 D6A8	흘 D6B8
9	헟 D5D9	헟 D5E9	헟 D5F9	현 D609	헟 D619	헟 D629	헟 D639	후 D649	환 D659	환 D669	환 D679	햄 D689	흰 D699	희 D6A9	흘 D6B9
A	헟 D5DA	헟 D5EA	헟 D5FA	현 D60A	헟 D61A	헟 D62A	후 D63A	후 D64A	환 D65A	환 D66A	환 D67A	햄 D68A	흰 D69A	희 D6AA	흘 D6BA
B	헟 D5DB	헟 D5EB	헟 D5FB	현 D60B	헟 D61B	헟 D62B	후 D63B	후 D64B	환 D65B	환 D66B	환 D67B	햄 D68B	흰 D69B	희 D6AB	흘 D6BB
C	헟 D5DC	헟 D5EC	헟 D5FC	현 D60C	헟 D61C	헟 D62C	후 D63C	후 D64C	환 D65C	환 D66C	환 D67C	햄 D68C	흰 D69C	희 D6AC	흘 D6BC
D	헟 D5DD	헟 D5ED	헟 D5FD	현 D60D	헟 D61D	헟 D62D	후 D63D	후 D64D	환 D65D	환 D66D	환 D67D	햄 D68D	흰 D69D	희 D6AD	흘 D6BD
E	헟 D5DE	헟 D5EE	헟 D5FE	현 D60E	헟 D61E	헟 D62E	후 D63E	후 D64E	환 D65E	환 D66E	환 D67E	햄 D68E	흰 D69E	희 D6AE	흘 D6BE
F	헟 D5DF	헟 D5EF	헟 D5FF	현 D60F	헟 D61F	헟 D62F	후 D63F	후 D64F	환 D65F	환 D66F	환 D67F	햄 D68F	흰 D69F	희 D6AF	흘 D6BF



	D6C	D6D	D6E	D6F	D70	D71	D72	D73	D74	D75	D76	D77	D78	D79	D7A
0	혹 D6C0	훙 D6D0	휘 D6E0	힘 D6F0	헨 D700	헛 D710	힐 D720	힙 D730	훤 D740	흐 D750	흠 D760	힌 D770	힣 D780	힐 D790	힙 D7A0
1	훤 D6C1	흠 D6D1	힙 D6E1	힣 D6F1	헛 D701	헛 D711	힣 D721	힣 D731	흠 D741	흠 D751	흠 D761	힣 D771	힣 D781	힣 D791	힣 D7A1
2	흠 D6C2	흠 D6D2	휘 D6E2	힣 D6F2	헛 D702	헛 D712	힣 D722	힣 D732	흠 D742	흠 D752	흠 D762	힣 D772	힣 D782	힣 D792	힣 D7A2
3	훙 D6C3	흠 D6D3	힣 D6E3	힣 D6F3	헨 D703	헛 D713	힣 D723	힣 D733	흠 D743	흠 D753	흠 D763	힌 D773	힣 D783	힣 D793	힣 D7A3
4	후 D6C4	흠 D6D4	헨 D6E4	힣 D6F4	헛 D704	헛 D714	힣 D724	후 D734	흠 D744	헨 D754	흠 D764	힐 D774	힙 D784	힣 D794	
5	훙 D6C5	흠 D6D5	힣 D6E5	힣 D6F5	헛 D705	헛 D715	힣 D725	훙 D735	흠 D745	헛 D755	흠 D765	힣 D775	힐 D785	힣 D795	
6	후 D6C6	흠 D6D6	힣 D6E6	힣 D6F6	헛 D706	헛 D716	힣 D726	후 D736	흠 D746	헛 D756	흠 D766	힣 D776	힣 D786	힣 D796	
7	후 D6C7	훙 D6D7	헨 D6E7	힣 D6F7	헛 D707	헛 D717	힣 D727	후 D737	훙 D747	헨 D757	흠 D767	힣 D777	힣 D787	힣 D797	
8	헨 D6C8	훙 D6D8	힐 D6E8	힙 D6F8	헛 D708	휘 D718	힘 D728	훈 D738	훙 D748	흠 D758	훙 D768	힣 D778	히 D788	힘 D798	
9	훙 D6C9	훙 D6D9	휘 D6E9	힐 D6F9	헛 D709	힙 D719	힣 D729	훙 D739	훙 D749	후 D759	흠 D769	힣 D779	힙 D789	힣 D799	
A	훙 D6CA	훙 D6DA	힣 D6EA	힣 D6FA	헛 D70A	휘 D71A	힣 D72A	훙 D73A	훙 D74A	후 D75A	흠 D76A	힣 D77A	힣 D78A	힣 D79A	
B	훈 D6CB	훙 D6DB	힣 D6EB	힣 D6FB	헛 D70B	힣 D71B	힣 D72B	훈 D73B	훙 D74B	후 D75B	흠 D76B	힣 D77B	힣 D78B	힣 D79B	
C	훙 D6CC	훙 D6DC	힣 D6EC	헛 D6FC	헛 D70C	헛 D71C	힣 D72C	훙 D73C	훙 D74C	후 D75C	힣 D76C	힣 D77C	힣 D78C	힣 D79C	
D	후 D6CD	훙 D6DD	힣 D6ED	힙 D6FD	헛 D70D	힣 D71D	힣 D72D	후 D73D	훙 D74D	후 D75D	힣 D76D	힣 D77D	힣 D78D	힣 D79D	
E	후 D6CE	후 D6DE	힣 D6EE	휘 D6FE	헛 D70E	헛 D71E	힣 D72E	후 D73E	후 D74E	후 D75E	휘 D76E	힣 D77E	힣 D78E	힣 D79E	
F	후 D6CF	후 D6DF	힣 D6EF	헛 D6FF	헛 D70F	힣 D71F	힣 D72F	후 D73F	후 D74F	후 D75F	힣 D76F	힣 D77F	힣 D78F	힣 D79F	

	D7B	D7C	D7D	D7E	D7F
0	ㄱ D7B0	ㅋ D7C0	ㄷ D7D0	ㅌ D7E0	ㅈ D7F0
1	ㅋ D7B1	ㆁ D7C1	ㄷ D7D1	ㅌ D7E1	ㅉ D7F1
2	ㅍ D7B2	ㅑ D7C2	ㄷ D7D2	ㅌ D7E2	ㅊ D7F2
3	ㅑ D7B3	ㆁ D7C3	ㄷ D7D3	ㅌ D7E3	ㅊ D7F3
4	ㅑ D7B4	ㆁ D7C4	ㄷ D7D4	ㅌ D7E4	ㅊ D7F4
5	ㅑ D7B5	ㆁ D7C5	ㄷ D7D5	ㅌ D7E5	ㅊ D7F5
6	ㅑ D7B6	ㆁ D7C6	ㄷ D7D6	ㅌ D7E6	ㅊ D7F6
7	ㅑ D7B7		ㄷ D7D7	ㅌ D7E7	ㅊ D7F7
8	ㅑ D7B8		ㄷ D7D8	ㅌ D7E8	ㅊ D7F8
9	ㅑ D7B9		ㄷ D7D9	ㅌ D7E9	ㅊ D7F9
A	ㅑ D7BA		ㄷ D7DA	ㅌ D7EA	ㅊ D7FA
B	ㅑ D7BB	ㄴ D7CB	ㄷ D7DB	ㅌ D7EB	ㅊ D7FB
C	ㅑ D7BC	ㅌ D7CC	ㅌ D7DC	ㅌ D7EC	
D	ㅑ D7BD	ㅌ D7CD	ㅌ D7DD	ㅌ D7ED	
E	ㅑ D7BE	ㅌ D7CE	ㅌ D7DE	ㅌ D7EE	
F	ㅑ D7BF	ㅌ D7CF	ㅌ D7DF	ㅌ D7EF	

**Medial vowels**

D7B0 ㅑ HANGUL JUNGSEONG O-YEO  
 D7B1 ㅑㅑ HANGUL JUNGSEONG O-O-I  
 D7B2 ㅑㅑㅑ HANGUL JUNGSEONG YO-A  
 D7B3 ㅑㅑㅑㅑ HANGUL JUNGSEONG YO-AE  
 D7B4 ㅑㅑㅑㅑㅑ HANGUL JUNGSEONG YO-EO  
 D7B5 ㅑㅑㅑㅑㅑㅑ HANGUL JUNGSEONG U-YEO  
 D7B6 ㅑㅑㅑㅑㅑㅑㅑ HANGUL JUNGSEONG U-I  
 D7B7 ㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JUNGSEONG YU-AE  
 D7B8 ㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JUNGSEONG YU-O  
 D7B9 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JUNGSEONG EU-A  
 D7BA ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JUNGSEONG EU-EO  
 D7BB ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JUNGSEONG EU-E  
 D7BC ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JUNGSEONG EU-O  
 D7BD ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JUNGSEONG I-YA-O  
 D7BE ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JUNGSEONG I-YAE  
 D7BF ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JUNGSEONG I-YEO  
 D7C0 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JUNGSEONG I-YE  
 D7C1 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JUNGSEONG I-O-I  
 D7C2 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JUNGSEONG I-YO  
 D7C3 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JUNGSEONG I-YU  
 D7C4 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JUNGSEONG I-I  
 D7C5 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JUNGSEONG ARAEA-A  
 D7C6 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JUNGSEONG ARAEA-E

**Final consonants**

D7CB ㅑㅑㅑ HANGUL JONGSEONG NIEUN-RIEUL  
 D7CC ㅑㅑㅑㅑ HANGUL JONGSEONG NIEUN-CHIEUCH  
 D7CD ㅑㅑㅑㅑㅑ HANGUL JONGSEONG SSANGTIKEUT  
 D7CE ㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG SSANGTIKEUT-PIEUP  
 D7CF ㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG TIKEUT-PIEUP  
 D7D0 ㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG TIKEUT-SIOS  
 D7D1 ㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG TIKEUT-SIOS-KIYEOK  
 D7D2 ㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG TIKEUT-CIEUC  
 D7D3 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG TIKEUT-CHIEUCH  
 D7D4 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG TIKEUT-THIEUTH  
 D7D5 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG RIEUL-SSANGKIYEOK  
 D7D6 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG RIEUL-KIYEOK-HIEUH  
 D7D7 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG SSANGRIEUL-KHIEUKH  
 D7D8 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG RIEUL-MIEUM-HIEUH  
 D7D9 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG RIEUL-PIEUP-TIKEUT  
 D7DA ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG RIEUL-PIEUP-PHIEUPH  
 D7DB ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG RIEUL-YESIEUNG  
 D7DC ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG RIEUL-YEORINHIEUH-HIEUH  
 D7DD ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG KAPYEOUNRIEUL  
 D7DE ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG MIEUM-NIEUN  
 D7DF ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG MIEUM-SSANGNIEUN  
 D7E0 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG SSANGMIEUM  
 D7E1 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG MIEUM-PIEUP-SIOS  
 D7E2 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG MIEUM-CIEUC  
 D7E3 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG PIEUP-TIKEUT  
 D7E4 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG PIEUP-RIEUL-PHIEUPH  
 D7E5 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG PIEUP-MIEUM  
 D7E6 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG SSANGPIEUP  
 D7E7 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG PIEUP-SIOS-TIKEUT  
 D7E8 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG PIEUP-CIEUC  
 D7E9 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG PIEUP-CHIEUCH  
 D7EA ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG SIOS-MIEUM  
 D7EB ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG SIOS-KAPYEOUNPIEUP  
 D7EC ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG SSANGSIOS-KIYEOK  
 D7ED ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG SSANGSIOS-TIKEUT

D7EE ㅑㅑㅑㅑ HANGUL JONGSEONG SIOS-PANSIOS  
 D7EF ㅑㅑㅑㅑㅑ HANGUL JONGSEONG SIOS-CIEUC  
 D7F0 ㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG SIOS-CHIEUCH  
 D7F1 ㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG SIOS-THIEUTH  
 D7F2 ㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG SIOS-HIEUH  
 D7F3 ㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG PANSIOS-PIEUP  
 D7F4 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG PANSIOS-KAPYEOUNPIEUP  
 D7F5 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG YESIEUNG-MIEUM  
 D7F6 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG YESIEUNG-HIEUH  
 D7F7 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG CIEUC-PIEUP  
 D7F8 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG CIEUC-SSANGPIEUP  
 D7F9 ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG SSANGCIEUC  
 D7FA ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG PHIEUPH-SIOS  
 D7FB ㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑㅑ HANGUL JONGSEONG PHIEUPH-THIEUTH

	F90	F91	F92	F93	F94	F95	F96	F97	F98	F99	F9A	F9B	F9C	F9D	F9E	F9F
0	豈 F900	蘿 F910	鸞 F920	擄 F930	鹿 F940	縷 F950	怒 F960	殺 F970	呂 F980	戀 F990	裂 F9A0	聆 F9B0	燎 F9C0	類 F9D0	易 F9E0	藺 F9F0
1	更 F901	螺 F911	嵐 F921	櫓 F931	論 F941	陋 F951	率 F961	辰 F971	女 F981	撚 F991	說 F9A1	鈴 F9B1	療 F9C1	六 F9D1	李 F9E1	隣 F9F1
2	車 F902	裸 F912	濫 F922	爐 F932	壟 F942	勒 F952	異 F962	沈 F972	廬 F982	漣 F992	廉 F9A2	零 F9B2	蓼 F9C2	戮 F9D2	梨 F9E2	鱗 F9F2
3	賈 F903	邏 F913	藍 F923	盧 F933	弄 F943	肋 F953	北 F963	拾 F973	旅 F983	煉 F993	念 F9A3	靈 F9B3	遼 F9C3	陸 F9D3	泥 F9E3	麟 F9F3
4	滑 F904	樂 F914	檻 F924	老 F934	籠 F944	凜 F954	磻 F964	若 F974	瀟 F984	璉 F994	捻 F9A4	頷 F9B4	龍 F9C4	倫 F9D4	理 F9E4	林 F9F4
5	串 F905	洛 F915	拉 F925	蘆 F935	壘 F945	凌 F955	便 F965	掠 F975	礪 F985	季 F995	殮 F9A5	例 F9B5	暈 F9C5	崙 F9D5	痢 F9E5	淋 F9F5
6	句 F906	烙 F916	臘 F926	虜 F936	牢 F946	稜 F956	復 F966	略 F976	閏 F986	練 F996	簾 F9A6	禮 F9B6	阮 F9C6	淪 F9D6	罹 F9E6	臨 F9F6
7	龜 F907	珞 F917	蠟 F927	路 F937	磊 F947	綾 F957	不 F967	亮 F977	驪 F987	聯 F997	獵 F9A7	醴 F9B7	劉 F9C7	輪 F9D7	裏 F9E7	立 F9F7
8	龜 F908	落 F918	廊 F928	露 F938	賂 F948	菱 F958	泌 F968	兩 F978	麗 F988	輦 F998	令 F9A8	隸 F9B8	杻 F9C8	律 F9D8	裡 F9E8	笠 F9F8
9	契 F909	酪 F919	朗 F929	魯 F939	雷 F949	陵 F959	數 F969	涼 F979	黎 F989	蓮 F999	囹 F9A9	惡 F9B9	柳 F9C9	慄 F9D9	里 F9E9	粒 F9F9
A	金 F90A	駱 F91A	浪 F92A	鷺 F93A	壘 F94A	讀 F95A	索 F96A	梁 F97A	力 F98A	連 F99A	寧 F9AA	了 F9BA	流 F9CA	栗 F9DA	離 F9EA	狀 F9FA
B	喇 F90B	亂 F91B	狼 F92B	碌 F93B	屢 F94B	拏 F95B	參 F96B	糧 F97B	曆 F98B	鍊 F99B	嶺 F9AB	僚 F9BB	溜 F9CB	率 F9DB	匿 F9EB	炙 F9FB
C	奈 F90C	卯 F91C	郎 F92C	祿 F93C	樓 F94C	樂 F95C	塞 F96C	良 F97C	歷 F98C	列 F99C	恰 F9AC	寮 F9BC	琉 F9CC	隆 F9DC	溺 F9EC	識 F9FC
D	懶 F90D	欄 F91D	來 F92D	綠 F93D	淚 F94D	諾 F95D	省 F96D	諒 F97D	轢 F98D	劣 F99D	玲 F9AD	尿 F9BD	留 F9CD	利 F9DD	吝 F9ED	什 F9FD
E	癩 F90E	爛 F91E	冷 F92E	菘 F93E	漏 F94E	丹 F95E	葉 F96E	量 F97E	年 F98E	咽 F99E	瑩 F9AE	料 F9BE	硫 F9CE	吏 F9DE	燐 F9EE	荼 F9FE
F	羅 F90F	蘭 F91F	勞 F92F	錄 F93F	累 F94F	寧 F95F	說 F96F	勵 F97F	憐 F98F	烈 F99F	矜 F9AF	樂 F9BF	紐 F9CF	履 F9DF	璘 F9EF	刺 F9FF

	FA0	FA1	FA2	FA3	FA4	FA5	FA6	FA7	FA8	FA9	FAA	FAB	FAC	FAD	FAE	FAF
0	切 FA00	塚 FA10	蘊 FA20	侮 FA30	懲 FA40	祖 FA50	褐 FA60	並 FA70	婢 FA80	敖 FA90	猪 FAA0	練 FAB0	變 FAC0	僭 FAD0		
1	度 FA01	崎 FA11	蚌 FA21	僧 FA31	敏 FA41	祝 FA51	視 FA61	况 FA71	嫵 FA81	晴 FA91	瑱 FAA1	餅 FAB1	贈 FAC1	枕 FAD1		
2	拓 FA02	晴 FA12	諸 FA22	免 FA32	既 FA42	禍 FA52	謁 FA62	全 FA72	廐 FA82	朗 FA92	瓷 FAA2	者 FAB2	輸 FAC2	榔 FAD2		
3	糖 FA03	梔 FA13	尅 FA23	勉 FA33	暑 FA43	禎 FA53	謹 FA63	侷 FA73	虞 FA83	望 FA93	画 FAA3	荒 FAB3	遲 FAC3	盱 FAD3		
4	宅 FA04	榉 FA14	返 FA24	勤 FA34	梅 FA44	穀 FA54	賓 FA64	充 FA74	彩 FA84	杖 FA94	瘰 FAA4	華 FAB4	醜 FAC4	眈 FAD4		
5	洞 FA05	熙 FA15	逸 FA25	卑 FA35	海 FA45	突 FA55	贈 FA65	冀 FA75	徭 FA85	反 FA95	瘟 FAA5	蝨 FAB5	鋤 FAC5	瞭 FAD5		
6	暴 FA06	猪 FA16	都 FA26	喝 FA36	渚 FA46	節 FA56	亾 FA66	勇 FA76	惘 FA86	殺 FA96	益 FAA6	襁 FAB6	階 FAC6	籊 FAD6		
7	輻 FA07	益 FA17	鏹 FA27	嘆 FA37	漢 FA47	練 FA57	逸 FA67	勺 FA77	慎 FA87	流 FA97	盛 FAA7	覆 FAB7	難 FAC7	赳 FAD7		
8	行 FA08	礼 FA18	鏹 FA28	器 FA38	煮 FA48	縉 FA58	難 FA68	喝 FA78	愈 FA88	淫 FA98	直 FAA8	視 FAB8	靖 FAC8	颯 FAD8		
9	降 FA09	神 FA19	隄 FA29	塀 FA39	𠂇 FA49	繁 FA59	響 FA69	陶 FA79	憎 FA89	滋 FA99	眈 FAA9	調 FAB9	鞞 FAC9	龐 FAD9		
A	見 FA0A	祥 FA1A	飯 FA2A	墨 FA3A	琢 FA4A	署 FA5A	頻 FA6A	喙 FA7A	傲 FA8A	漢 FA9A	着 FAAA	諸 FABA	響 FACA			
B	廓 FA0B	福 FA1B	飼 FA2B	層 FA3B	碑 FA4B	者 FA5B	恚 FA6B	嗚 FA7B	懲 FA8B	澣 FA9B	碩 FAAB	請 FABB	頤 FACB			
C	兀 FA0C	靖 FA1C	館 FA2C	中 FA3C	社 FA4C	臭 FA5C	熙 FA6C	塚 FA7C	戴 FA8C	煮 FA9C	褻 FAAC	謁 FABC	頰 FACC			
D	殼 FA0D	精 FA1D	鶴 FA2D	悔 FA3D	社 FA4D	𠂇 FA5D	館 FA6D	墳 FA7D	揄 FA8D	瞧 FA9D	節 FAAD	諾 FABD	鬢 FACD			
E	雙 FA0E	羽 FA1E		慨 FA3E	祈 FA4E	𠂇 FA5E		奄 FA7E	搜 FA8E	爵 FA9E	类 FAAE	諭 FABE	龜 FACE			
F	垆 FA0F	藹 FA1F		憎 FA3F	祐 FA4F	著 FA5F		奔 FA7F	擗 FA8F	犯 FA9F	條 FAAF	謹 FABF	慥 FACF			

**Pronunciation variants from KS X 1001:1998**

F900	豈	CJK COMPATIBILITY IDEOGRAPH-F900 ≡ 8C48 豈	F91E	爛	CJK COMPATIBILITY IDEOGRAPH-F91E ≡ 721B 爛
F901	更	CJK COMPATIBILITY IDEOGRAPH-F901 ≡ 66F4 更	F91F	蘭	CJK COMPATIBILITY IDEOGRAPH-F91F ≡ 862D 蘭
F902	車	CJK COMPATIBILITY IDEOGRAPH-F902 ≡ 8ECA 車	F920	鸞	CJK COMPATIBILITY IDEOGRAPH-F920 ≡ 9E1E 鸞
F903	賈	CJK COMPATIBILITY IDEOGRAPH-F903 ≡ 8CC8 賈	F921	嵐	CJK COMPATIBILITY IDEOGRAPH-F921 ≡ 5D50 嵐
F904	滑	CJK COMPATIBILITY IDEOGRAPH-F904 ≡ 6ED1 滑	F922	濫	CJK COMPATIBILITY IDEOGRAPH-F922 ≡ 6FEB 濫
F905	串	CJK COMPATIBILITY IDEOGRAPH-F905 ≡ 4E32 串	F923	藍	CJK COMPATIBILITY IDEOGRAPH-F923 ≡ 85CD 藍
F906	句	CJK COMPATIBILITY IDEOGRAPH-F906 ≡ 53E5 句	F924	檻	CJK COMPATIBILITY IDEOGRAPH-F924 ≡ 8964 檻
F907	龜	CJK COMPATIBILITY IDEOGRAPH-F907 ≡ 9F9C 龜	F925	拉	CJK COMPATIBILITY IDEOGRAPH-F925 ≡ 62C9 拉
F908	龜	CJK COMPATIBILITY IDEOGRAPH-F908 ≡ 9F9C 龜	F926	臘	CJK COMPATIBILITY IDEOGRAPH-F926 ≡ 81D8 臘
F909	契	CJK COMPATIBILITY IDEOGRAPH-F909 ≡ 5951 契	F927	蠟	CJK COMPATIBILITY IDEOGRAPH-F927 ≡ 881F 蠟
F90A	金	CJK COMPATIBILITY IDEOGRAPH-F90A ≡ 91D1 金	F928	廊	CJK COMPATIBILITY IDEOGRAPH-F928 ≡ 5ECA 廊
F90B	喇	CJK COMPATIBILITY IDEOGRAPH-F90B ≡ 5587 喇	F929	朗	CJK COMPATIBILITY IDEOGRAPH-F929 ≡ 6717 朗
F90C	奈	CJK COMPATIBILITY IDEOGRAPH-F90C ≡ 5948 奈	F92A	浪	CJK COMPATIBILITY IDEOGRAPH-F92A ≡ 6D6A 浪
F90D	懶	CJK COMPATIBILITY IDEOGRAPH-F90D ≡ 61F6 懶	F92B	狼	CJK COMPATIBILITY IDEOGRAPH-F92B ≡ 72FC 狼
F90E	癩	CJK COMPATIBILITY IDEOGRAPH-F90E ≡ 7669 癩	F92C	郎	CJK COMPATIBILITY IDEOGRAPH-F92C ≡ 90CE 郎
F90F	羅	CJK COMPATIBILITY IDEOGRAPH-F90F ≡ 7F85 羅	F92D	來	CJK COMPATIBILITY IDEOGRAPH-F92D ≡ 4F86 來
F910	蘿	CJK COMPATIBILITY IDEOGRAPH-F910 ≡ 863F 蘿	F92E	冷	CJK COMPATIBILITY IDEOGRAPH-F92E ≡ 51B7 冷
F911	螺	CJK COMPATIBILITY IDEOGRAPH-F911 ≡ 87BA 螺	F92F	勞	CJK COMPATIBILITY IDEOGRAPH-F92F ≡ 52DE 勞
F912	裸	CJK COMPATIBILITY IDEOGRAPH-F912 ≡ 88F8 裸	F930	擄	CJK COMPATIBILITY IDEOGRAPH-F930 ≡ 64C4 擄
F913	邏	CJK COMPATIBILITY IDEOGRAPH-F913 ≡ 908F 邏	F931	櫓	CJK COMPATIBILITY IDEOGRAPH-F931 ≡ 6AD3 櫓
F914	樂	CJK COMPATIBILITY IDEOGRAPH-F914 ≡ 6A02 樂	F932	爐	CJK COMPATIBILITY IDEOGRAPH-F932 ≡ 7210 爐
F915	洛	CJK COMPATIBILITY IDEOGRAPH-F915 ≡ 6D1B 洛	F933	盧	CJK COMPATIBILITY IDEOGRAPH-F933 ≡ 76E7 盧
F916	烙	CJK COMPATIBILITY IDEOGRAPH-F916 ≡ 70D9 烙	F934	老	CJK COMPATIBILITY IDEOGRAPH-F934 ≡ 8001 老
F917	珞	CJK COMPATIBILITY IDEOGRAPH-F917 ≡ 73DE 珞	F935	蘆	CJK COMPATIBILITY IDEOGRAPH-F935 ≡ 8606 蘆
F918	落	CJK COMPATIBILITY IDEOGRAPH-F918 ≡ 843D 落	F936	虜	CJK COMPATIBILITY IDEOGRAPH-F936 ≡ 865C 虜
F919	酪	CJK COMPATIBILITY IDEOGRAPH-F919 ≡ 916A 酪	F937	路	CJK COMPATIBILITY IDEOGRAPH-F937 ≡ 8DEF 路
F91A	駱	CJK COMPATIBILITY IDEOGRAPH-F91A ≡ 99F1 駱	F938	露	CJK COMPATIBILITY IDEOGRAPH-F938 ≡ 9732 露
F91B	亂	CJK COMPATIBILITY IDEOGRAPH-F91B ≡ 4E82 亂	F939	魯	CJK COMPATIBILITY IDEOGRAPH-F939 ≡ 9B6F 魯
F91C	卵	CJK COMPATIBILITY IDEOGRAPH-F91C ≡ 5375 卵	F93A	鷺	CJK COMPATIBILITY IDEOGRAPH-F93A ≡ 9DFA 鷺
F91D	欄	CJK COMPATIBILITY IDEOGRAPH-F91D ≡ 6B04 欄	F93B	碌	CJK COMPATIBILITY IDEOGRAPH-F93B ≡ 788C 碌
			F93C	祿	CJK COMPATIBILITY IDEOGRAPH-F93C ≡ 797F 祿

F93D 綠 CJK COMPATIBILITY IDEOGRAPH-F93D  
≡ 7DA0 綠

F93E 菝 CJK COMPATIBILITY IDEOGRAPH-F93E  
≡ 83C9 菝

F93F 錄 CJK COMPATIBILITY IDEOGRAPH-F93F  
≡ 9304 錄

F940 鹿 CJK COMPATIBILITY IDEOGRAPH-F940  
≡ 9E7F 鹿

F941 論 CJK COMPATIBILITY IDEOGRAPH-F941  
≡ 8AD6 論

F942 壘 CJK COMPATIBILITY IDEOGRAPH-F942  
≡ 58DF 壘

F943 弄 CJK COMPATIBILITY IDEOGRAPH-F943  
≡ 5F04 弄

F944 籠 CJK COMPATIBILITY IDEOGRAPH-F944  
≡ 7C60 籠

F945 聾 CJK COMPATIBILITY IDEOGRAPH-F945  
≡ 807E 聾

F946 牢 CJK COMPATIBILITY IDEOGRAPH-F946  
≡ 7262 牢

F947 磊 CJK COMPATIBILITY IDEOGRAPH-F947  
≡ 78CA 磊

F948 賂 CJK COMPATIBILITY IDEOGRAPH-F948  
≡ 8CC2 賂

F949 雷 CJK COMPATIBILITY IDEOGRAPH-F949  
≡ 96F7 雷

F94A 壘 CJK COMPATIBILITY IDEOGRAPH-F94A  
≡ 58D8 壘

F94B 屢 CJK COMPATIBILITY IDEOGRAPH-F94B  
≡ 5C62 屢

F94C 樓 CJK COMPATIBILITY IDEOGRAPH-F94C  
≡ 6A13 樓

F94D 淚 CJK COMPATIBILITY IDEOGRAPH-F94D  
≡ 6DDA 淚

F94E 漏 CJK COMPATIBILITY IDEOGRAPH-F94E  
≡ 6F0F 漏

F94F 累 CJK COMPATIBILITY IDEOGRAPH-F94F  
≡ 7D2F 累

F950 縷 CJK COMPATIBILITY IDEOGRAPH-F950  
≡ 7E37 縷

F951 陋 CJK COMPATIBILITY IDEOGRAPH-F951  
≡ 964B 陋

F952 勒 CJK COMPATIBILITY IDEOGRAPH-F952  
≡ 52D2 勒

F953 肋 CJK COMPATIBILITY IDEOGRAPH-F953  
≡ 808B 肋

F954 凜 CJK COMPATIBILITY IDEOGRAPH-F954  
≡ 51DC 凜

F955 凌 CJK COMPATIBILITY IDEOGRAPH-F955  
≡ 51CC 凌

F956 稜 CJK COMPATIBILITY IDEOGRAPH-F956  
≡ 7A1C 稜

F957 綾 CJK COMPATIBILITY IDEOGRAPH-F957  
≡ 7DBE 綾

F958 菱 CJK COMPATIBILITY IDEOGRAPH-F958  
≡ 83F1 菱

F959 陵 CJK COMPATIBILITY IDEOGRAPH-F959  
≡ 9675 陵

F95A 讀 CJK COMPATIBILITY IDEOGRAPH-F95A  
≡ 8B80 讀

F95B 拏 CJK COMPATIBILITY IDEOGRAPH-F95B  
≡ 62CF 拏

F95C 樂 CJK COMPATIBILITY IDEOGRAPH-F95C  
≡ 6A02 樂

F95D 諾 CJK COMPATIBILITY IDEOGRAPH-F95D  
≡ 8AFE 諾

F95E 丹 CJK COMPATIBILITY IDEOGRAPH-F95E  
≡ 4E39 丹

F95F 寧 CJK COMPATIBILITY IDEOGRAPH-F95F  
≡ 5BE7 寧

F960 怒 CJK COMPATIBILITY IDEOGRAPH-F960  
≡ 6012 怒

F961 率 CJK COMPATIBILITY IDEOGRAPH-F961  
≡ 7387 率

F962 異 CJK COMPATIBILITY IDEOGRAPH-F962  
≡ 7570 異

F963 北 CJK COMPATIBILITY IDEOGRAPH-F963  
≡ 5317 北

F964 礮 CJK COMPATIBILITY IDEOGRAPH-F964  
≡ 78FB 礮

F965 便 CJK COMPATIBILITY IDEOGRAPH-F965  
≡ 4FBF 便

F966 復 CJK COMPATIBILITY IDEOGRAPH-F966  
≡ 5FA9 復

F967 不 CJK COMPATIBILITY IDEOGRAPH-F967  
≡ 4E0D 不

F968 泌 CJK COMPATIBILITY IDEOGRAPH-F968  
≡ 6CCC 泌

F969 數 CJK COMPATIBILITY IDEOGRAPH-F969  
≡ 6578 數

F96A 索 CJK COMPATIBILITY IDEOGRAPH-F96A  
≡ 7D22 索

F96B 參 CJK COMPATIBILITY IDEOGRAPH-F96B  
≡ 53C3 參

F96C 塞 CJK COMPATIBILITY IDEOGRAPH-F96C  
≡ 585E 塞

F96D 省 CJK COMPATIBILITY IDEOGRAPH-F96D  
≡ 7701 省

F96E 葉 CJK COMPATIBILITY IDEOGRAPH-F96E  
≡ 8449 葉

F96F 說 CJK COMPATIBILITY IDEOGRAPH-F96F  
≡ 8AAA 說

F970 殺 CJK COMPATIBILITY IDEOGRAPH-F970  
≡ 6BBA 殺

F971 辰 CJK COMPATIBILITY IDEOGRAPH-F971  
≡ 8FB0 辰

F972 沈 CJK COMPATIBILITY IDEOGRAPH-F972  
≡ 6C88 沈

F973 拾 CJK COMPATIBILITY IDEOGRAPH-F973  
≡ 62FE 拾

F974 若 CJK COMPATIBILITY IDEOGRAPH-F974  
≡ 82E5 若

F975 掠 CJK COMPATIBILITY IDEOGRAPH-F975  
≡ 63A0 掠

F976 略 CJK COMPATIBILITY IDEOGRAPH-F976  
≡ 7565 略

F977 亮 CJK COMPATIBILITY IDEOGRAPH-F977  
≡ 4EAE 亮

F978 兩 CJK COMPATIBILITY IDEOGRAPH-F978  
≡ 5169 兩

F979 涼 CJK COMPATIBILITY IDEOGRAPH-F979  
≡ 51C9 涼

F97A 梁 CJK COMPATIBILITY IDEOGRAPH-F97A  
≡ 6881 梁

F97B	糧	CJK COMPATIBILITY IDEOGRAPH-F97B ≡ 7CE7 糧	F99A	連	CJK COMPATIBILITY IDEOGRAPH-F99A ≡ 9023 連
F97C	良	CJK COMPATIBILITY IDEOGRAPH-F97C ≡ 826F 良	F99B	鍊	CJK COMPATIBILITY IDEOGRAPH-F99B ≡ 934A 鍊
F97D	諒	CJK COMPATIBILITY IDEOGRAPH-F97D ≡ 8AD2 諒	F99C	列	CJK COMPATIBILITY IDEOGRAPH-F99C ≡ 5217 列
F97E	量	CJK COMPATIBILITY IDEOGRAPH-F97E ≡ 91CF 量	F99D	劣	CJK COMPATIBILITY IDEOGRAPH-F99D ≡ 52A3 劣
F97F	勵	CJK COMPATIBILITY IDEOGRAPH-F97F ≡ 52F5 勵	F99E	咽	CJK COMPATIBILITY IDEOGRAPH-F99E ≡ 54BD 咽
F980	呂	CJK COMPATIBILITY IDEOGRAPH-F980 ≡ 5442 呂	F99F	烈	CJK COMPATIBILITY IDEOGRAPH-F99F ≡ 70C8 烈
F981	女	CJK COMPATIBILITY IDEOGRAPH-F981 ≡ 5973 女	F9A0	裂	CJK COMPATIBILITY IDEOGRAPH-F9A0 ≡ 88C2 裂
F982	廬	CJK COMPATIBILITY IDEOGRAPH-F982 ≡ 5EEC 廬	F9A1	說	CJK COMPATIBILITY IDEOGRAPH-F9A1 ≡ 8AAA 說
F983	旅	CJK COMPATIBILITY IDEOGRAPH-F983 ≡ 65C5 旅	F9A2	廉	CJK COMPATIBILITY IDEOGRAPH-F9A2 ≡ 5EC9 廉
F984	濾	CJK COMPATIBILITY IDEOGRAPH-F984 ≡ 6FFE 濾	F9A3	念	CJK COMPATIBILITY IDEOGRAPH-F9A3 ≡ 5FF5 念
F985	礪	CJK COMPATIBILITY IDEOGRAPH-F985 ≡ 792A 礪	F9A4	捻	CJK COMPATIBILITY IDEOGRAPH-F9A4 ≡ 637B 捻
F986	閭	CJK COMPATIBILITY IDEOGRAPH-F986 ≡ 95AD 閭	F9A5	殮	CJK COMPATIBILITY IDEOGRAPH-F9A5 ≡ 6BAE 殮
F987	驪	CJK COMPATIBILITY IDEOGRAPH-F987 ≡ 9A6A 驪	F9A6	簾	CJK COMPATIBILITY IDEOGRAPH-F9A6 ≡ 7C3E 簾
F988	麗	CJK COMPATIBILITY IDEOGRAPH-F988 ≡ 9E97 麗	F9A7	獵	CJK COMPATIBILITY IDEOGRAPH-F9A7 ≡ 7375 獵
F989	黎	CJK COMPATIBILITY IDEOGRAPH-F989 ≡ 9ECE 黎	F9A8	令	CJK COMPATIBILITY IDEOGRAPH-F9A8 ≡ 4EE4 令
F98A	力	CJK COMPATIBILITY IDEOGRAPH-F98A ≡ 529B 力	F9A9	囧	CJK COMPATIBILITY IDEOGRAPH-F9A9 ≡ 56F9 囧
F98B	曆	CJK COMPATIBILITY IDEOGRAPH-F98B ≡ 66C6 曆	F9AA	寧	CJK COMPATIBILITY IDEOGRAPH-F9AA ≡ 5BE7 寧
F98C	歷	CJK COMPATIBILITY IDEOGRAPH-F98C ≡ 6B77 歷	F9AB	嶺	CJK COMPATIBILITY IDEOGRAPH-F9AB ≡ 5DBA 嶺
F98D	轢	CJK COMPATIBILITY IDEOGRAPH-F98D ≡ 8F62 轢	F9AC	怜	CJK COMPATIBILITY IDEOGRAPH-F9AC ≡ 601C 怜
F98E	年	CJK COMPATIBILITY IDEOGRAPH-F98E ≡ 5E74 年	F9AD	玲	CJK COMPATIBILITY IDEOGRAPH-F9AD ≡ 73B2 玲
F98F	憐	CJK COMPATIBILITY IDEOGRAPH-F98F ≡ 6190 憐	F9AE	瑩	CJK COMPATIBILITY IDEOGRAPH-F9AE ≡ 7469 瑩
F990	戀	CJK COMPATIBILITY IDEOGRAPH-F990 ≡ 6200 戀	F9AF	羚	CJK COMPATIBILITY IDEOGRAPH-F9AF ≡ 7F9A 羚
F991	撚	CJK COMPATIBILITY IDEOGRAPH-F991 ≡ 649A 撚	F9B0	聆	CJK COMPATIBILITY IDEOGRAPH-F9B0 ≡ 8046 聆
F992	漣	CJK COMPATIBILITY IDEOGRAPH-F992 ≡ 6F23 漣	F9B1	鈴	CJK COMPATIBILITY IDEOGRAPH-F9B1 ≡ 9234 鈴
F993	煉	CJK COMPATIBILITY IDEOGRAPH-F993 ≡ 7149 煉	F9B2	零	CJK COMPATIBILITY IDEOGRAPH-F9B2 ≡ 96F6 零
F994	璉	CJK COMPATIBILITY IDEOGRAPH-F994 ≡ 7489 璉	F9B3	靈	CJK COMPATIBILITY IDEOGRAPH-F9B3 ≡ 9748 靈
F995	季	CJK COMPATIBILITY IDEOGRAPH-F995 ≡ 79CA 季	F9B4	領	CJK COMPATIBILITY IDEOGRAPH-F9B4 ≡ 9818 領
F996	練	CJK COMPATIBILITY IDEOGRAPH-F996 ≡ 7DF4 練	F9B5	例	CJK COMPATIBILITY IDEOGRAPH-F9B5 ≡ 4F8B 例
F997	聯	CJK COMPATIBILITY IDEOGRAPH-F997 ≡ 806F 聯	F9B6	禮	CJK COMPATIBILITY IDEOGRAPH-F9B6 ≡ 79AE 禮
F998	輦	CJK COMPATIBILITY IDEOGRAPH-F998 ≡ 8F26 輦	F9B7	體	CJK COMPATIBILITY IDEOGRAPH-F9B7 ≡ 91B4 體
F999	蓮	CJK COMPATIBILITY IDEOGRAPH-F999 ≡ 84EE 蓮			



F9B8 隸 CJK COMPATIBILITY IDEOGRAPH-F9B8  
→ 96B7 隸 cjk unified ideograph-96B7  
≡ 96B8 隸

F9B9 惡 CJK COMPATIBILITY IDEOGRAPH-F9B9  
≡ 60E1 惡

F9BA 了 CJK COMPATIBILITY IDEOGRAPH-F9BA  
≡ 4E86 了

F9BB 僚 CJK COMPATIBILITY IDEOGRAPH-F9BB  
≡ 50DA 僚

F9BC 寮 CJK COMPATIBILITY IDEOGRAPH-F9BC  
≡ 5BEE 寮

F9BD 尿 CJK COMPATIBILITY IDEOGRAPH-F9BD  
≡ 5C3F 尿

F9BE 料 CJK COMPATIBILITY IDEOGRAPH-F9BE  
≡ 6599 料

F9BF 樂 CJK COMPATIBILITY IDEOGRAPH-F9BF  
≡ 6A02 樂

F9C0 療 CJK COMPATIBILITY IDEOGRAPH-F9C0  
≡ 71CE 療

F9C1 療 CJK COMPATIBILITY IDEOGRAPH-F9C1  
≡ 7642 療

F9C2 蓼 CJK COMPATIBILITY IDEOGRAPH-F9C2  
≡ 84FC 蓼

F9C3 遼 CJK COMPATIBILITY IDEOGRAPH-F9C3  
≡ 907C 遼

F9C4 龍 CJK COMPATIBILITY IDEOGRAPH-F9C4  
≡ 9F8D 龍

F9C5 暈 CJK COMPATIBILITY IDEOGRAPH-F9C5  
≡ 6688 暈

F9C6 阮 CJK COMPATIBILITY IDEOGRAPH-F9C6  
≡ 962E 阮

F9C7 劉 CJK COMPATIBILITY IDEOGRAPH-F9C7  
≡ 5289 劉

F9C8 杻 CJK COMPATIBILITY IDEOGRAPH-F9C8  
≡ 677B 杻

F9C9 柳 CJK COMPATIBILITY IDEOGRAPH-F9C9  
≡ 67F3 柳

F9CA 流 CJK COMPATIBILITY IDEOGRAPH-F9CA  
≡ 6D41 流

F9CB 溜 CJK COMPATIBILITY IDEOGRAPH-F9CB  
≡ 6E9C 溜

F9CC 琉 CJK COMPATIBILITY IDEOGRAPH-F9CC  
≡ 7409 琉

F9CD 留 CJK COMPATIBILITY IDEOGRAPH-F9CD  
≡ 7559 留

F9CE 硫 CJK COMPATIBILITY IDEOGRAPH-F9CE  
≡ 786B 硫

F9CF 紐 CJK COMPATIBILITY IDEOGRAPH-F9CF  
≡ 7D10 紐

F9D0 類 CJK COMPATIBILITY IDEOGRAPH-F9D0  
≡ 985E 類

F9D1 六 CJK COMPATIBILITY IDEOGRAPH-F9D1  
≡ 516D 六

F9D2 戮 CJK COMPATIBILITY IDEOGRAPH-F9D2  
≡ 622E 戮

F9D3 陸 CJK COMPATIBILITY IDEOGRAPH-F9D3  
≡ 9678 陸

F9D4 倫 CJK COMPATIBILITY IDEOGRAPH-F9D4  
≡ 502B 倫

F9D5 崙 CJK COMPATIBILITY IDEOGRAPH-F9D5  
≡ 5D19 崙

F9D6 淪 CJK COMPATIBILITY IDEOGRAPH-F9D6  
≡ 6DEA 淪

F9D7 輪 CJK COMPATIBILITY IDEOGRAPH-F9D7  
≡ 8F2A 輪

F9D8 律 CJK COMPATIBILITY IDEOGRAPH-F9D8  
≡ 5F8B 律

F9D9 慄 CJK COMPATIBILITY IDEOGRAPH-F9D9  
≡ 6144 慄

F9DA 栗 CJK COMPATIBILITY IDEOGRAPH-F9DA  
≡ 6817 栗

F9DB 率 CJK COMPATIBILITY IDEOGRAPH-F9DB  
≡ 7387 率

F9DC 隆 CJK COMPATIBILITY IDEOGRAPH-F9DC  
≡ 9686 隆

F9DD 利 CJK COMPATIBILITY IDEOGRAPH-F9DD  
≡ 5229 利

F9DE 吏 CJK COMPATIBILITY IDEOGRAPH-F9DE  
≡ 540F 吏

F9DF 履 CJK COMPATIBILITY IDEOGRAPH-F9DF  
≡ 5C65 履

F9E0 易 CJK COMPATIBILITY IDEOGRAPH-F9E0  
≡ 6613 易

F9E1 李 CJK COMPATIBILITY IDEOGRAPH-F9E1  
≡ 674E 李

F9E2 梨 CJK COMPATIBILITY IDEOGRAPH-F9E2  
≡ 68A8 梨

F9E3 泥 CJK COMPATIBILITY IDEOGRAPH-F9E3  
≡ 6CE5 泥

F9E4 理 CJK COMPATIBILITY IDEOGRAPH-F9E4  
≡ 7406 理

F9E5 痢 CJK COMPATIBILITY IDEOGRAPH-F9E5  
≡ 75E2 痢

F9E6 穰 CJK COMPATIBILITY IDEOGRAPH-F9E6  
≡ 7F79 穰

F9E7 裏 CJK COMPATIBILITY IDEOGRAPH-F9E7  
≡ 88CF 裏

F9E8 裡 CJK COMPATIBILITY IDEOGRAPH-F9E8  
≡ 88E1 裡

F9E9 里 CJK COMPATIBILITY IDEOGRAPH-F9E9  
≡ 91CC 里

F9EA 離 CJK COMPATIBILITY IDEOGRAPH-F9EA  
≡ 96E2 離

F9EB 匿 CJK COMPATIBILITY IDEOGRAPH-F9EB  
≡ 533F 匿

F9EC 溺 CJK COMPATIBILITY IDEOGRAPH-F9EC  
≡ 6EBA 溺

F9ED 吝 CJK COMPATIBILITY IDEOGRAPH-F9ED  
≡ 541D 吝

F9EE 磷 CJK COMPATIBILITY IDEOGRAPH-F9EE  
≡ 71D0 磷

F9EF 璘 CJK COMPATIBILITY IDEOGRAPH-F9EF  
≡ 7498 璘

F9F0 藺 CJK COMPATIBILITY IDEOGRAPH-F9F0  
≡ 85FA 藺

F9F1 隣 CJK COMPATIBILITY IDEOGRAPH-F9F1  
≡ 96A3 隣

F9F2 鱗 CJK COMPATIBILITY IDEOGRAPH-F9F2  
≡ 9C57 鱗

F9F3 麟 CJK COMPATIBILITY IDEOGRAPH-F9F3  
≡ 9E9F 麟

F9F4 林 CJK COMPATIBILITY IDEOGRAPH-F9F4  
≡ 6797 林

F9F5	淋	CJK COMPATIBILITY IDEOGRAPH-F9F5 ≡ 6DCB 淋	FA11	崎	CJK COMPATIBILITY IDEOGRAPH-FA11 • a unified CJK ideograph, not a compatibility ideograph, despite its name
F9F6	臨	CJK COMPATIBILITY IDEOGRAPH-F9F6 ≡ 81E8 臨	FA12	晴	CJK COMPATIBILITY IDEOGRAPH-FA12 ≡ 6674 晴
F9F7	立	CJK COMPATIBILITY IDEOGRAPH-F9F7 ≡ 7ACB 立	FA13	嵛	CJK COMPATIBILITY IDEOGRAPH-FA13 • a unified CJK ideograph, not a compatibility ideograph, despite its name
F9F8	笠	CJK COMPATIBILITY IDEOGRAPH-F9F8 ≡ 7B20 笠	FA14	榉	CJK COMPATIBILITY IDEOGRAPH-FA14 • a unified CJK ideograph, not a compatibility ideograph, despite its name
F9F9	粒	CJK COMPATIBILITY IDEOGRAPH-F9F9 ≡ 7C92 粒	FA15	熙	CJK COMPATIBILITY IDEOGRAPH-FA15 ≡ 51DE 熙
F9FA	狀	CJK COMPATIBILITY IDEOGRAPH-F9FA ≡ 72C0 狀	FA16	猪	CJK COMPATIBILITY IDEOGRAPH-FA16 ≡ 732A 猪
F9FB	炙	CJK COMPATIBILITY IDEOGRAPH-F9FB ≡ 7099 炙	FA17	益	CJK COMPATIBILITY IDEOGRAPH-FA17 ≡ 76CA 益
F9FC	識	CJK COMPATIBILITY IDEOGRAPH-F9FC ≡ 8B58 識	FA18	礼	CJK COMPATIBILITY IDEOGRAPH-FA18 ≡ 793C 礼
F9FD	什	CJK COMPATIBILITY IDEOGRAPH-F9FD ≡ 4EC0 什	FA19	神	CJK COMPATIBILITY IDEOGRAPH-FA19 ≡ 795E 神
F9FE	茶	CJK COMPATIBILITY IDEOGRAPH-F9FE ≡ 8336 茶	FA1A	祥	CJK COMPATIBILITY IDEOGRAPH-FA1A ≡ 7965 祥
F9FF	刺	CJK COMPATIBILITY IDEOGRAPH-F9FF ≡ 523A 刺	FA1B	福	CJK COMPATIBILITY IDEOGRAPH-FA1B ≡ 798F 福
FA00	切	CJK COMPATIBILITY IDEOGRAPH-FA00 ≡ 5207 切	FA1C	靖	CJK COMPATIBILITY IDEOGRAPH-FA1C ≡ 9756 靖
FA01	度	CJK COMPATIBILITY IDEOGRAPH-FA01 ≡ 5EA6 度	FA1D	精	CJK COMPATIBILITY IDEOGRAPH-FA1D ≡ 7CBE 精
FA02	拓	CJK COMPATIBILITY IDEOGRAPH-FA02 ≡ 62D3 拓	FA1E	羽	CJK COMPATIBILITY IDEOGRAPH-FA1E ≡ 7FBD 羽
FA03	糖	CJK COMPATIBILITY IDEOGRAPH-FA03 ≡ 7CD6 糖	FA1F	藟	CJK COMPATIBILITY IDEOGRAPH-FA1F • a unified CJK ideograph, not a compatibility ideograph, despite its name
FA04	宅	CJK COMPATIBILITY IDEOGRAPH-FA04 ≡ 5B85 宅	FA20	蘊	CJK COMPATIBILITY IDEOGRAPH-FA20 ≡ 8612 蘊
FA05	洞	CJK COMPATIBILITY IDEOGRAPH-FA05 ≡ 6D1E 洞	FA21	蛙	CJK COMPATIBILITY IDEOGRAPH-FA21 • a unified CJK ideograph, not a compatibility ideograph, despite its name
FA06	暴	CJK COMPATIBILITY IDEOGRAPH-FA06 ≡ 66B4 暴	FA22	諸	CJK COMPATIBILITY IDEOGRAPH-FA22 ≡ 8AF8 諸
FA07	輻	CJK COMPATIBILITY IDEOGRAPH-FA07 ≡ 8F3B 輻	FA23	赴	CJK COMPATIBILITY IDEOGRAPH-FA23 • a unified CJK ideograph, not a compatibility ideograph, despite its name
FA08	行	CJK COMPATIBILITY IDEOGRAPH-FA08 ≡ 884C 行	FA24	返	CJK COMPATIBILITY IDEOGRAPH-FA24 • a unified CJK ideograph, not a compatibility ideograph, despite its name
FA09	降	CJK COMPATIBILITY IDEOGRAPH-FA09 ≡ 964D 降	FA25	逸	CJK COMPATIBILITY IDEOGRAPH-FA25 ≡ 9038 逸
FA0A	見	CJK COMPATIBILITY IDEOGRAPH-FA0A ≡ 898B 見	FA26	都	CJK COMPATIBILITY IDEOGRAPH-FA26 ≡ 90FD 都
FA0B	廓	CJK COMPATIBILITY IDEOGRAPH-FA0B ≡ 5ED3 廓	FA27	銚	CJK COMPATIBILITY IDEOGRAPH-FA27 • a unified CJK ideograph, not a compatibility ideograph, despite its name
<b>Duplicate characters from Big 5</b>			FA28	銚	CJK COMPATIBILITY IDEOGRAPH-FA28 • a unified CJK ideograph, not a compatibility ideograph, despite its name
FA0C	兀	CJK COMPATIBILITY IDEOGRAPH-FA0C ≡ 5140 兀	FA29	隲	CJK COMPATIBILITY IDEOGRAPH-FA29 • a unified CJK ideograph, not a compatibility ideograph, despite its name
FA0D	殼	CJK COMPATIBILITY IDEOGRAPH-FA0D ≡ 55C0 殼	FA2A	飯	CJK COMPATIBILITY IDEOGRAPH-FA2A ≡ 98EF 飯
<b>The IBM 32 compatibility ideographs</b>					
FA0E	雙	CJK COMPATIBILITY IDEOGRAPH-FA0E • a unified CJK ideograph, not a compatibility ideograph, despite its name			
FA0F	垆	CJK COMPATIBILITY IDEOGRAPH-FA0F • a unified CJK ideograph, not a compatibility ideograph, despite its name			
FA10	塚	CJK COMPATIBILITY IDEOGRAPH-FA10 ≡ 585A 塚			

FA2B 飼 CJK COMPATIBILITY IDEOGRAPH-FA2B  
≡ 98FC 飼

FA2C 館 CJK COMPATIBILITY IDEOGRAPH-FA2C  
≡ 9928 館

FA2D 鶴 CJK COMPATIBILITY IDEOGRAPH-FA2D  
≡ 9DB4 鶴

**JIS X 0213 compatibility ideographs**

FA30 侮 CJK COMPATIBILITY IDEOGRAPH-FA30  
≡ 4FAE 侮

FA31 僧 CJK COMPATIBILITY IDEOGRAPH-FA31  
≡ 50E7 僧

FA32 免 CJK COMPATIBILITY IDEOGRAPH-FA32  
≡ 514D 免

FA33 勉 CJK COMPATIBILITY IDEOGRAPH-FA33  
≡ 52C9 勉

FA34 勤 CJK COMPATIBILITY IDEOGRAPH-FA34  
≡ 52E4 勤

FA35 卑 CJK COMPATIBILITY IDEOGRAPH-FA35  
≡ 5351 卑

FA36 喝 CJK COMPATIBILITY IDEOGRAPH-FA36  
≡ 559D 喝

FA37 嘆 CJK COMPATIBILITY IDEOGRAPH-FA37  
≡ 5606 嘆

FA38 器 CJK COMPATIBILITY IDEOGRAPH-FA38  
≡ 5668 器

FA39 塀 CJK COMPATIBILITY IDEOGRAPH-FA39  
≡ 5840 塀

FA3A 墨 CJK COMPATIBILITY IDEOGRAPH-FA3A  
≡ 58A8 墨

FA3B 層 CJK COMPATIBILITY IDEOGRAPH-FA3B  
≡ 5C64 層

FA3C 中 CJK COMPATIBILITY IDEOGRAPH-FA3C  
≡ 5C6E 中

FA3D 悔 CJK COMPATIBILITY IDEOGRAPH-FA3D  
≡ 6094 悔

FA3E 慨 CJK COMPATIBILITY IDEOGRAPH-FA3E  
≡ 6168 慨

FA3F 憎 CJK COMPATIBILITY IDEOGRAPH-FA3F  
≡ 618E 憎

FA40 懲 CJK COMPATIBILITY IDEOGRAPH-FA40  
≡ 61F2 懲

FA41 敏 CJK COMPATIBILITY IDEOGRAPH-FA41  
≡ 654F 敏

FA42 既 CJK COMPATIBILITY IDEOGRAPH-FA42  
≡ 65E2 既

FA43 暑 CJK COMPATIBILITY IDEOGRAPH-FA43  
≡ 6691 暑

FA44 梅 CJK COMPATIBILITY IDEOGRAPH-FA44  
≡ 6885 梅

FA45 海 CJK COMPATIBILITY IDEOGRAPH-FA45  
≡ 6D77 海

FA46 渚 CJK COMPATIBILITY IDEOGRAPH-FA46  
≡ 6E1A 渚

FA47 漢 CJK COMPATIBILITY IDEOGRAPH-FA47  
≡ 6F22 漢

FA48 煮 CJK COMPATIBILITY IDEOGRAPH-FA48  
≡ 716E 煮

FA49 𪗇 CJK COMPATIBILITY IDEOGRAPH-FA49  
≡ 722B 𪗇

FA4A 琢 CJK COMPATIBILITY IDEOGRAPH-FA4A  
≡ 7422 琢

FA4B 碑 CJK COMPATIBILITY IDEOGRAPH-FA4B  
≡ 7891 碑

FA4C 社 CJK COMPATIBILITY IDEOGRAPH-FA4C  
≡ 793E 社

FA4D 祉 CJK COMPATIBILITY IDEOGRAPH-FA4D  
≡ 7949 祉

FA4E 祈 CJK COMPATIBILITY IDEOGRAPH-FA4E  
≡ 7948 祈

FA4F 祐 CJK COMPATIBILITY IDEOGRAPH-FA4F  
≡ 7950 祐

FA50 祖 CJK COMPATIBILITY IDEOGRAPH-FA50  
≡ 7956 祖

FA51 祝 CJK COMPATIBILITY IDEOGRAPH-FA51  
≡ 795D 祝

FA52 禍 CJK COMPATIBILITY IDEOGRAPH-FA52  
≡ 798D 禍

FA53 禎 CJK COMPATIBILITY IDEOGRAPH-FA53  
≡ 798E 禎

FA54 穀 CJK COMPATIBILITY IDEOGRAPH-FA54  
≡ 7A40 穀

FA55 突 CJK COMPATIBILITY IDEOGRAPH-FA55  
≡ 7A81 突

FA56 節 CJK COMPATIBILITY IDEOGRAPH-FA56  
≡ 7BC0 節

FA57 練 CJK COMPATIBILITY IDEOGRAPH-FA57  
≡ 7DF4 練

FA58 縉 CJK COMPATIBILITY IDEOGRAPH-FA58  
≡ 7E09 縉

FA59 繁 CJK COMPATIBILITY IDEOGRAPH-FA59  
≡ 7E41 繁

FA5A 署 CJK COMPATIBILITY IDEOGRAPH-FA5A  
≡ 7F72 署

FA5B 者 CJK COMPATIBILITY IDEOGRAPH-FA5B  
≡ 8005 者

FA5C 臭 CJK COMPATIBILITY IDEOGRAPH-FA5C  
≡ 81ED 臭

FA5D 𪗇 CJK COMPATIBILITY IDEOGRAPH-FA5D  
≡ 8279 𪗇

FA5E 𪗇 CJK COMPATIBILITY IDEOGRAPH-FA5E  
≡ 8279 𪗇

FA5F 著 CJK COMPATIBILITY IDEOGRAPH-FA5F  
≡ 8457 著

FA60 褐 CJK COMPATIBILITY IDEOGRAPH-FA60  
≡ 8910 褐

FA61 視 CJK COMPATIBILITY IDEOGRAPH-FA61  
≡ 8996 視

FA62 謁 CJK COMPATIBILITY IDEOGRAPH-FA62  
≡ 8B01 謁

FA63 謹 CJK COMPATIBILITY IDEOGRAPH-FA63  
≡ 8B39 謹

FA64 賓 CJK COMPATIBILITY IDEOGRAPH-FA64  
≡ 8CD3 賓

FA65 贈 CJK COMPATIBILITY IDEOGRAPH-FA65  
≡ 8D08 贈

FA66 𪗇 CJK COMPATIBILITY IDEOGRAPH-FA66  
≡ 8FB6 𪗇

FA67 逸 CJK COMPATIBILITY IDEOGRAPH-FA67  
≡ 9038 逸

FA68 難 CJK COMPATIBILITY IDEOGRAPH-FA68  
≡ 96E3 難

FA69 響 CJK COMPATIBILITY IDEOGRAPH-FA69  
≡ 97FF 響

FA6A 頻 CJK COMPATIBILITY IDEOGRAPH-FA6A  
≡ 983B 頻

**ARIB compatibility ideographs**

FA6B 憲 CJK COMPATIBILITY IDEOGRAPH-FA6B  
≡ 6075 憲

FA6C 熙 CJK COMPATIBILITY IDEOGRAPH-FA6C  
≡ 242EE 熙

FA6D 館 CJK COMPATIBILITY IDEOGRAPH-FA6D  
≡ 8218 館

**DPRK compatibility ideographs**

FA70 並 CJK COMPATIBILITY IDEOGRAPH-FA70  
≡ 4E26 並

FA71 况 CJK COMPATIBILITY IDEOGRAPH-FA71  
≡ 51B5 况

FA72 全 CJK COMPATIBILITY IDEOGRAPH-FA72  
≡ 5168 全

FA73 侗 CJK COMPATIBILITY IDEOGRAPH-FA73  
≡ 4F80 侗

FA74 充 CJK COMPATIBILITY IDEOGRAPH-FA74  
≡ 5145 充

FA75 冀 CJK COMPATIBILITY IDEOGRAPH-FA75  
≡ 5180 冀

FA76 勇 CJK COMPATIBILITY IDEOGRAPH-FA76  
≡ 52C7 勇

FA77 勺 CJK COMPATIBILITY IDEOGRAPH-FA77  
≡ 52FA 勺

FA78 喝 CJK COMPATIBILITY IDEOGRAPH-FA78  
≡ 559D 喝

FA79 啣 CJK COMPATIBILITY IDEOGRAPH-FA79  
≡ 5555 啣

FA7A 喙 CJK COMPATIBILITY IDEOGRAPH-FA7A  
≡ 5599 喙

FA7B 嗝 CJK COMPATIBILITY IDEOGRAPH-FA7B  
≡ 55E2 嗝

FA7C 塚 CJK COMPATIBILITY IDEOGRAPH-FA7C  
≡ 585A 塚

FA7D 墳 CJK COMPATIBILITY IDEOGRAPH-FA7D  
≡ 58B3 墳

FA7E 奄 CJK COMPATIBILITY IDEOGRAPH-FA7E  
≡ 5944 奄

FA7F 奔 CJK COMPATIBILITY IDEOGRAPH-FA7F  
≡ 5954 奔

FA80 婢 CJK COMPATIBILITY IDEOGRAPH-FA80  
≡ 5A62 婢

FA81 嫫 CJK COMPATIBILITY IDEOGRAPH-FA81  
≡ 5B28 嫫

FA82 廐 CJK COMPATIBILITY IDEOGRAPH-FA82  
≡ 5ED2 廐

FA83 廩 CJK COMPATIBILITY IDEOGRAPH-FA83  
≡ 5ED9 廩

FA84 彩 CJK COMPATIBILITY IDEOGRAPH-FA84  
≡ 5F69 彩

FA85 徯 CJK COMPATIBILITY IDEOGRAPH-FA85  
≡ 5FAD 徯

FA86 惘 CJK COMPATIBILITY IDEOGRAPH-FA86  
≡ 60D8 惘

FA87 慎 CJK COMPATIBILITY IDEOGRAPH-FA87  
≡ 614E 慎

FA88 愈 CJK COMPATIBILITY IDEOGRAPH-FA88  
≡ 6108 愈

FA89 憎 CJK COMPATIBILITY IDEOGRAPH-FA89  
≡ 618E 憎

FA8A 傲 CJK COMPATIBILITY IDEOGRAPH-FA8A  
≡ 6160 傲

FA8B 懲 CJK COMPATIBILITY IDEOGRAPH-FA8B  
≡ 61F2 懲

FA8C 戴 CJK COMPATIBILITY IDEOGRAPH-FA8C  
≡ 6234 戴

FA8D 揄 CJK COMPATIBILITY IDEOGRAPH-FA8D  
≡ 63C4 揄

FA8E 搜 CJK COMPATIBILITY IDEOGRAPH-FA8E  
≡ 641C 搜

FA8F 摒 CJK COMPATIBILITY IDEOGRAPH-FA8F  
≡ 6452 摒

FA90 敖 CJK COMPATIBILITY IDEOGRAPH-FA90  
≡ 6556 敖

FA91 晴 CJK COMPATIBILITY IDEOGRAPH-FA91  
≡ 6674 晴

FA92 朗 CJK COMPATIBILITY IDEOGRAPH-FA92  
≡ 6717 朗

FA93 望 CJK COMPATIBILITY IDEOGRAPH-FA93  
≡ 671B 望

FA94 杖 CJK COMPATIBILITY IDEOGRAPH-FA94  
≡ 6756 杖

FA95 歹 CJK COMPATIBILITY IDEOGRAPH-FA95  
≡ 6B79 歹

FA96 殺 CJK COMPATIBILITY IDEOGRAPH-FA96  
≡ 6BBA 殺

FA97 流 CJK COMPATIBILITY IDEOGRAPH-FA97  
≡ 6D41 流

FA98 滯 CJK COMPATIBILITY IDEOGRAPH-FA98  
≡ 6EDB 滯

FA99 滋 CJK COMPATIBILITY IDEOGRAPH-FA99  
≡ 6ECB 滋

FA9A 漢 CJK COMPATIBILITY IDEOGRAPH-FA9A  
≡ 6F22 漢

FA9B 澣 CJK COMPATIBILITY IDEOGRAPH-FA9B  
≡ 701E 澣

FA9C 煮 CJK COMPATIBILITY IDEOGRAPH-FA9C  
≡ 716E 煮

FA9D 瞧 CJK COMPATIBILITY IDEOGRAPH-FA9D  
≡ 77A7 瞧

FA9E 爵 CJK COMPATIBILITY IDEOGRAPH-FA9E  
≡ 7235 爵

FA9F 犯 CJK COMPATIBILITY IDEOGRAPH-FA9F  
≡ 72AF 犯

FAA0 猪 CJK COMPATIBILITY IDEOGRAPH-FAA0  
≡ 732A 猪

FAA1 瑱 CJK COMPATIBILITY IDEOGRAPH-FAA1  
≡ 7471 瑱

FAA2 瓷 CJK COMPATIBILITY IDEOGRAPH-FAA2  
≡ 7506 瓷

FAA3 画 CJK COMPATIBILITY IDEOGRAPH-FAA3  
≡ 753B 画

FAA4 瘰 CJK COMPATIBILITY IDEOGRAPH-FAA4  
≡ 761D 瘰

FAA5 瘟 CJK COMPATIBILITY IDEOGRAPH-FAA5  
≡ 761F 瘟

FAA6 益 CJK COMPATIBILITY IDEOGRAPH-FAA6  
≡ 76CA 益

FAA7 盛 CJK COMPATIBILITY IDEOGRAPH-FAA7  
≡ 76DB 盛

FAA8 直 CJK COMPATIBILITY IDEOGRAPH-FAA8  
 ≡ 76F4 直  
 FAA9 眴 CJK COMPATIBILITY IDEOGRAPH-FAA9  
 ≡ 774A 眴  
 FAAA 着 CJK COMPATIBILITY IDEOGRAPH-FAAA  
 ≡ 7740 着  
 FAAB 磧 CJK COMPATIBILITY IDEOGRAPH-FAAB  
 ≡ 78CC 磧  
 FAAC 窰 CJK COMPATIBILITY IDEOGRAPH-FAAC  
 ≡ 7AB1 窰  
 FAAD 節 CJK COMPATIBILITY IDEOGRAPH-FAAD  
 ≡ 7BC0 節  
 FAAE 类 CJK COMPATIBILITY IDEOGRAPH-FAAE  
 ≡ 7C7B 类  
 FAAF 條 CJK COMPATIBILITY IDEOGRAPH-FAAF  
 ≡ 7D5B 條  
 FAB0 練 CJK COMPATIBILITY IDEOGRAPH-FAB0  
 ≡ 7DF4 練  
 FAB1 餅 CJK COMPATIBILITY IDEOGRAPH-FAB1  
 ≡ 7F3E 餅  
 FAB2 者 CJK COMPATIBILITY IDEOGRAPH-FAB2  
 ≡ 8005 者  
 FAB3 荒 CJK COMPATIBILITY IDEOGRAPH-FAB3  
 ≡ 8352 荒  
 FAB4 華 CJK COMPATIBILITY IDEOGRAPH-FAB4  
 ≡ 83EF 華  
 FAB5 蠮 CJK COMPATIBILITY IDEOGRAPH-FAB5  
 ≡ 8779 蠮  
 FAB6 襪 CJK COMPATIBILITY IDEOGRAPH-FAB6  
 ≡ 8941 襪  
 FAB7 覆 CJK COMPATIBILITY IDEOGRAPH-FAB7  
 ≡ 8986 覆  
 FAB8 視 CJK COMPATIBILITY IDEOGRAPH-FAB8  
 ≡ 8996 視  
 FAB9 調 CJK COMPATIBILITY IDEOGRAPH-FAB9  
 ≡ 8ABF 調  
 FABA 諸 CJK COMPATIBILITY IDEOGRAPH-FABA  
 ≡ 8AF8 諸  
 FABB 請 CJK COMPATIBILITY IDEOGRAPH-FABB  
 ≡ 8ACB 請  
 FABC 謁 CJK COMPATIBILITY IDEOGRAPH-FABC  
 ≡ 8B01 謁  
 FABD 諾 CJK COMPATIBILITY IDEOGRAPH-FABD  
 ≡ 8AFE 諾  
 FABE 諭 CJK COMPATIBILITY IDEOGRAPH-FABE  
 ≡ 8AED 諭  
 FABF 謹 CJK COMPATIBILITY IDEOGRAPH-FABF  
 ≡ 8B39 謹  
 FAC0 變 CJK COMPATIBILITY IDEOGRAPH-FAC0  
 ≡ 8B8A 變  
 FAC1 贈 CJK COMPATIBILITY IDEOGRAPH-FAC1  
 ≡ 8D08 贈  
 FAC2 輸 CJK COMPATIBILITY IDEOGRAPH-FAC2  
 ≡ 8F38 輸  
 FAC3 遲 CJK COMPATIBILITY IDEOGRAPH-FAC3  
 ≡ 9072 遲  
 FAC4 醜 CJK COMPATIBILITY IDEOGRAPH-FAC4  
 ≡ 9199 醜  
 FAC5 鉶 CJK COMPATIBILITY IDEOGRAPH-FAC5  
 ≡ 9276 鉶  
 FAC6 陔 CJK COMPATIBILITY IDEOGRAPH-FAC6  
 ≡ 967C 陔

FAC7 難 CJK COMPATIBILITY IDEOGRAPH-FAC7  
 ≡ 96E3 難  
 FAC8 靖 CJK COMPATIBILITY IDEOGRAPH-FAC8  
 ≡ 9756 靖  
 FAC9 鞞 CJK COMPATIBILITY IDEOGRAPH-FAC9  
 ≡ 97DB 鞞  
 FACA 響 CJK COMPATIBILITY IDEOGRAPH-FACA  
 ≡ 97FF 響  
 FACB 頤 CJK COMPATIBILITY IDEOGRAPH-FACB  
 ≡ 980B 頤  
 FACD 頻 CJK COMPATIBILITY IDEOGRAPH-FACD  
 ≡ 983B 頻  
 FACD 鬢 CJK COMPATIBILITY IDEOGRAPH-FACD  
 ≡ 9B12 鬢  
 FACE 龜 CJK COMPATIBILITY IDEOGRAPH-FACE  
 ≡ 9F9C 龜  
 FACF 慥 CJK COMPATIBILITY IDEOGRAPH-FACF  
 ≡ 2284A 慥  
 FAD0 憺 CJK COMPATIBILITY IDEOGRAPH-FAD0  
 ≡ 22844 憺  
 FAD1 枕 CJK COMPATIBILITY IDEOGRAPH-FAD1  
 ≡ 233D5 枕  
 FAD2 榔 CJK COMPATIBILITY IDEOGRAPH-FAD2  
 ≡ 3B9D 榔  
 FAD3 盱 CJK COMPATIBILITY IDEOGRAPH-FAD3  
 ≡ 4018 盱  
 FAD4 映 CJK COMPATIBILITY IDEOGRAPH-FAD4  
 ≡ 4039 映  
 FAD5 瞭 CJK COMPATIBILITY IDEOGRAPH-FAD5  
 ≡ 25249 瞭  
 FAD6 簡 CJK COMPATIBILITY IDEOGRAPH-FAD6  
 ≡ 25CD0 簡  
 FAD7 趲 CJK COMPATIBILITY IDEOGRAPH-FAD7  
 ≡ 27ED3 趲  
 FAD8 覬 CJK COMPATIBILITY IDEOGRAPH-FAD8  
 ≡ 9F43 覬  
 FAD9 龐 CJK COMPATIBILITY IDEOGRAPH-FAD9  
 ≡ 9F8E 龐

	FB0	FB1	FB2	FB3	FB4
0	ff FB00		ע FB20	א FB30	נ FB40
1	fi FB01		א FB21	ב FB31	ס FB41
2	fi FB02		ד FB22	ג FB32	
3	ffi FB03	ם FB13	ה FB23	ד FB33	ך FB43
4	ffi FB04	ם FB14	ט FB24	ה FB34	פ FB44
5	fit FB05	ם FB15	ל FB25	ו FB35	
6	st FB06	ם FB16	ם FB26	ז FB36	צ FB46
7		ם FB17	ר FB27		ק FB47
8			ת FB28	ט FB38	ך FB48
9			ת FB29	י FB39	ש FB49
A			ש FB2A	ך FB3A	ת FB4A
B			ש FB2B	כ FB3B	ו FB4B
C			ש FB2C	ל FB3C	ב FB4C
D		? FB1D	ש FB2D		כ FB4D
E		װ FB1E	א FB2E	פ FB3E	פ FB4E
F		װ FB1F	א FB2F		א FB4F

**Latin ligatures**

See the *Basic Latin* block starting at 0020

FB00	ff	LATIN SMALL LIGATURE FF ≈ 0066 f 0066 f
FB01	fi	LATIN SMALL LIGATURE FI ≈ 0066 f 0069 i
FB02	fl	LATIN SMALL LIGATURE FL ≈ 0066 f 006C l
FB03	ffi	LATIN SMALL LIGATURE FFI ≈ 0066 f 0066 f 0069 i
FB04	ffl	LATIN SMALL LIGATURE FFL ≈ 0066 f 0066 f 006C l
FB05	ft	LATIN SMALL LIGATURE LONG S T ≈ 017F f 0074 t
FB06	st	LATIN SMALL LIGATURE ST ≈ 0073 s 0074 t

**Armenian ligatures**

See the *Armenian* block starting at 0530

FB13	մի	ARMENIAN SMALL LIGATURE MEN NOW ≈ 0574 մ 0576 ի
FB14	մե	ARMENIAN SMALL LIGATURE MEN ECH ≈ 0574 մ 0565 ե
FB15	մի	ARMENIAN SMALL LIGATURE MEN INI ≈ 0574 մ 056B ի
FB16	վի	ARMENIAN SMALL LIGATURE VEW NOW ≈ 057E վ 0576 ի
FB17	վի	ARMENIAN SMALL LIGATURE MEN XEH ≈ 0574 մ 056D ի

**Hebrew presentation forms**

See the *Hebrew* block starting at 0590

FB1D	ׁ	HEBREW LETTER YOD WITH HIRIQ ≡ 05D9 ׁ 05B4 ם
FB1E	׃	HEBREW POINT JUDEO-SPANISH VARIKA • a glyph variant of 05BF ׃
FB1F	ׂ	HEBREW LIGATURE YIDDISH YOD YOD PATAH ≡ 05F2 ׂ 05B7 ם
FB20	׃	HEBREW LETTER ALTERNATIVE AYIN • this form of AYIN has no descender, for use with marks placed below the letter ≈ <font> 05E2 ׃ hebrew letter ayin
FB21	׀	HEBREW LETTER WIDE ALEF ≈ <font> 05D0 ׀ hebrew letter alef
FB22	ׁ	HEBREW LETTER WIDE DALET ≈ <font> 05D3 ׁ hebrew letter dalet
FB23	ׂ	HEBREW LETTER WIDE HE ≈ <font> 05D4 ׂ hebrew letter he
FB24	׃	HEBREW LETTER WIDE KAF ≈ <font> 05DB ׃ hebrew letter kaf
FB25	ׄ	HEBREW LETTER WIDE LAMED ≈ <font> 05DC ׄ hebrew letter lamed
FB26	ׅ	HEBREW LETTER WIDE FINAL MEM ≈ <font> 05DD ׅ hebrew letter final mem
FB27	׆	HEBREW LETTER WIDE RESH ≈ <font> 05E8 ׆ hebrew letter resh
FB28	ׇ	HEBREW LETTER WIDE TAV ≈ <font> 05EA ׇ hebrew letter tav
FB29	⊕	HEBREW LETTER ALTERNATIVE PLUS SIGN ≈ <font> 002B ⊕ plus sign
FB2A	׀ׁ	HEBREW LETTER SHIN WITH SHIN DOT ≡ 05E9 ׀ׁ 05C1 ם

FB2B	׀ׂ	HEBREW LETTER SHIN WITH SIN DOT ≡ 05E9 ׀ׂ 05C2 ם
FB2C	׀׃	HEBREW LETTER SHIN WITH DAGESH AND SHIN DOT ≡ FB49 ׀׃ 05C1 ם
FB2D	׀ׄ	HEBREW LETTER SHIN WITH DAGESH AND SIN DOT ≡ FB49 ׀ׄ 05C2 ם
FB2E	׀	HEBREW LETTER ALEF WITH PATAH ≡ 05D0 ׀ 05B7 ם
FB2F	ׁ	HEBREW LETTER ALEF WITH QAMATS ≡ 05D0 ׁ 05B8 ם
FB30	ׂ	HEBREW LETTER ALEF WITH MAPIQ ≡ 05D0 ׂ 05BC ם
FB31	׃	HEBREW LETTER BET WITH DAGESH ≡ 05D1 ׃ 05BC ם
FB32	ׄ	HEBREW LETTER GIMEL WITH DAGESH ≡ 05D2 ׄ 05BC ם
FB33	ׅ	HEBREW LETTER DALET WITH DAGESH ≡ 05D3 ׅ 05BC ם
FB34	׆	HEBREW LETTER HE WITH MAPIQ ≡ 05D4 ׆ 05BC ם
FB35	ׇ	HEBREW LETTER VAV WITH DAGESH ≡ 05D5 ׇ 05BC ם
FB36	׈	HEBREW LETTER ZAYIN WITH DAGESH ≡ 05D6 ׈ 05BC ם
FB37	⊠	<reserved>
FB38	׀׃	HEBREW LETTER TET WITH DAGESH ≡ 05D8 ׀׃ 05BC ם
FB39	ׄ׃	HEBREW LETTER YOD WITH DAGESH ≡ 05D9 ׄ׃ 05BC ם
FB3A	׀ׄ׃	HEBREW LETTER FINAL KAF WITH DAGESH ≡ 05DA ׀ׄ׃ 05BC ם
FB3B	׃	HEBREW LETTER KAF WITH DAGESH ≡ 05DB ׃ 05BC ם
FB3C	ׄ׃	HEBREW LETTER LAMED WITH DAGESH ≡ 05DC ׄ׃ 05BC ם
FB3D	⊠	<reserved>
FB3E	ׅ׃	HEBREW LETTER MEM WITH DAGESH ≡ 05DE ׅ׃ 05BC ם
FB3F	⊠	<reserved>
FB40	׆׃	HEBREW LETTER NUN WITH DAGESH ≡ 05E0 ׆׃ 05BC ם
FB41	ׇ׃	HEBREW LETTER SAMEKH WITH DAGESH ≡ 05E1 ׇ׃ 05BC ם
FB42	⊠	<reserved>
FB43	׈׃	HEBREW LETTER FINAL PE WITH DAGESH ≡ 05E3 ׈׃ 05BC ם
FB44	ׄ׃	HEBREW LETTER PE WITH DAGESH ≡ 05E4 ׄ׃ 05BC ם
FB45	⊠	<reserved>
FB46	׀׃ׁ	HEBREW LETTER TSADI WITH DAGESH ≡ 05E6 ׀׃ׁ 05BC ם
FB47	׀׃ׂ	HEBREW LETTER QOF WITH DAGESH ≡ 05E7 ׀׃ׂ 05BC ם
FB48	ׁ׃	HEBREW LETTER RESH WITH DAGESH ≡ 05E8 ׁ׃ 05BC ם
FB49	ׂ׃	HEBREW LETTER SHIN WITH DAGESH ≡ 05E9 ׂ׃ 05BC ם
FB4A	׃ׁ	HEBREW LETTER TAV WITH DAGESH ≡ 05EA ׃ׁ 05BC ם

FB4B ם HEBREW LETTER VAV WITH HOLAM  
 ≡ 05D5 ם 05B9 ם  
 FB4C ך HEBREW LETTER BET WITH RAFA  
 ≡ 05D1 ך 05BF ם  
 FB4D ך HEBREW LETTER KAF WITH RAFA  
 ≡ 05DB ך 05BF ם  
 FB4E ם HEBREW LETTER PE WITH RAFA  
 ≡ 05E4 ם 05BF ם  
 FB4F ם HEBREW LIGATURE ALEF LAMED  
 ≈ 05D0 ם 05DC ם



	FB5	FB6	FB7	FB8	FB9	FBA	FBB	FBC	FBD	FBE	FBF	FC0	FC1	FC2	FC3
0	ا FB50	ب FB60	ت FB70	ث FB80	ج FB90	ح FBA0	خ FBB0			و FBE0	ز FBF0	حج FC00	تي FC10	هم FC20	فم FC30
1	آ FB51	ب FB61	ت FB71	ث FB81	ج FB91	ح FBA1	خ FBB1			و FBE1	ز FBF1	حج FC01	تي FC11	هم FC21	في FC31
2	پ FB52	ق FB62	ك FB72	ل FB82	م FB92	ن FBA2				و FBE2	ز FBF2	م FC02	شم FC12	نهم FC22	في FC32
3	پ FB53	ق FB63	ك FB73	ل FB83	م FB93	ن FBA3			ث FBD3	و FBE3	ز FBF3	ن FC03	ثي FC13	نهم FC23	قطه FC33
4	پ FB54	ق FB64	ك FB74	ل FB84	م FB94	ن FBA4			ث FBD4	بي FBE4	ز FBF4	بي FC04	بي FC14	نهم FC24	قم FC34
5	پ FB55	ق FB65	ك FB75	ل FB85	م FB95	ن FBA5			ث FBD5	بي FBE5	ز FBF5	حج FC05	هم FC15	هم FC25	قه FC35
6	پ FB56	ق FB66	ك FB76	ل FB86	م FB96	ن FBA6			ث FBD6	بي FBE6	ز FBF6	حج FC06	هم FC16	هم FC26	قبي FC36
7	پ FB57	ق FB67	ك FB77	ل FB87	م FB97	ن FBA7			و FBD7	بي FBE7	ز FBF7	حج FC07	هم FC17	هم FC27	ك FC37
8	پ FB58	ق FB68	ك FB78	ل FB88	م FB98	ن FBA8			و FBD8	د FBE8	بي FBF8	ن FC08	هم FC18	هم FC28	نهم FC38
9	پ FB59	ق FB69	ك FB79	ل FB89	م FB99	ن FBA9			و FBD9	د FBE9	بي FBF9	بي FC09	نهم FC19	هم FC29	نهم FC39
A	پ FB5A	ق FB6A	ك FB7A	ل FB8A	م FB9A	ن FBAA			و FBDa	ت FBEa	بي FBFa	بي FC0a	نهم FC1a	هم FC2a	نهم FC3a
B	پ FB5B	ق FB6B	ك FB7B	ل FB8B	م FB9B	ن FBAB			و FBDb	ت FBEb	بي FBFb	نهم FC0b	هم FC1b	هم FC2b	ك FC3b
C	پ FB5C	ق FB6C	ك FB7C	ل FB8C	م FB9C	ن FBAC			و FBDc	د FBEc	بي FBFc	حج FC0c	نهم FC1c	هم FC2c	هم FC3c
D	پ FB5D	ق FB6D	ك FB7D	ل FB8D	م FB9D	ن FBAD			و FBDd	د FBEd	بي FBFd	حج FC0d	نهم FC1d	هم FC2d	هم FC3d
E	ت FB5E	ق FB6E	ك FB7E	ل FB8E	م FB9E	ن FBAE			و FBDe	ز FBEe	بي FBFe	م FC0e	نهم FC1e	هم FC2e	بي FC3e
F	ت FB5F	ق FB6F	ك FB7F	ل FB8F	م FB9F	ن FBAF			و FBDf	ز FBEf	بي FBFf	تي FC0f	هم FC1f	هم FC2f	نهم FC3f

	FC4	FC5	FC6	FC7	FC8	FC9	FCA	FCB	FCC	FCD	FCE	FCF	FD0	FD1
0	لح FC40	ني FC50	ء FC60	تر FC70	كلا FC80	ي FC90	ين FCA0	ب FCB0	ف FCC0	خ FCD0	ج FCE0	ب FCF0	حي FD00	ض FD10
1	لخ FC41	نه FC51	ء FC61	تر FC71	كلا FC81	ير FC91	نات FCA1	لا FCB1	ف FCC1	م FCD1	ب FCE1	ت FCF1	حي FD01	ط FD11
2	لم FC42	هم FC52	ء FC62	تم FC72	سلا FC82	يز FC92	ات FCA2	لا FCB2	اف FCC2	ن FCD2	ي FCE2	ا FCF2	هي FD02	طي FD12
3	لي FC43	هي FC53	ء FC63	تن FC73	كلا FC83	تن FC93	ات FCA3	مع FCB3	فة FCC3	ن FCD3	ب FCE3	ا FCF3	حي FD03	مي FD13
4	لي FC44	هي FC54	ن FC64	تي FC74	يكا FC84	ين FC94	ت FCA4	ن FCB4	ن FCC4	ن FCD4	ت FCE4	ا FCF4	هي FD04	مي FD14
5	لج FC45	يخ FC55	ن FC65	تي FC75	لم FC85	ي FC95	ت FCA5	ن FCB5	ن FCC5	ن FCD5	ب FCE5	ط FCF5	هي FD05	غي FD15
6	لح FC46	يخ FC56	نم FC66	ن FC76	لم FC86	ي FC96	ت FCA6	ن FCB6	ن FCC6	ن FCD6	ب FCE6	ط FCF6	هي FD06	غي FD16
7	لخ FC47	يخ FC57	ن FC67	ن FC77	لم FC87	ن FC97	ن FCA7	ن FCB7	ك FCC7	ن FCD7	ن FCE7	ع FCF7	ضي FD07	سي FD17
8	لم FC48	يم FC58	ئي FC68	نم FC78	ما FC88	ن FC98	ن FCA8	ن FCB8	ك FCC8	ه FCD8	ن FCE8	ع FCF8	ضي FD08	سي FD18
9	مي FC49	يني FC59	ئي FC69	ن FC79	لم FC89	ن FC99	ن FCA9	ن FCB9	ن FCC9	ه FCD9	ن FCE9	ن FCF9	ن FD09	شي FD19
A	مي FC4A	يني FC5A	بر FC6A	شي FC7A	ن FC8A	ن FC9A	ن FCAA	ن FCBA	ن FCCA	ن FCDA	ن FCEA	ن FCFA	ن FD0A	شي FD1A
B	لخ FC4B	ن FC5B	بز FC6B	شي FC7B	ن FC8B	ن FC9B	ن FCAB	ن FCBB	ن FCCB	ن FCDB	ن FCEB	ن FCFB	ن FD0B	ك FD1B
C	لخ FC4C	ر FC5C	ن FC6C	في FC7C	ن FC8C	ن FC9C	ن FCAC	ن FCBC	ن FCCC	ن FCDC	ن FCEC	ن FCFC	ن FD0C	ك FD1C
D	لخ FC4D	ي FC5D	ن FC6D	في FC7D	ن FC8D	ن FC9D	ن FCAD	ن FCBD	ن FCCD	ن FCDD	ن FCED	ن FCFD	ن FD0D	ن FD1D
E	نم FC4E	ئي FC5E	بي FC6E	في FC7E	ن FC8E	ن FC9E	ن FCAE	ن FCBE	ن FCEE	ن FCDE	ن FCEE	ن FCFE	ن FD0E	ن FD1E
F	ني FC4F	ء FC5F	بي FC6F	في FC7F	ني FC8F	ن FC9F	ن FCAF	ن FCBF	ن FCCF	ن FCDF	ن FCEF	ن FCFF	ن FD0F	ن FD1F

	FD2	FD3	FD4	FD5	FD6	FD7	FD8	FD9	FDA	FDB	FDC	FDD	FDE	FDF
0	٠	١		٢	٣	٤	٥		٦	٧	٨	FDD0	FDE0	٩
1	٠	١		٢	٣	٤	٥		٦	٧	٨	FDD1	FDE1	٩
2	٠	١		٢	٣	٤	٥		٦	٧	٨	FDD2	FDE2	٩
3	٠	١		٢	٣	٤	٥		٦	٧	٨	FDD3	FDE3	٩
4	٠	١		٢	٣	٤	٥		٦	٧	٨	FDD4	FDE4	٩
5	٠	١		٢	٣	٤	٥		٦	٧	٨	FDD5	FDE5	٩
6	٠	١		٢	٣	٤	٥		٦	٧	٨	FDD6	FDE6	٩
7	٠	١		٢	٣	٤	٥		٦	٧	٨	FDD7	FDE7	٩
8	٠	١		٢	٣	٤	٥		٦	٧	٨	FDD8	FDE8	٩
9	٠	١		٢	٣	٤	٥		٦	٧	٨	FDD9	FDE9	٩
A	٠	١		٢	٣	٤	٥		٦	٧	٨	FDDA	FDEA	٩
B	٠	١		٢	٣	٤	٥		٦	٧	٨	FDDB	FDEB	٩
C	٠	١		٢	٣	٤	٥		٦	٧	٨	FDDC	FDEC	٩
D	٠	١		٢	٣	٤	٥		٦	٧	٨	FDDD	FDED	٩
E	٠	١		٢	٣	٤	٥		٦	٧	٨	FDD E	FDE E	٩
F	٠	١		٢	٣	٤	٥		٦	٧	٨	FDD F	FDE F	٩

Preferred characters are found in the Arabic block 0600 - 06FF. This block also contains 32 noncharacters in the range FDD0 - FDDF.

**Glyphs for contextual forms of letters for Persian, Urdu, Sindhi, etc.**

FB50	آ	ARABIC LETTER ALEF WASLA ISOLATED FORM ≈ <isolated> 0671 آ	FB6C	ؤ	ARABIC LETTER VEH INITIAL FORM ≈ <initial> 06A4 ف
FB51	آ	ARABIC LETTER ALEF WASLA FINAL FORM ≈ <final> 0671 آ	FB6D	ؤ	ARABIC LETTER VEH MEDIAL FORM ≈ <medial> 06A4 ف
FB52	ب	ARABIC LETTER BEEH ISOLATED FORM ≈ <isolated> 067B ب	FB6E	ق	ARABIC LETTER PEHEH ISOLATED FORM ≈ <isolated> 06A6 ق
FB53	ب	ARABIC LETTER BEEH FINAL FORM ≈ <final> 067B ب	FB6F	ق	ARABIC LETTER PEHEH FINAL FORM ≈ <final> 06A6 ق
FB54	ب	ARABIC LETTER BEEH INITIAL FORM ≈ <initial> 067B ب	FB70	ق	ARABIC LETTER PEHEH INITIAL FORM ≈ <initial> 06A6 ق
FB55	ب	ARABIC LETTER BEEH MEDIAL FORM ≈ <medial> 067B ب	FB71	ق	ARABIC LETTER PEHEH MEDIAL FORM ≈ <medial> 06A6 ق
FB56	پ	ARABIC LETTER PEH ISOLATED FORM ≈ <isolated> 067E پ	FB72	چ	ARABIC LETTER DYEH ISOLATED FORM ≈ <isolated> 0684 چ
FB57	پ	ARABIC LETTER PEH FINAL FORM ≈ <final> 067E پ	FB73	چ	ARABIC LETTER DYEH FINAL FORM ≈ <final> 0684 چ
FB58	پ	ARABIC LETTER PEH INITIAL FORM ≈ <initial> 067E پ	FB74	چ	ARABIC LETTER DYEH INITIAL FORM ≈ <initial> 0684 چ
FB59	پ	ARABIC LETTER PEH MEDIAL FORM ≈ <medial> 067E پ	FB75	چ	ARABIC LETTER DYEH MEDIAL FORM ≈ <medial> 0684 چ
FB5A	پ	ARABIC LETTER BEHEH ISOLATED FORM ≈ <isolated> 0680 پ	FB76	چ	ARABIC LETTER NYEH ISOLATED FORM ≈ <isolated> 0683 چ
FB5B	پ	ARABIC LETTER BEHEH FINAL FORM ≈ <final> 0680 پ	FB77	چ	ARABIC LETTER NYEH FINAL FORM ≈ <final> 0683 چ
FB5C	پ	ARABIC LETTER BEHEH INITIAL FORM ≈ <initial> 0680 پ	FB78	چ	ARABIC LETTER NYEH INITIAL FORM ≈ <initial> 0683 چ
FB5D	پ	ARABIC LETTER BEHEH MEDIAL FORM ≈ <medial> 0680 پ	FB79	چ	ARABIC LETTER NYEH MEDIAL FORM ≈ <medial> 0683 چ
FB5E	ت	ARABIC LETTER TTEHEH ISOLATED FORM ≈ <isolated> 067A ت	FB7A	چ	ARABIC LETTER TCHEH ISOLATED FORM ≈ <isolated> 0686 چ
FB5F	ت	ARABIC LETTER TTEHEH FINAL FORM ≈ <final> 067A ت	FB7B	چ	ARABIC LETTER TCHEH FINAL FORM ≈ <final> 0686 چ
FB60	ت	ARABIC LETTER TTEHEH INITIAL FORM ≈ <initial> 067A ت	FB7C	چ	ARABIC LETTER TCHEH INITIAL FORM ≈ <initial> 0686 چ
FB61	ت	ARABIC LETTER TTEHEH MEDIAL FORM ≈ <medial> 067A ت	FB7D	چ	ARABIC LETTER TCHEH MEDIAL FORM ≈ <medial> 0686 چ
FB62	ت	ARABIC LETTER TEHEH ISOLATED FORM ≈ <isolated> 067F ت	FB7E	چ	ARABIC LETTER TCHEHEH ISOLATED FORM ≈ <isolated> 0687 چ
FB63	ت	ARABIC LETTER TEHEH FINAL FORM ≈ <final> 067F ت	FB7F	چ	ARABIC LETTER TCHEHEH FINAL FORM ≈ <final> 0687 چ
FB64	ت	ARABIC LETTER TEHEH INITIAL FORM ≈ <initial> 067F ت	FB80	چ	ARABIC LETTER TCHEHEH INITIAL FORM ≈ <initial> 0687 چ
FB65	ت	ARABIC LETTER TEHEH MEDIAL FORM ≈ <medial> 067F ت	FB81	چ	ARABIC LETTER TCHEHEH MEDIAL FORM ≈ <medial> 0687 چ
FB66	ت	ARABIC LETTER TTEH ISOLATED FORM ≈ <isolated> 0679 ت	FB82	ڊ	ARABIC LETTER DDAHAL ISOLATED FORM ≈ <isolated> 068D ڊ
FB67	ت	ARABIC LETTER TTEH FINAL FORM ≈ <final> 0679 ت	FB83	ڊ	ARABIC LETTER DDAHAL FINAL FORM ≈ <final> 068D ڊ
FB68	ت	ARABIC LETTER TTEH INITIAL FORM ≈ <initial> 0679 ت	FB84	ڊ	ARABIC LETTER DAHAL ISOLATED FORM ≈ <isolated> 068C ڊ
FB69	ت	ARABIC LETTER TTEH MEDIAL FORM ≈ <medial> 0679 ت	FB85	ڊ	ARABIC LETTER DAHAL FINAL FORM ≈ <final> 068C ڊ
FB6A	ف	ARABIC LETTER VEH ISOLATED FORM ≈ <isolated> 06A4 ف	FB86	ڊ	ARABIC LETTER DUL ISOLATED FORM ≈ <isolated> 068E ڊ
FB6B	ف	ARABIC LETTER VEH FINAL FORM ≈ <final> 06A4 ف	FB87	ڊ	ARABIC LETTER DUL FINAL FORM ≈ <final> 068E ڊ
			FB88	ڊ	ARABIC LETTER DDAL ISOLATED FORM ≈ <isolated> 0688 ڊ
			FB89	ڊ	ARABIC LETTER DDAL FINAL FORM ≈ <final> 0688 ڊ
			FB8A	ڙ	ARABIC LETTER JEH ISOLATED FORM ≈ <isolated> 0698 ڙ

FB8B ﺝ ARABIC LETTER JEH FINAL FORM  
≈ <final> 0698 ﺝ

FB8C ﺝ ARABIC LETTER RREH ISOLATED FORM  
≈ <isolated> 0691 ﺝ

FB8D ﺝ ARABIC LETTER RREH FINAL FORM  
≈ <final> 0691 ﺝ

FB8E ﺝ ARABIC LETTER KEHEH ISOLATED FORM  
≈ <isolated> 06A9 ﺝ

FB8F ﺝ ARABIC LETTER KEHEH FINAL FORM  
≈ <final> 06A9 ﺝ

FB90 ﺝ ARABIC LETTER KEHEH INITIAL FORM  
≈ <initial> 06A9 ﺝ

FB91 ﺝ ARABIC LETTER KEHEH MEDIAL FORM  
≈ <medial> 06A9 ﺝ

FB92 ﺝ ARABIC LETTER GAF ISOLATED FORM  
≈ <isolated> 06AF ﺝ

FB93 ﺝ ARABIC LETTER GAF FINAL FORM  
≈ <final> 06AF ﺝ

FB94 ﺝ ARABIC LETTER GAF INITIAL FORM  
≈ <initial> 06AF ﺝ

FB95 ﺝ ARABIC LETTER GAF MEDIAL FORM  
≈ <medial> 06AF ﺝ

FB96 ﺝ ARABIC LETTER GUEH ISOLATED FORM  
≈ <isolated> 06B3 ﺝ

FB97 ﺝ ARABIC LETTER GUEH FINAL FORM  
≈ <final> 06B3 ﺝ

FB98 ﺝ ARABIC LETTER GUEH INITIAL FORM  
≈ <initial> 06B3 ﺝ

FB99 ﺝ ARABIC LETTER GUEH MEDIAL FORM  
≈ <medial> 06B3 ﺝ

FB9A ﺝ ARABIC LETTER NGOEH ISOLATED FORM  
≈ <isolated> 06B1 ﺝ

FB9B ﺝ ARABIC LETTER NGOEH FINAL FORM  
≈ <final> 06B1 ﺝ

FB9C ﺝ ARABIC LETTER NGOEH INITIAL FORM  
≈ <initial> 06B1 ﺝ

FB9D ﺝ ARABIC LETTER NGOEH MEDIAL FORM  
≈ <medial> 06B1 ﺝ

FB9E ﺝ ARABIC LETTER NOON GHUNNA ISOLATED FORM  
≈ <isolated> 06BA ﺝ

FB9F ﺝ ARABIC LETTER NOON GHUNNA FINAL FORM  
≈ <final> 06BA ﺝ

FBA0 ﺝ ARABIC LETTER RNOON ISOLATED FORM  
≈ <isolated> 06BB ﺝ

FBA1 ﺝ ARABIC LETTER RNOON FINAL FORM  
≈ <final> 06BB ﺝ

FBA2 ﺝ ARABIC LETTER RNOON INITIAL FORM  
≈ <initial> 06BB ﺝ

FBA3 ﺝ ARABIC LETTER RNOON MEDIAL FORM  
≈ <medial> 06BB ﺝ

FBA4 ﺝ ARABIC LETTER HEH WITH YEH ABOVE ISOLATED FORM  
≈ <isolated> 06C0 ﺝ

FBA5 ﺝ ARABIC LETTER HEH WITH YEH ABOVE FINAL FORM  
≈ <final> 06C0 ﺝ

FBA6 ﺝ ARABIC LETTER HEH GOAL ISOLATED FORM  
≈ <isolated> 06C1 ﺝ

FBA7 ﺝ ARABIC LETTER HEH GOAL FINAL FORM  
≈ <final> 06C1 ﺝ

FBA8 ﺝ ARABIC LETTER HEH GOAL INITIAL FORM  
≈ <initial> 06C1 ﺝ

FBA9 ﺝ ARABIC LETTER HEH GOAL MEDIAL FORM  
≈ <medial> 06C1 ﺝ

FBAA ﺝ ARABIC LETTER HEH DOACHASHMEE ISOLATED FORM  
≈ <isolated> 06BE ﺝ

FBAB ﺝ ARABIC LETTER HEH DOACHASHMEE FINAL FORM  
≈ <final> 06BE ﺝ

FBAC ﺝ ARABIC LETTER HEH DOACHASHMEE INITIAL FORM  
≈ <initial> 06BE ﺝ

FBAD ﺝ ARABIC LETTER HEH DOACHASHMEE MEDIAL FORM  
≈ <medial> 06BE ﺝ

FBAE ﺝ ARABIC LETTER YEH BARREE ISOLATED FORM  
≈ <isolated> 06D2 ﺝ

FBAF ﺝ ARABIC LETTER YEH BARREE FINAL FORM  
≈ <final> 06D2 ﺝ

FBB0 ﺝ ARABIC LETTER YEH BARREE WITH HAMZA ABOVE ISOLATED FORM  
≈ <isolated> 06D3 ﺝ

FBB1 ﺝ ARABIC LETTER YEH BARREE WITH HAMZA ABOVE FINAL FORM  
≈ <final> 06D3 ﺝ

#### Glyphs for contextual forms of letters for Central Asian languages

FBD3 ﺝ ARABIC LETTER NG ISOLATED FORM  
≈ <isolated> 06AD ﺝ

FBD4 ﺝ ARABIC LETTER NG FINAL FORM  
≈ <final> 06AD ﺝ

FBD5 ﺝ ARABIC LETTER NG INITIAL FORM  
≈ <initial> 06AD ﺝ

FBD6 ﺝ ARABIC LETTER NG MEDIAL FORM  
≈ <medial> 06AD ﺝ

FBD7 ﺝ ARABIC LETTER U ISOLATED FORM  
≈ <isolated> 06C7 ﺝ

FBD8 ﺝ ARABIC LETTER U FINAL FORM  
≈ <final> 06C7 ﺝ

FBD9 ﺝ ARABIC LETTER OE ISOLATED FORM  
≈ <isolated> 06C6 ﺝ

FBDA ﺝ ARABIC LETTER OE FINAL FORM  
≈ <final> 06C6 ﺝ

FBDB ﺝ ARABIC LETTER YU ISOLATED FORM  
≈ <isolated> 06C8 ﺝ

FBDC ﺝ ARABIC LETTER YU FINAL FORM  
≈ <final> 06C8 ﺝ

FBDD ﺝ ARABIC LETTER U WITH HAMZA ABOVE ISOLATED FORM  
≈ <isolated> 0677 ﺝ

FBDE ﺝ ARABIC LETTER VE ISOLATED FORM  
≈ <isolated> 06CB ﺝ

FBD F ﺝ ARABIC LETTER VE FINAL FORM  
≈ <final> 06CB ﺝ

FBE0 ﺝ ARABIC LETTER KIRGHIZ OE ISOLATED FORM  
≈ <isolated> 06C5 ﺝ

FBE1 ﺝ ARABIC LETTER KIRGHIZ OE FINAL FORM  
≈ <final> 06C5 ﺝ

FBE2 ﺝ ARABIC LETTER KIRGHIZ YU ISOLATED FORM  
≈ <isolated> 06C9 ﺝ

FBE3	و	ARABIC LETTER KIRGHIZ YU FINAL FORM ≈ <final> 06C9 و	FBF9	ئى	ARABIC LIGATURE UIGHUR KIRGHIZ YEH WITH HAMZA ABOVE WITH ALEF MAKSURA ISOLATED FORM ≈ <isolated> 0626 ئى 0649 ى
FBE4	ې	ARABIC LETTER E ISOLATED FORM ≈ <isolated> 06D0 ې	FBFA	ئى	ARABIC LIGATURE UIGHUR KIRGHIZ YEH WITH HAMZA ABOVE WITH ALEF MAKSURA FINAL FORM ≈ <final> 0626 ئى 0649 ى
FBE5	ہ	ARABIC LETTER E FINAL FORM ≈ <final> 06D0 ھ	FBFB	ئى	ARABIC LIGATURE UIGHUR KIRGHIZ YEH WITH HAMZA ABOVE WITH ALEF MAKSURA INITIAL FORM ≈ <initial> 0626 ئى 0649 ى
FBE6	ئ	ARABIC LETTER E INITIAL FORM ≈ <initial> 06D0 ھ	FBFC	ى	ARABIC LETTER FARSI YEH ISOLATED FORM ≈ <isolated> 06CC ى
FBE7	ئ	ARABIC LETTER E MEDIAL FORM ≈ <medial> 06D0 ھ	FBFD	ى	ARABIC LETTER FARSI YEH FINAL FORM ≈ <final> 06CC ى
FBE8	ہ	ARABIC LETTER UIGHUR KAZAKH KIRGHIZ ALEF MAKSURA INITIAL FORM ≈ <initial> 0649 ى	FBFE	ئ	ARABIC LETTER FARSI YEH INITIAL FORM ≈ <initial> 06CC ى
FBE9	ہ	ARABIC LETTER UIGHUR KAZAKH KIRGHIZ ALEF MAKSURA MEDIAL FORM ≈ <medial> 0649 ى	FBFF	ئ	ARABIC LETTER FARSI YEH MEDIAL FORM ≈ <medial> 06CC ى
<b>Ligatures (two elements)</b>					
FBEA	ئا	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH ALEF ISOLATED FORM ≈ <isolated> 0626 ئى 0627 ا	FC00	ئى	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH JEEM ISOLATED FORM ≈ <isolated> 0626 ئى 062C ج
FBEB	ئا	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH ALEF FINAL FORM ≈ <final> 0626 ئى 0627 ا	FC01	ئى	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH HAH ISOLATED FORM ≈ <isolated> 0626 ئى 062D ح
FBEC	ئى	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH AE ISOLATED FORM ≈ <isolated> 0626 ئى 06D5 ا	FC02	ئى	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH MEEM ISOLATED FORM ≈ <isolated> 0626 ئى 0645 م
FBED	ئى	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH AE FINAL FORM ≈ <final> 0626 ئى 06D5 ا	FC03	ئى	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH ALEF MAKSURA ISOLATED FORM ≈ <isolated> 0626 ئى 0649 ى
FBEE	ئو	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH WAW ISOLATED FORM ≈ <isolated> 0626 ئى 0648 و	FC04	ئى	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH YEH ISOLATED FORM ≈ <isolated> 0626 ئى 064A ى
FBEF	ئو	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH WAW FINAL FORM ≈ <final> 0626 ئى 0648 و	FC05	ئى	ARABIC LIGATURE BEH WITH JEEM ISOLATED FORM ≈ <isolated> 0628 ب 062C ج
FBF0	ئو	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH U ISOLATED FORM ≈ <isolated> 0626 ئى 06C7 و	FC06	ئى	ARABIC LIGATURE BEH WITH HAH ISOLATED FORM ≈ <isolated> 0628 ب 062D ح
FBF1	ئو	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH U FINAL FORM ≈ <final> 0626 ئى 06C7 و	FC07	ئى	ARABIC LIGATURE BEH WITH KHAH ISOLATED FORM ≈ <isolated> 0628 ب 062E ح
FBF2	ئو	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH OE ISOLATED FORM ≈ <isolated> 0626 ئى 06C6 و	FC08	ئى	ARABIC LIGATURE BEH WITH MEEM ISOLATED FORM ≈ <isolated> 0628 ب 0645 م
FBF3	ئو	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH OE FINAL FORM ≈ <final> 0626 ئى 06C6 و	FC09	ئى	ARABIC LIGATURE BEH WITH ALEF MAKSURA ISOLATED FORM ≈ <isolated> 0628 ب 0649 ى
FBF4	ئو	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH YU ISOLATED FORM ≈ <isolated> 0626 ئى 06C8 و	FC0A	ئى	ARABIC LIGATURE BEH WITH YEH ISOLATED FORM ≈ <isolated> 0628 ب 064A ى
FBF5	ئو	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH YU FINAL FORM ≈ <final> 0626 ئى 06C8 و	FC0B	ئى	ARABIC LIGATURE TEH WITH JEEM ISOLATED FORM ≈ <isolated> 062A ت 062C ج
FBF6	ئى	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH E ISOLATED FORM ≈ <isolated> 0626 ئى 06D0 ھ	FC0C	ئى	ARABIC LIGATURE TEH WITH HAH ISOLATED FORM ≈ <isolated> 062A ت 062D ح
FBF7	ئى	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH E FINAL FORM ≈ <final> 0626 ئى 06D0 ھ	FC0D	ئى	ARABIC LIGATURE TEH WITH KHAH ISOLATED FORM ≈ <isolated> 062A ت 062E ح
FBF8	ئى	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH E INITIAL FORM ≈ <initial> 0626 ئى 06D0 ھ	FC0E	ئى	ARABIC LIGATURE TEH WITH MEEM ISOLATED FORM ≈ <isolated> 062A ت 0645 م

FC0F	ت	ARABIC LIGATURE TEH WITH ALEF MAKSURA ISOLATED FORM ≈ <isolated> 062A ت 0649 ي	FC24	ض	ARABIC LIGATURE DAD WITH KHAH ISOLATED FORM ≈ <isolated> 0636 ض 062E خ
FC10	ي	ARABIC LIGATURE TEH WITH YEH ISOLATED FORM ≈ <isolated> 062A ت 064A ي	FC25	ضم	ARABIC LIGATURE DAD WITH MEEM ISOLATED FORM ≈ <isolated> 0636 ض 0645 م
FC11	ث	ARABIC LIGATURE THEH WITH JEEM ISOLATED FORM ≈ <isolated> 062B ث 062C ج	FC26	ط	ARABIC LIGATURE TAH WITH HAH ISOLATED FORM ≈ <isolated> 0637 ط 062D ح
FC12	م	ARABIC LIGATURE THEH WITH MEEM ISOLATED FORM ≈ <isolated> 062B ث 0645 م	FC27	ظ	ARABIC LIGATURE TAH WITH MEEM ISOLATED FORM ≈ <isolated> 0637 ط 0645 م
FC13	ن	ARABIC LIGATURE THEH WITH ALEF MAKSURA ISOLATED FORM ≈ <isolated> 062B ث 0649 ي	FC28	ع	ARABIC LIGATURE ZAH WITH MEEM ISOLATED FORM ≈ <isolated> 0638 ظ 0645 م
FC14	ه	ARABIC LIGATURE THEH WITH YEH ISOLATED FORM ≈ <isolated> 062B ث 064A ي	FC29	ع	ARABIC LIGATURE AIN WITH JEEM ISOLATED FORM ≈ <isolated> 0639 ع 062C ج
FC15	ح	ARABIC LIGATURE JEEM WITH HAH ISOLATED FORM ≈ <isolated> 062C ج 062D ح	FC2A	م	ARABIC LIGATURE AIN WITH MEEM ISOLATED FORM ≈ <isolated> 0639 ع 0645 م
FC16	ج	ARABIC LIGATURE JEEM WITH MEEM ISOLATED FORM ≈ <isolated> 062C ج 0645 م	FC2B	غ	ARABIC LIGATURE GHAIN WITH JEEM ISOLATED FORM ≈ <isolated> 063A غ 062C ج
FC17	ح	ARABIC LIGATURE HAH WITH JEEM ISOLATED FORM ≈ <isolated> 062D ح 062C ج	FC2C	م	ARABIC LIGATURE GHAIN WITH MEEM ISOLATED FORM ≈ <isolated> 063A غ 0645 م
FC18	م	ARABIC LIGATURE HAH WITH MEEM ISOLATED FORM ≈ <isolated> 062D ح 0645 م	FC2D	غ	ARABIC LIGATURE FEH WITH JEEM ISOLATED FORM ≈ <isolated> 0641 ف 062C ج
FC19	ح	ARABIC LIGATURE KHAH WITH JEEM ISOLATED FORM ≈ <isolated> 062E خ 062C ج	FC2E	غ	ARABIC LIGATURE FEH WITH HAH ISOLATED FORM ≈ <isolated> 0641 ف 062D ح
FC1A	ح	ARABIC LIGATURE KHAH WITH HAH ISOLATED FORM ≈ <isolated> 062E خ 062D ح	FC2F	غ	ARABIC LIGATURE FEH WITH KHAH ISOLATED FORM ≈ <isolated> 0641 ف 062E خ
FC1B	م	ARABIC LIGATURE KHAH WITH MEEM ISOLATED FORM ≈ <isolated> 062E خ 0645 م	FC30	م	ARABIC LIGATURE FEH WITH MEEM ISOLATED FORM ≈ <isolated> 0641 ف 0645 م
FC1C	ح	ARABIC LIGATURE SEEN WITH JEEM ISOLATED FORM ≈ <isolated> 0633 س 062C ج	FC31	ن	ARABIC LIGATURE FEH WITH ALEF MAKSURA ISOLATED FORM ≈ <isolated> 0641 ف 0649 ي
FC1D	ح	ARABIC LIGATURE SEEN WITH HAH ISOLATED FORM ≈ <isolated> 0633 س 062D ح	FC32	ي	ARABIC LIGATURE FEH WITH YEH ISOLATED FORM ≈ <isolated> 0641 ف 064A ي
FC1E	ح	ARABIC LIGATURE SEEN WITH KHAH ISOLATED FORM ≈ <isolated> 0633 س 062E خ	FC33	ع	ARABIC LIGATURE QAF WITH HAH ISOLATED FORM ≈ <isolated> 0642 ق 062D ح
FC1F	م	ARABIC LIGATURE SEEN WITH MEEM ISOLATED FORM ≈ <isolated> 0633 س 0645 م	FC34	م	ARABIC LIGATURE QAF WITH MEEM ISOLATED FORM ≈ <isolated> 0642 ق 0645 م
FC20	ح	ARABIC LIGATURE SAD WITH HAH ISOLATED FORM ≈ <isolated> 0635 ص 062D ح	FC35	ن	ARABIC LIGATURE QAF WITH ALEF MAKSURA ISOLATED FORM ≈ <isolated> 0642 ق 0649 ي
FC21	م	ARABIC LIGATURE SAD WITH MEEM ISOLATED FORM ≈ <isolated> 0635 ص 0645 م	FC36	ي	ARABIC LIGATURE QAF WITH YEH ISOLATED FORM ≈ <isolated> 0642 ق 064A ي
FC22	ض	ARABIC LIGATURE DAD WITH JEEM ISOLATED FORM ≈ <isolated> 0636 ض 062C ج	FC37	ك	ARABIC LIGATURE KAF WITH ALEF ISOLATED FORM ≈ <isolated> 0643 ك 0627 ا
FC23	ض	ARABIC LIGATURE DAD WITH HAH ISOLATED FORM ≈ <isolated> 0636 ض 062D ح	FC38	ك	ARABIC LIGATURE KAF WITH JEEM ISOLATED FORM ≈ <isolated> 0643 ك 062C ج

FC39	كح	ARABIC LIGATURE KAF WITH HAH ISOLATED FORM ≈ <isolated> 0643 ك 062D ح	FC4E	نم	ARABIC LIGATURE NOON WITH MEEM ISOLATED FORM ≈ <isolated> 0646 ن 0645 م
FC3A	كخ	ARABIC LIGATURE KAF WITH KHAH ISOLATED FORM ≈ <isolated> 0643 ك 062E خ	FC4F	ني	ARABIC LIGATURE NOON WITH ALEF MAKSURA ISOLATED FORM ≈ <isolated> 0646 ن 0649 ي
FC3B	كل	ARABIC LIGATURE KAF WITH LAM ISOLATED FORM ≈ <isolated> 0643 ك 0644 ل	FC50	ني	ARABIC LIGATURE NOON WITH YEH ISOLATED FORM ≈ <isolated> 0646 ن 064A ي
FC3C	كم	ARABIC LIGATURE KAF WITH MEEM ISOLATED FORM ≈ <isolated> 0643 ك 0645 م	FC51	عج	ARABIC LIGATURE HEH WITH JEEM ISOLATED FORM ≈ <isolated> 0647 هـ 062C ج
FC3D	كي	ARABIC LIGATURE KAF WITH ALEF MAKSURA ISOLATED FORM ≈ <isolated> 0643 ك 0649 ي	FC52	م	ARABIC LIGATURE HEH WITH MEEM ISOLATED FORM ≈ <isolated> 0647 هـ 0645 م
FC3E	كي	ARABIC LIGATURE KAF WITH YEH ISOLATED FORM ≈ <isolated> 0643 ك 064A ي	FC53	هي	ARABIC LIGATURE HEH WITH ALEF MAKSURA ISOLATED FORM ≈ <isolated> 0647 هـ 0649 ي
FC3F	لج	ARABIC LIGATURE LAM WITH JEEM ISOLATED FORM ≈ <isolated> 0644 ل 062C ج	FC54	هي	ARABIC LIGATURE HEH WITH YEH ISOLATED FORM ≈ <isolated> 0647 هـ 064A ي
FC40	لح	ARABIC LIGATURE LAM WITH HAH ISOLATED FORM ≈ <isolated> 0644 ل 062D ح	FC55	عج	ARABIC LIGATURE YEH WITH JEEM ISOLATED FORM ≈ <isolated> 064A ي 062C ج
FC41	لخ	ARABIC LIGATURE LAM WITH KHAH ISOLATED FORM ≈ <isolated> 0644 ل 062E خ	FC56	عج	ARABIC LIGATURE YEH WITH HAH ISOLATED FORM ≈ <isolated> 064A ي 062D ح
FC42	لم	ARABIC LIGATURE LAM WITH MEEM ISOLATED FORM ≈ <isolated> 0644 ل 0645 م	FC57	عج	ARABIC LIGATURE YEH WITH KHAH ISOLATED FORM ≈ <isolated> 064A ي 062E خ
FC43	لي	ARABIC LIGATURE LAM WITH ALEF MAKSURA ISOLATED FORM ≈ <isolated> 0644 ل 0649 ي	FC58	م	ARABIC LIGATURE YEH WITH MEEM ISOLATED FORM ≈ <isolated> 064A ي 0645 م
FC44	لي	ARABIC LIGATURE LAM WITH YEH ISOLATED FORM ≈ <isolated> 0644 ل 064A ي	FC59	يني	ARABIC LIGATURE YEH WITH ALEF MAKSURA ISOLATED FORM ≈ <isolated> 064A ي 0649 ي
FC45	مج	ARABIC LIGATURE MEEM WITH JEEM ISOLATED FORM ≈ <isolated> 0645 م 062C ج	FC5A	يني	ARABIC LIGATURE YEH WITH YEH ISOLATED FORM ≈ <isolated> 064A ي 064A ي
FC46	مخ	ARABIC LIGATURE MEEM WITH HAH ISOLATED FORM ≈ <isolated> 0645 م 062D ح	FC5B	ذ	ARABIC LIGATURE THAL WITH SUPERSCRIPT ALEF ISOLATED FORM ≈ <isolated> 0630 ذ 0670 ّ
FC47	مخ	ARABIC LIGATURE MEEM WITH KHAH ISOLATED FORM ≈ <isolated> 0645 م 062E خ	FC5C	ذ	ARABIC LIGATURE REH WITH SUPERSCRIPT ALEF ISOLATED FORM ≈ <isolated> 0631 ذ 0670 ّ
FC48	مم	ARABIC LIGATURE MEEM WITH MEEM ISOLATED FORM ≈ <isolated> 0645 م 0645 م	FC5D	ي	ARABIC LIGATURE ALEF MAKSURA WITH SUPERSCRIPT ALEF ISOLATED FORM ≈ <isolated> 0649 ي 0670 ّ
FC49	مي	ARABIC LIGATURE MEEM WITH ALEF MAKSURA ISOLATED FORM ≈ <isolated> 0645 م 0649 ي	FC5E	ظ	ARABIC LIGATURE SHADDA WITH DAMMATAN ISOLATED FORM ≈ <isolated> 0020 ڤ 064C ّ 0651 ّ
FC4A	مي	ARABIC LIGATURE MEEM WITH YEH ISOLATED FORM ≈ <isolated> 0645 م 064A ي	FC5F	ظ	ARABIC LIGATURE SHADDA WITH KASRATAN ISOLATED FORM ≈ <isolated> 0020 ڤ 064D ّ 0651 ّ
FC4B	نج	ARABIC LIGATURE NOON WITH JEEM ISOLATED FORM ≈ <isolated> 0646 ن 062C ج	FC60	ظ	ARABIC LIGATURE SHADDA WITH FATHA ISOLATED FORM ≈ <isolated> 0020 ڤ 064E ّ 0651 ّ
FC4C	نخ	ARABIC LIGATURE NOON WITH HAH ISOLATED FORM ≈ <isolated> 0646 ن 062D ح	FC61	ظ	ARABIC LIGATURE SHADDA WITH DAMMA ISOLATED FORM ≈ <isolated> 0020 ڤ 064F ّ 0651 ّ
FC4D	نخ	ARABIC LIGATURE NOON WITH KHAH ISOLATED FORM ≈ <isolated> 0646 ن 062E خ	FC62	ظ	ARABIC LIGATURE SHADDA WITH KASRA ISOLATED FORM ≈ <isolated> 0020 ڤ 0650 ّ 0651 ّ



FC63	ا	ARABIC LIGATURE SHADDA WITH SUPERSCRIPT ALEF ISOLATED FORM ≈ <isolated> 0020 0651 0670	FC7A	ث	ARABIC LIGATURE THEH WITH ALEF MAKSURA FINAL FORM ≈ <final> 062B 0649
FC64	أ	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH REH FINAL FORM ≈ <final> 0626 0631	FC7B	ثي	ARABIC LIGATURE THEH WITH YEH FINAL FORM ≈ <final> 062B 064A
FC65	أز	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH ZAIN FINAL FORM ≈ <final> 0626 0632	FC7C	في	ARABIC LIGATURE FEH WITH ALEF MAKSURA FINAL FORM ≈ <final> 0641 0649
FC66	أم	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH MEEM FINAL FORM ≈ <final> 0626 0645	FC7D	فيي	ARABIC LIGATURE FEH WITH YEH FINAL FORM ≈ <final> 0641 064A
FC67	ئي	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH NOON FINAL FORM ≈ <final> 0626 0646	FC7E	قي	ARABIC LIGATURE QAF WITH ALEF MAKSURA FINAL FORM ≈ <final> 0642 0649
FC68	في	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH ALEF MAKSURA FINAL FORM ≈ <final> 0626 0649	FC7F	قيي	ARABIC LIGATURE QAF WITH YEH FINAL FORM ≈ <final> 0642 064A
FC69	فيي	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH YEH FINAL FORM ≈ <final> 0626 064A	FC80	كا	ARABIC LIGATURE KAF WITH ALEF FINAL FORM ≈ <final> 0643 0627
FC6A	بر	ARABIC LIGATURE BEH WITH REH FINAL FORM ≈ <final> 0628 0631	FC81	كل	ARABIC LIGATURE KAF WITH LAM FINAL FORM ≈ <final> 0643 0644
FC6B	بز	ARABIC LIGATURE BEH WITH ZAIN FINAL FORM ≈ <final> 0628 0632	FC82	كم	ARABIC LIGATURE KAF WITH MEEM FINAL FORM ≈ <final> 0643 0645
FC6C	بم	ARABIC LIGATURE BEH WITH MEEM FINAL FORM ≈ <final> 0628 0645	FC83	كي	ARABIC LIGATURE KAF WITH ALEF MAKSURA FINAL FORM ≈ <final> 0643 0649
FC6D	بن	ARABIC LIGATURE BEH WITH NOON FINAL FORM ≈ <final> 0628 0646	FC84	كيي	ARABIC LIGATURE KAF WITH YEH FINAL FORM ≈ <final> 0643 064A
FC6E	بي	ARABIC LIGATURE BEH WITH ALEF MAKSURA FINAL FORM ≈ <final> 0628 0649	FC85	لم	ARABIC LIGATURE LAM WITH MEEM FINAL FORM ≈ <final> 0644 0645
FC6F	بيي	ARABIC LIGATURE BEH WITH YEH FINAL FORM ≈ <final> 0628 064A	FC86	لي	ARABIC LIGATURE LAM WITH ALEF MAKSURA FINAL FORM ≈ <final> 0644 0649
FC70	تر	ARABIC LIGATURE TEH WITH REH FINAL FORM ≈ <final> 062A 0631	FC87	ليي	ARABIC LIGATURE LAM WITH YEH FINAL FORM ≈ <final> 0644 064A
FC71	تز	ARABIC LIGATURE TEH WITH ZAIN FINAL FORM ≈ <final> 062A 0632	FC88	ما	ARABIC LIGATURE MEEM WITH ALEF FINAL FORM ≈ <final> 0645 0627
FC72	تم	ARABIC LIGATURE TEH WITH MEEM FINAL FORM ≈ <final> 062A 0645	FC89	مم	ARABIC LIGATURE MEEM WITH MEEM FINAL FORM ≈ <final> 0645 0645
FC73	تن	ARABIC LIGATURE TEH WITH NOON FINAL FORM ≈ <final> 062A 0646	FC8A	نر	ARABIC LIGATURE NOON WITH REH FINAL FORM ≈ <final> 0646 0631
FC74	تي	ARABIC LIGATURE TEH WITH ALEF MAKSURA FINAL FORM ≈ <final> 062A 0649	FC8B	نز	ARABIC LIGATURE NOON WITH ZAIN FINAL FORM ≈ <final> 0646 0632
FC75	تيي	ARABIC LIGATURE TEH WITH YEH FINAL FORM ≈ <final> 062A 064A	FC8C	نم	ARABIC LIGATURE NOON WITH MEEM FINAL FORM ≈ <final> 0646 0645
FC76	ثر	ARABIC LIGATURE THEH WITH REH FINAL FORM ≈ <final> 062B 0631	FC8D	نن	ARABIC LIGATURE NOON WITH NOON FINAL FORM ≈ <final> 0646 0646
FC77	تز	ARABIC LIGATURE THEH WITH ZAIN FINAL FORM ≈ <final> 062B 0632	FC8E	ني	ARABIC LIGATURE NOON WITH ALEF MAKSURA FINAL FORM ≈ <final> 0646 0649
FC78	نم	ARABIC LIGATURE THEH WITH MEEM FINAL FORM ≈ <final> 062B 0645	FC8F	نيي	ARABIC LIGATURE NOON WITH YEH FINAL FORM ≈ <final> 0646 064A
FC79	ئي	ARABIC LIGATURE THEH WITH NOON FINAL FORM ≈ <final> 062B 0646	FC90	ي	ARABIC LIGATURE ALEF MAKSURA WITH SUPERSCRIPT ALEF FINAL FORM ≈ <final> 0649 0670

FC91	ر	ARABIC LIGATURE YEH WITH REH FINAL FORM ≈ <final> 064A ي 0631 ر	FCA7	ڤ	ARABIC LIGATURE JEEM WITH HAH INITIAL FORM ≈ <initial> 062C ج 062D ح
FC92	ز	ARABIC LIGATURE YEH WITH ZAIN FINAL FORM ≈ <final> 064A ي 0632 ز	FCA8	ڤ	ARABIC LIGATURE JEEM WITH MEEM INITIAL FORM ≈ <initial> 062C ج 0645 م
FC93	م	ARABIC LIGATURE YEH WITH MEEM FINAL FORM ≈ <final> 064A ي 0645 م	FCA9	ڤ	ARABIC LIGATURE HAH WITH JEEM INITIAL FORM ≈ <initial> 062D ح 062C ج
FC94	ن	ARABIC LIGATURE YEH WITH NOON FINAL FORM ≈ <final> 064A ي 0646 ن	FCAA	ڤ	ARABIC LIGATURE HAH WITH MEEM INITIAL FORM ≈ <initial> 062D ح 0645 م
FC95	ي	ARABIC LIGATURE YEH WITH ALEF MAKSURA FINAL FORM ≈ <final> 064A ي 0649 ي	FCAB	ڤ	ARABIC LIGATURE KHAH WITH JEEM INITIAL FORM ≈ <initial> 062E خ 062C ج
FC96	ي	ARABIC LIGATURE YEH WITH YEH FINAL FORM ≈ <final> 064A ي 064A ي	FCAC	ڤ	ARABIC LIGATURE KHAH WITH MEEM INITIAL FORM ≈ <initial> 062E خ 0645 م
FC97	هـ	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH JEEM INITIAL FORM ≈ <initial> 0626 هـ 062C ج	FCAD	ڤ	ARABIC LIGATURE SEEN WITH JEEM INITIAL FORM ≈ <initial> 0633 س 062C ج
FC98	هـ	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH HAH INITIAL FORM ≈ <initial> 0626 هـ 062D ح	FCAE	ڤ	ARABIC LIGATURE SEEN WITH HAH INITIAL FORM ≈ <initial> 0633 س 062D ح
FC99	هـ	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH KHAH INITIAL FORM ≈ <initial> 0626 هـ 062E خ	FCAF	ڤ	ARABIC LIGATURE SEEN WITH KHAH INITIAL FORM ≈ <initial> 0633 س 062E خ
FC9A	هـ	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH MEEM INITIAL FORM ≈ <initial> 0626 هـ 0645 م	FCB0	ڤ	ARABIC LIGATURE SEEN WITH MEEM INITIAL FORM ≈ <initial> 0633 س 0645 م
FC9B	هـ	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH HEH INITIAL FORM ≈ <initial> 0626 هـ 0647 هـ	FCB1	ڤ	ARABIC LIGATURE SAD WITH HAH INITIAL FORM ≈ <initial> 0635 ص 062D ح
FC9C	هـ	ARABIC LIGATURE BEH WITH JEEM INITIAL FORM ≈ <initial> 0628 ب 062C ج	FCB2	ڤ	ARABIC LIGATURE SAD WITH KHAH INITIAL FORM ≈ <initial> 0635 ص 062E خ
FC9D	هـ	ARABIC LIGATURE BEH WITH HAH INITIAL FORM ≈ <initial> 0628 ب 062D ح	FCB3	ڤ	ARABIC LIGATURE SAD WITH MEEM INITIAL FORM ≈ <initial> 0635 ص 0645 م
FC9E	هـ	ARABIC LIGATURE BEH WITH KHAH INITIAL FORM ≈ <initial> 0628 ب 062E خ	FCB4	ڤ	ARABIC LIGATURE DAD WITH JEEM INITIAL FORM ≈ <initial> 0636 ض 062C ج
FC9F	هـ	ARABIC LIGATURE BEH WITH MEEM INITIAL FORM ≈ <initial> 0628 ب 0645 م	FCB5	ڤ	ARABIC LIGATURE DAD WITH HAH INITIAL FORM ≈ <initial> 0636 ض 062D ح
FCA0	هـ	ARABIC LIGATURE BEH WITH HEH INITIAL FORM ≈ <initial> 0628 ب 0647 هـ	FCB6	ڤ	ARABIC LIGATURE DAD WITH KHAH INITIAL FORM ≈ <initial> 0636 ض 062E خ
FCA1	هـ	ARABIC LIGATURE TEH WITH JEEM INITIAL FORM ≈ <initial> 062A ت 062C ج	FCB7	ڤ	ARABIC LIGATURE DAD WITH MEEM INITIAL FORM ≈ <initial> 0636 ض 0645 م
FCA2	هـ	ARABIC LIGATURE TEH WITH HAH INITIAL FORM ≈ <initial> 062A ت 062D ح	FCB8	ڤ	ARABIC LIGATURE TAH WITH HAH INITIAL FORM ≈ <initial> 0637 ط 062D ح
FCA3	هـ	ARABIC LIGATURE TEH WITH KHAH INITIAL FORM ≈ <initial> 062A ت 062E خ	FCB9	ڤ	ARABIC LIGATURE ZAH WITH MEEM INITIAL FORM ≈ <initial> 0638 ظ 0645 م
FCA4	هـ	ARABIC LIGATURE TEH WITH MEEM INITIAL FORM ≈ <initial> 062A ت 0645 م	FCBA	ڤ	ARABIC LIGATURE AIN WITH JEEM INITIAL FORM ≈ <initial> 0639 ع 062C ج
FCA5	هـ	ARABIC LIGATURE TEH WITH HEH INITIAL FORM ≈ <initial> 062A ت 0647 هـ	FCBB	ڤ	ARABIC LIGATURE AIN WITH MEEM INITIAL FORM ≈ <initial> 0639 ع 0645 م
FCA6	هـ	ARABIC LIGATURE THEH WITH MEEM INITIAL FORM ≈ <initial> 062B ث 0645 م			

FCBC	ج	ARABIC LIGATURE GHAIN WITH JEEM INITIAL FORM ≈ <initial> 063A غ 062C ج	FCD1	م	ARABIC LIGATURE MEEM WITH MEEM INITIAL FORM ≈ <initial> 0645 م 0645 م
FCBD	ج	ARABIC LIGATURE GHAIN WITH MEEM INITIAL FORM ≈ <initial> 063A غ 0645 م	FCD2	ج	ARABIC LIGATURE NOON WITH JEEM INITIAL FORM ≈ <initial> 0646 ن 062C ج
FCBE	ج	ARABIC LIGATURE FEH WITH JEEM INITIAL FORM ≈ <initial> 0641 ف 062C ج	FCD3	ج	ARABIC LIGATURE NOON WITH HAH INITIAL FORM ≈ <initial> 0646 ن 062D ج
FCBF	ج	ARABIC LIGATURE FEH WITH HAH INITIAL FORM ≈ <initial> 0641 ف 062D ج	FCD4	ج	ARABIC LIGATURE NOON WITH KHAH INITIAL FORM ≈ <initial> 0646 ن 062E ح
FCC0	ج	ARABIC LIGATURE FEH WITH KHAH INITIAL FORM ≈ <initial> 0641 ف 062E ح	FCD5	م	ARABIC LIGATURE NOON WITH MEEM INITIAL FORM ≈ <initial> 0646 ن 0645 م
FCC1	م	ARABIC LIGATURE FEH WITH MEEM INITIAL FORM ≈ <initial> 0641 ف 0645 م	FCD6	ه	ARABIC LIGATURE NOON WITH HEH INITIAL FORM ≈ <initial> 0646 ن 0647 ه
FCC2	ج	ARABIC LIGATURE QAF WITH HAH INITIAL FORM ≈ <initial> 0642 ق 062D ج	FCD7	ج	ARABIC LIGATURE HEH WITH JEEM INITIAL FORM ≈ <initial> 0647 ه 062C ج
FCC3	م	ARABIC LIGATURE QAF WITH MEEM INITIAL FORM ≈ <initial> 0642 ق 0645 م	FCD8	م	ARABIC LIGATURE HEH WITH MEEM INITIAL FORM ≈ <initial> 0647 ه 0645 م
FCC4	ج	ARABIC LIGATURE KAF WITH JEEM INITIAL FORM ≈ <initial> 0643 ك 062C ج	FCD9	ا	ARABIC LIGATURE HEH WITH SUPERSCRIPT ALEF INITIAL FORM ≈ <initial> 0647 ه 0670 ا
FCC5	ج	ARABIC LIGATURE KAF WITH HAH INITIAL FORM ≈ <initial> 0643 ك 062D ج	FCDA	م	ARABIC LIGATURE YEH WITH JEEM INITIAL FORM ≈ <initial> 064A ي 062C ج
FCC6	ج	ARABIC LIGATURE KAF WITH KHAH INITIAL FORM ≈ <initial> 0643 ك 062E ح	FCDB	ج	ARABIC LIGATURE YEH WITH HAH INITIAL FORM ≈ <initial> 064A ي 062D ج
FCC7	ك	ARABIC LIGATURE KAF WITH LAM INITIAL FORM ≈ <initial> 0643 ك 0644 ل	FCDC	م	ARABIC LIGATURE YEH WITH KHAH INITIAL FORM ≈ <initial> 064A ي 062E ح
FCC8	م	ARABIC LIGATURE KAF WITH MEEM INITIAL FORM ≈ <initial> 0643 ك 0645 م	FCDD	م	ARABIC LIGATURE YEH WITH MEEM INITIAL FORM ≈ <initial> 064A ي 0645 م
FCC9	م	ARABIC LIGATURE LAM WITH JEEM INITIAL FORM ≈ <initial> 0644 ل 062C ج	FCDE	ه	ARABIC LIGATURE YEH WITH HEH INITIAL FORM ≈ <initial> 064A ي 0647 ه
FCCA	ج	ARABIC LIGATURE LAM WITH HAH INITIAL FORM ≈ <initial> 0644 ل 062D ج	FCDF	م	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH MEEM MEDIAL FORM ≈ <medial> 0626 ئ 0645 م
FCCB	ج	ARABIC LIGATURE LAM WITH KHAH INITIAL FORM ≈ <initial> 0644 ل 062E ح	FCE0	ه	ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH HEH MEDIAL FORM ≈ <medial> 0626 ئ 0647 ه
FCCC	م	ARABIC LIGATURE LAM WITH MEEM INITIAL FORM ≈ <initial> 0644 ل 0645 م	FCE1	م	ARABIC LIGATURE BEH WITH MEEM MEDIAL FORM ≈ <medial> 0628 ب 0645 م
FCCD	م	ARABIC LIGATURE LAM WITH HEH INITIAL FORM ≈ <initial> 0644 ل 0647 ه	FCE2	ه	ARABIC LIGATURE BEH WITH HEH MEDIAL FORM ≈ <medial> 0628 ب 0647 ه
FCCE	م	ARABIC LIGATURE MEEM WITH JEEM INITIAL FORM ≈ <initial> 0645 م 062C ج	FCE3	م	ARABIC LIGATURE TEH WITH MEEM MEDIAL FORM ≈ <medial> 062A ت 0645 م
FCCF	ج	ARABIC LIGATURE MEEM WITH HAH INITIAL FORM ≈ <initial> 0645 م 062D ج	FCE4	ه	ARABIC LIGATURE TEH WITH HEH MEDIAL FORM ≈ <medial> 062A ت 0647 ه
FCD0	ج	ARABIC LIGATURE MEEM WITH KHAH INITIAL FORM ≈ <initial> 0645 م 062E ح	FCE5	م	ARABIC LIGATURE THEH WITH MEEM MEDIAL FORM ≈ <medial> 062B ث 0645 م

FCE6	هـ	ARABIC LIGATURE THEH WITH HEH MEDIAL FORM ≈ <medial> 062B هـ 0647 ث	FCFB	سى	ARABIC LIGATURE SEEN WITH ALEF MAKSURA ISOLATED FORM ≈ <isolated> 0633 س 0649 ي
FCE7	م	ARABIC LIGATURE SEEN WITH MEEM MEDIAL FORM ≈ <medial> 0633 م 0645 س	FCFC	سي	ARABIC LIGATURE SEEN WITH YEH ISOLATED FORM ≈ <isolated> 0633 س 064A ي
FCE8	هـ	ARABIC LIGATURE SEEN WITH HEH MEDIAL FORM ≈ <medial> 0633 هـ 0647 س	FCFD	شي	ARABIC LIGATURE SHEEN WITH ALEF MAKSURA ISOLATED FORM ≈ <isolated> 0634 ش 0649 ي
FCE9	هـ	ARABIC LIGATURE SHEEN WITH MEEM MEDIAL FORM ≈ <medial> 0634 ش 0645 م	FCFE	شي	ARABIC LIGATURE SHEEN WITH YEH ISOLATED FORM ≈ <isolated> 0634 ش 064A ي
FCEA	هـ	ARABIC LIGATURE SHEEN WITH HEH MEDIAL FORM ≈ <medial> 0634 ش 0647 هـ	FCFF	حي	ARABIC LIGATURE HAH WITH ALEF MAKSURA ISOLATED FORM ≈ <isolated> 062D ح 0649 ي
FCEB	ك	ARABIC LIGATURE KAF WITH LAM MEDIAL FORM ≈ <medial> 0643 ك 0644 ل	FD00	حي	ARABIC LIGATURE HAH WITH YEH ISOLATED FORM ≈ <isolated> 062D ح 064A ي
FCEC	ك	ARABIC LIGATURE KAF WITH MEEM MEDIAL FORM ≈ <medial> 0643 ك 0645 م	FD01	جي	ARABIC LIGATURE JEEM WITH ALEF MAKSURA ISOLATED FORM ≈ <isolated> 062C ج 0649 ي
FCED	ل	ARABIC LIGATURE LAM WITH MEEM MEDIAL FORM ≈ <medial> 0644 ل 0645 م	FD02	جي	ARABIC LIGATURE JEEM WITH YEH ISOLATED FORM ≈ <isolated> 062C ج 064A ي
FCEE	ن	ARABIC LIGATURE NOON WITH MEEM MEDIAL FORM ≈ <medial> 0646 ن 0645 م	FD03	خي	ARABIC LIGATURE KHAH WITH ALEF MAKSURA ISOLATED FORM ≈ <isolated> 062E خ 0649 ي
FCEF	هـ	ARABIC LIGATURE NOON WITH HEH MEDIAL FORM ≈ <medial> 0646 ن 0647 هـ	FD04	خي	ARABIC LIGATURE KHAH WITH YEH ISOLATED FORM ≈ <isolated> 062E خ 064A ي
FCF0	ي	ARABIC LIGATURE YEH WITH MEEM MEDIAL FORM ≈ <medial> 064A ي 0645 م	FD05	صي	ARABIC LIGATURE SAD WITH ALEF MAKSURA ISOLATED FORM ≈ <isolated> 0635 ص 0649 ي
FCF1	هـ	ARABIC LIGATURE YEH WITH HEH MEDIAL FORM ≈ <medial> 064A ي 0647 هـ	FD06	صي	ARABIC LIGATURE SAD WITH YEH ISOLATED FORM ≈ <isolated> 0635 ص 064A ي
FCF2	ء	ARABIC LIGATURE SHADDA WITH FATHA MEDIAL FORM ≈ <medial> 0640 - 064E ء 0651 َ	FD07	ضي	ARABIC LIGATURE DAD WITH ALEF MAKSURA ISOLATED FORM ≈ <isolated> 0636 ض 0649 ي
FCF3	ء	ARABIC LIGATURE SHADDA WITH DAMMA MEDIAL FORM ≈ <medial> 0640 - 064F ء 0651 ُ	FD08	ضي	ARABIC LIGATURE DAD WITH YEH ISOLATED FORM ≈ <isolated> 0636 ض 064A ي
FCF4	ء	ARABIC LIGATURE SHADDA WITH KASRA MEDIAL FORM ≈ <medial> 0640 - 0650 ء 0651 ِ	FD09	شج	ARABIC LIGATURE SHEEN WITH JEEM ISOLATED FORM ≈ <isolated> 0634 ش 062C ج
FCF5	طي	ARABIC LIGATURE TAH WITH ALEF MAKSURA ISOLATED FORM ≈ <isolated> 0637 ط 0649 ي	FD0A	شج	ARABIC LIGATURE SHEEN WITH HAH ISOLATED FORM ≈ <isolated> 0634 ش 062D ح
FCF6	طي	ARABIC LIGATURE TAH WITH YEH ISOLATED FORM ≈ <isolated> 0637 ط 064A ي	FD0B	شج	ARABIC LIGATURE SHEEN WITH KHAH ISOLATED FORM ≈ <isolated> 0634 ش 062E خ
FCF7	عي	ARABIC LIGATURE AIN WITH ALEF MAKSURA ISOLATED FORM ≈ <isolated> 0639 ع 0649 ي	FD0C	شم	ARABIC LIGATURE SHEEN WITH MEEM ISOLATED FORM ≈ <isolated> 0634 ش 0645 م
FCF8	عي	ARABIC LIGATURE AIN WITH YEH ISOLATED FORM ≈ <isolated> 0639 ع 064A ي	FD0D	شر	ARABIC LIGATURE SHEEN WITH REH ISOLATED FORM ≈ <isolated> 0634 ش 0631 ر
FCF9	غني	ARABIC LIGATURE GHAIN WITH ALEF MAKSURA ISOLATED FORM ≈ <isolated> 063A غ 0649 ي	FD0E	سر	ARABIC LIGATURE SEEN WITH REH ISOLATED FORM ≈ <isolated> 0633 س 0631 ر
FCFA	غني	ARABIC LIGATURE GHAIN WITH YEH ISOLATED FORM ≈ <isolated> 063A غ 064A ي	FD0F	صر	ARABIC LIGATURE SAD WITH REH ISOLATED FORM ≈ <isolated> 0635 ص 0631 ر


















FD10	ض	ARABIC LIGATURE DAD WITH REH ISOLATED FORM ≈ <isolated> 0636 ض 0631 ر	FD27	شخ	ARABIC LIGATURE SHEEN WITH KHAH FINAL FORM ≈ <final> 0634 ش 062E خ
FD11	ط	ARABIC LIGATURE TAH WITH ALEF MAKSURA FINAL FORM ≈ <final> 0637 ط 0649 ي	FD28	شم	ARABIC LIGATURE SHEEN WITH MEEM FINAL FORM ≈ <final> 0634 ش 0645 م
FD12	ط	ARABIC LIGATURE TAH WITH YEH FINAL FORM ≈ <final> 0637 ط 064A ي	FD29	شر	ARABIC LIGATURE SHEEN WITH REH FINAL FORM ≈ <final> 0634 ش 0631 ر
FD13	هي	ARABIC LIGATURE AIN WITH ALEF MAKSURA FINAL FORM ≈ <final> 0639 ع 0649 ي	FD2A	سر	ARABIC LIGATURE SEEN WITH REH FINAL FORM ≈ <final> 0633 س 0631 ر
FD14	هي	ARABIC LIGATURE AIN WITH YEH FINAL FORM ≈ <final> 0639 ع 064A ي	FD2B	صر	ARABIC LIGATURE SAD WITH REH FINAL FORM ≈ <final> 0635 ص 0631 ر
FD15	غي	ARABIC LIGATURE GHAIN WITH ALEF MAKSURA FINAL FORM ≈ <final> 063A غ 0649 ي	FD2C	حضر	ARABIC LIGATURE DAD WITH REH FINAL FORM ≈ <final> 0636 ض 0631 ر
FD16	غي	ARABIC LIGATURE GHAIN WITH YEH FINAL FORM ≈ <final> 063A غ 064A ي	FD2D	ثج	ARABIC LIGATURE SHEEN WITH JEEM INITIAL FORM ≈ <initial> 0634 ش 062C ج
FD17	سي	ARABIC LIGATURE SEEN WITH ALEF MAKSURA FINAL FORM ≈ <final> 0633 س 0649 ي	FD2E	ثح	ARABIC LIGATURE SHEEN WITH HAH INITIAL FORM ≈ <initial> 0634 ش 062D ح
FD18	سي	ARABIC LIGATURE SEEN WITH YEH FINAL FORM ≈ <final> 0633 س 064A ي	FD2F	ثخ	ARABIC LIGATURE SHEEN WITH KHAH INITIAL FORM ≈ <initial> 0634 ش 062E خ
FD19	شي	ARABIC LIGATURE SHEEN WITH ALEF MAKSURA FINAL FORM ≈ <final> 0634 ش 0649 ي	FD30	ثم	ARABIC LIGATURE SHEEN WITH MEEM INITIAL FORM ≈ <initial> 0634 ش 0645 م
FD1A	شي	ARABIC LIGATURE SHEEN WITH YEH FINAL FORM ≈ <final> 0634 ش 064A ي	FD31	سه	ARABIC LIGATURE SEEN WITH HEH INITIAL FORM ≈ <initial> 0633 س 0647 هـ
FD1B	هي	ARABIC LIGATURE HAH WITH ALEF MAKSURA FINAL FORM ≈ <final> 062D ح 0649 ي	FD32	شه	ARABIC LIGATURE SHEEN WITH HEH INITIAL FORM ≈ <initial> 0634 ش 0647 هـ
FD1C	هي	ARABIC LIGATURE HAH WITH YEH FINAL FORM ≈ <final> 062D ح 064A ي	FD33	ط	ARABIC LIGATURE TAH WITH MEEM INITIAL FORM ≈ <initial> 0637 ط 0645 م
FD1D	جي	ARABIC LIGATURE JEEM WITH ALEF MAKSURA FINAL FORM ≈ <final> 062C ج 0649 ي	FD34	ثج	ARABIC LIGATURE SEEN WITH JEEM MEDIAL FORM ≈ <medial> 0633 س 062C ج
FD1E	جي	ARABIC LIGATURE JEEM WITH YEH FINAL FORM ≈ <final> 062C ج 064A ي	FD35	ثح	ARABIC LIGATURE SEEN WITH HAH MEDIAL FORM ≈ <medial> 0633 س 062D ح
FD1F	غي	ARABIC LIGATURE KHAH WITH ALEF MAKSURA FINAL FORM ≈ <final> 062E خ 0649 ي	FD36	ثخ	ARABIC LIGATURE SEEN WITH KHAH MEDIAL FORM ≈ <medial> 0633 س 062E خ
FD20	غي	ARABIC LIGATURE KHAH WITH YEH FINAL FORM ≈ <final> 062E خ 064A ي	FD37	ثج	ARABIC LIGATURE SHEEN WITH JEEM MEDIAL FORM ≈ <medial> 0634 ش 062C ج
FD21	هي	ARABIC LIGATURE SAD WITH ALEF MAKSURA FINAL FORM ≈ <final> 0635 ص 0649 ي	FD38	ثح	ARABIC LIGATURE SHEEN WITH HAH MEDIAL FORM ≈ <medial> 0634 ش 062D ح
FD22	هي	ARABIC LIGATURE SAD WITH YEH FINAL FORM ≈ <final> 0635 ص 064A ي	FD39	ثخ	ARABIC LIGATURE SHEEN WITH KHAH MEDIAL FORM ≈ <medial> 0634 ش 062E خ
FD23	خي	ARABIC LIGATURE DAD WITH ALEF MAKSURA FINAL FORM ≈ <final> 0636 ض 0649 ي	FD3A	ط	ARABIC LIGATURE TAH WITH MEEM MEDIAL FORM ≈ <medial> 0637 ط 0645 م
FD24	خي	ARABIC LIGATURE DAD WITH YEH FINAL FORM ≈ <final> 0636 ض 064A ي	FD3B	ظ	ARABIC LIGATURE ZAH WITH MEEM MEDIAL FORM ≈ <medial> 0638 ط 0645 م
FD25	شخ	ARABIC LIGATURE SHEEN WITH JEEM FINAL FORM ≈ <final> 0634 ش 062C ج	FD3C	آ	ARABIC LIGATURE ALEF WITH FATHATAN FINAL FORM ≈ <final> 0627 آ 064B َ
FD26	شخ	ARABIC LIGATURE SHEEN WITH HAH FINAL FORM ≈ <final> 0634 ش 062D ح			

FD3D	ا	ARABIC LIGATURE ALEF WITH FATHATAN ISOLATED FORM ≈ <isolated> 0627 ا 064B ا	FD63	سم	ARABIC LIGATURE SEEN WITH MEEM WITH MEEM INITIAL FORM ≈ <initial> 0633 س 0645 م 0645 م
<b>Punctuation</b>			FD64	هه	ARABIC LIGATURE SAD WITH HAH WITH HAH FINAL FORM ≈ <final> 0635 ص 062D ح 062D ح
FD3E	⸮	ORNATE LEFT PARENTHESIS	FD65	هه	ARABIC LIGATURE SAD WITH HAH WITH HAH INITIAL FORM ≈ <initial> 0635 ص 062D ح 062D ح
FD3F	⸮	ORNATE RIGHT PARENTHESIS	FD66	هم	ARABIC LIGATURE SAD WITH MEEM WITH MEEM FINAL FORM ≈ <final> 0635 ص 0645 م 0645 م
<b>Ligatures (three elements)</b>			FD67	هه	ARABIC LIGATURE SHEEN WITH HAH WITH MEEM FINAL FORM ≈ <final> 0634 ش 062D ح 0645 م
FD50	ته	ARABIC LIGATURE TEH WITH JEEM WITH MEEM INITIAL FORM ≈ <initial> 062A ت 062C ج 0645 م	FD68	هه	ARABIC LIGATURE SHEEN WITH HAH WITH MEEM INITIAL FORM ≈ <initial> 0634 ش 062D ح 0645 م
FD51	هه	ARABIC LIGATURE TEH WITH HAH WITH JEEM FINAL FORM ≈ <final> 062A ت 062D ح 062C ج	FD69	هه	ARABIC LIGATURE SHEEN WITH JEEM WITH YEH FINAL FORM ≈ <final> 0634 ش 062C ج 064A ي
FD52	ته	ARABIC LIGATURE TEH WITH HAH WITH JEEM INITIAL FORM ≈ <initial> 062A ت 062D ح 062C ج	FD6A	هه	ARABIC LIGATURE SHEEN WITH MEEM WITH KHAH FINAL FORM ≈ <final> 0634 ش 0645 م 062E خ
FD53	ته	ARABIC LIGATURE TEH WITH HAH WITH MEEM INITIAL FORM ≈ <initial> 062A ت 062D ح 0645 م	FD6B	هه	ARABIC LIGATURE SHEEN WITH MEEM WITH KHAH INITIAL FORM ≈ <initial> 0634 ش 0645 م 062E خ
FD54	ته	ARABIC LIGATURE TEH WITH KHAH WITH MEEM INITIAL FORM ≈ <initial> 062A ت 062E خ 0645 م	FD6C	هه	ARABIC LIGATURE SHEEN WITH MEEM WITH MEEM FINAL FORM ≈ <final> 0634 ش 0645 م 0645 م
FD55	ته	ARABIC LIGATURE TEH WITH MEEM WITH JEEM INITIAL FORM ≈ <initial> 062A ت 0645 م 062C ج	FD6D	هه	ARABIC LIGATURE SHEEN WITH MEEM WITH MEEM INITIAL FORM ≈ <initial> 0634 ش 0645 م 0645 م
FD56	ته	ARABIC LIGATURE TEH WITH MEEM WITH HAH INITIAL FORM ≈ <initial> 062A ت 0645 م 062D ح	FD6E	هه	ARABIC LIGATURE DAD WITH HAH WITH ALEF MAKSURA FINAL FORM ≈ <final> 0636 ض 062D ح 0649 ي
FD57	ته	ARABIC LIGATURE TEH WITH MEEM WITH KHAH INITIAL FORM ≈ <initial> 062A ت 0645 م 062E خ	FD6F	هه	ARABIC LIGATURE DAD WITH KHAH WITH MEEM FINAL FORM ≈ <final> 0636 ض 062E خ 0645 م
FD58	هه	ARABIC LIGATURE JEEM WITH MEEM WITH HAH FINAL FORM ≈ <final> 062C ج 0645 م 062D ح	FD70	هه	ARABIC LIGATURE DAD WITH KHAH WITH MEEM INITIAL FORM ≈ <initial> 0636 ض 062E خ 0645 م
FD59	هه	ARABIC LIGATURE JEEM WITH MEEM WITH HAH INITIAL FORM ≈ <initial> 062C ج 0645 م 062D ح	FD71	هه	ARABIC LIGATURE TAH WITH MEEM WITH HAH FINAL FORM ≈ <final> 0637 ط 0645 م 062D ح
FD5A	هه	ARABIC LIGATURE HAH WITH MEEM WITH YEH FINAL FORM ≈ <final> 062D ح 0645 م 064A ي	FD72	هه	ARABIC LIGATURE TAH WITH MEEM WITH HAH INITIAL FORM ≈ <initial> 0637 ط 0645 م 062D ح
FD5B	هه	ARABIC LIGATURE HAH WITH MEEM WITH ALEF MAKSURA FINAL FORM ≈ <final> 062D ح 0645 م 0649 ي	FD73	هه	ARABIC LIGATURE TAH WITH MEEM WITH MEEM INITIAL FORM ≈ <initial> 0637 ط 0645 م 0645 م
FD5C	هه	ARABIC LIGATURE SEEN WITH HAH WITH JEEM INITIAL FORM ≈ <initial> 0633 س 062D ح 062C ج	FD74	هه	ARABIC LIGATURE TAH WITH MEEM WITH YEH FINAL FORM ≈ <final> 0637 ط 0645 م 064A ي
FD5D	هه	ARABIC LIGATURE SEEN WITH JEEM WITH HAH INITIAL FORM ≈ <initial> 0633 س 062C ج 062D ح	FD75	هه	ARABIC LIGATURE AIN WITH JEEM WITH MEEM FINAL FORM ≈ <final> 0639 ع 062C ج 0645 م
FD5E	هه	ARABIC LIGATURE SEEN WITH JEEM WITH ALEF MAKSURA FINAL FORM ≈ <final> 0633 س 062C ج 0649 ي	FD76	هه	ARABIC LIGATURE AIN WITH MEEM WITH MEEM FINAL FORM ≈ <final> 0639 ع 0645 م 0645 م
FD5F	هه	ARABIC LIGATURE SEEN WITH MEEM WITH HAH FINAL FORM ≈ <final> 0633 س 0645 م 062D ح	FD77	هه	ARABIC LIGATURE AIN WITH MEEM WITH MEEM INITIAL FORM ≈ <initial> 0639 ع 0645 م 0645 م
FD60	هه	ARABIC LIGATURE SEEN WITH MEEM WITH HAH INITIAL FORM ≈ <initial> 0633 س 0645 م 062D ح			
FD61	هه	ARABIC LIGATURE SEEN WITH MEEM WITH JEEM INITIAL FORM ≈ <initial> 0633 س 0645 م 062C ج			
FD62	هه	ARABIC LIGATURE SEEN WITH MEEM WITH MEEM FINAL FORM ≈ <final> 0633 س 0645 م 0645 م			

FD78	هـى	ARABIC LIGATURE AIN WITH MEEM WITH ALEF MAKSURA FINAL FORM ≈ <final> 0639 ع 0645 م 0649 ي	FD8D	هـم	ARABIC LIGATURE MEEM WITH JEEM WITH MEEM INITIAL FORM ≈ <initial> 0645 م 062C ج 0645 م
FD79	هـم	ARABIC LIGATURE GHAIN WITH MEEM WITH MEEM FINAL FORM ≈ <final> 063A غ 0645 م 0645 م	FD8E	هـخ	ARABIC LIGATURE MEEM WITH KHAH WITH JEEM INITIAL FORM ≈ <initial> 0645 م 062E خ 062C ج
FD7A	هـي	ARABIC LIGATURE GHAIN WITH MEEM WITH YEH FINAL FORM ≈ <final> 063A غ 0645 م 064A ي	FD8F	هـز	ARABIC LIGATURE MEEM WITH KHAH WITH MEEM INITIAL FORM ≈ <initial> 0645 م 062E خ 0645 م
FD7B	هـى	ARABIC LIGATURE GHAIN WITH MEEM WITH ALEF MAKSURA FINAL FORM ≈ <final> 063A غ 0645 م 0649 ي	FD90	⊠	<reserved>
FD7C	هـم	ARABIC LIGATURE FEH WITH KHAH WITH MEEM FINAL FORM ≈ <final> 0641 ف 062E خ 0645 م	FD91	⊠	<reserved>
FD7D	هـخ	ARABIC LIGATURE FEH WITH KHAH WITH MEEM INITIAL FORM ≈ <initial> 0641 ف 062E خ 0645 م	FD92	هـح	ARABIC LIGATURE MEEM WITH JEEM WITH KHAH INITIAL FORM ≈ <initial> 0645 م 062C ج 062E خ
FD7E	هـح	ARABIC LIGATURE QAF WITH MEEM WITH HAH FINAL FORM ≈ <final> 0642 ق 0645 م 062D ح	FD93	هـج	ARABIC LIGATURE HEH WITH MEEM WITH JEEM INITIAL FORM ≈ <initial> 0647 هـ 0645 م 062C ج
FD7F	هـم	ARABIC LIGATURE QAF WITH MEEM WITH MEEM FINAL FORM ≈ <final> 0642 ق 0645 م 0645 م	FD94	هـد	ARABIC LIGATURE HEH WITH MEEM WITH MEEM INITIAL FORM ≈ <initial> 0647 هـ 0645 م 0645 م
FD80	هـم	ARABIC LIGATURE LAM WITH HAH WITH MEEM FINAL FORM ≈ <final> 0644 ل 062D ح 0645 م	FD95	هـن	ARABIC LIGATURE NOON WITH HAH WITH MEEM INITIAL FORM ≈ <initial> 0646 ن 062D ح 0645 م
FD81	هـي	ARABIC LIGATURE LAM WITH HAH WITH YEH FINAL FORM ≈ <final> 0644 ل 062D ح 064A ي	FD96	هـخ	ARABIC LIGATURE NOON WITH HAH WITH ALEF MAKSURA FINAL FORM ≈ <final> 0646 ن 062D ح 0649 ي
FD82	هـى	ARABIC LIGATURE LAM WITH HAH WITH ALEF MAKSURA FINAL FORM ≈ <final> 0644 ل 062D ح 0649 ي	FD97	هـم	ARABIC LIGATURE NOON WITH JEEM WITH MEEM FINAL FORM ≈ <final> 0646 ن 062C ج 0645 م
FD83	هـم	ARABIC LIGATURE LAM WITH JEEM WITH JEEM INITIAL FORM ≈ <initial> 0644 ل 062C ج 062C ج	FD98	هـن	ARABIC LIGATURE NOON WITH JEEM WITH MEEM INITIAL FORM ≈ <initial> 0646 ن 062C ج 0645 م
FD84	هـم	ARABIC LIGATURE LAM WITH JEEM WITH JEEM FINAL FORM ≈ <final> 0644 ل 062C ج 062C ج	FD99	هـي	ARABIC LIGATURE NOON WITH JEEM WITH ALEF MAKSURA FINAL FORM ≈ <final> 0646 ن 062C ج 0649 ي
FD85	هـم	ARABIC LIGATURE LAM WITH KHAH WITH MEEM FINAL FORM ≈ <final> 0644 ل 062E خ 0645 م	FD9A	هـي	ARABIC LIGATURE NOON WITH MEEM WITH YEH FINAL FORM ≈ <final> 0646 ن 0645 م 064A ي
FD86	هـم	ARABIC LIGATURE LAM WITH KHAH WITH MEEM INITIAL FORM ≈ <initial> 0644 ل 062E خ 0645 م	FD9B	هـى	ARABIC LIGATURE NOON WITH MEEM WITH ALEF MAKSURA FINAL FORM ≈ <final> 0646 ن 0645 م 0649 ي
FD87	هـح	ARABIC LIGATURE LAM WITH MEEM WITH HAH FINAL FORM ≈ <final> 0644 ل 0645 م 062D ح	FD9C	هـم	ARABIC LIGATURE YEH WITH MEEM WITH MEEM FINAL FORM ≈ <final> 064A ي 0645 م 0645 م
FD88	هـح	ARABIC LIGATURE LAM WITH MEEM WITH HAH INITIAL FORM ≈ <initial> 0644 ل 0645 م 062D ح	FD9D	هـد	ARABIC LIGATURE YEH WITH MEEM WITH MEEM INITIAL FORM ≈ <initial> 064A ي 0645 م 0645 م
FD89	هـم	ARABIC LIGATURE MEEM WITH HAH WITH JEEM INITIAL FORM ≈ <initial> 0645 م 062D ح 062C ج	FD9E	هـج	ARABIC LIGATURE BEH WITH KHAH WITH YEH FINAL FORM ≈ <final> 0628 ب 062E خ 064A ي
FD8A	هـم	ARABIC LIGATURE MEEM WITH HAH WITH MEEM INITIAL FORM ≈ <initial> 0645 م 062D ح 0645 م	FD9F	هـي	ARABIC LIGATURE TEH WITH JEEM WITH YEH FINAL FORM ≈ <final> 062A ت 062C ج 064A ي
FD8B	هـي	ARABIC LIGATURE MEEM WITH HAH WITH YEH FINAL FORM ≈ <final> 0645 م 062D ح 064A ي	FDA0	هـي	ARABIC LIGATURE TEH WITH JEEM WITH ALEF MAKSURA FINAL FORM ≈ <final> 062A ت 062C ج 0649 ي
FD8C	هـم	ARABIC LIGATURE MEEM WITH JEEM WITH HAH INITIAL FORM ≈ <initial> 0645 م 062C ج 062D ح	FDA1	هـخ	ARABIC LIGATURE TEH WITH KHAH WITH YEH FINAL FORM ≈ <final> 062A ت 062E خ 064A ي
			FDA2	هـخ	ARABIC LIGATURE TEH WITH KHAH WITH ALEF MAKSURA FINAL FORM ≈ <final> 062A ت 062E خ 0649 ي
			FDA3	هـي	ARABIC LIGATURE TEH WITH MEEM WITH YEH FINAL FORM ≈ <final> 062A ت 0645 م 064A ي

FDA4	تس	ARABIC LIGATURE TEH WITH MEEM WITH ALEF MAKSURA FINAL FORM ≈ <final> 062A ت 0645 م 0649 ي	FDB9	تس	ARABIC LIGATURE MEEM WITH KHAH WITH YEH FINAL FORM ≈ <final> 0645 م 062E خ 064A ي
FDA5	تس	ARABIC LIGATURE JEEM WITH MEEM WITH YEH FINAL FORM ≈ <final> 062C ج 0645 م 064A ي	FDBA	تس	ARABIC LIGATURE LAM WITH JEEM WITH MEEM INITIAL FORM ≈ <initial> 0644 ل 062C ج 0645 م
FDA6	تس	ARABIC LIGATURE JEEM WITH HAH WITH ALEF MAKSURA FINAL FORM ≈ <final> 062C ج 062D ح 0649 ي	FDBB	تس	ARABIC LIGATURE KAF WITH MEEM WITH MEEM FINAL FORM ≈ <final> 0643 ك 0645 م 0645 م
FDA7	تس	ARABIC LIGATURE JEEM WITH MEEM WITH ALEF MAKSURA FINAL FORM ≈ <final> 062C ج 0645 م 0649 ي	FDBC	تس	ARABIC LIGATURE LAM WITH JEEM WITH MEEM FINAL FORM ≈ <final> 0644 ل 062C ج 0645 م
FDA8	تس	ARABIC LIGATURE SEEN WITH KHAH WITH ALEF MAKSURA FINAL FORM ≈ <final> 0633 س 062E خ 0649 ي	FDBD	تس	ARABIC LIGATURE NOON WITH JEEM WITH HAH FINAL FORM ≈ <final> 0646 ن 062C ج 062D ح
FDA9	تس	ARABIC LIGATURE SAD WITH HAH WITH YEH FINAL FORM ≈ <final> 0635 ص 062D ح 064A ي	FDBE	تس	ARABIC LIGATURE JEEM WITH HAH WITH YEH FINAL FORM ≈ <final> 062C ج 062D ح 064A ي
FDAA	تس	ARABIC LIGATURE SHEEN WITH HAH WITH YEH FINAL FORM ≈ <final> 0634 ش 062D ح 064A ي	FDBF	تس	ARABIC LIGATURE HAH WITH JEEM WITH YEH FINAL FORM ≈ <final> 062D ح 062C ج 064A ي
FDAB	تس	ARABIC LIGATURE DAD WITH HAH WITH YEH FINAL FORM ≈ <final> 0636 ض 062D ح 064A ي	FDC0	تس	ARABIC LIGATURE MEEM WITH JEEM WITH YEH FINAL FORM ≈ <final> 0645 م 062C ج 064A ي
FDAC	تس	ARABIC LIGATURE LAM WITH JEEM WITH YEH FINAL FORM ≈ <final> 0644 ل 062C ج 064A ي	FDC1	تس	ARABIC LIGATURE FEH WITH MEEM WITH YEH FINAL FORM ≈ <final> 0641 ف 0645 م 064A ي
FDAD	تس	ARABIC LIGATURE LAM WITH MEEM WITH YEH FINAL FORM ≈ <final> 0644 ل 0645 م 064A ي	FDC2	تس	ARABIC LIGATURE BEH WITH HAH WITH YEH FINAL FORM ≈ <final> 0628 ب 062D ح 064A ي
FDAE	تس	ARABIC LIGATURE YEH WITH HAH WITH YEH FINAL FORM ≈ <final> 064A ي 062D ح 064A ي	FDC3	تس	ARABIC LIGATURE KAF WITH MEEM WITH MEEM INITIAL FORM ≈ <initial> 0643 ك 0645 م 0645 م
FDAF	تس	ARABIC LIGATURE YEH WITH JEEM WITH YEH FINAL FORM ≈ <final> 064A ي 062C ج 064A ي	FDC4	تس	ARABIC LIGATURE AIN WITH JEEM WITH MEEM INITIAL FORM ≈ <initial> 0639 ع 062C ج 0645 م
FDB0	تس	ARABIC LIGATURE YEH WITH MEEM WITH YEH FINAL FORM ≈ <final> 064A ي 0645 م 064A ي	FDC5	تس	ARABIC LIGATURE SAD WITH MEEM WITH MEEM INITIAL FORM ≈ <initial> 0635 ص 0645 م 0645 م
FDB1	تس	ARABIC LIGATURE MEEM WITH MEEM WITH YEH FINAL FORM ≈ <final> 0645 م 0645 م 064A ي	FDC6	تس	ARABIC LIGATURE SEEN WITH KHAH WITH YEH FINAL FORM ≈ <final> 0633 س 062E خ 064A ي
FDB2	تس	ARABIC LIGATURE QAF WITH MEEM WITH YEH FINAL FORM ≈ <final> 0642 ق 0645 م 064A ي	FDC7	تس	ARABIC LIGATURE NOON WITH JEEM WITH YEH FINAL FORM ≈ <final> 0646 ن 062C ج 064A ي
FDB3	تس	ARABIC LIGATURE NOON WITH HAH WITH YEH FINAL FORM ≈ <final> 0646 ن 062D ح 064A ي	<b>Noncharacters</b>		
FDB4	تس	ARABIC LIGATURE QAF WITH MEEM WITH HAH INITIAL FORM ≈ <initial> 0642 ق 0645 م 062D ح	<i>These codes are intended for process-internal uses, but are not permitted for interchange.</i>		
FDB5	تس	ARABIC LIGATURE LAM WITH HAH WITH MEEM INITIAL FORM ≈ <initial> 0644 ل 062D ح 0645 م	FDD0	■	<not a character>
FDB6	تس	ARABIC LIGATURE AIN WITH MEEM WITH YEH FINAL FORM ≈ <final> 0639 ع 0645 م 064A ي	FDD1	■	<not a character>
FDB7	تس	ARABIC LIGATURE KAF WITH MEEM WITH YEH FINAL FORM ≈ <final> 0643 ك 0645 م 064A ي	FDD2	■	<not a character>
FDB8	تس	ARABIC LIGATURE NOON WITH JEEM WITH HAH INITIAL FORM ≈ <initial> 0646 ن 062C ج 062D ح	FDD3	■	<not a character>
			FDD4	■	<not a character>
			FDD5	■	<not a character>
			FDD6	■	<not a character>
			FDD7	■	<not a character>
			FDD8	■	<not a character>
			FDD9	■	<not a character>
			FDDA	■	<not a character>
			FDDB	■	<not a character>
			FDDC	■	<not a character>
			FDDD	■	<not a character>
			FDDE	■	<not a character>



FDDF  <not a character>  
 FDE0  <not a character>  
 FDE1  <not a character>  
 FDE2  <not a character>  
 FDE3  <not a character>  
 FDE4  <not a character>  
 FDE5  <not a character>  
 FDE6  <not a character>  
 FDE7  <not a character>  
 FDE8  <not a character>  
 FDE9  <not a character>  
 FDEA  <not a character>  
 FDEB  <not a character>  
 FDEC  <not a character>  
 FDED  <not a character>  
 FDEE  <not a character>  
 FDEF  <not a character>

**Word ligatures**

FDF0  ARABIC LIGATURE SALLA USED AS KORANIC STOP SIGN ISOLATED FORM  
 ≈ <isolated> 0635 ص 0644 ل 06D2 ع


FDF1  ARABIC LIGATURE QALA USED AS KORANIC STOP SIGN ISOLATED FORM  
 ≈ <isolated> 0642 ق 0644 ل 06D2 ع

FDF2  ARABIC LIGATURE ALLAH ISOLATED FORM  
 ≈ <isolated> 0627 ا 0644 ل 0644 ل 0647 هـ

FDF3  ARABIC LIGATURE AKBAR ISOLATED FORM  
 ≈ <isolated> 0627 ا 0643 ك 0628 ب 0631 ر

FDF4  ARABIC LIGATURE MOHAMMAD ISOLATED FORM  
 ≈ <isolated> 0645 م 062D ح 0645 م 062F د

FDF5  ARABIC LIGATURE SALAM ISOLATED FORM  
 ≈ <isolated> 0635 ص 0644 ل 0639 ع 0645 م

FDF6  ARABIC LIGATURE RASOUL ISOLATED FORM  
 ≈ <isolated> 0631 ر 0633 س 0648 و 0644 ل

FDF7  ARABIC LIGATURE ALAYHE ISOLATED FORM  
 ≈ <isolated> 0639 ع 0644 ل 064A ي 0647 هـ

FDF8  ARABIC LIGATURE WASALLAM ISOLATED FORM  
 ≈ <isolated> 0648 و 0633 س 0644 ل 0645 م

FDF9  ARABIC LIGATURE SALLA ISOLATED FORM  
 ≈ <isolated> 0635 ص 0644 ل 0649 ي


FDFa  ARABIC LIGATURE SALLALLAHOU ALAYHE WASALLAM  
 ≈ <isolated> 0635 ص 0644 ل 0649 ي 0020   
 0627 ا 0644 ل 0644 ل 0647 هـ 0020  0639 ح  
 0644 ل 064A ي 0647 هـ 0020  0648 و 0633 س  
 0644 ل 0645 م

FDFb  ARABIC LIGATURE JALLAJALALOUHOU  
 ≈ <isolated> 062C ج 0644 ل 0020  062C ج  
 0644 ل 0627 ا 0644 ل 0647 هـ

**Currency sign**

FDFc  RIAL SIGN  
 ≈ <isolated> 0631 ر 06CC ي 0627 ا 0644 ل

**Symbol**

FDFd  ARABIC LIGATURE BISMILLAH AR-RAHMAN AR-RAHEEM

	FE0
0	VS 1 FE00
1	VS 2 FE01
2	VS 3 FE02
3	VS 4 FE03
4	VS 5 FE04
5	VS 6 FE05
6	VS 7 FE06
7	VS 8 FE07
8	VS 9 FE08
9	VS 10 FE09
A	VS 11 FE0A
B	VS 12 FE0B
C	VS 13 FE0C
D	VS 14 FE0D
E	VS 15 FE0E
F	VS 16 FE0F

### Variation selectors

Combining characters; in conjunction with the preceding character these indicate a predetermined choice of variant glyph








FE00	VS 1	VARIATION SELECTOR-1	
		• these are abbreviated VS1, and so on	
FE01	VS 2	VARIATION SELECTOR-2	
FE02	VS 3	VARIATION SELECTOR-3	
FE03	VS 4	VARIATION SELECTOR-4	
FE04	VS 5	VARIATION SELECTOR-5	
FE05	VS 6	VARIATION SELECTOR-6	
FE06	VS 7	VARIATION SELECTOR-7	
FE07	VS 8	VARIATION SELECTOR-8	
FE08	VS 9	VARIATION SELECTOR-9	
FE09	VS 10	VARIATION SELECTOR-10	
FE0A	VS 11	VARIATION SELECTOR-11	
FE0B	VS 12	VARIATION SELECTOR-12	
FE0C	VS 13	VARIATION SELECTOR-13	
FE0D	VS 14	VARIATION SELECTOR-14	
FE0E	VS 15	VARIATION SELECTOR-15	
FE0F	VS 16	VARIATION SELECTOR-16	

	FE1
0	’
	FE10
1	、
	FE11
2	◦
	FE12
3	⋮
	FE13
4	⋮
	FE14
5	!
	FE15
6	?
	FE16
7	⌌
	FE17
8	⌍
	FE18
9	⋮
	FE19
A	
B	
C	
D	
E	
F	







*These characters are compatibility characters needed to map to GB 18030.*

**Glyphs for vertical variants**

- FE10 ’ PRESENTATION FORM FOR VERTICAL COMMA  
→ FE50 ’ small comma  
≈ <vertical> 002C ,
- FE11 、 PRESENTATION FORM FOR VERTICAL IDEOGRAPHIC COMMA  
→ FE45 丶 sesame dot  
→ FE51 丿 small ideographic comma  
≈ <vertical> 3001 丿
- FE12 ◦ PRESENTATION FORM FOR VERTICAL IDEOGRAPHIC FULL STOP  
≈ <vertical> 3002 ◦
- FE13 ⋮ PRESENTATION FORM FOR VERTICAL COLON  
→ FE55 ⋮ small colon  
≈ <vertical> 003A ⋮
- FE14 ⋮ PRESENTATION FORM FOR VERTICAL SEMICOLON  
→ FE54 ⋮ small semicolon  
≈ <vertical> 003B ⋮
- FE15 ! PRESENTATION FORM FOR VERTICAL EXCLAMATION MARK  
→ FE57 ! small exclamation mark  
≈ <vertical> 0021 !
- FE16 ? PRESENTATION FORM FOR VERTICAL QUESTION MARK  
→ FE56 ? small question mark  
≈ <vertical> 003F ?
- FE17 ⌌ PRESENTATION FORM FOR VERTICAL LEFT WHITE LENTICULAR BRACKET  
≈ <vertical> 3016 ⌌
- FE18 ⌍ PRESENTATION FORM FOR VERTICAL RIGHT WHITE LENTICULAR BRACKET  
× PRESENTATION FORM FOR VERTICAL RIGHT WHITE LENTICULAR BRACKET  
• misspelling of “BRACKET” in character name is a known defect  
≈ <vertical> 3017 ⌍
- FE19 ⋮ PRESENTATION FORM FOR VERTICAL HORIZONTAL ELLIPSIS  
→ 22EE ⋮ vertical ellipsis  
≈ <vertical> 2026 ...






FE2	
0	 FE20
1	 FE21
2	 FE22
3	 FE23
4	 FE24
5	 FE25
6	 FE26
7	
8	
9	
A	
B	
C	
D	
E	
F	

































**Combining half marks**

- FE20  COMBINING LIGATURE LEFT HALF  
 FE21  COMBINING LIGATURE RIGHT HALF  
     → 0361  combining double inverted breve  
 FE22  COMBINING DOUBLE TILDE LEFT HALF  
 FE23  COMBINING DOUBLE TILDE RIGHT HALF  
     → 0360  combining double tilde

**Continuous macrons for Coptic**

*These are used in combinations to represent continuous macrons over a sequence of Coptic letters.*

- FE24  COMBINING MACRON LEFT HALF  
 FE25  COMBINING MACRON RIGHT HALF  
 FE26  COMBINING CONJOINING MACRON  
     → 0304  combining macron  
     → 035E  combining double macron

	FE3	FE4
0	 FE30	 FE40
1	 FE31	 FE41
2	 FE32	 FE42
3	 FE33	 FE43
4	 FE34	 FE44
5	 FE35	 FE45
6	 FE36	 FE46
7	 FE37	 FE47
8	 FE38	 FE48
9	 FE39	 FE49
A	 FE3A	 FE4A
B	 FE3B	 FE4B
C	 FE3C	 FE4C
D	 FE3D	 FE4D
E	 FE3E	 FE4E
F	 FE3F	 FE4F

**Glyphs for vertical variants**

FE30	:	PRESENTATION FORM FOR VERTICAL TWO DOT LEADER ≈ <vertical> 2025 ..
FE31		PRESENTATION FORM FOR VERTICAL EM DASH ≈ <vertical> 2014 —
FE32	·	PRESENTATION FORM FOR VERTICAL EN DASH ≈ <vertical> 2013 –
FE33		PRESENTATION FORM FOR VERTICAL LOW LINE ≈ <vertical> 005F _
FE34	{	PRESENTATION FORM FOR VERTICAL WAVY LOW LINE ≈ <vertical> 005F _
FE35	(	PRESENTATION FORM FOR VERTICAL LEFT PARENTHESIS → 23DC ( top parenthesis ≈ <vertical> 0028 (
FE36	)	PRESENTATION FORM FOR VERTICAL RIGHT PARENTHESIS → 23DD ) bottom parenthesis ≈ <vertical> 0029 )
FE37	{	PRESENTATION FORM FOR VERTICAL LEFT CURLY BRACKET → 23DE { top curly bracket ≈ <vertical> 007B {
FE38	}	PRESENTATION FORM FOR VERTICAL RIGHT CURLY BRACKET → 23DF } bottom curly bracket ≈ <vertical> 007D }
FE39	{	PRESENTATION FORM FOR VERTICAL LEFT TORTOISE SHELL BRACKET → 23E0 { top tortoise shell bracket ≈ <vertical> 3014 {
FE3A	}	PRESENTATION FORM FOR VERTICAL RIGHT TORTOISE SHELL BRACKET → 23E1 } bottom tortoise shell bracket ≈ <vertical> 3015 }
FE3B	⌈	PRESENTATION FORM FOR VERTICAL LEFT BLACK LENTICULAR BRACKET ≈ <vertical> 3010 ⌈
FE3C	⌋	PRESENTATION FORM FOR VERTICAL RIGHT BLACK LENTICULAR BRACKET ≈ <vertical> 3011 ⌋
FE3D	⌌	PRESENTATION FORM FOR VERTICAL LEFT DOUBLE ANGLE BRACKET ≈ <vertical> 300A ⌌
FE3E	⌍	PRESENTATION FORM FOR VERTICAL RIGHT DOUBLE ANGLE BRACKET ≈ <vertical> 300B ⌍
FE3F	⌎	PRESENTATION FORM FOR VERTICAL LEFT ANGLE BRACKET ≈ <vertical> 3008 ⌎
FE40	⌏	PRESENTATION FORM FOR VERTICAL RIGHT ANGLE BRACKET ≈ <vertical> 3009 ⌏
FE41	⌐	PRESENTATION FORM FOR VERTICAL LEFT CORNER BRACKET ≈ <vertical> 300C ⌐
FE42	⌑	PRESENTATION FORM FOR VERTICAL RIGHT CORNER BRACKET ≈ <vertical> 300D ⌑
FE43	⌒	PRESENTATION FORM FOR VERTICAL LEFT WHITE CORNER BRACKET ≈ <vertical> 300E ⌒

FE44 ⌓ PRESENTATION FORM FOR VERTICAL RIGHT WHITE CORNER BRACKET  
≈ <vertical> 300F ⌓

**Sidelineing emphasis marks**



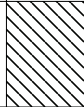



FE45	˙	SESAME DOT → FE51 ˙ small ideographic comma
FE46	˘	WHITE SESAME DOT • sesame dots are used beside vertical text for emphasis

**Glyphs for vertical variants**

FE47	⌔	PRESENTATION FORM FOR VERTICAL LEFT SQUARE BRACKET → 23B4 ⌔ top square bracket ≈ <vertical> 005B [
FE48	⌕	PRESENTATION FORM FOR VERTICAL RIGHT SQUARE BRACKET → 23B5 ⌕ bottom square bracket ≈ <vertical> 005D ]

**Overscores and underscores**

FE49	⌘	DASHED OVERLINE ≈ 203E ⌘ overline
FE4A	⌙	CENTRELINE OVERLINE ≈ 203E ⌙ overline
FE4B	⌚	WAVY OVERLINE ≈ 203E ⌚ overline
FE4C	⌛	DOUBLE WAVY OVERLINE ≈ 203E ⌛ overline
FE4D	⌜	DASHED LOW LINE ≈ 005F _ low line
FE4E	⌝	CENTRELINE LOW LINE ≈ 005F _ low line
FE4F	⌞	WAVY LOW LINE ≈ 005F _ low line

	FE5	FE6
0	‘ FE50	& FE60
1	‚ FE51	* FE61
2	· FE52	+ FE62
3		— FE63
4	;	< FE64
5	:	> FE65
6	?	= FE66
7	! FE57	
8	- FE58	\ FE68
9	( FE59	\$ FE69
A	) FE5A	% FE6A
B	{ FE5B	@ FE6B
C	} FE5C	
D	[ FE5D	
E	] FE5E	
F	# FE5F	

Compatibility variants for CNS 11643.

FE6B @ SMALL COMMERCIAL AT  
 ≈ <small> 0040 @

**Small form variants**

- FE50 ` SMALL COMMA  
 → FE10 ` presentation form for vertical comma  
 ≈ <small> 002C ,
- FE51 ` SMALL IDEOGRAPHIC COMMA  
 → FE11 ` presentation form for vertical ideographic comma  
 → FE45 ` sesame dot  
 ≈ <small> 3001 `
- FE52 · SMALL FULL STOP  
 ≈ <small> 002E .
- FE53 ☐ <reserved>
- FE54 ; SMALL SEMICOLON  
 → FE14 ; presentation form for vertical semicolon  
 ≈ <small> 003B ;
- FE55 : SMALL COLON  
 → FE13 : presentation form for vertical colon  
 ≈ <small> 003A :
- FE56 ? SMALL QUESTION MARK  
 ≈ <small> 003F ?
- FE57 ! SMALL EXCLAMATION MARK  
 ≈ <small> 0021 !
- FE58 - SMALL EM DASH  
 ≈ <small> 2014 —
- FE59 ( SMALL LEFT PARENTHESIS  
 ≈ <small> 0028 (
- FE5A ) SMALL RIGHT PARENTHESIS  
 ≈ <small> 0029 )
- FE5B { SMALL LEFT CURLY BRACKET  
 ≈ <small> 007B {
- FE5C } SMALL RIGHT CURLY BRACKET  
 ≈ <small> 007D }
- FE5D [ SMALL LEFT TORTOISE SHELL BRACKET  
 ≈ <small> 3014 [
- FE5E ] SMALL RIGHT TORTOISE SHELL BRACKET  
 ≈ <small> 3015 ]
- FE5F # SMALL NUMBER SIGN  
 ≈ <small> 0023 #
- FE60 & SMALL AMPERSAND  
 ≈ <small> 0026 &
- FE61 \* SMALL ASTERISK  
 ≈ <small> 002A \*
- FE62 + SMALL PLUS SIGN  
 ≈ <small> 002B +
- FE63 - SMALL HYPHEN-MINUS  
 ≈ <small> 002D -
- FE64 < SMALL LESS-THAN SIGN  
 ≈ <small> 003C <
- FE65 > SMALL GREATER-THAN SIGN  
 ≈ <small> 003E >
- FE66 = SMALL EQUALS SIGN  
 ≈ <small> 003D =
- FE67 ☐ <reserved>
- FE68 \ SMALL REVERSE SOLIDUS  
 ≈ <small> 005C \
- FE69 \$ SMALL DOLLAR SIGN  
 ≈ <small> 0024 \$
- FE6A % SMALL PERCENT SIGN  
 ≈ <small> 0025 %



	FE7	FE8	FE9	FEA	FEB	FEC	FED	FEE	FEF
0	﷌ FE70	ء FE80	ب FE90	ج FEA0	ز FEB0	ض FEC0	غ FED0	ا FEE0	ى FEF0
1	﷍ FE71	آ FE81	ب FE91	ح FEA1	س FEB1	ط FEC1	ف FED1	م FEE1	ي FEF1
2	﷎ FE72	آ FE82	ب FE92	ح FEA2	س FEB2	ط FEC2	ف FED2	م FEE2	ي FEF2
3	﷏ FE73	أ FE83	ة FE93	ح FEA3	س FEB3	ط FEC3	ف FED3	م FEE3	ي FEF3
4	﷐ FE74	أ FE84	ة FE94	ح FEA4	س FEB4	ط FEC4	ف FED4	م FEE4	ي FEF4
5	﷑ FE75	ؤ FE85	ت FE95	خ FEA5	ش FEB5	ظ FEC5	ق FED5	ن FEE5	لآ FEF5
6	﷒ FE76	ؤ FE86	ت FE96	خ FEA6	ش FEB6	ظ FEC6	ق FED6	ن FEE6	لآ FEF6
7	﷓ FE77	إ FE87	ت FE97	خ FEA7	ش FEB7	ظ FEC7	ق FED7	ن FEE7	لآ FEF7
8	﷔ FE78	إ FE88	ت FE98	خ FEA8	ش FEB8	ظ FEC8	ق FED8	ن FEE8	لآ FEF8
9	﷕ FE79	ئ FE89	ث FE99	د FEA9	ص FEB9	ع FEC9	ك FED9	ه FEE9	لإ FEF9
A	﷖ FE7A	ئ FE8A	ث FE9A	د FEAA	ص FEBB	ع FECB	ك FEDB	ه FEEB	لإ FEFB
B	﷗ FE7B	ذ FE8B	ث FE9B	ذ FEAB	ص FEBB	ع FECB	ك FEDB	ه FEEB	لا FEFB
C	﷘ FE7C	ذ FE8C	ث FE9C	ذ FEAC	ص FEBB	ع FECB	ك FEDB	ه FEEB	لا FEFB
D	﷙ FE7D	ا FE8D	ج FE9D	ر FEAD	ض FEBD	غ FECB	ل FEDD	و FEEB	﷌ FEFD
E	﷚ FE7E	ا FE8E	ج FE9E	ر FEAE	ض FEBE	غ FECB	ل FEDE	و FEEB	﷌ FEFD
F	﷛ FE7F	ب FE8F	ج FE9F	ز FEAF	ض FEBF	غ FECF	ا FEDF	ى FEEF	ZWN BSP FEFF

Preferred characters are found in the Arabic block 0600 - 06FF. Some of these characters are used for Arabic mathematics where contextual shape variations are important semantically.








#### Glyphs for spacing forms of Arabic points

- FE70 ◌ ARABIC FATHATAN ISOLATED FORM  
≈ <isolated> 0020  064B ◌
- FE71 ◌ ARABIC TATWEEL WITH FATHATAN ABOVE  
≈ <medial> 0640 - 064B ◌
- FE72 ◌ ARABIC DAMMATAN ISOLATED FORM  
≈ <isolated> 0020  064C ◌

#### Glyph part

- FE73 ◌ ARABIC TAIL FRAGMENT  
• for compatibility with certain legacy character sets

#### Glyphs for spacing forms of Arabic points

- FE74 ◌ ARABIC KASRATAN ISOLATED FORM  
≈ <isolated> 0020  064D ◌
- FE75  <reserved>
- FE76 ◌ ARABIC FATHA ISOLATED FORM  
≈ <isolated> 0020  064E ◌
- FE77 ◌ ARABIC FATHA MEDIAL FORM  
≈ <medial> 0640 - 064E ◌
- FE78 ◌ ARABIC DAMMA ISOLATED FORM  
≈ <isolated> 0020  064F ◌
- FE79 ◌ ARABIC DAMMA MEDIAL FORM  
≈ <medial> 0640 - 064F ◌
- FE7A ◌ ARABIC KASRA ISOLATED FORM  
≈ <isolated> 0020  0650 ◌
- FE7B ◌ ARABIC KASRA MEDIAL FORM  
≈ <medial> 0640 - 0650 ◌
- FE7C ◌ ARABIC SHADDA ISOLATED FORM  
≈ <isolated> 0020  0651 ◌
- FE7D ◌ ARABIC SHADDA MEDIAL FORM  
≈ <medial> 0640 - 0651 ◌
- FE7E ◌ ARABIC SUKUN ISOLATED FORM  
≈ <isolated> 0020  0652 ◌
- FE7F ◌ ARABIC SUKUN MEDIAL FORM  
≈ <medial> 0640 - 0652 ◌

#### Basic glyphs for Arabic language contextual forms

- FE80 ◌ ARABIC LETTER HAMZA ISOLATED FORM  
≈ <isolated> 0621 ◌
- FE81 ˆ ARABIC LETTER ALEF WITH MADDA ABOVE ISOLATED FORM  
≈ <isolated> 0622 ˆ
- FE82 ˆ ARABIC LETTER ALEF WITH MADDA ABOVE FINAL FORM  
≈ <final> 0622 ˆ
- FE83 ˆ ARABIC LETTER ALEF WITH HAMZA ABOVE ISOLATED FORM  
≈ <isolated> 0623 ˆ
- FE84 ˆ ARABIC LETTER ALEF WITH HAMZA ABOVE FINAL FORM  
≈ <final> 0623 ˆ
- FE85 ˆ ARABIC LETTER WAW WITH HAMZA ABOVE ISOLATED FORM  
≈ <isolated> 0624 ˆ
- FE86 ˆ ARABIC LETTER WAW WITH HAMZA ABOVE FINAL FORM  
≈ <final> 0624 ˆ






- FE87 ˆ ARABIC LETTER ALEF WITH HAMZA BELOW ISOLATED FORM  
≈ <isolated> 0625 ˆ
- FE88 ˆ ARABIC LETTER ALEF WITH HAMZA BELOW FINAL FORM  
≈ <final> 0625 ˆ
- FE89 ˆ ARABIC LETTER YEH WITH HAMZA ABOVE ISOLATED FORM  
≈ <isolated> 0626 ˆ
- FE8A ˆ ARABIC LETTER YEH WITH HAMZA ABOVE FINAL FORM  
≈ <final> 0626 ˆ
- FE8B ˆ ARABIC LETTER YEH WITH HAMZA ABOVE INITIAL FORM  
≈ <initial> 0626 ˆ
- FE8C ˆ ARABIC LETTER YEH WITH HAMZA ABOVE MEDIAL FORM  
≈ <medial> 0626 ˆ
- FE8D ˆ ARABIC LETTER ALEF ISOLATED FORM  
≈ <isolated> 0627 ˆ
- FE8E ˆ ARABIC LETTER ALEF FINAL FORM  
≈ <final> 0627 ˆ
- FE8F ˆ ARABIC LETTER BEH ISOLATED FORM  
≈ <isolated> 0628 ˆ
- FE90 ˆ ARABIC LETTER BEH FINAL FORM  
≈ <final> 0628 ˆ
- FE91 ˆ ARABIC LETTER BEH INITIAL FORM  
≈ <initial> 0628 ˆ
- FE92 ˆ ARABIC LETTER BEH MEDIAL FORM  
≈ <medial> 0628 ˆ
- FE93 ˆ ARABIC LETTER TEH MARBUTA ISOLATED FORM  
≈ <isolated> 0629 ˆ
- FE94 ˆ ARABIC LETTER TEH MARBUTA FINAL FORM  
≈ <final> 0629 ˆ
- FE95 ˆ ARABIC LETTER TEH ISOLATED FORM  
≈ <isolated> 062A ˆ
- FE96 ˆ ARABIC LETTER TEH FINAL FORM  
≈ <final> 062A ˆ
- FE97 ˆ ARABIC LETTER TEH INITIAL FORM  
≈ <initial> 062A ˆ
- FE98 ˆ ARABIC LETTER TEH MEDIAL FORM  
≈ <medial> 062A ˆ
- FE99 ˆ ARABIC LETTER THEH ISOLATED FORM  
≈ <isolated> 062B ˆ
- FE9A ˆ ARABIC LETTER THEH FINAL FORM  
≈ <final> 062B ˆ
- FE9B ˆ ARABIC LETTER THEH INITIAL FORM  
≈ <initial> 062B ˆ
- FE9C ˆ ARABIC LETTER THEH MEDIAL FORM  
≈ <medial> 062B ˆ
- FE9D ˆ ARABIC LETTER JEEM ISOLATED FORM  
≈ <isolated> 062C ˆ
- FE9E ˆ ARABIC LETTER JEEM FINAL FORM  
≈ <final> 062C ˆ
- FE9F ˆ ARABIC LETTER JEEM INITIAL FORM  
≈ <initial> 062C ˆ
- FEA0 ˆ ARABIC LETTER JEEM MEDIAL FORM  
≈ <medial> 062C ˆ
- FEA1 ˆ ARABIC LETTER HAH ISOLATED FORM  
≈ <isolated> 062D ˆ
- FEA2 ˆ ARABIC LETTER HAH FINAL FORM  
≈ <final> 062D ˆ

FEA3	ح	ARABIC LETTER HAH INITIAL FORM ≈ <initial> 062D ح	FEC2	ط	ARABIC LETTER TAH FINAL FORM ≈ <final> 0637 ط
FEA4	ح	ARABIC LETTER HAH MEDIAL FORM ≈ <medial> 062D ح	FEC3	ط	ARABIC LETTER TAH INITIAL FORM ≈ <initial> 0637 ط
FEA5	خ	ARABIC LETTER KHAH ISOLATED FORM ≈ <isolated> 062E خ	FEC4	ط	ARABIC LETTER TAH MEDIAL FORM ≈ <medial> 0637 ط
FEA6	خ	ARABIC LETTER KHAH FINAL FORM ≈ <final> 062E خ	FEC5	ظ	ARABIC LETTER ZAH ISOLATED FORM ≈ <isolated> 0638 ظ
FEA7	خ	ARABIC LETTER KHAH INITIAL FORM ≈ <initial> 062E خ	FEC6	ظ	ARABIC LETTER ZAH FINAL FORM ≈ <final> 0638 ظ
FEA8	خ	ARABIC LETTER KHAH MEDIAL FORM ≈ <medial> 062E خ	FEC7	ظ	ARABIC LETTER ZAH INITIAL FORM ≈ <initial> 0638 ظ
FEA9	د	ARABIC LETTER DAL ISOLATED FORM ≈ <isolated> 062F د	FEC8	ظ	ARABIC LETTER ZAH MEDIAL FORM ≈ <medial> 0638 ظ
FEAA	د	ARABIC LETTER DAL FINAL FORM ≈ <final> 062F د	FEC9	ع	ARABIC LETTER AIN ISOLATED FORM ≈ <isolated> 0639 ع
FEAB	ذ	ARABIC LETTER THAL ISOLATED FORM ≈ <isolated> 0630 ذ	FECA	ع	ARABIC LETTER AIN FINAL FORM ≈ <final> 0639 ع
FEAC	ذ	ARABIC LETTER THAL FINAL FORM ≈ <final> 0630 ذ	FECB	ع	ARABIC LETTER AIN INITIAL FORM ≈ <initial> 0639 ع
FEAD	ر	ARABIC LETTER REH ISOLATED FORM ≈ <isolated> 0631 ر	FEC C	ع	ARABIC LETTER AIN MEDIAL FORM ≈ <medial> 0639 ع
FEAE	ر	ARABIC LETTER REH FINAL FORM ≈ <final> 0631 ر	FECD	غ	ARABIC LETTER GHAIN ISOLATED FORM ≈ <isolated> 063A غ
FEAF	ز	ARABIC LETTER ZAIN ISOLATED FORM ≈ <isolated> 0632 ز	FECE	غ	ARABIC LETTER GHAIN FINAL FORM ≈ <final> 063A غ
FEB0	ز	ARABIC LETTER ZAIN FINAL FORM ≈ <final> 0632 ز	FECF	غ	ARABIC LETTER GHAIN INITIAL FORM ≈ <initial> 063A غ
FEB1	س	ARABIC LETTER SEEN ISOLATED FORM ≈ <isolated> 0633 س	FED0	غ	ARABIC LETTER GHAIN MEDIAL FORM ≈ <medial> 063A غ
FEB2	س	ARABIC LETTER SEEN FINAL FORM ≈ <final> 0633 س	FED1	ف	ARABIC LETTER FEH ISOLATED FORM ≈ <isolated> 0641 ف
FEB3	س	ARABIC LETTER SEEN INITIAL FORM ≈ <initial> 0633 س	FED2	ف	ARABIC LETTER FEH FINAL FORM ≈ <final> 0641 ف
FEB4	س	ARABIC LETTER SEEN MEDIAL FORM ≈ <medial> 0633 س	FED3	ف	ARABIC LETTER FEH INITIAL FORM ≈ <initial> 0641 ف
FEB5	ش	ARABIC LETTER SHEEN ISOLATED FORM ≈ <isolated> 0634 ش	FED4	ف	ARABIC LETTER FEH MEDIAL FORM ≈ <medial> 0641 ف
FEB6	ش	ARABIC LETTER SHEEN FINAL FORM ≈ <final> 0634 ش	FED5	ق	ARABIC LETTER QAF ISOLATED FORM ≈ <isolated> 0642 ق
FEB7	ش	ARABIC LETTER SHEEN INITIAL FORM ≈ <initial> 0634 ش	FED6	ق	ARABIC LETTER QAF FINAL FORM ≈ <final> 0642 ق
FEB8	ش	ARABIC LETTER SHEEN MEDIAL FORM ≈ <medial> 0634 ش	FED7	ق	ARABIC LETTER QAF INITIAL FORM ≈ <initial> 0642 ق
FEB9	ص	ARABIC LETTER SAD ISOLATED FORM ≈ <isolated> 0635 ص	FED8	ق	ARABIC LETTER QAF MEDIAL FORM ≈ <medial> 0642 ق
FEBA	ص	ARABIC LETTER SAD FINAL FORM ≈ <final> 0635 ص	FED9	ك	ARABIC LETTER KAF ISOLATED FORM ≈ <isolated> 0643 ك
FEBB	ص	ARABIC LETTER SAD INITIAL FORM ≈ <initial> 0635 ص	FEDA	ك	ARABIC LETTER KAF FINAL FORM ≈ <final> 0643 ك
FEBC	ص	ARABIC LETTER SAD MEDIAL FORM ≈ <medial> 0635 ص	FEDB	ك	ARABIC LETTER KAF INITIAL FORM ≈ <initial> 0643 ك
FEBD	ض	ARABIC LETTER DAD ISOLATED FORM ≈ <isolated> 0636 ض	FEDC	ك	ARABIC LETTER KAF MEDIAL FORM ≈ <medial> 0643 ك
FEBE	ض	ARABIC LETTER DAD FINAL FORM ≈ <final> 0636 ض	FEDD	ل	ARABIC LETTER LAM ISOLATED FORM ≈ <isolated> 0644 ل
FEBF	ض	ARABIC LETTER DAD INITIAL FORM ≈ <initial> 0636 ض	FEDE	ل	ARABIC LETTER LAM FINAL FORM ≈ <final> 0644 ل
FEC0	ظ	ARABIC LETTER DAD MEDIAL FORM ≈ <medial> 0636 ض	FEDF	ل	ARABIC LETTER LAM INITIAL FORM ≈ <initial> 0644 ل
FEC1	ط	ARABIC LETTER TAH ISOLATED FORM ≈ <isolated> 0637 ط	FEE0	ل	ARABIC LETTER LAM MEDIAL FORM ≈ <medial> 0644 ل

FEE1	م	ARABIC LETTER MEEM ISOLATED FORM ≈ <isolated> 0645 م
FEE2	م	ARABIC LETTER MEEM FINAL FORM ≈ <final> 0645 م
FEE3	م	ARABIC LETTER MEEM INITIAL FORM ≈ <initial> 0645 م
FEE4	م	ARABIC LETTER MEEM MEDIAL FORM ≈ <medial> 0645 م
FEE5	ن	ARABIC LETTER NOON ISOLATED FORM ≈ <isolated> 0646 ن
FEE6	ن	ARABIC LETTER NOON FINAL FORM ≈ <final> 0646 ن
FEE7	ن	ARABIC LETTER NOON INITIAL FORM ≈ <initial> 0646 ن
FEE8	ن	ARABIC LETTER NOON MEDIAL FORM ≈ <medial> 0646 ن
FEE9	ه	ARABIC LETTER HEH ISOLATED FORM ≈ <isolated> 0647 ه
FEEA	ه	ARABIC LETTER HEH FINAL FORM ≈ <final> 0647 ه
FEEB	ه	ARABIC LETTER HEH INITIAL FORM ≈ <initial> 0647 ه
FEEC	ه	ARABIC LETTER HEH MEDIAL FORM ≈ <medial> 0647 ه
FEED	و	ARABIC LETTER WAW ISOLATED FORM ≈ <isolated> 0648 و
FEEE	و	ARABIC LETTER WAW FINAL FORM ≈ <final> 0648 و
FEFF	ع	ARABIC LETTER ALEF MAKSURA ISOLATED FORM ≈ <isolated> 0649 ع
FEF0	ع	ARABIC LETTER ALEF MAKSURA FINAL FORM ≈ <final> 0649 ع
FEF1	ي	ARABIC LETTER YEH ISOLATED FORM ≈ <isolated> 064A ي
FEF2	ي	ARABIC LETTER YEH FINAL FORM ≈ <final> 064A ي
FEF3	ي	ARABIC LETTER YEH INITIAL FORM ≈ <initial> 064A ي
FEF4	ي	ARABIC LETTER YEH MEDIAL FORM ≈ <medial> 064A ي
FEF5	لآ	ARABIC LIGATURE LAM WITH ALEF WITH MADDA ABOVE ISOLATED FORM ≈ <isolated> 0644 لآ 0622 آ
FEF6	لآ	ARABIC LIGATURE LAM WITH ALEF WITH MADDA ABOVE FINAL FORM ≈ <final> 0644 لآ 0622 آ
FEF7	لأ	ARABIC LIGATURE LAM WITH ALEF WITH HAMZA ABOVE ISOLATED FORM ≈ <isolated> 0644 لأ 0623 أ
FEF8	لأ	ARABIC LIGATURE LAM WITH ALEF WITH HAMZA ABOVE FINAL FORM ≈ <final> 0644 لأ 0623 أ
FEF9	لأ	ARABIC LIGATURE LAM WITH ALEF WITH HAMZA BELOW ISOLATED FORM ≈ <isolated> 0644 لأ 0625 إ
FEFA	لأ	ARABIC LIGATURE LAM WITH ALEF WITH HAMZA BELOW FINAL FORM ≈ <final> 0644 لأ 0625 إ
FEFB	لأ	ARABIC LIGATURE LAM WITH ALEF ISOLATED FORM ≈ <isolated> 0644 لأ 0627 إ

FEFC	لآ	ARABIC LIGATURE LAM WITH ALEF FINAL FORM ≈ <final> 0644 لآ 0627 إ
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**Special**

FEFF	␣	ZERO WIDTH NO-BREAK SPACE = BYTE ORDER MARK (BOM), ZWNBSP • may be used to detect byte order by contrast with the noncharacter code point FFFE  • use as an indication of non-breaking is deprecated; see 2060  instead → 200B  zero width space → 2060  word joiner → FFFE  <not a character>
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	FF0	FF1	FF2	FF3	FF4	FF5	FF6	FF7	FF8	FF9	FFA	FFB	FFC	FFD	FFE
0		0 FF10	@ FF20	P FF30	` FF40	p FF50	) FF60	ー FF70	夕 FF80	ミ FF90	 FFA0	ろ FFB0			¢ FFE0
1	! FF01	1 FF11	A FF21	Q FF31	a FF41	q FF51	。 FF61	ア FF71	チ FF81	ム FF91	㇀ FFA1	口 FFB1			£ FFE1
2	" FF02	2 FF12	B FF22	R FF32	b FF42	r FF52	「 FF62	イ FF72	ツ FF82	メ FF92	㇁ FFA2	日 FFB2	ト FFC2	止 FFD2	┌ FFE2
3	# FF03	3 FF13	C FF23	S FF33	c FF43	s FF53	」 FF63	ウ FF73	テ FF83	モ FF93	㇂ FFA3	冊 FFB3	冊 FFC3	㇃ FFD3	└ FFE3
4	\$ FF04	4 FF14	D FF24	T FF34	d FF44	t FF54	、 FF64	エ FF74	ト FF84	ヤ FF94	㇄ FFA4	臥 FFB4	㇅ FFC4	㇆ FFD4	┆ FFE4
5	% FF05	5 FF15	E FF25	U FF35	e FF45	u FF55	・ FF65	オ FF75	ナ FF85	ユ FF95	㇇ FFA5	入 FFB5	冊 FFC5	冊 FFD5	¥ FFE5
6	& FF06	6 FF16	F FF26	V FF36	f FF46	v FF56	ヲ FF66	カ FF76	ニ FF86	ヨ FF96	㇈ FFA6	从 FFB6	㇉ FFC6	㇊ FFD6	W FFE6
7	' FF07	7 FF17	G FF27	W FF37	g FF47	w FF57	ア FF67	キ FF77	ヌ FF87	㇋ FF97	㇌ FFA7	〇 FFB7	冊 FFC7	㇍ FFD7	
8	( FF08	8 FF18	H FF28	X FF38	h FF48	x FF58	イ FF68	ク FF78	ネ FF88	リ FF98	㇎ FFA8	ス FFB8			┆ FFE8
9	) FF09	9 FF19	I FF29	Y FF39	i FF49	y FF59	ウ FF69	ケ FF79	ノ FF89	ル FF99	己 FFA9	双 FFB9			← FFE9
A	* FF0A	: FF1A	J FF2A	Z FF3A	j FF4A	z FF5A	エ FF6A	コ FF7A	ハ FF8A	レ FF9A	㇏ FFAA	㇐ FFBA	㇑ FFCA	一 FFDA	↑ FFEA
B	+ FF0B	; FF1B	K FF2B	[ FF3B	k FF4B	{ FF5B	オ FF6B	サ FF7B	ヒ FF8B	ロ FF9B	㇒ FFAB	㇓ FFBB	冊 FFCB	㇔ FFDB	→ FFEB
C	, FF0C	< FF1C	L FF2C	\ FF3C	l FF4C	 FF5C	ヤ FF6C	シ FF7C	フ FF8C	ワ FF9C	㇕ FFAC	㇖ FFBC	㇗ FFCC	㇘ FFDC	↓ FFEC
D	— FF0D	= FF1D	M FF2D	] FF3D	m FF4D	} FF5D	ユ FF6D	ス FF7D	へ FF8D	ン FF9D	㇙ FFAD	㇚ FFBD	㇛ FFCD		■ FFED
E	. FF0E	> FF1E	N FF2E	^ FF3E	n FF4E	~ FF5E	ヨ FF6E	セ FF7E	ホ FF8E	ゝ FF9E	㇜ FFAE	㇝ FFBE	冊 FFCE		○ FFEE
F	/ FF0F	? FF1F	O FF2F	— FF3F	o FF4F	(( FF5F	ツ FF6F	ソ FF7F	マ FF8F	。 FF9F	㇞ FFAF		㇟ FFCF		

**Fullwidth ASCII variants***See ASCII 0020 - 007E*

FF01	!	FULLWIDTH EXCLAMATION MARK ≈ <wide> 0021 !	FF1F	?	FULLWIDTH QUESTION MARK ≈ <wide> 003F ?
FF02	"	FULLWIDTH QUOTATION MARK ≈ <wide> 0022 "	FF20	@	FULLWIDTH COMMERCIAL AT ≈ <wide> 0040 @
FF03	#	FULLWIDTH NUMBER SIGN ≈ <wide> 0023 #	FF21	A	FULLWIDTH LATIN CAPITAL LETTER A ≈ <wide> 0041 A
FF04	\$	FULLWIDTH DOLLAR SIGN ≈ <wide> 0024 \$	FF22	B	FULLWIDTH LATIN CAPITAL LETTER B ≈ <wide> 0042 B
FF05	%	FULLWIDTH PERCENT SIGN ≈ <wide> 0025 %	FF23	C	FULLWIDTH LATIN CAPITAL LETTER C ≈ <wide> 0043 C
FF06	&	FULLWIDTH AMPERSAND ≈ <wide> 0026 &	FF24	D	FULLWIDTH LATIN CAPITAL LETTER D ≈ <wide> 0044 D
FF07	'	FULLWIDTH APOSTROPHE ≈ <wide> 0027 '	FF25	E	FULLWIDTH LATIN CAPITAL LETTER E ≈ <wide> 0045 E
FF08	(	FULLWIDTH LEFT PARENTHESIS ≈ <wide> 0028 (	FF26	F	FULLWIDTH LATIN CAPITAL LETTER F ≈ <wide> 0046 F
FF09	)	FULLWIDTH RIGHT PARENTHESIS ≈ <wide> 0029 )	FF27	G	FULLWIDTH LATIN CAPITAL LETTER G ≈ <wide> 0047 G
FF0A	*	FULLWIDTH ASTERISK ≈ <wide> 002A *	FF28	H	FULLWIDTH LATIN CAPITAL LETTER H ≈ <wide> 0048 H
FF0B	+	FULLWIDTH PLUS SIGN ≈ <wide> 002B +	FF29	I	FULLWIDTH LATIN CAPITAL LETTER I ≈ <wide> 0049 I
FF0C	,	FULLWIDTH COMMA ≈ <wide> 002C ,	FF2A	J	FULLWIDTH LATIN CAPITAL LETTER J ≈ <wide> 004A J
FF0D	—	FULLWIDTH HYPHEN-MINUS ≈ <wide> 002D -	FF2B	K	FULLWIDTH LATIN CAPITAL LETTER K ≈ <wide> 004B K
FF0E	.	FULLWIDTH FULL STOP ≈ <wide> 002E .	FF2C	L	FULLWIDTH LATIN CAPITAL LETTER L ≈ <wide> 004C L
FF0F	/	FULLWIDTH SOLIDUS ≈ <wide> 002F /	FF2D	M	FULLWIDTH LATIN CAPITAL LETTER M ≈ <wide> 004D M
FF10	0	FULLWIDTH DIGIT ZERO ≈ <wide> 0030 0	FF2E	N	FULLWIDTH LATIN CAPITAL LETTER N ≈ <wide> 004E N
FF11	1	FULLWIDTH DIGIT ONE ≈ <wide> 0031 1	FF2F	O	FULLWIDTH LATIN CAPITAL LETTER O ≈ <wide> 004F O
FF12	2	FULLWIDTH DIGIT TWO ≈ <wide> 0032 2	FF30	P	FULLWIDTH LATIN CAPITAL LETTER P ≈ <wide> 0050 P
FF13	3	FULLWIDTH DIGIT THREE ≈ <wide> 0033 3	FF31	Q	FULLWIDTH LATIN CAPITAL LETTER Q ≈ <wide> 0051 Q
FF14	4	FULLWIDTH DIGIT FOUR ≈ <wide> 0034 4	FF32	R	FULLWIDTH LATIN CAPITAL LETTER R ≈ <wide> 0052 R
FF15	5	FULLWIDTH DIGIT FIVE ≈ <wide> 0035 5	FF33	S	FULLWIDTH LATIN CAPITAL LETTER S ≈ <wide> 0053 S
FF16	6	FULLWIDTH DIGIT SIX ≈ <wide> 0036 6	FF34	T	FULLWIDTH LATIN CAPITAL LETTER T ≈ <wide> 0054 T
FF17	7	FULLWIDTH DIGIT SEVEN ≈ <wide> 0037 7	FF35	U	FULLWIDTH LATIN CAPITAL LETTER U ≈ <wide> 0055 U
FF18	8	FULLWIDTH DIGIT EIGHT ≈ <wide> 0038 8	FF36	V	FULLWIDTH LATIN CAPITAL LETTER V ≈ <wide> 0056 V
FF19	9	FULLWIDTH DIGIT NINE ≈ <wide> 0039 9	FF37	W	FULLWIDTH LATIN CAPITAL LETTER W ≈ <wide> 0057 W
FF1A	:	FULLWIDTH COLON ≈ <wide> 003A :	FF38	X	FULLWIDTH LATIN CAPITAL LETTER X ≈ <wide> 0058 X
FF1B	;	FULLWIDTH SEMICOLON ≈ <wide> 003B ;	FF39	Y	FULLWIDTH LATIN CAPITAL LETTER Y ≈ <wide> 0059 Y
FF1C	<	FULLWIDTH LESS-THAN SIGN ≈ <wide> 003C <	FF3A	Z	FULLWIDTH LATIN CAPITAL LETTER Z ≈ <wide> 005A Z
FF1D	=	FULLWIDTH EQUALS SIGN ≈ <wide> 003D =	FF3B	[	FULLWIDTH LEFT SQUARE BRACKET ≈ <wide> 005B [
FF1E	>	FULLWIDTH GREATER-THAN SIGN ≈ <wide> 003E >	FF3C	\	FULLWIDTH REVERSE SOLIDUS ≈ <wide> 005C \
			FF3D	]	FULLWIDTH RIGHT SQUARE BRACKET ≈ <wide> 005D ]

FF3E	ˆ	FULLWIDTH CIRCUMFLEX ACCENT ≈ <wide> 005E ˆ
FF3F	—	FULLWIDTH LOW LINE ≈ <wide> 005F _
FF40	˘	FULLWIDTH GRAVE ACCENT ≈ <wide> 0060 ˘
FF41	a	FULLWIDTH LATIN SMALL LETTER A ≈ <wide> 0061 a
FF42	b	FULLWIDTH LATIN SMALL LETTER B ≈ <wide> 0062 b
FF43	c	FULLWIDTH LATIN SMALL LETTER C ≈ <wide> 0063 c
FF44	d	FULLWIDTH LATIN SMALL LETTER D ≈ <wide> 0064 d
FF45	e	FULLWIDTH LATIN SMALL LETTER E ≈ <wide> 0065 e
FF46	f	FULLWIDTH LATIN SMALL LETTER F ≈ <wide> 0066 f
FF47	g	FULLWIDTH LATIN SMALL LETTER G ≈ <wide> 0067 g
FF48	h	FULLWIDTH LATIN SMALL LETTER H ≈ <wide> 0068 h
FF49	i	FULLWIDTH LATIN SMALL LETTER I ≈ <wide> 0069 i
FF4A	j	FULLWIDTH LATIN SMALL LETTER J ≈ <wide> 006A j
FF4B	k	FULLWIDTH LATIN SMALL LETTER K ≈ <wide> 006B k
FF4C	l	FULLWIDTH LATIN SMALL LETTER L ≈ <wide> 006C l
FF4D	m	FULLWIDTH LATIN SMALL LETTER M ≈ <wide> 006D m
FF4E	n	FULLWIDTH LATIN SMALL LETTER N ≈ <wide> 006E n
FF4F	o	FULLWIDTH LATIN SMALL LETTER O ≈ <wide> 006F o
FF50	p	FULLWIDTH LATIN SMALL LETTER P ≈ <wide> 0070 p
FF51	q	FULLWIDTH LATIN SMALL LETTER Q ≈ <wide> 0071 q
FF52	r	FULLWIDTH LATIN SMALL LETTER R ≈ <wide> 0072 r
FF53	s	FULLWIDTH LATIN SMALL LETTER S ≈ <wide> 0073 s
FF54	t	FULLWIDTH LATIN SMALL LETTER T ≈ <wide> 0074 t
FF55	u	FULLWIDTH LATIN SMALL LETTER U ≈ <wide> 0075 u
FF56	v	FULLWIDTH LATIN SMALL LETTER V ≈ <wide> 0076 v
FF57	w	FULLWIDTH LATIN SMALL LETTER W ≈ <wide> 0077 w
FF58	x	FULLWIDTH LATIN SMALL LETTER X ≈ <wide> 0078 x
FF59	y	FULLWIDTH LATIN SMALL LETTER Y ≈ <wide> 0079 y
FF5A	z	FULLWIDTH LATIN SMALL LETTER Z ≈ <wide> 007A z
FF5B	{	FULLWIDTH LEFT CURLY BRACKET ≈ <wide> 007B {
FF5C		FULLWIDTH VERTICAL LINE ≈ <wide> 007C

FF5D	}	FULLWIDTH RIGHT CURLY BRACKET ≈ <wide> 007D }
FF5E	~	FULLWIDTH TILDE ≈ <wide> 007E ~

**Fullwidth brackets**

FF5F	((	FULLWIDTH LEFT WHITE PARENTHESIS • the most commonly occurring glyph variant looks like doubled parentheses → 2E28 (( left double parenthesis ≈ <wide> 2985 (
FF60	)	FULLWIDTH RIGHT WHITE PARENTHESIS ≈ <wide> 2986 )

**Halfwidth CJK punctuation**

See *CJK punctuation 3000 - 303F*

FF61	。	HALFWIDTH IDEOGRAPHIC FULL STOP ≈ <narrow> 3002 。
FF62	┌	HALFWIDTH LEFT CORNER BRACKET ≈ <narrow> 300C ┌
FF63	┐	HALFWIDTH RIGHT CORNER BRACKET ≈ <narrow> 300D ┐
FF64	、	HALFWIDTH IDEOGRAPHIC COMMA ≈ <narrow> 3001 、

**Halfwidth Katakana variants**

See *Katakana 30A0 - 30FF*

FF65	・	HALFWIDTH KATAKANA MIDDLE DOT ≈ <narrow> 30FB ・
FF66	ヲ	HALFWIDTH KATAKANA LETTER WO ≈ <narrow> 30F2 ヲ
FF67	ァ	HALFWIDTH KATAKANA LETTER SMALL A ≈ <narrow> 30A1 ア
FF68	ィ	HALFWIDTH KATAKANA LETTER SMALL I ≈ <narrow> 30A3 イ
FF69	ゥ	HALFWIDTH KATAKANA LETTER SMALL U ≈ <narrow> 30A5 ウ
FF6A	ェ	HALFWIDTH KATAKANA LETTER SMALL E ≈ <narrow> 30A7 エ
FF6B	ォ	HALFWIDTH KATAKANA LETTER SMALL O ≈ <narrow> 30A9 オ
FF6C	ャ	HALFWIDTH KATAKANA LETTER SMALL YA ≈ <narrow> 30E3 ヤ
FF6D	ュ	HALFWIDTH KATAKANA LETTER SMALL YU ≈ <narrow> 30E5 ユ
FF6E	ョ	HALFWIDTH KATAKANA LETTER SMALL YO ≈ <narrow> 30E7 ヨ
FF6F	ツ	HALFWIDTH KATAKANA LETTER SMALL TU ≈ <narrow> 30C3 ツ
FF70	ー	HALFWIDTH KATAKANA-HIRAGANA PROLONGED SOUND MARK ≈ <narrow> 30FC ー
FF71	ア	HALFWIDTH KATAKANA LETTER A ≈ <narrow> 30A2 ア
FF72	ィ	HALFWIDTH KATAKANA LETTER I ≈ <narrow> 30A4 イ
FF73	ゥ	HALFWIDTH KATAKANA LETTER U ≈ <narrow> 30A6 ウ
FF74	ェ	HALFWIDTH KATAKANA LETTER E ≈ <narrow> 30A8 エ
FF75	ォ	HALFWIDTH KATAKANA LETTER O ≈ <narrow> 30AA オ

FF76 カ HALFWIDTH KATAKANA LETTER KA  
≈ <narrow> 30AB カ

FF77 キ HALFWIDTH KATAKANA LETTER KI  
≈ <narrow> 30AD キ

FF78 ク HALFWIDTH KATAKANA LETTER KU  
≈ <narrow> 30AF ク

FF79 ケ HALFWIDTH KATAKANA LETTER KE  
≈ <narrow> 30B1 ケ

FF7A コ HALFWIDTH KATAKANA LETTER KO  
≈ <narrow> 30B3 コ

FF7B サ HALFWIDTH KATAKANA LETTER SA  
≈ <narrow> 30B5 サ

FF7C シ HALFWIDTH KATAKANA LETTER SI  
≈ <narrow> 30B7 シ

FF7D ス HALFWIDTH KATAKANA LETTER SU  
≈ <narrow> 30B9 ス

FF7E セ HALFWIDTH KATAKANA LETTER SE  
≈ <narrow> 30BB セ

FF7F ソ HALFWIDTH KATAKANA LETTER SO  
≈ <narrow> 30BD ソ

FF80 タ HALFWIDTH KATAKANA LETTER TA  
≈ <narrow> 30BF タ

FF81 チ HALFWIDTH KATAKANA LETTER TI  
≈ <narrow> 30C1 チ

FF82 ツ HALFWIDTH KATAKANA LETTER TU  
≈ <narrow> 30C4 ツ

FF83 テ HALFWIDTH KATAKANA LETTER TE  
≈ <narrow> 30C6 テ

FF84 ト HALFWIDTH KATAKANA LETTER TO  
≈ <narrow> 30C8 ト

FF85 ナ HALFWIDTH KATAKANA LETTER NA  
≈ <narrow> 30CA ナ

FF86 ニ HALFWIDTH KATAKANA LETTER NI  
≈ <narrow> 30CB ニ

FF87 ヌ HALFWIDTH KATAKANA LETTER NU  
≈ <narrow> 30CC ヌ

FF88 ネ HALFWIDTH KATAKANA LETTER NE  
≈ <narrow> 30CD ネ

FF89 ノ HALFWIDTH KATAKANA LETTER NO  
≈ <narrow> 30CE ノ

FF8A ハ HALFWIDTH KATAKANA LETTER HA  
≈ <narrow> 30CF ハ

FF8B ヒ HALFWIDTH KATAKANA LETTER HI  
≈ <narrow> 30D2 ヒ

FF8C フ HALFWIDTH KATAKANA LETTER HU  
≈ <narrow> 30D5 フ

FF8D ヘ HALFWIDTH KATAKANA LETTER HE  
≈ <narrow> 30D8 ヘ

FF8E ホ HALFWIDTH KATAKANA LETTER HO  
≈ <narrow> 30DB ホ

FF8F マ HALFWIDTH KATAKANA LETTER MA  
≈ <narrow> 30DE マ

FF90 ミ HALFWIDTH KATAKANA LETTER MI  
≈ <narrow> 30DF ミ

FF91 ム HALFWIDTH KATAKANA LETTER MU  
≈ <narrow> 30E0 ム

FF92 メ HALFWIDTH KATAKANA LETTER ME  
≈ <narrow> 30E1 メ

FF93 モ HALFWIDTH KATAKANA LETTER MO  
≈ <narrow> 30E2 モ

FF94 ヤ HALFWIDTH KATAKANA LETTER YA  
≈ <narrow> 30E4 ヤ

FF95 ユ HALFWIDTH KATAKANA LETTER YU  
≈ <narrow> 30E6 ユ

FF96 ヨ HALFWIDTH KATAKANA LETTER YO  
≈ <narrow> 30E8 ヨ

FF97 ラ HALFWIDTH KATAKANA LETTER RA  
≈ <narrow> 30E9 ラ

FF98 リ HALFWIDTH KATAKANA LETTER RI  
≈ <narrow> 30EA リ

FF99 ル HALFWIDTH KATAKANA LETTER RU  
≈ <narrow> 30EB ル

FF9A レ HALFWIDTH KATAKANA LETTER RE  
≈ <narrow> 30EC レ

FF9B ロ HALFWIDTH KATAKANA LETTER RO  
≈ <narrow> 30ED ロ

FF9C ワ HALFWIDTH KATAKANA LETTER WA  
≈ <narrow> 30EF ワ



FF9D ン HALFWIDTH KATAKANA LETTER N  
≈ <narrow> 30F3 ン

FF9E ヰ HALFWIDTH KATAKANA VOICED SOUND MARK  
≈ <narrow> 3099 ヰ

FF9F ヱ HALFWIDTH KATAKANA SEMI-VOICED SOUND MARK  
≈ <narrow> 309A ヱ

#### Halfwidth Hangul variants

See *Hangul Compatibility Jamo 3130 - 318F*

FFA0  HALFWIDTH HANGUL FILLER  
≈ <narrow> 3164 

FFA1 ㄱ HALFWIDTH HANGUL LETTER KIYEOK  
≈ <narrow> 3131 ㄱ

FFA2 ㅋ HALFWIDTH HANGUL LETTER SSANGKIYEOK  
≈ <narrow> 3132 ㅋ

FFA3 ㆁ HALFWIDTH HANGUL LETTER KIYEOK-SIOS  
≈ <narrow> 3133 ㆁ

FFA4 ㄴ HALFWIDTH HANGUL LETTER NIEUN  
≈ <narrow> 3134 ㄴ

FFA5 ㄷ HALFWIDTH HANGUL LETTER NIEUN-CIEUC  
≈ <narrow> 3135 ㄷ

FFA6 ㄹ HALFWIDTH HANGUL LETTER NIEUN-HIEUH  
≈ <narrow> 3136 ㄹ

FFA7 ㅌ HALFWIDTH HANGUL LETTER TIKEUT  
≈ <narrow> 3137 ㅌ

FFA8 ㄷㄷ HALFWIDTH HANGUL LETTER SSANGTIKEUT  
≈ <narrow> 3138 ㄷㄷ

FFA9 ㄹ HALFWIDTH HANGUL LETTER RIEUL  
≈ <narrow> 3139 ㄹ

FFAA ㄹㅌ HALFWIDTH HANGUL LETTER RIEUL-KIYEOK  
≈ <narrow> 313A ㄹㅌ

FFAB ㄹㅍ HALFWIDTH HANGUL LETTER RIEUL-MIEUM  
≈ <narrow> 313B ㄹㅍ

FFAC ㄹㅈ HALFWIDTH HANGUL LETTER RIEUL-PIEUP  
≈ <narrow> 313C ㄹㅈ

FFAD ㄹㅊ HALFWIDTH HANGUL LETTER RIEUL-SIOS  
≈ <narrow> 313D ㄹㅊ

FFAE ㄹㅊㅌ HALFWIDTH HANGUL LETTER RIEUL-THIEUTH  
≈ <narrow> 313E ㄹㅊㅌ

FFAF ㄹㅊㅍ HALFWIDTH HANGUL LETTER RIEUL-PHIEUPH  
≈ <narrow> 313F ㄹㅊㅍ

FFB0 ㄹㅊㅈ HALFWIDTH HANGUL LETTER RIEUL-HIEUH  
≈ <narrow> 3140 ㄹㅊㅈ

FFB1 ㅁ HALFWIDTH HANGUL LETTER MIEUM  
≈ <narrow> 3141 ㅁ



FFB2	ㅘ	HALFWIDTH HANGUL LETTER PIEUP ≈ <narrow> 3142 ㅘ
FFB3	ㅙ	HALFWIDTH HANGUL LETTER SSANGPIEUP ≈ <narrow> 3143 ㅙ
FFB4	ㅚ	HALFWIDTH HANGUL LETTER PIEUP-SIOS ≈ <narrow> 3144 ㅚ
FFB5	ㅛ	HALFWIDTH HANGUL LETTER SIOS ≈ <narrow> 3145 ㅛ
FFB6	ㅜ	HALFWIDTH HANGUL LETTER SSANGSIOS ≈ <narrow> 3146 ㅜ
FFB7	ㅝ	HALFWIDTH HANGUL LETTER IEUNG ≈ <narrow> 3147 ㅝ
FFB8	ㅞ	HALFWIDTH HANGUL LETTER CIEUC ≈ <narrow> 3148 ㅞ
FFB9	ㅟ	HALFWIDTH HANGUL LETTER SSANGCIEUC ≈ <narrow> 3149 ㅟ
FFBA	ㅠ	HALFWIDTH HANGUL LETTER CHIEUCH ≈ <narrow> 314A ㅠ
FFBB	ㅡ	HALFWIDTH HANGUL LETTER KHIEUKH ≈ <narrow> 314B ㅡ
FFBC	ㅢ	HALFWIDTH HANGUL LETTER THIEUTH ≈ <narrow> 314C ㅢ
FFBD	ㅣ	HALFWIDTH HANGUL LETTER PHIEUPH ≈ <narrow> 314D ㅣ
FFBE	ㅤ	HALFWIDTH HANGUL LETTER HIEUH ≈ <narrow> 314E ㅤ
FFBF	▩	<reserved>
FFC0	▩	<reserved>
FFC1	▩	<reserved>
FFC2	ㅦ	HALFWIDTH HANGUL LETTER A ≈ <narrow> 314F ㅦ
FFC3	ㅧ	HALFWIDTH HANGUL LETTER AE ≈ <narrow> 3150 ㅧ
FFC4	ㅨ	HALFWIDTH HANGUL LETTER YA ≈ <narrow> 3151 ㅨ
FFC5	ㅩ	HALFWIDTH HANGUL LETTER YAE ≈ <narrow> 3152 ㅩ
FFC6	ㅪ	HALFWIDTH HANGUL LETTER EO ≈ <narrow> 3153 ㅪ
FFC7	ㅫ	HALFWIDTH HANGUL LETTER E ≈ <narrow> 3154 ㅫ
FFC8	▩	<reserved>
FFC9	▩	<reserved>
FFCA	ㅬ	HALFWIDTH HANGUL LETTER YEO ≈ <narrow> 3155 ㅬ
FFCB	ㅭ	HALFWIDTH HANGUL LETTER YE ≈ <narrow> 3156 ㅭ
FFCC	ㅮ	HALFWIDTH HANGUL LETTER O ≈ <narrow> 3157 ㅮ
FFCD	ㅯ	HALFWIDTH HANGUL LETTER WA ≈ <narrow> 3158 ㅯ
FFCE	ㅰ	HALFWIDTH HANGUL LETTER WAE ≈ <narrow> 3159 ㅰ
FFCF	ㅱ	HALFWIDTH HANGUL LETTER OE ≈ <narrow> 315A ㅱ
FFD0	▩	<reserved>
FFD1	▩	<reserved>
FFD2	ㅲ	HALFWIDTH HANGUL LETTER YO ≈ <narrow> 315B ㅲ
FFD3	ㅳ	HALFWIDTH HANGUL LETTER U ≈ <narrow> 315C ㅳ

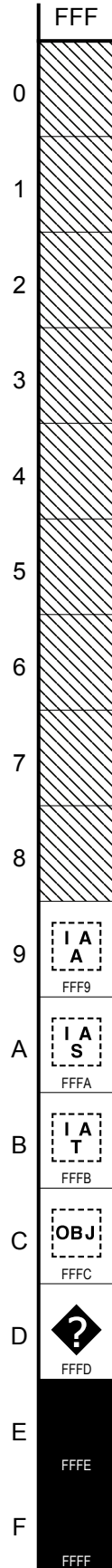
FFD4	ㅴ	HALFWIDTH HANGUL LETTER WEO ≈ <narrow> 315D ㅴ
FFD5	ㅵ	HALFWIDTH HANGUL LETTER WE ≈ <narrow> 315E ㅵ
FFD6	ㅶ	HALFWIDTH HANGUL LETTER WI ≈ <narrow> 315F ㅶ
FFD7	ㅷ	HALFWIDTH HANGUL LETTER YU ≈ <narrow> 3160 ㅷ
FFD8	▩	<reserved>
FFD9	▩	<reserved>
FFDA	ㅸ	HALFWIDTH HANGUL LETTER EU ≈ <narrow> 3161 ㅸ
FFDB	ㅹ	HALFWIDTH HANGUL LETTER YI ≈ <narrow> 3162 ㅹ
FFDC	ㅺ	HALFWIDTH HANGUL LETTER I ≈ <narrow> 3163 ㅺ

**Fullwidth symbol variants***See Latin-1 00A0 - 00FF*

FFE0	¢	FULLWIDTH CENT SIGN ≈ <wide> 00A2 ¢
FFE1	£	FULLWIDTH POUND SIGN ≈ <wide> 00A3 £
FFE2	¬	FULLWIDTH NOT SIGN ≈ <wide> 00AC ¬
FFE3	—	FULLWIDTH MACRON • sometimes treated as fullwidth overline → 203E — overline ≈ <wide> 00AF —
FFE4	‡	FULLWIDTH BROKEN BAR ≈ <wide> 00A6 ‡
FFE5	¥	FULLWIDTH YEN SIGN ≈ <wide> 00A5 ¥
FFE6	₩	FULLWIDTH WON SIGN ≈ <wide> 20A9 ₩




**Halfwidth symbol variants**

FFE8		HALFWIDTH FORMS LIGHT VERTICAL ≈ <narrow> 2502
FFE9	←	HALFWIDTH LEFTWARDS ARROW ≈ <narrow> 2190 ←
FFEA	↑	HALFWIDTH UPWARDS ARROW ≈ <narrow> 2191 ↑
FFEB	→	HALFWIDTH RIGHTWARDS ARROW ≈ <narrow> 2192 →
FFEC	↓	HALFWIDTH DOWNWARDS ARROW ≈ <narrow> 2193 ↓
FFED	■	HALFWIDTH BLACK SQUARE ≈ <narrow> 25A0 ■
FFEE	○	HALFWIDTH WHITE CIRCLE ≈ <narrow> 25CB ○






**Interlinear annotation**

*Used internally for Japanese Ruby (furigana), etc.*







- FFF9  **INTERLINEAR ANNOTATION ANCHOR**
  - marks start of annotated text
- FFFA  **INTERLINEAR ANNOTATION SEPARATOR**
  - marks start of annotating character(s)
- FFFB  **INTERLINEAR ANNOTATION TERMINATOR**
  - marks end of annotation block

























































































**Replacement characters**

- FFFC  **OBJECT REPLACEMENT CHARACTER**
  - used as placeholder in text for an otherwise unspecified object
- FFFD  **REPLACEMENT CHARACTER**
  - used to replace an incoming character whose value is unknown or unrepresentable in Unicode
  - compare the use of 001A  as a control character to indicate the substitute function

**Noncharacters**

*These codes are intended for process-internal uses, but are not permitted for interchange.*

- FFFE  **<not a character>**
  - the value FFFE  is guaranteed not to be a Unicode character at all
  - may be used to detect byte order by contrast with FEFF  which is a character
  - FEFF  zero width no-break space
- FFFF  **<not a character>**
  - the value FFFF  is guaranteed not to be a Unicode character at all

	1000	1001	1002	1003	1004	1005	1006	1007
0	 10000	 10010	 10020	 10030	 10040	 10050		
1	 10001	 10011	 10021	 10031	 10041	 10051		
2	 10002	 10012	 10022	 10032	 10042	 10052		
3	 10003	 10013	 10023	 10033	 10043	 10053		
4	 10004	 10014	 10024	 10034	 10044	 10054		
5	 10005	 10015	 10025	 10035	 10045	 10055		
6	 10006	 10016	 10026	 10036	 10046	 10056		
7	 10007	 10017		 10037	 10047	 10057		
8	 10008	 10018	 10028	 10038	 10048	 10058		
9	 10009	 10019	 10029	 10039	 10049	 10059		
A	 1000A	 1001A	 1002A	 1003A	 1004A	 1005A		
B	 1000B	 1001B	 1002B		 1004B	 1005B		
C		 1001C	 1002C	 1003C	 1004C	 1005C		
D	 1000D	 1001D	 1002D	 1003D	 1004D	 1005D		
E	 1000E	 1001E	 1002E					
F	 1000F	 1001F	 1002F	 1003F				

**Basic syllables**

10000	𐀀	LINEAR B SYLLABLE B008 A
10001	𐀁	LINEAR B SYLLABLE B038 E
10002	𐀂	LINEAR B SYLLABLE B028 I
10003	𐀃	LINEAR B SYLLABLE B061 O
10004	𐀄	LINEAR B SYLLABLE B010 U
10005	𐀅	LINEAR B SYLLABLE B001 DA
10006	𐀆	LINEAR B SYLLABLE B045 DE
10007	𐀇	LINEAR B SYLLABLE B007 DI
10008	𐀈	LINEAR B SYLLABLE B014 DO
10009	𐀉	LINEAR B SYLLABLE B051 DU
1000A	𐀊	LINEAR B SYLLABLE B057 JA
1000B	𐀋	LINEAR B SYLLABLE B046 JE
1000C	𐀌	<reserved>
1000D	𐀍	LINEAR B SYLLABLE B036 JO
1000E	𐀎	LINEAR B SYLLABLE B065 JU = ideogram B129 flour
1000F	𐀏	LINEAR B SYLLABLE B077 KA
10010	𐀐	LINEAR B SYLLABLE B044 KE
10011	𐀑	LINEAR B SYLLABLE B067 KI
10012	𐀒	LINEAR B SYLLABLE B070 KO
10013	𐀓	LINEAR B SYLLABLE B081 KU
10014	𐀔	LINEAR B SYLLABLE B080 MA
10015	𐀕	LINEAR B SYLLABLE B013 ME
10016	𐀖	LINEAR B SYLLABLE B073 MI
10017	𐀗	LINEAR B SYLLABLE B015 MO
10018	𐀘	LINEAR B SYLLABLE B023 MU = ideogram B109 ox
10019	𐀙	LINEAR B SYLLABLE B006 NA
1001A	𐀚	LINEAR B SYLLABLE B024 NE
1001B	𐀛	LINEAR B SYLLABLE B030 NI = ideogram B030 figs
1001C	𐀜	LINEAR B SYLLABLE B052 NO
1001D	𐀝	LINEAR B SYLLABLE B055 NU
1001E	𐀞	LINEAR B SYLLABLE B003 PA
1001F	𐀟	LINEAR B SYLLABLE B072 PE
10020	𐀠	LINEAR B SYLLABLE B039 PI
10021	𐀡	LINEAR B SYLLABLE B011 PO
10022	𐀢	LINEAR B SYLLABLE B050 PU
10023	𐀣	LINEAR B SYLLABLE B016 QA
10024	𐀤	LINEAR B SYLLABLE B078 QE
10025	𐀥	LINEAR B SYLLABLE B021 QI = ideogram B106 sheep
10026	𐀦	LINEAR B SYLLABLE B032 QO
10027	𐀧	<reserved>
10028	𐀨	LINEAR B SYLLABLE B060 RA
10029	𐀩	LINEAR B SYLLABLE B027 RE
1002A	𐀪	LINEAR B SYLLABLE B053 RI
1002B	𐀫	LINEAR B SYLLABLE B002 RO
1002C	𐀬	LINEAR B SYLLABLE B026 RU
1002D	𐀭	LINEAR B SYLLABLE B031 SA = ideogram B031 flax
1002E	𐀮	LINEAR B SYLLABLE B009 SE
1002F	𐀯	LINEAR B SYLLABLE B041 SI
10030	𐀰	LINEAR B SYLLABLE B012 SO
10031	𐀱	LINEAR B SYLLABLE B058 SU
10032	𐀲	LINEAR B SYLLABLE B059 TA
10033	𐀳	LINEAR B SYLLABLE B004 TE
10034	𐀴	LINEAR B SYLLABLE B037 TI
10035	𐀵	LINEAR B SYLLABLE B005 TO
10036	𐀶	LINEAR B SYLLABLE B069 TU

10037	𐀷	LINEAR B SYLLABLE B054 WA
10038	𐀸	LINEAR B SYLLABLE B075 WE
10039	𐀹	LINEAR B SYLLABLE B040 WI
1003A	𐀺	LINEAR B SYLLABLE B042 WO
1003B	𐀻	<reserved>
1003C	𐀼	LINEAR B SYLLABLE B017 ZA
1003D	𐀽	LINEAR B SYLLABLE B074 ZE
1003E	𐀾	<reserved>
1003F	𐀿	LINEAR B SYLLABLE B020 ZO

**Supplementary signs**

10040	𐀿	LINEAR B SYLLABLE B025 A2
10041	𐀿	LINEAR B SYLLABLE B043 A3
10042	𐀿	LINEAR B SYLLABLE B085 AU = ideogram B108 pig
10043	𐀿	LINEAR B SYLLABLE B071 DWE
10044	𐀿	LINEAR B SYLLABLE B090 DWO
10045	𐀿	LINEAR B SYLLABLE B048 NWA
10046	𐀿	LINEAR B SYLLABLE B029 PU2
10047	𐀿	LINEAR B SYLLABLE B062 PTE
10048	𐀿	LINEAR B SYLLABLE B076 RA2
10049	𐀿	LINEAR B SYLLABLE B033 RA3 = ideogram B144 saffron
1004A	𐀿	LINEAR B SYLLABLE B068 RO2
1004B	𐀿	LINEAR B SYLLABLE B066 TA2
1004C	𐀿	LINEAR B SYLLABLE B087 TWE
1004D	𐀿	LINEAR B SYLLABLE B091 TWO

**Symbols**

10050	𐀿	LINEAR B SYMBOL B018
10051	𐀿	LINEAR B SYMBOL B019
10052	𐀿	LINEAR B SYMBOL B022 = ideogram B107 goat
10053	𐀿	LINEAR B SYMBOL B034
10054	𐀿	LINEAR B SYMBOL B047
10055	𐀿	LINEAR B SYMBOL B049
10056	𐀿	LINEAR B SYMBOL B056
10057	𐀿	LINEAR B SYMBOL B063
10058	𐀿	LINEAR B SYMBOL B064
10059	𐀿	LINEAR B SYMBOL B079
1005A	𐀿	LINEAR B SYMBOL B082
1005B	𐀿	LINEAR B SYMBOL B083
1005C	𐀿	LINEAR B SYMBOL B086
1005D	𐀿	LINEAR B SYMBOL B089

	1008	1009	100A	100B	100C	100D	100E	100F
0	10080	10090	100A0	100B0	100C0	100D0	100E0	100F0
1	10081	10091	100A1	100B1	100C1	100D1	100E1	100F1
2	10082	10092	100A2	100B2	100C2	100D2	100E2	100F2
3	10083	10093	100A3	100B3	100C3	100D3	100E3	100F3
4	10084	10094	100A4	100B4	100C4	100D4	100E4	100F4
5	10085	10095	100A5	100B5	100C5	100D5	100E5	100F5
6	10086	10096	100A6	100B6	100C6	100D6	100E6	100F6
7	10087	10097	100A7	100B7	100C7	100D7	100E7	100F7
8	10088	10098	100A8	100B8	100C8	100D8	100E8	100F8
9	10089	10099	100A9	100B9	100C9	100D9	100E9	100F9
A	1008A	1009A	100AA	100BA	100CA	100DA	100EA	100FA
B	1008B	1009B	100AB	100BB	100CB	100DB	100EB	
C	1008C	1009C	100AC	100BC	100CC	100DC	100EC	
D	1008D	1009D	100AD	100BD	100CD	100DD	100ED	
E	1008E	1009E	100AE	100BE	100CE	100DE	100EE	
F	1008F	1009F	100AF	100BF	100CF	100DF	100EF	

Some Linear B syllables are also used as Linear B ideograms.

- 10025 𐀓 linear b syllable b021 qi
- 10052 𐀔 linear b symbol b022
- 10018 𐀕 linear b syllable b023 mu
- 1001B 𐀖 linear b syllable b030 ni
- 1002D 𐀗 linear b syllable b031 sa
- 10049 𐀘 linear b syllable b033 ra3
- 1000E 𐀙 linear b syllable b065 ju
- 10042 𐀚 linear b syllable b085 au

### People and animals

10080	𐀛	LINEAR B IDEOGRAM B100 MAN
10081	𐀜	LINEAR B IDEOGRAM B102 WOMAN
10082	𐀝	LINEAR B IDEOGRAM B104 DEER
10083	𐀞	LINEAR B IDEOGRAM B105 EQUID
10084	𐀟	LINEAR B IDEOGRAM B105F MARE
10085	𐀠	LINEAR B IDEOGRAM B105M STALLION
10086	𐀡	LINEAR B IDEOGRAM B106F EWE
10087	𐀢	LINEAR B IDEOGRAM B106M RAM
10088	𐀣	LINEAR B IDEOGRAM B107F SHE-GOAT
10089	𐀤	LINEAR B IDEOGRAM B107M HE-GOAT
1008A	𐀥	LINEAR B IDEOGRAM B108F SOW
1008B	𐀦	LINEAR B IDEOGRAM B108M BOAR
1008C	𐀧	LINEAR B IDEOGRAM B109F COW
1008D	𐀨	LINEAR B IDEOGRAM B109M BULL

### Cereals and plants

1008E	𐀩	LINEAR B IDEOGRAM B120 WHEAT
1008F	𐀪	LINEAR B IDEOGRAM B121 BARLEY
10090	𐀫	LINEAR B IDEOGRAM B122 OLIVE
10091	𐀬	LINEAR B IDEOGRAM B123 SPICE
10092	𐀭	LINEAR B IDEOGRAM B125 CYPERUS
10093	𐀮	LINEAR B MONOGRAM B127 KAPO = fruit
10094	𐀯	LINEAR B MONOGRAM B128 KANAKO = saffron

### Extracts

10095	𐀰	LINEAR B IDEOGRAM B130 OIL
10096	𐀱	LINEAR B IDEOGRAM B131 WINE
10097	𐀲	LINEAR B IDEOGRAM B132
10098	𐀳	LINEAR B MONOGRAM B133 AREPA = ointment
10099	𐀴	LINEAR B MONOGRAM B135 MERI = honey

### Metals






























1009A	𐀵	LINEAR B IDEOGRAM B140 BRONZE
1009B	𐀶	LINEAR B IDEOGRAM B141 GOLD
1009C	𐀷	LINEAR B IDEOGRAM B142

### Other materials

1009D	𐀸	LINEAR B IDEOGRAM B145 WOOL
1009E	𐀹	LINEAR B IDEOGRAM B146
1009F	𐀺	LINEAR B IDEOGRAM B150
100A0	𐀻	LINEAR B IDEOGRAM B151 HORN
100A1	𐀼	LINEAR B IDEOGRAM B152
100A2	𐀽	LINEAR B IDEOGRAM B153
100A3	𐀾	LINEAR B IDEOGRAM B154
100A4	𐀿	LINEAR B MONOGRAM B156 TURO2 = cheese
100A5	𐁀	LINEAR B IDEOGRAM B157
100A6	𐁁	LINEAR B IDEOGRAM B158
100A7	𐁂	LINEAR B IDEOGRAM B159 CLOTH

100A8	𐁃	LINEAR B IDEOGRAM B160
100A9	𐁄	LINEAR B IDEOGRAM B161
100AA	𐁅	LINEAR B IDEOGRAM B162 GARMENT
100AB	𐁆	LINEAR B IDEOGRAM B163 ARMOUR
100AC	𐁇	LINEAR B IDEOGRAM B164
100AD	𐁈	LINEAR B IDEOGRAM B165
100AE	𐁉	LINEAR B IDEOGRAM B166
100AF	𐁊	LINEAR B IDEOGRAM B167
100B0	𐁋	LINEAR B IDEOGRAM B168
100B1	𐁌	LINEAR B IDEOGRAM B169
100B2	𐁍	LINEAR B IDEOGRAM B170
100B3	𐁎	LINEAR B IDEOGRAM B171
100B4	𐁏	LINEAR B IDEOGRAM B172
100B5	𐁐	LINEAR B IDEOGRAM B173 MONTH
100B6	𐁑	LINEAR B IDEOGRAM B174
100B7	𐁒	LINEAR B IDEOGRAM B176 TREE
100B8	𐁓	LINEAR B IDEOGRAM B177
100B9	𐁔	LINEAR B IDEOGRAM B178
100BA	𐁕	LINEAR B IDEOGRAM B179
100BB	𐁖	LINEAR B IDEOGRAM B180
100BC	𐁗	LINEAR B IDEOGRAM B181
100BD	𐁘	LINEAR B IDEOGRAM B182
100BE	𐁙	LINEAR B IDEOGRAM B183
100BF	𐁚	LINEAR B IDEOGRAM B184 • the shape of this ideogram is only partially known
100C0	𐁛	LINEAR B IDEOGRAM B185
100C1	𐁜	LINEAR B IDEOGRAM B189
100C2	𐁝	LINEAR B IDEOGRAM B190
100C3	𐁞	LINEAR B IDEOGRAM B191 HELMET
100C4	𐁟	LINEAR B IDEOGRAM B220 FOOTSTOOL
100C5	𐁠	LINEAR B IDEOGRAM B225 BATHTUB
100C6	𐁡	LINEAR B IDEOGRAM B230 SPEAR
100C7	𐁢	LINEAR B IDEOGRAM B231 ARROW
100C8	𐁣	LINEAR B IDEOGRAM B232
100C9	𐁤	LINEAR B IDEOGRAM B233 SWORD = pugio
100CA	𐁥	LINEAR B IDEOGRAM B234
100CB	𐁦	LINEAR B IDEOGRAM B236 = "gupio", inverted sword
100CC	𐁧	LINEAR B IDEOGRAM B240 WHEELED CHARIOT
100CD	𐁨	LINEAR B IDEOGRAM B241 CHARIOT
100CE	𐁩	LINEAR B IDEOGRAM B242 CHARIOT FRAME
100CF	𐁪	LINEAR B IDEOGRAM B243 WHEEL
100D0	𐁫	LINEAR B IDEOGRAM B245
100D1	𐁬	LINEAR B IDEOGRAM B246
100D2	𐁭	LINEAR B MONOGRAM B247 DIPTÉ
100D3	𐁮	LINEAR B IDEOGRAM B248
100D4	𐁯	LINEAR B IDEOGRAM B249
100D5	𐁰	LINEAR B IDEOGRAM B251 • the shape of this ideogram is only partially known
100D6	𐁱	LINEAR B IDEOGRAM B252 • the shape of this ideogram is only partially known
100D7	𐁲	LINEAR B IDEOGRAM B253
100D8	𐁳	LINEAR B IDEOGRAM B254 DART
100D9	𐁴	LINEAR B IDEOGRAM B255
100DA	𐁵	LINEAR B IDEOGRAM B256
100DB	𐁶	LINEAR B IDEOGRAM B257
100DC	𐁷	LINEAR B IDEOGRAM B258
100DD	𐁸	LINEAR B IDEOGRAM B259

**Vessels**

100DE		LINEAR B IDEOGRAM VESSEL B155
100DF		LINEAR B IDEOGRAM VESSEL B200
100E0		LINEAR B IDEOGRAM VESSEL B201
100E1		LINEAR B IDEOGRAM VESSEL B202
100E2		LINEAR B IDEOGRAM VESSEL B203
100E3		LINEAR B IDEOGRAM VESSEL B204
100E4		LINEAR B IDEOGRAM VESSEL B205
100E5		LINEAR B IDEOGRAM VESSEL B206
100E6		LINEAR B IDEOGRAM VESSEL B207
100E7		LINEAR B IDEOGRAM VESSEL B208
100E8		LINEAR B IDEOGRAM VESSEL B209
100E9		LINEAR B IDEOGRAM VESSEL B210
100EA		LINEAR B IDEOGRAM VESSEL B211
100EB		LINEAR B IDEOGRAM VESSEL B212
100EC		LINEAR B IDEOGRAM VESSEL B213
100ED		LINEAR B IDEOGRAM VESSEL B214
100EE		LINEAR B IDEOGRAM VESSEL B215
100EF		LINEAR B IDEOGRAM VESSEL B216
100F0		LINEAR B IDEOGRAM VESSEL B217
100F1		LINEAR B IDEOGRAM VESSEL B218
100F2		LINEAR B IDEOGRAM VESSEL B219
100F3		LINEAR B IDEOGRAM VESSEL B221
100F4		LINEAR B IDEOGRAM VESSEL B222
100F5		LINEAR B IDEOGRAM VESSEL B226
100F6		LINEAR B IDEOGRAM VESSEL B227
100F7		LINEAR B IDEOGRAM VESSEL B228
100F8		LINEAR B IDEOGRAM VESSEL B229
100F9		LINEAR B IDEOGRAM VESSEL B250
100FA		LINEAR B IDEOGRAM VESSEL B305

- the shape of this ideogram is only partially known

	1010	1011	1012	1013
0	⋮ 10100	— 10110	⊙⊙ 10120	⊙⊙⊙ 10130
1	• 10101	= 10111	⊙⊙⊙ 10121	⊙⊙⊙⊙ 10131
2	× 10102	≡ 10112	⊙⊙ 10122	⊙⊙⊙⊙ 10132
3	▨	≡≡ 10113	⊙⊙⊙ 10123	⊙⊙⊙⊙ 10133
4	▨	≡≡≡ 10114	⊙⊙ 10124	▨
5	▨	≡≡≡ 10115	⊙⊙⊙ 10125	▨
6	▨	≡≡≡≡ 10116	⊙⊙⊙⊙ 10126	▨
7	⋮ 10107	≡≡≡ 10117	⊙⊙⊙⊙ 10127	⊙⊙⊙⊙ 10137
8	⋮⋮ 10108	≡≡≡≡ 10118	⊙⊙⊙⊙⊙ 10128	⊙⊙⊙⊙⊙ 10138
9	⋮⋮⋮ 10109	○ 10119	⊙⊙⊙⊙⊙ 10129	⊙⊙⊙⊙⊙ 10139
A	⋮⋮ 1010A	○○ 1011A	⊙⊙⊙⊙⊙ 1012A	⊙⊙⊙⊙⊙ 1013A
B	⋮⋮⋮ 1010B	⊙ 1011B	⊙⊙ 1012B	⊙ 1013B
C	⋮⋮⋮ 1010C	⊙⊙ 1011C	⊙⊙⊙ 1012C	⋮ 1013C
D	⋮⋮⋮ 1010D	⊙⊙ 1011D	⊙⊙ 1012D	↵ 1013D
E	⋮⋮⋮ 1010E	⊙⊙ 1011E	⊙⊙⊙ 1012E	↵ 1013E
F	⋮⋮⋮ 1010F	⊙⊙ 1011F	⊙⊙⊙ 1012F	↵ 1013F

**Punctuation**

- 10100 ⋮ AEGEAN WORD SEPARATOR LINE
- 10101 • AEGEAN WORD SEPARATOR DOT
- 10102 × AEGEAN CHECK MARK

**Numbers**

- 10107 ⋮ AEGEAN NUMBER ONE
- 10108 ⋮⋮ AEGEAN NUMBER TWO
- 10109 ⋮⋮⋮ AEGEAN NUMBER THREE
- 1010A ⋮⋮⋮ AEGEAN NUMBER FOUR
- 1010B ⋮⋮⋮ AEGEAN NUMBER FIVE
- 1010C ⋮⋮⋮ AEGEAN NUMBER SIX
- 1010D ⋮⋮⋮ AEGEAN NUMBER SEVEN
- 1010E ⋮⋮⋮ AEGEAN NUMBER EIGHT
- 1010F ⋮⋮⋮ AEGEAN NUMBER NINE
- 10110 — AEGEAN NUMBER TEN
- 10111 = AEGEAN NUMBER TWENTY
- 10112 = AEGEAN NUMBER THIRTY
- 10113 = AEGEAN NUMBER FORTY
- 10114 = AEGEAN NUMBER FIFTY
- 10115 = AEGEAN NUMBER SIXTY
- 10116 = AEGEAN NUMBER SEVENTY
- 10117 = AEGEAN NUMBER EIGHTY
- 10118 = AEGEAN NUMBER NINETY
- 10119 ○ AEGEAN NUMBER ONE HUNDRED
- 1011A ○⊙ AEGEAN NUMBER TWO HUNDRED
- 1011B ○⊙⊙ AEGEAN NUMBER THREE HUNDRED
- 1011C ○⊙⊙⊙ AEGEAN NUMBER FOUR HUNDRED
- 1011D ○⊙⊙⊙⊙ AEGEAN NUMBER FIVE HUNDRED
- 1011E ○⊙⊙⊙⊙⊙ AEGEAN NUMBER SIX HUNDRED
- 1011F ○⊙⊙⊙⊙⊙⊙ AEGEAN NUMBER SEVEN HUNDRED
- 10120 ○⊙⊙⊙⊙⊙⊙⊙ AEGEAN NUMBER EIGHT HUNDRED
- 10121 ○⊙⊙⊙⊙⊙⊙⊙⊙ AEGEAN NUMBER NINE HUNDRED
- 10122 ⊙ AEGEAN NUMBER ONE THOUSAND
- 10123 ⊙⊙ AEGEAN NUMBER TWO THOUSAND
- 10124 ⊙⊙⊙ AEGEAN NUMBER THREE THOUSAND
- 10125 ⊙⊙⊙⊙ AEGEAN NUMBER FOUR THOUSAND
- 10126 ⊙⊙⊙⊙⊙ AEGEAN NUMBER FIVE THOUSAND
- 10127 ⊙⊙⊙⊙⊙⊙ AEGEAN NUMBER SIX THOUSAND
- 10128 ⊙⊙⊙⊙⊙⊙⊙ AEGEAN NUMBER SEVEN THOUSAND
- 10129 ⊙⊙⊙⊙⊙⊙⊙⊙ AEGEAN NUMBER EIGHT THOUSAND
- 1012A ⊙⊙⊙⊙⊙⊙⊙⊙⊙ AEGEAN NUMBER NINE THOUSAND
- 1012B ⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙ AEGEAN NUMBER TEN THOUSAND
- 1012C ⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙ AEGEAN NUMBER TWENTY THOUSAND
- 1012D ⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙ AEGEAN NUMBER THIRTY THOUSAND
- 1012E ⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙ AEGEAN NUMBER FORTY THOUSAND
- 1012F ⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙ AEGEAN NUMBER FIFTY THOUSAND
- 10130 ⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙ AEGEAN NUMBER SIXTY THOUSAND
- 10131 ⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙ AEGEAN NUMBER SEVENTY THOUSAND
- 10132 ⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙ AEGEAN NUMBER EIGHTY THOUSAND
- 10133 ⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙⊙ AEGEAN NUMBER NINETY THOUSAND

**Measures**

- 10137 ⋮⋮ AEGEAN WEIGHT BASE UNIT
- 10138 ⋮⋮⋮ AEGEAN WEIGHT FIRST SUBUNIT
- 10139 ⋮⋮⋮⋮ AEGEAN WEIGHT SECOND SUBUNIT
- 1013A ⋮⋮⋮⋮⋮ AEGEAN WEIGHT THIRD SUBUNIT
- 1013B ⋮⋮⋮⋮⋮⋮ AEGEAN WEIGHT FOURTH SUBUNIT
- 1013C ⋮⋮⋮⋮⋮⋮⋮ AEGEAN DRY MEASURE FIRST SUBUNIT
- 1013D ⋮⋮⋮⋮⋮⋮⋮⋮ AEGEAN LIQUID MEASURE FIRST SUBUNIT
- 1013E ⋮⋮⋮⋮⋮⋮⋮⋮⋮ AEGEAN MEASURE SECOND SUBUNIT
- 1013F ⋮⋮⋮⋮⋮⋮⋮⋮⋮⋮ AEGEAN MEASURE THIRD SUBUNIT



	1014	1015	1016	1017	1018
0	☾ 10140	Δ Σ 10150	Σ 10160	Ϡ 10170	Ϟ 10180
1	☾ 10141	Δ Σ 10151	Ϡ 10161	Υ 10171	⋮ 10181
2	⊥ 10142	Η Σ 10152	Λ 10162	Ϟ 10172	Ϡ 10182
3	⊥ 10143	Ϡ Σ 10153	Υ 10163	⊥ 10173	Ϡ 10183
4	⊥ 10144	Χ Σ 10154	Ϡ 10164	⊥ <sup>M</sup> Δ 10174	⊥ 10184
5	Ϡ 10145	Μ Σ 10155	Ϡ 10165	∠ 10175	∞ 10185
6	⊥ <sup>X</sup> 10146	⊥ <sup>M</sup> Σ 10156	Ϡ 10166	∠ 10176	∞ 10186
7	⊥ <sup>M</sup> 10147	Δ Μ 10157	Ϡ 10167	ω 10177	⋮ 10187
8	⊥ <sup>T</sup> 10148	⊥ <sup>P</sup> 10158	⊥ <sup>N</sup> 10168	⊥ <sup>B</sup> 10178	⊥ <sup>P</sup> 10188
9	Δ ⊥ 10149	⊥ <sup>B</sup> 10159	⊥ <sup>E</sup> 10169	∠ 10179	⊥ <sup>T</sup> 10189
A	⊥ <sup>A</sup> 1014A	⊥ <sup>P</sup> 1015A	⊥ <sup>E</sup> 1016A	∠ 1017A	∞ 1018A
B	⊥ <sup>H</sup> 1014B	∞ 1015B	⊥ <sup>E</sup> 1016B	∠ 1017B	
C	Ϡ 1014C	∠ 1015C	⊥ <sup>P</sup> 1016C	∠ 1017C	
D	⊥ <sup>X</sup> 1014D	⊥ <sup>C</sup> 1015D	⊥ <sup>N</sup> 1016D	∠ 1017D	
E	⊥ <sup>X</sup> ⊥ <sup>T</sup> 1014E	∞ 1015E	⊥ <sup>E</sup> 1016E	∠ 1017E	
F	⊥ <sup>Σ</sup> 1014F	⊥ <sup>P</sup> 1015F	⊥ <sup>E</sup> 1016F	⊥ <sup>F</sup> 1017F	

**Ancient Greek acrophonic numerals**

*These are shown as sans-serif forms because that corresponds more closely to their appearance in ancient texts.*

10140	Ϟ	GREEK ACROPHONIC ATTIC ONE QUARTER
10141	Ϛ	GREEK ACROPHONIC ATTIC ONE HALF
10142	ϛ	GREEK ACROPHONIC ATTIC ONE DRACHMA
10143	Ϝ	GREEK ACROPHONIC ATTIC FIVE
10144	ϝ	GREEK ACROPHONIC ATTIC FIFTY
10145	Ϟ	GREEK ACROPHONIC ATTIC FIVE HUNDRED
10146	ϟ	GREEK ACROPHONIC ATTIC FIVE THOUSAND
10147	Ϡ	GREEK ACROPHONIC ATTIC FIFTY THOUSAND
10148	ϡ	GREEK ACROPHONIC ATTIC FIVE TALENTS
10149	Ϣ	GREEK ACROPHONIC ATTIC TEN TALENTS
1014A	ϣ	GREEK ACROPHONIC ATTIC FIFTY TALENTS
1014B	Ϥ	GREEK ACROPHONIC ATTIC ONE HUNDRED TALENTS
1014C	ϥ	GREEK ACROPHONIC ATTIC FIVE HUNDRED TALENTS
1014D	Ϧ	GREEK ACROPHONIC ATTIC ONE THOUSAND TALENTS
1014E	ϧ	GREEK ACROPHONIC ATTIC FIVE THOUSAND TALENTS
1014F	Ϩ	GREEK ACROPHONIC ATTIC FIVE STATERS
10150	ϩ	GREEK ACROPHONIC ATTIC TEN STATERS
10151	Ϫ	GREEK ACROPHONIC ATTIC FIFTY STATERS
10152	ϫ	GREEK ACROPHONIC ATTIC ONE HUNDRED STATERS
10153	Ϭ	GREEK ACROPHONIC ATTIC FIVE HUNDRED STATERS
10154	ϭ	GREEK ACROPHONIC ATTIC ONE THOUSAND STATERS
10155	Ϯ	GREEK ACROPHONIC ATTIC TEN THOUSAND STATERS
10156	ϯ	GREEK ACROPHONIC ATTIC FIFTY THOUSAND STATERS
10157	ϰ	GREEK ACROPHONIC ATTIC TEN MNAS
10158	ϱ	GREEK ACROPHONIC HERAEUM ONE PLETHON
10159	ϲ	GREEK ACROPHONIC THESPIAN ONE
1015A	ϳ	GREEK ACROPHONIC HERMIONIAN ONE
1015B	ϴ	GREEK ACROPHONIC EPIDAUREAN TWO → 205A : two dot punctuation
1015C	ϵ	GREEK ACROPHONIC THESPIAN TWO
1015D	϶	GREEK ACROPHONIC CYRENAIC TWO DRACHMAS
1015E	Ϸ	GREEK ACROPHONIC EPIDAUREAN TWO DRACHMAS • top line is at cap height, unlike 10111 = → 10111 = aegean number twenty
1015F	ϸ	GREEK ACROPHONIC TROEZENIAN FIVE
10160	Ϲ	GREEK ACROPHONIC TROEZENIAN TEN
10161	Ϻ	GREEK ACROPHONIC TROEZENIAN TEN ALTERNATE FORM
10162	ϻ	GREEK ACROPHONIC HERMIONIAN TEN
10163	ϼ	GREEK ACROPHONIC MESSENIAN TEN
10164	Ͻ	GREEK ACROPHONIC THESPIAN TEN
10165	Ͼ	GREEK ACROPHONIC THESPIAN THIRTY
10166	Ͽ	GREEK ACROPHONIC TROEZENIAN FIFTY
10167	Ϡ	GREEK ACROPHONIC TROEZENIAN FIFTY ALTERNATE FORM
10168	ϡ	GREEK ACROPHONIC HERMIONIAN FIFTY
10169	Ϣ	GREEK ACROPHONIC THESPIAN FIFTY
1016A	ϣ	GREEK ACROPHONIC THESPIAN ONE HUNDRED
1016B	Ϥ	GREEK ACROPHONIC THESPIAN THREE HUNDRED
1016C	ϥ	GREEK ACROPHONIC EPIDAUREAN FIVE HUNDRED
1016D	Ϧ	GREEK ACROPHONIC TROEZENIAN FIVE HUNDRED
1016E	ϧ	GREEK ACROPHONIC THESPIAN FIVE HUNDRED
1016F	Ϩ	GREEK ACROPHONIC CARYSTIAN FIVE HUNDRED
10170	ϩ	GREEK ACROPHONIC NAXIAN FIVE HUNDRED
10171	Ϫ	GREEK ACROPHONIC THESPIAN ONE THOUSAND
10172	ϫ	GREEK ACROPHONIC THESPIAN FIVE THOUSAND
10173	Ϭ	GREEK ACROPHONIC DELPHIC FIVE MNAS
10174	ϭ	GREEK ACROPHONIC STRATIAN FIFTY MNAS
<b>Ancient Greek papyrological numbers</b>		
10175	Ϯ	GREEK ONE HALF SIGN
10176	ϯ	GREEK ONE HALF SIGN ALTERNATE FORM
10177	ϰ	GREEK TWO THIRDS SIGN
10178	ϱ	GREEK THREE QUARTERS SIGN
10179	ϲ	GREEK YEAR SIGN
1017A	ϳ	GREEK TALENT SIGN
1017B	ϴ	GREEK DRACHMA SIGN
1017C	ϵ	GREEK OBOL SIGN
1017D	϶	GREEK TWO OBOLS SIGN
1017E	Ϸ	GREEK THREE OBOLS SIGN
1017F	ϸ	GREEK FOUR OBOLS SIGN
10180	Ϲ	GREEK FIVE OBOLS SIGN
10181	Ϻ	GREEK METRETES SIGN
10182	ϻ	GREEK KYATHOS BASE SIGN
10183	ϼ	GREEK LITRA SIGN
10184	Ͻ	GREEK OUNKIA SIGN
10185	Ͼ	GREEK XESTES SIGN
10186	Ͽ	GREEK ARTABE SIGN
10187	Ϡ	GREEK AROURA SIGN
10188	ϡ	GREEK GRAMMA SIGN
10189	Ϣ	GREEK TRYBLION BASE SIGN
1018A	ϣ	GREEK ZERO SIGN

	1019	101A	101B	101C
0	= 10190			
1	— 10191			
2	£ 10192			
3	ⷂ 10193			
4	ⷃ 10194			
5	) 10195			
6	ⷄ 10196			
7	ⷅ 10197			
8	HS 10198			
9	H 10199			
A	ⷆ 1019A			
B	⷇ 1019B			
C				
D				
E				
F				

**Roman weights and measures**

















































- 10190 = ROMAN SEXTANS SIGN  
→ 003D = equals sign
- 10191 – ROMAN UNCIA SIGN  
→ 002D - hyphen-minus
- 10192 £ ROMAN SEMUNCIA SIGN  
→ 00A3 £ pound sign
- 10193 ⷂ ROMAN SEXTULA SIGN  
→ A644 ⷂ cyrillic capital letter reversed dze
- 10194 ⷃ ROMAN DIMIDIA SEXTULA SIGN
- 10195 ) ROMAN SILIQUA SIGN

**Roman coin symbols**

- 10196 ⷄ ROMAN DENARIUS SIGN
- 10197 ⷅ ROMAN QUINARIUS SIGN
- 10198 HS ROMAN SESTERTIUS SIGN
- 10199 H ROMAN DUPONDIUS SIGN
- 1019A ⷆ ROMAN AS SIGN  
→ 233F ⷆ apl functional symbol slash bar














































**Roman military symbol**

- 1019B ⷇ ROMAN CENTURIAL SIGN

	101D	101E	101F
0	 101D0	 101E0	 101F0
1	 101D1	 101E1	 101F1
2	 101D2	 101E2	 101F2
3	 101D3	 101E3	 101F3
4	 101D4	 101E4	 101F4
5	 101D5	 101E5	 101F5
6	 101D6	 101E6	 101F6
7	 101D7	 101E7	 101F7
8	 101D8	 101E8	 101F8
9	 101D9	 101E9	 101F9
A	 101DA	 101EA	 101FA
B	 101DB	 101EB	 101FB
C	 101DC	 101EC	 101FC
D	 101DD	 101ED	 101FD
E	 101DE	 101EE	
F	 101DF	 101EF	

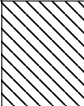
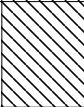
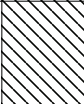
The characters in this block can be used to represent the signs found on the undeciphered Phaistos Disc.

**Signs**

- 101D0  PHAISTOS DISC SIGN PEDESTRIAN
- 101D1  PHAISTOS DISC SIGN PLUMED HEAD
- 101D2  PHAISTOS DISC SIGN TATTOOED HEAD
- 101D3  PHAISTOS DISC SIGN CAPTIVE
- 101D4  PHAISTOS DISC SIGN CHILD
- 101D5  PHAISTOS DISC SIGN WOMAN
- 101D6  PHAISTOS DISC SIGN HELMET
- 101D7  PHAISTOS DISC SIGN GAUNTLET
- 101D8  PHAISTOS DISC SIGN TIARA
- 101D9  PHAISTOS DISC SIGN ARROW
- 101DA  PHAISTOS DISC SIGN BOW
- 101DB  PHAISTOS DISC SIGN SHIELD
- 101DC  PHAISTOS DISC SIGN CLUB
- 101DD  PHAISTOS DISC SIGN MANACLES
- 101DE  PHAISTOS DISC SIGN MATTOCK
- 101DF  PHAISTOS DISC SIGN SAW
- 101E0  PHAISTOS DISC SIGN LID
- 101E1  PHAISTOS DISC SIGN BOOMERANG
- 101E2  PHAISTOS DISC SIGN CARPENTRY PLANE
- 101E3  PHAISTOS DISC SIGN DOLIUM
- 101E4  PHAISTOS DISC SIGN COMB
- 101E5  PHAISTOS DISC SIGN SLING
- 101E6  PHAISTOS DISC SIGN COLUMN
- 101E7  PHAISTOS DISC SIGN BEEHIVE
- 101E8  PHAISTOS DISC SIGN SHIP
- 101E9  PHAISTOS DISC SIGN HORN
- 101EA  PHAISTOS DISC SIGN HIDE
- 101EB  PHAISTOS DISC SIGN BULLS LEG
- 101EC  PHAISTOS DISC SIGN CAT
- 101ED  PHAISTOS DISC SIGN RAM
- 101EE  PHAISTOS DISC SIGN EAGLE
- 101EF  PHAISTOS DISC SIGN DOVE
- 101F0  PHAISTOS DISC SIGN TUNNY
- 101F1  PHAISTOS DISC SIGN BEE
- 101F2  PHAISTOS DISC SIGN PLANE TREE
- 101F3  PHAISTOS DISC SIGN VINE
- 101F4  PHAISTOS DISC SIGN PAPYRUS
- 101F5  PHAISTOS DISC SIGN ROSETTE
- 101F6  PHAISTOS DISC SIGN LILY
- 101F7  PHAISTOS DISC SIGN OX BACK
- 101F8  PHAISTOS DISC SIGN FLUTE
- 101F9  PHAISTOS DISC SIGN GRATER
- 101FA  PHAISTOS DISC SIGN STRAINER
- 101FB  PHAISTOS DISC SIGN SMALL AXE
- 101FC  PHAISTOS DISC SIGN WAVY BAND

**Combining stroke**

- 101FD  PHAISTOS DISC SIGN COMBINING OBLIQUE STROKE

	1028	1029
0	𐌱 10280	𐌶 10290
1	𐌰 10281	𐌷 10291
2	𐌲 10282	𐌸 10292
3	𐌳 10283	𐌹 10293
4	𐌴 10284	𐌺 10294
5	𐌵 10285	𐌻 10295
6	𐌶 10286	𐌼 10296
7	𐌷 10287	𐌽 10297
8	𐌸 10288	𐌾 10298
9	𐌹 10289	𐌿 10299
A	𐌺 1028A	𐍀 1029A
B	𐌻 1028B	𐍁 1029B
C	𐌼 1028C	𐍂 1029C
D	𐌽 1028D	
E	𐌾 1028E	
F	𐌿 1028F	

**Letters**

- 10280 𐌱 LYCIAN LETTER A
- 10281 𐌰 LYCIAN LETTER E
- 10282 𐌲 LYCIAN LETTER B
- 10283 𐌳 LYCIAN LETTER BH
- 10284 𐌴 LYCIAN LETTER G
- 10285 𐌵 LYCIAN LETTER D
- 10286 𐌶 LYCIAN LETTER I
- 10287 𐌷 LYCIAN LETTER W
- 10288 𐌸 LYCIAN LETTER Z
- 10289 𐌹 LYCIAN LETTER TH
- 1028A 𐌺 LYCIAN LETTER J
- 1028B 𐌻 LYCIAN LETTER K
- 1028C 𐌼 LYCIAN LETTER Q
- 1028D 𐌽 LYCIAN LETTER L
- 1028E 𐌾 LYCIAN LETTER M
- 1028F 𐌿 LYCIAN LETTER N
- 10290 𐌶 LYCIAN LETTER MM
- 10291 𐌷 LYCIAN LETTER NN
- 10292 𐌸 LYCIAN LETTER U
- 10293 𐌹 LYCIAN LETTER P
- 10294 𐌺 LYCIAN LETTER KK
- 10295 𐌻 LYCIAN LETTER R
- 10296 𐌼 LYCIAN LETTER S
- 10297 𐌽 LYCIAN LETTER T
- 10298 𐌾 LYCIAN LETTER TT
- 10299 𐌿 LYCIAN LETTER AN
- 1029A 𐍀 LYCIAN LETTER EN
- 1029B 𐍁 LYCIAN LETTER H
- 1029C 𐍂 LYCIAN LETTER X

	102A	102B	102C	102D
0	A 102A0	M 102B0	Σ 102C0	Ψ 102D0
1	B 102A1	T 102B1	Ϡ 102C1	
2	Ɔ 102A2	Υ 102B2	)( 102C2	
3	Δ 102A3	Φ 102B3	Ϛ 102C3	
4	Ǝ 102A4	× 102B4	Ϟ 102C4	
5	F 102A5	Υ 102B5	HH 102C5	
6	I 102A6	Ω 102B6	ϣ 102C6	
7	⊞ 102A7	⊞ 102B7	↑ 102C7	
8	⊕ 102A8	⊖ 102B8	⌋⌋ 102C8	
9	Γ 102A9	⊖ 102B9	Ϛ 102C9	
A	N 102AA	⊞ 102BA	⌋ 102CA	
B	⊖ 102AB	⊞ 102BB	⌋ 102CB	
C	⌋ 102AC	∇ 102BC	ϣ 102CC	
D	Ϛ 102AD	Υ 102BD	ρ 102CD	
E	ϣ 102AE	∧ 102BE	Δ 102CE	
F	R 102AF	⌋ 102BF	H 102CF	

**Letters**

- 102A0 A CARIAN LETTER A
- 102A1 B CARIAN LETTER P2
- 102A2 Ɔ CARIAN LETTER D
- 102A3 Δ CARIAN LETTER L
- 102A4 Ǝ CARIAN LETTER UUU
- 102A5 F CARIAN LETTER R
- 102A6 I CARIAN LETTER LD
- 102A7 ⊞ CARIAN LETTER A2
- 102A8 ⊕ CARIAN LETTER Q
- 102A9 Γ CARIAN LETTER B
- 102AA N CARIAN LETTER M
- 102AB ⊖ CARIAN LETTER O
- 102AC ⌋ CARIAN LETTER D2
- 102AD Ϛ CARIAN LETTER T
- 102AE ϣ CARIAN LETTER SH
- 102AF R CARIAN LETTER SH2
- 102B0 M CARIAN LETTER S
- 102B1 T CARIAN LETTER C-18
- 102B2 Υ CARIAN LETTER U
- 102B3 Φ CARIAN LETTER NN
- 102B4 × CARIAN LETTER X
- 102B5 Υ CARIAN LETTER N
- 102B6 Ω CARIAN LETTER TT2
- 102B7 ⊞ CARIAN LETTER P
- 102B8 ⊖ CARIAN LETTER SS
- 102B9 ⊖ CARIAN LETTER I
- 102BA ⊞ CARIAN LETTER E
- 102BB ⊞ CARIAN LETTER UUUU
- 102BC ∇ CARIAN LETTER K
- 102BD ∇ CARIAN LETTER K2
- 102BE ⋈ CARIAN LETTER ND
- 102BF ⌋ CARIAN LETTER UU
- 102C0 Σ CARIAN LETTER G
- 102C1 Ϡ CARIAN LETTER G2
- 102C2 )( CARIAN LETTER ST
- 102C3 Ϛ CARIAN LETTER ST2
- 102C4 Ϟ CARIAN LETTER NG
- 102C5 HH CARIAN LETTER II
- 102C6 ϣ CARIAN LETTER C-39
- 102C7 ↑ CARIAN LETTER TT
- 102C8 ⌋⌋ CARIAN LETTER UUU2
- 102C9 Ϛ CARIAN LETTER RR
- 102CA ⌋ CARIAN LETTER MB
- 102CB ⌋ CARIAN LETTER MB2
- 102CC ϣ CARIAN LETTER MB3
- 102CD ϣ CARIAN LETTER MB4
- 102CE Δ CARIAN LETTER LD2
- 102CF H CARIAN LETTER E2
- 102D0 Ψ CARIAN LETTER UUU3

	1030	1031	1032
0	𐌀 10300	𐌁 10310	𐌂 10320
1	𐌃 10301	𐌄 10311	𐌅 10321
2	𐌆 10302	𐌇 10312	𐌈 10322
3	𐌉 10303	𐌐 10313	𐌑 10323
4	𐌒 10304	𐌓 10314	
5	𐌔 10305	𐌕 10315	
6	𐌖 10306	𐌗 10316	
7	𐌘 10307	𐌙 10317	
8	𐌚 10308	𐌛 10318	
9	𐌜 10309	𐌝 10319	
A	𐌞 1030A	𐌟 1031A	
B	𐌠 1030B	𐌡 1031B	
C	𐌢 1030C	𐌣 1031C	
D	𐌤 1030D	𐌥 1031D	
E	𐌦 1030E	𐌧 1031E	
F	𐌨 1030F		

**Letters**

10300	𐌀	OLD ITALIC LETTER A
10301	𐌃	OLD ITALIC LETTER BE
10302	𐌆	OLD ITALIC LETTER KE
10303	𐌉	OLD ITALIC LETTER DE
10304	𐌒	OLD ITALIC LETTER E
10305	𐌔	OLD ITALIC LETTER VE
10306	𐌖	OLD ITALIC LETTER ZE
10307	𐌘	OLD ITALIC LETTER HE
10308	𐌚	OLD ITALIC LETTER THE
10309	𐌜	OLD ITALIC LETTER I
1030A	𐌞	OLD ITALIC LETTER KA
1030B	𐌠	OLD ITALIC LETTER EL
1030C	𐌢	OLD ITALIC LETTER EM
1030D	𐌤	OLD ITALIC LETTER EN
1030E	𐌦	OLD ITALIC LETTER ESH
1030F	𐌨	OLD ITALIC LETTER O

## • Faliscan

10310	𐌁	OLD ITALIC LETTER PE
10311	𐌄	OLD ITALIC LETTER SHE
10312	𐌇	OLD ITALIC LETTER KU
10313	𐌐	OLD ITALIC LETTER ER
10314	𐌓	OLD ITALIC LETTER ES
10315	𐌕	OLD ITALIC LETTER TE
10316	𐌗	OLD ITALIC LETTER U
10317	𐌙	OLD ITALIC LETTER EKS

## • Faliscan

10318	𐌛	OLD ITALIC LETTER PHE
10319	𐌝	OLD ITALIC LETTER KHE
1031A	𐌟	OLD ITALIC LETTER EF

**Umbrian letters**

1031B	𐌡	OLD ITALIC LETTER ERS
1031C	𐌣	OLD ITALIC LETTER CHE

**Oscan letters**

1031D	𐌥	OLD ITALIC LETTER II
1031E	𐌧	OLD ITALIC LETTER UU

**Numerals**

































10320	𐌂	OLD ITALIC NUMERAL ONE
10321	𐌅	OLD ITALIC NUMERAL FIVE
10322	𐌈	OLD ITALIC NUMERAL TEN
10323	𐌑	OLD ITALIC NUMERAL FIFTY

	1033	1034
0	À 10330	Ų 10340
1	Ḃ 10331	Ḅ 10341
2	Ḟ 10332	Ḟ 10342
3	Ḣ 10333	Ḥ 10343
4	Ḟ 10334	Ḟ 10344
5	Ḣ 10335	Ḥ 10345
6	Ḟ 10336	Ḟ 10346
7	Ḣ 10337	Ḥ 10347
8	Ḟ 10338	Ḟ 10348
9	Ḣ 10339	Ḥ 10349
A	Ḟ 1033A	Ḟ 1034A
B	Ḟ 1033B	
C	Ḟ 1033C	
D	Ḟ 1033D	
E	Ḟ 1033E	
F	Ḟ 1033F	































**Letters**

10330	À	GOTHIC LETTER AHSÀ
10331	Ḃ	GOTHIC LETTER BAIRKAN
10332	Ḟ	GOTHIC LETTER GIBA
10333	Ḣ	GOTHIC LETTER DAGS
10334	Ḟ	GOTHIC LETTER AIHVUS
10335	Ḣ	GOTHIC LETTER QAIRTHRA
10336	Ḟ	GOTHIC LETTER IUJA
10337	Ḣ	GOTHIC LETTER HAGL
10338	Ḟ	GOTHIC LETTER THIUTH
10339	Ḣ	GOTHIC LETTER EIS
1033A	Ḟ	GOTHIC LETTER KUSMA
1033B	Ḟ	GOTHIC LETTER LAGUS
1033C	Ḟ	GOTHIC LETTER MANNA
1033D	Ḟ	GOTHIC LETTER NAUTHS
1033E	Ḟ	GOTHIC LETTER JER
1033F	Ḟ	GOTHIC LETTER URUS
10340	Ų	GOTHIC LETTER PAIRTHRA
10341	Ḅ	GOTHIC LETTER NINETY
10342	Ḟ	GOTHIC LETTER RAIDÀ
10343	Ḥ	GOTHIC LETTER SAUIL
10344	Ḟ	GOTHIC LETTER TEIWS
10345	Ḥ	GOTHIC LETTER WINJA
10346	Ḟ	GOTHIC LETTER FAIHU
10347	X	GOTHIC LETTER IGGWS
10348	Ḟ	GOTHIC LETTER HWAIR
10349	Ḟ	GOTHIC LETTER OTHAL
1034A	Ḟ	GOTHIC LETTER NINE HUNDRED



	1038	1039
0	 10380	 10390
1	 10381	 10391
2	 10382	 10392
3	 10383	 10393
4	 10384	 10394
5	 10385	 10395
6	 10386	 10396
7	 10387	 10397
8	 10388	 10398
9	 10389	 10399
A	 1038A	 1039A
B	 1038B	 1039B
C	 1038C	 1039C
D	 1038D	 1039D
E	 1038E	
F	 1038F	 1039F

**Letters**

- 10380  UGARITIC LETTER ALPA
- 10381  UGARITIC LETTER BETA
- 10382  UGARITIC LETTER GAMLA
- 10383  UGARITIC LETTER KHA
- 10384  UGARITIC LETTER DELTA
- 10385  UGARITIC LETTER HO
- 10386  UGARITIC LETTER WO
- 10387  UGARITIC LETTER ZETA
- 10388  UGARITIC LETTER HOTA
- 10389  UGARITIC LETTER TET
- 1038A  UGARITIC LETTER YOD
- 1038B  UGARITIC LETTER KAF
- 1038C  UGARITIC LETTER SHIN
- 1038D  UGARITIC LETTER LAMDA
- 1038E  UGARITIC LETTER MEM
- 1038F  UGARITIC LETTER DHAL
- 10390  UGARITIC LETTER NUN
- 10391  UGARITIC LETTER ZU
- 10392  UGARITIC LETTER SAMKA
- 10393  UGARITIC LETTER AIN
- 10394  UGARITIC LETTER PU
- 10395  UGARITIC LETTER SADE
- 10396  UGARITIC LETTER QOPA
- 10397  UGARITIC LETTER RASHA
- 10398  UGARITIC LETTER THANNA
- 10399  UGARITIC LETTER GHAIN
- 1039A  UGARITIC LETTER TO
- 1039B  UGARITIC LETTER I
- 1039C  UGARITIC LETTER U
- 1039D  UGARITIC LETTER SSU

**Punctuation**

- 1039F  UGARITIC WORD DIVIDER

	103A	103B	103C	103D
0	103A0	103B0	103C0	103D0
1	103A1	103B1	103C1	103D1
2	103A2	103B2	103C2	103D2
3	103A3	103B3	103C3	103D3
4	103A4	103B4		103D4
5	103A5	103B5		103D5
6	103A6	103B6		
7	103A7	103B7		
8	103A8	103B8	103C8	
9	103A9	103B9	103C9	
A	103AA	103BA	103CA	
B	103AB	103BB	103CB	
C	103AC	103BC	103CC	
D	103AD	103BD	103CD	
E	103AE	103BE	103CE	
F	103AF	103BF	103CF	

**Independent vowels**

- 103A0 OLD PERSIAN SIGN A
- 103A1 OLD PERSIAN SIGN I
- 103A2 OLD PERSIAN SIGN U

**Consonants**

- 103A3 OLD PERSIAN SIGN KA
- 103A4 OLD PERSIAN SIGN KU
- 103A5 OLD PERSIAN SIGN GA
- 103A6 OLD PERSIAN SIGN GU
- 103A7 OLD PERSIAN SIGN XA
- 103A8 OLD PERSIAN SIGN CA
- 103A9 OLD PERSIAN SIGN JA
- 103AA OLD PERSIAN SIGN JI
- 103AB OLD PERSIAN SIGN TA
- 103AC OLD PERSIAN SIGN TU
- 103AD OLD PERSIAN SIGN DA
- 103AE OLD PERSIAN SIGN DI
- 103AF OLD PERSIAN SIGN DU
- 103B0 OLD PERSIAN SIGN THA
- 103B1 OLD PERSIAN SIGN PA
- 103B2 OLD PERSIAN SIGN BA
- 103B3 OLD PERSIAN SIGN FA
- 103B4 OLD PERSIAN SIGN NA
- 103B5 OLD PERSIAN SIGN NU
- 103B6 OLD PERSIAN SIGN MA
- 103B7 OLD PERSIAN SIGN MI
- 103B8 OLD PERSIAN SIGN MU
- 103B9 OLD PERSIAN SIGN YA
- 103BA OLD PERSIAN SIGN VA
- 103BB OLD PERSIAN SIGN VI
- 103BC OLD PERSIAN SIGN RA
- 103BD OLD PERSIAN SIGN RU
- 103BE OLD PERSIAN SIGN LA
- 103BF OLD PERSIAN SIGN SA
- 103C0 OLD PERSIAN SIGN ZA
- 103C1 OLD PERSIAN SIGN SHA
- 103C2 OLD PERSIAN SIGN SSA
- 103C3 OLD PERSIAN SIGN HA

**Various signs**

- 103C8 OLD PERSIAN SIGN AURAMAZDAA
- 103C9 OLD PERSIAN SIGN AURAMAZDAA-2
- 103CA OLD PERSIAN SIGN AURAMAZDAAHA
- 103CB OLD PERSIAN SIGN XSHAAATHIYA
- 103CC OLD PERSIAN SIGN DAHYAAUSH
- 103CD OLD PERSIAN SIGN DAHYAAUSH-2
- 103CE OLD PERSIAN SIGN BAGA
- 103CF OLD PERSIAN SIGN BUUMISH

**Punctuation**

- 103D0 OLD PERSIAN WORD DIVIDER

**Numbers**

- 103D1 OLD PERSIAN NUMBER ONE
- 103D2 OLD PERSIAN NUMBER TWO
- 103D3 OLD PERSIAN NUMBER TEN
- 103D4 OLD PERSIAN NUMBER TWENTY
- 103D5 OLD PERSIAN NUMBER HUNDRED

	1040	1041	1042	1043	1044
0	𐄀 10400	𐄁 10410	𐄂 10420	𐄃 10430	𐄄 10440
1	𐄅 10401	𐄆 10411	𐄇 10421	𐄈 10431	𐄉 10441
2	𐄊 10402	𐄋 10412	𐄌 10422	𐄍 10432	𐄎 10442
3	𐄏 10403	𐄐 10413	𐄑 10423	𐄒 10433	𐄓 10443
4	𐄔 10404	𐄕 10414	𐄖 10424	𐄗 10434	𐄘 10444
5	𐄙 10405	𐄚 10415	𐄛 10425	𐄜 10435	𐄝 10445
6	𐄞 10406	𐄟 10416	𐄠 10426	𐄡 10436	𐄢 10446
7	𐄣 10407	𐄤 10417	𐄥 10427	𐄦 10437	𐄧 10447
8	𐄨 10408	𐄩 10418	𐄪 10428	𐄫 10438	𐄬 10448
9	𐄭 10409	𐄮 10419	𐄯 10429	𐄰 10439	𐄱 10449
A	𐄲 1040A	𐄳 1041A	𐄴 1042A	𐄵 1043A	𐄶 1044A
B	𐄷 1040B	𐄸 1041B	𐄹 1042B	𐄺 1043B	𐄻 1044B
C	𐄼 1040C	𐄽 1041C	𐄾 1042C	𐄿 1043C	𐅀 1044C
D	𐅁 1040D	𐅂 1041D	𐅃 1042D	𐅄 1043D	𐅅 1044D
E	𐅆 1040E	𐅇 1041E	𐅈 1042E	𐅉 1043E	𐅊 1044E
F	𐅋 1040F	𐅌 1041F	𐅍 1042F	𐅎 1043F	𐅏 1044F

**Uppercase letters**

10400 Ǿ DESERET CAPITAL LETTER LONG I  
 10401 ɛ DESERET CAPITAL LETTER LONG E  
 10402 ɞ DESERET CAPITAL LETTER LONG A  
 10403 Ɔ DESERET CAPITAL LETTER LONG AH  
 10404 O DESERET CAPITAL LETTER LONG O  
 10405 Ɔ DESERET CAPITAL LETTER LONG OO  
 10406 † DESERET CAPITAL LETTER SHORT I  
 10407 ǀ DESERET CAPITAL LETTER SHORT E  
 10408 ǁ DESERET CAPITAL LETTER SHORT A  
 10409 ǂ DESERET CAPITAL LETTER SHORT AH  
 1040A † DESERET CAPITAL LETTER SHORT O  
 1040B ǃ DESERET CAPITAL LETTER SHORT OO  
 1040C Ǆ DESERET CAPITAL LETTER AY  
 1040D Ɔ DESERET CAPITAL LETTER OW  
 1040E Ɔ DESERET CAPITAL LETTER WU  
 1040F Ɔ DESERET CAPITAL LETTER YEE  
 10410 Ɔ DESERET CAPITAL LETTER H  
 10411 ǂ DESERET CAPITAL LETTER PEE  
 10412 ɞ DESERET CAPITAL LETTER BEE  
 10413 ǁ DESERET CAPITAL LETTER TEE  
 10414 Ɔ DESERET CAPITAL LETTER DEE  
 10415 Ɔ DESERET CAPITAL LETTER CHEE  
 10416 Ɔ DESERET CAPITAL LETTER JEE  
 10417 Ɔ DESERET CAPITAL LETTER KAY  
 10418 Ɔ DESERET CAPITAL LETTER GAY  
 10419 Ɔ DESERET CAPITAL LETTER EF  
 1041A Ɔ DESERET CAPITAL LETTER VEE  
 1041B L DESERET CAPITAL LETTER ETH  
 1041C Ɔ DESERET CAPITAL LETTER THEE  
 1041D Ɔ DESERET CAPITAL LETTER ES  
 1041E Ɔ DESERET CAPITAL LETTER ZEE  
 1041F D DESERET CAPITAL LETTER ESH  
 10420 Ɔ DESERET CAPITAL LETTER ZHEE  
 10421 Ɔ DESERET CAPITAL LETTER ER  
 10422 Ɔ DESERET CAPITAL LETTER EL  
 10423 Ɔ DESERET CAPITAL LETTER EM  
 10424 Ɔ DESERET CAPITAL LETTER EN  
 10425 Ɔ DESERET CAPITAL LETTER ENG  
 10426 Ɔ DESERET CAPITAL LETTER OI  
 10427 Ɔ DESERET CAPITAL LETTER EW

**Lowercase letters**

10428 ǿ DESERET SMALL LETTER LONG I  
 10429 ɛ DESERET SMALL LETTER LONG E  
 1042A ɞ DESERET SMALL LETTER LONG A  
 1042B Ɔ DESERET SMALL LETTER LONG AH  
 1042C o DESERET SMALL LETTER LONG O  
 1042D Ɔ DESERET SMALL LETTER LONG OO  
 1042E † DESERET SMALL LETTER SHORT I  
 1042F ǀ DESERET SMALL LETTER SHORT E  
 10430 ǁ DESERET SMALL LETTER SHORT A  
 10431 ǂ DESERET SMALL LETTER SHORT AH  
 10432 † DESERET SMALL LETTER SHORT O  
 10433 ǃ DESERET SMALL LETTER SHORT OO  
 10434 Ǆ DESERET SMALL LETTER AY  
 10435 Ɔ DESERET SMALL LETTER OW  
 10436 Ɔ DESERET SMALL LETTER WU  
 10437 Ɔ DESERET SMALL LETTER YEE  
 10438 Ɔ DESERET SMALL LETTER H  
 10439 ǂ DESERET SMALL LETTER PEE

1043A ɞ DESERET SMALL LETTER BEE  
 1043B ǁ DESERET SMALL LETTER TEE  
 1043C Ɔ DESERET SMALL LETTER DEE  
 1043D Ɔ DESERET SMALL LETTER CHEE  
 1043E Ɔ DESERET SMALL LETTER JEE  
 1043F Ɔ DESERET SMALL LETTER KAY  
 10440 Ɔ DESERET SMALL LETTER GAY  
 10441 Ɔ DESERET SMALL LETTER EF  
 10442 Ɔ DESERET SMALL LETTER VEE  
 10443 L DESERET SMALL LETTER ETH  
 10444 Ɔ DESERET SMALL LETTER THEE  
 10445 Ɔ DESERET SMALL LETTER ES  
 10446 Ɔ DESERET SMALL LETTER ZEE  
 10447 D DESERET SMALL LETTER ESH  
 10448 Ɔ DESERET SMALL LETTER ZHEE  
 10449 Ɔ DESERET SMALL LETTER ER  
 1044A Ɔ DESERET SMALL LETTER EL  
 1044B Ɔ DESERET SMALL LETTER EM  
 1044C Ɔ DESERET SMALL LETTER EN  
 1044D Ɔ DESERET SMALL LETTER ENG  
 1044E Ɔ DESERET SMALL LETTER OI  
 1044F Ɔ DESERET SMALL LETTER EW

	1045	1046	1047
0	𐍂 10450	𐍃 10460	𐍄 10470
1	𐍅 10451	𐍆 10461	𐍇 10471
2	𐍈 10452	𐍉 10462	𐍊 10472
3	𐍋 10453	𐍌 10463	𐍍 10473
4	𐍎 10454	𐍏 10464	𐍐 10474
5	𐍑 10455	𐍒 10465	𐍓 10475
6	𐍔 10456	𐍕 10466	𐍖 10476
7	𐍗 10457	𐍘 10467	𐍙 10477
8	𐍚 10458	𐍛 10468	𐍜 10478
9	𐍟 10459	𐍠 10469	𐍡 10479
A	𐍣 1045A	𐍤 1046A	𐍥 1047A
B	𐍧 1045B	𐍨 1046B	𐍩 1047B
C	𐍮 1045C	𐍯 1046C	𐍰 1047C
D	𐍳 1045D	𐍴 1046D	𐍵 1047D
E	𐍸 1045E	𐍹 1046E	𐍺 1047E
F	𐍿 1045F	𐎀 1046F	𐎁 1047F

**Consonants**

10450	𐍂	SHAVIAN LETTER PEEP
10451	𐍅	SHAVIAN LETTER TOT
10452	𐍈	SHAVIAN LETTER KICK
10453	𐍋	SHAVIAN LETTER FEE
10454	𐍎	SHAVIAN LETTER THIGH
10455	𐍑	SHAVIAN LETTER SO
10456	𐍔	SHAVIAN LETTER SURE
10457	𐍗	SHAVIAN LETTER CHURCH
10458	𐍚	SHAVIAN LETTER YEA
10459	𐍟	SHAVIAN LETTER HUNG
1045A	𐍣	SHAVIAN LETTER BIB
1045B	𐍧	SHAVIAN LETTER DEAD
1045C	𐍮	SHAVIAN LETTER GAG
1045D	𐍳	SHAVIAN LETTER VOW
1045E	𐍸	SHAVIAN LETTER THEY
1045F	𐍿	SHAVIAN LETTER ZOO
10460	𐍃	SHAVIAN LETTER MEASURE
10461	𐍆	SHAVIAN LETTER JUDGE
10462	𐍉	SHAVIAN LETTER WOE
10463	𐍌	SHAVIAN LETTER HA-HA
10464	𐍏	SHAVIAN LETTER LOLL
10465	𐍒	SHAVIAN LETTER MIME

**Vowels**

10466	𐍕	SHAVIAN LETTER IF
10467	𐍖	SHAVIAN LETTER EGG
10468	𐍗	SHAVIAN LETTER ASH
10469	𐍘	SHAVIAN LETTER ADO
1046A	𐍙	SHAVIAN LETTER ON
1046B	𐍚	SHAVIAN LETTER WOOL
1046C	𐍛	SHAVIAN LETTER OUT
1046D	𐍜	SHAVIAN LETTER AH
1046E	𐍝	SHAVIAN LETTER ROAR
1046F	𐍞	SHAVIAN LETTER NUN
10470	𐍟	SHAVIAN LETTER EAT
10471	𐍠	SHAVIAN LETTER AGE
10472	𐍡	SHAVIAN LETTER ICE
10473	𐍣	SHAVIAN LETTER UP
10474	𐍤	SHAVIAN LETTER OAK
10475	𐍥	SHAVIAN LETTER OOZE
10476	𐍧	SHAVIAN LETTER OIL
10477	𐍩	SHAVIAN LETTER AWE
10478	𐍫	SHAVIAN LETTER ARE
10479	𐍭	SHAVIAN LETTER OR
1047A	𐍯	SHAVIAN LETTER AIR
1047B	𐍱	SHAVIAN LETTER ERR
1047C	𐍳	SHAVIAN LETTER ARRAY
1047D	𐍵	SHAVIAN LETTER EAR
1047E	𐍷	SHAVIAN LETTER IAN
1047F	𐍹	SHAVIAN LETTER YEY

	1048	1049	104A
0	ø 10480	ŋ 10490	0 104A0
1	Ƴ 10481	ɓ 10491	ɓ 104A1
2	ɗ 10482	ɗ 10492	ɗ 104A2
3	ɗ 10483	ɗ 10493	ɗ 104A3
4	ɗ 10484	ɗ 10494	ø 104A4
5	ɗ 10485	ɗ 10495	ɗ 104A5
6	0 10486	ɓ 10496	Ƴ 104A6
7	7 10487	ɓ 10497	ɗ 104A7
8	ɗ 10488	9 10498	C 104A8
9	ɗ 10489	ɗ 10499	U 104A9
A	ɗ 1048A	ɗ 1049A	
B	Ƴ 1048B	ɗ 1049B	
C	ɗ 1048C	U 1049C	
D	ɗ 1048D	ɗ 1049D	
E	ɗ 1048E		
F	ɗ 1048F		

**Letters**

- 10480 ø OSMANYA LETTER ALEF
- 10481 Ƴ OSMANYA LETTER BA
- 10482 ɗ OSMANYA LETTER TA
- 10483 ɗ OSMANYA LETTER JA
- 10484 ɗ OSMANYA LETTER XA
- 10485 ɗ OSMANYA LETTER KHA
- 10486 0 OSMANYA LETTER DEEL
- 10487 7 OSMANYA LETTER RA
- 10488 ɗ OSMANYA LETTER SA
- 10489 ɗ OSMANYA LETTER SHIIN
- 1048A ɗ OSMANYA LETTER DHA
- 1048B Ƴ OSMANYA LETTER CAYN
- 1048C ɗ OSMANYA LETTER GA
- 1048D ɗ OSMANYA LETTER FA
- 1048E ɗ OSMANYA LETTER QAAF
- 1048F ɗ OSMANYA LETTER KAAF
- 10490 ɗ OSMANYA LETTER LAAN
- 10491 ɓ OSMANYA LETTER MIIN
- 10492 ɗ OSMANYA LETTER NUUN
- 10493 ɗ OSMANYA LETTER WAW
- 10494 ɗ OSMANYA LETTER HA
- 10495 ɗ OSMANYA LETTER YA
- 10496 ɓ OSMANYA LETTER A
- 10497 ɓ OSMANYA LETTER E
- 10498 9 OSMANYA LETTER I
- 10499 ɗ OSMANYA LETTER O
- 1049A ɗ OSMANYA LETTER U
- 1049B ɗ OSMANYA LETTER AA
- 1049C U OSMANYA LETTER EE
- 1049D ɗ OSMANYA LETTER OO

**Digits**

- 104A0 0 OSMANYA DIGIT ZERO
- 104A1 ɓ OSMANYA DIGIT ONE
- 104A2 ɗ OSMANYA DIGIT TWO
- 104A3 ɗ OSMANYA DIGIT THREE
- 104A4 ø OSMANYA DIGIT FOUR
- 104A5 ɗ OSMANYA DIGIT FIVE
- 104A6 Ƴ OSMANYA DIGIT SIX
- 104A7 ɗ OSMANYA DIGIT SEVEN
- 104A8 C OSMANYA DIGIT EIGHT
- 104A9 U OSMANYA DIGIT NINE

































	1080	1081	1082	1083
0	✱ 10800	8 10810	∩ 10820	⌒ 10830
1	✱ 10801	∠ 10811	ϣ 10821	⌒ 10831
2	✱ 10802	† 10812	∩ 10822	✱ 10832
3	∩ 10803	∩ 10813	∩ 10823	I 10833
4	∩ 10804	✱ 10814	∩ 10824	✱ 10834
5	∩ 10805	✱ 10815	∩ 10825	∩ 10835
6	▨	∩ 10816	∩ 10826	▨
7	▨	∩ 10817	∩ 10827	∩ 10837
8	∩ 10808	∩ 10818	∩ 10828	∩ 10838
9	▨	∩ 10819	∩ 10829	▨
A	∩ 1080A	∩ 1081A	∩ 1082A	▨
B	∩ 1080B	∩ 1081B	∩ 1082B	▨
C	∩ 1080C	∩ 1081C	∩ 1082C	∩ 1083C
D	∩ 1080D	∩ 1081D	∩ 1082D	▨
E	∩ 1080E	∩ 1081E	∩ 1082E	▨
F	∩ 1080F	∩ 1081F	∩ 1082F	∩ 1083F

**Syllables**






















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10801	✖	CYPRIOT SYLLABLE E
10802	✖	CYPRIOT SYLLABLE I
10803	≅	CYPRIOT SYLLABLE O
10804	↖	CYPRIOT SYLLABLE U
10805	∅	CYPRIOT SYLLABLE JA
10806	▨	<reserved>
10807	▨	<reserved>
10808	≈	CYPRIOT SYLLABLE JO
10809	▨	<reserved>
1080A	↑	CYPRIOT SYLLABLE KA
1080B	✖	CYPRIOT SYLLABLE KE
1080C	↖	CYPRIOT SYLLABLE KI
1080D	∏	CYPRIOT SYLLABLE KO
1080E	✖	CYPRIOT SYLLABLE KU
1080F	≈	CYPRIOT SYLLABLE LA
10810	8	CYPRIOT SYLLABLE LE
10811	∠	CYPRIOT SYLLABLE LI
10812	+	CYPRIOT SYLLABLE LO
10813	∩	CYPRIOT SYLLABLE LU
10814	✖	CYPRIOT SYLLABLE MA
10815	✖	CYPRIOT SYLLABLE ME
10816	≈	CYPRIOT SYLLABLE MI
10817	∅	CYPRIOT SYLLABLE MO
10818	≈	CYPRIOT SYLLABLE MU
10819	∟	CYPRIOT SYLLABLE NA
1081A	∩	CYPRIOT SYLLABLE NE
1081B	≈	CYPRIOT SYLLABLE NI
1081C	↗	CYPRIOT SYLLABLE NO
1081D	✖	CYPRIOT SYLLABLE NU
1081E	≠	CYPRIOT SYLLABLE PA
1081F	∫	CYPRIOT SYLLABLE PE
10820	≈	CYPRIOT SYLLABLE PI
10821	∫	CYPRIOT SYLLABLE PO
10822	≈	CYPRIOT SYLLABLE PU
10823	∩	CYPRIOT SYLLABLE RA
10824	∩	CYPRIOT SYLLABLE RE
10825	↘	CYPRIOT SYLLABLE RI
10826	∩	CYPRIOT SYLLABLE RO
10827	∩	CYPRIOT SYLLABLE RU
10828	∩	CYPRIOT SYLLABLE SA
10829	∩	CYPRIOT SYLLABLE SE
1082A	∩	CYPRIOT SYLLABLE SI
1082B	≅	CYPRIOT SYLLABLE SO
1082C	✖	CYPRIOT SYLLABLE SU
1082D	∩	CYPRIOT SYLLABLE TA
1082E	≈	CYPRIOT SYLLABLE TE
1082F	↑	CYPRIOT SYLLABLE TI
10830	∩	CYPRIOT SYLLABLE TO
10831	∩	CYPRIOT SYLLABLE TU
10832	✖	CYPRIOT SYLLABLE WA
10833	∩	CYPRIOT SYLLABLE WE
10834	✖	CYPRIOT SYLLABLE WI
10835	∩	CYPRIOT SYLLABLE WO
10836	▨	<reserved>
10837	∩	CYPRIOT SYLLABLE XA
10838	∩	CYPRIOT SYLLABLE XE
10839	▨	<reserved>
1083A	▨	<reserved>
1083B	▨	<reserved>

1083C	✖	CYPRIOT SYLLABLE ZA
1083D	▨	<reserved>
1083E	▨	<reserved>
1083F	∫	CYPRIOT SYLLABLE ZO



	1084	1085
0	 10840	 10850
1	 10841	 10851
2	 10842	 10852
3	 10843	 10853
4	 10844	 10854
5	 10845	 10855
6	 10846	
7	 10847	 10857
8	 10848	 10858
9	 10849	 10859
A	 1084A	 1085A
B	 1084B	 1085B
C	 1084C	 1085C
D	 1084D	 1085D
E	 1084E	 1085E
F	 1084F	 1085F









**Letters**

































10840		IMPERIAL ARAMAIC LETTER ALEPH
10841		IMPERIAL ARAMAIC LETTER BETH
10842		IMPERIAL ARAMAIC LETTER GIMEL
10843		IMPERIAL ARAMAIC LETTER DALETH
10844		IMPERIAL ARAMAIC LETTER HE
10845		IMPERIAL ARAMAIC LETTER WAW
10846		IMPERIAL ARAMAIC LETTER ZAYIN
10847		IMPERIAL ARAMAIC LETTER HETH
10848		IMPERIAL ARAMAIC LETTER TETH
10849		IMPERIAL ARAMAIC LETTER KAPH
1084A		IMPERIAL ARAMAIC LETTER LAMEDH
1084B		IMPERIAL ARAMAIC LETTER MEM
1084C		IMPERIAL ARAMAIC LETTER NUN
1084D		IMPERIAL ARAMAIC LETTER SAMEKH
1084E		IMPERIAL ARAMAIC LETTER AYIN
1084F		IMPERIAL ARAMAIC LETTER PE
10850		IMPERIAL ARAMAIC LETTER SADHE
10851		IMPERIAL ARAMAIC LETTER QOPH
10852		IMPERIAL ARAMAIC LETTER RESH
10853		IMPERIAL ARAMAIC LETTER SHIN
10854		IMPERIAL ARAMAIC LETTER TAW

**Punctuation**

10857		IMPERIAL ARAMAIC SECTION SIGN
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**Numbers**

10858		IMPERIAL ARAMAIC NUMBER ONE
10859		IMPERIAL ARAMAIC NUMBER TWO
1085A		IMPERIAL ARAMAIC NUMBER THREE
1085B		IMPERIAL ARAMAIC NUMBER TEN
1085C		IMPERIAL ARAMAIC NUMBER TWENTY
1085D		IMPERIAL ARAMAIC NUMBER ONE HUNDRED
1085E		IMPERIAL ARAMAIC NUMBER ONE THOUSAND
1085F		IMPERIAL ARAMAIC NUMBER TEN THOUSAND

	1090	1091
0	 10900	 10910
1	 10901	 10911
2	 10902	 10912
3	 10903	 10913
4	 10904	 10914
5	 10905	 10915
6	 10906	 10916
7	 10907	 10917
8	 10908	 10918
9	 10909	 10919
A	 1090A	 1091A
B	 1090B	 1091B
C	 1090C	
D	 1090D	
E	 1090E	
F	 1090F	 1091F

**Letters**

10900	ⵀ	PHOENICIAN LETTER ALF → 05D0 ⵀ hebrew letter alef
10901	ⵁ	PHOENICIAN LETTER BET → 05D1 ⵁ hebrew letter bet
10902	ⵂ	PHOENICIAN LETTER GAML → 05D2 ⵂ hebrew letter gimel
10903	ⵃ	PHOENICIAN LETTER DELT → 05D3 ⵃ hebrew letter dalet
10904	ⵄ	PHOENICIAN LETTER HE → 05D4 ⵄ hebrew letter he
10905	ⵅ	PHOENICIAN LETTER WAU → 05D5 ⵅ hebrew letter vav
10906	ⵆ	PHOENICIAN LETTER ZAI → 05D6 ⵆ hebrew letter zayin
10907	ⵇ	PHOENICIAN LETTER HET → 05D7 ⵇ hebrew letter het
10908	ⵈ	PHOENICIAN LETTER TET → 05D8 ⵈ hebrew letter tet
10909	ⵉ	PHOENICIAN LETTER YOD → 05D9 ⵉ hebrew letter yod
1090A	ⵊ	PHOENICIAN LETTER KAF → 05DB ⵊ hebrew letter kaf
1090B	ⵋ	PHOENICIAN LETTER LAMD → 05DC ⵋ hebrew letter lamed
1090C	ⵌ	PHOENICIAN LETTER MEM → 05DE ⵌ hebrew letter mem
1090D	ⵍ	PHOENICIAN LETTER NUN → 05E0 ⵍ hebrew letter nun
1090E	ⵎ	PHOENICIAN LETTER SEMK → 05E1 ⵎ hebrew letter samekh
1090F	ⵏ	PHOENICIAN LETTER AIN → 05E2 ⵏ hebrew letter ayin
10910	ⵐ	PHOENICIAN LETTER PE → 05E4 ⵐ hebrew letter pe
10911	ⵑ	PHOENICIAN LETTER SADE → 05E6 ⵑ hebrew letter tsadi
10912	ⵒ	PHOENICIAN LETTER QOF → 05E7 ⵒ hebrew letter qof
10913	ⵓ	PHOENICIAN LETTER ROSH → 05E8 ⵓ hebrew letter resh
10914	ⵔ	PHOENICIAN LETTER SHIN → 05E9 ⵔ hebrew letter shin
10915	ⵕ	PHOENICIAN LETTER TAU → 05EA ⵕ hebrew letter tav

**Numbers**

10916	ⵖ	PHOENICIAN NUMBER ONE
10917	ⵗ	PHOENICIAN NUMBER TEN
10918	ⵘ	PHOENICIAN NUMBER TWENTY
10919	ⵙ	PHOENICIAN NUMBER ONE HUNDRED
1091A	ⵚ	PHOENICIAN NUMBER TWO
1091B	ⵛ	PHOENICIAN NUMBER THREE

**Punctuation**

1091F	ⵞ	PHOENICIAN WORD SEPARATOR → 002E . full stop → 00B7 · middle dot → 2E31 · word separator middle dot • sometimes shown with a glyph for a short vertical bar
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	1092	1093
0	Α 10920	Υ 10930
1	Β 10921	Ϝ 10931
2	Ϙ 10922	ϙ 10932
3	Ϛ 10923	ϛ 10933
4	Ϝ 10924	Ϟ 10934
5	Ϡ 10925	Μ 10935
6	Ι 10926	Υ 10936
7	Ϙ 10927	Υ 10937
8	Ϛ 10928	ϛ 10938
9	Ϝ 10929	↑ 10939
A	Ϡ 1092A	
B	Ϡ 1092B	
C	○ 1092C	
D	Ϙ 1092D	
E	ϛ 1092E	
F	Τ 1092F	◁ 1093F

**Letters**

- 10920 Α LYDIAN LETTER A
- 10921 Β LYDIAN LETTER B
- 10922 Ϙ LYDIAN LETTER G
- 10923 Ϛ LYDIAN LETTER D
- 10924 Ϝ LYDIAN LETTER E
- 10925 Ϡ LYDIAN LETTER V
- 10926 Ι LYDIAN LETTER I
- 10927 Ϙ LYDIAN LETTER Y
- 10928 Ϛ LYDIAN LETTER K
- 10929 Ϝ LYDIAN LETTER L
- 1092A Ϡ LYDIAN LETTER M
- 1092B Ϡ LYDIAN LETTER N
- 1092C ○ LYDIAN LETTER O
- 1092D Ϙ LYDIAN LETTER R
- 1092E ϛ LYDIAN LETTER SS
- 1092F Τ LYDIAN LETTER T
- 10930 Υ LYDIAN LETTER U
- 10931 Ϝ LYDIAN LETTER F
- 10932 + LYDIAN LETTER Q
- 10933 ϙ LYDIAN LETTER S
- 10934 Ϟ LYDIAN LETTER TT
- 10935 Μ LYDIAN LETTER AN
- 10936 Υ LYDIAN LETTER EN
- 10937 Υ LYDIAN LETTER LY
- 10938 ϛ LYDIAN LETTER NN
- 10939 ↑ LYDIAN LETTER C

**Punctuation**

- 1093F ◁ LYDIAN TRIANGULAR MARK

	10A0	10A1	10A2	10A3	10A4	10A5
0	𑀀 10A00	𑀁 10A10	𑀂 10A20	𑀃 10A30	𑀄 10A40	𑀅 10A50
1	𑀆 10A01	𑀇 10A11	𑀈 10A21	𑀉 10A31	𑀊 10A41	𑀋 10A51
2	𑀌 10A02	𑀍 10A12	𑀎 10A22	𑀏 10A32	𑀐 10A42	𑀑 10A52
3	𑀒 10A03	𑀓 10A13	𑀔 10A23	𑀕 10A33	𑀖 10A43	𑀗 10A53
4	𑀘	𑀙	𑀚 10A24	𑀛	𑀜 10A44	𑀝 10A54
5	𑀞 10A05	𑀟 10A15	𑀠 10A25	𑀡	𑀢 10A45	𑀣 10A55
6	𑀤 10A06	𑀥 10A16	𑀦 10A26	𑀧	𑀨 10A46	𑀩 10A56
7	𑀪	𑀫 10A17	𑀬 10A27	𑀭	𑀮 10A47	𑀯 10A57
8	𑀰	𑀱	𑀲 10A28	𑀳 10A38	𑀴	𑀵 10A58
9	𑀶	𑀷 10A19	𑀸 10A29	𑀹 10A39	𑀺	𑀻
A	𑀼	𑀽 10A1A	𑀾 10A2A	𑀿 10A3A	𑁀	𑁁
B	𑁂	𑁃 10A1B	𑁄 10A2B	𑁅	𑁆	𑁇
C	𑁈 10A0C	𑁉 10A1C	𑁊 10A2C	𑁋	𑁌	𑁍
D	𑁎 10A0D	𑁏 10A1D	𑁐 10A2D	𑁑	𑁒	𑁓
E	𑁔 10A0E	𑁕 10A1E	𑁖 10A2E	𑁗	𑁘	𑁙
F	𑁚 10A0F	𑁛 10A1F	𑁜 10A2F	𑁝 10A3F	𑁞	𑁟

**Vowels**

10A00	𑀀	KHAROSHTHI LETTER A
10A01	𑀁	KHAROSHTHI VOWEL SIGN I
10A02	𑀂	KHAROSHTHI VOWEL SIGN U
10A03	𑀃	KHAROSHTHI VOWEL SIGN VOCALIC R
10A04	𑀄	<reserved>
10A05	𑀅	KHAROSHTHI VOWEL SIGN E
10A06	𑀆	KHAROSHTHI VOWEL SIGN O

**Length mark**

10A0C	𑀌	KHAROSHTHI VOWEL LENGTH MARK
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**Various signs**

10A0D	𑀍	KHAROSHTHI SIGN DOUBLE RING BELOW
10A0E	𑀎	KHAROSHTHI SIGN ANUSVARA
10A0F	𑀏	KHAROSHTHI SIGN VISARGA

**Consonants**

10A10	𑀐	KHAROSHTHI LETTER KA
10A11	𑀑	KHAROSHTHI LETTER KHA
10A12	𑀒	KHAROSHTHI LETTER GA
10A13	𑀓	KHAROSHTHI LETTER GHA
10A14	𑀔	<reserved>
10A15	𑀕	KHAROSHTHI LETTER CA
10A16	𑀖	KHAROSHTHI LETTER CHA
10A17	𑀗	KHAROSHTHI LETTER JA
10A18	𑀘	<reserved>
10A19	𑀙	KHAROSHTHI LETTER NYA
10A1A	𑀚	KHAROSHTHI LETTER TTA
10A1B	𑀛	KHAROSHTHI LETTER TTHA
10A1C	𑀜	KHAROSHTHI LETTER DDA
10A1D	𑀝	KHAROSHTHI LETTER DDHA
10A1E	𑀞	KHAROSHTHI LETTER NNA
10A1F	𑀟	KHAROSHTHI LETTER TA
10A20	𑀠	KHAROSHTHI LETTER THA
10A21	𑀡	KHAROSHTHI LETTER DA
10A22	𑀢	KHAROSHTHI LETTER DHA
10A23	𑀣	KHAROSHTHI LETTER NA
10A24	𑀤	KHAROSHTHI LETTER PA
10A25	𑀥	KHAROSHTHI LETTER PHA
10A26	𑀦	KHAROSHTHI LETTER BA
10A27	𑀧	KHAROSHTHI LETTER BHA
10A28	𑀨	KHAROSHTHI LETTER MA
10A29	𑀩	KHAROSHTHI LETTER YA
10A2A	𑀪	KHAROSHTHI LETTER RA
10A2B	𑀫	KHAROSHTHI LETTER LA
10A2C	𑀬	KHAROSHTHI LETTER VA
10A2D	𑀭	KHAROSHTHI LETTER SHA
10A2E	𑀮	KHAROSHTHI LETTER SSA
10A2F	𑀯	KHAROSHTHI LETTER SA
10A30	𑀰	KHAROSHTHI LETTER ZA
10A31	𑀱	KHAROSHTHI LETTER HA
10A32	𑀲	KHAROSHTHI LETTER KKA
10A33	𑀳	KHAROSHTHI LETTER TTTHA

**Various signs**

10A38	𑀸	KHAROSHTHI SIGN BAR ABOVE
10A39	𑀹	KHAROSHTHI SIGN CAUDA
10A3A	𑀺	KHAROSHTHI SIGN DOT BELOW

**Virama**

10A3F	𑀿	KHAROSHTHI VIRAMA
		= halant
		• suppresses inherent vowel
		• shape shown is arbitrary and is not visibly rendered

**Digits**

































10A40	𑁀	KHAROSHTHI DIGIT ONE
10A41	𑁁	KHAROSHTHI DIGIT TWO
10A42	𑁂	KHAROSHTHI DIGIT THREE
10A43	𑁃	KHAROSHTHI DIGIT FOUR

**Numbers**

10A44	𑁄	KHAROSHTHI NUMBER TEN
10A45	𑁅	KHAROSHTHI NUMBER TWENTY
10A46	𑁆	KHAROSHTHI NUMBER ONE HUNDRED
10A47	𑁇	KHAROSHTHI NUMBER ONE THOUSAND

**Punctuation**

10A50	𑁈	KHAROSHTHI PUNCTUATION DOT
10A51	𑁉	KHAROSHTHI PUNCTUATION SMALL CIRCLE
10A52	𑁊	KHAROSHTHI PUNCTUATION CIRCLE
10A53	𑁋	KHAROSHTHI PUNCTUATION CRESCENT BAR
10A54	𑁌	KHAROSHTHI PUNCTUATION MANGALAM
10A55	𑁍	KHAROSHTHI PUNCTUATION LOTUS
10A56	𑁎	KHAROSHTHI PUNCTUATION DANDA
10A57	𑁏	KHAROSHTHI PUNCTUATION DOUBLE DANDA
10A58	𑁐	KHAROSHTHI PUNCTUATION LINES

	10A6	10A7
0	 10A60	 10A70
1	 10A61	 10A71
2	 10A62	 10A72
3	 10A63	 10A73
4	 10A64	 10A74
5	 10A65	 10A75
6	 10A66	 10A76
7	 10A67	 10A77
8	 10A68	 10A78
9	 10A69	 10A79
A	 10A6A	 10A7A
B	 10A6B	 10A7B
C	 10A6C	 10A7C
D	 10A6D	 10A7D
E	 10A6E	 10A7E
F	 10A6F	 10A7F

**Letters**

*Letter names are based on North-West Semitic. Arabic names are given as aliases, along with Latin transliterations. The historically-related Ethiopic letters are also shown.*

10A60	𐩢	OLD SOUTH ARABIAN LETTER HE = heh • transliterated as h → 1200 𐩢 ethiopic syllable ha	10A6F	𐩢	OLD SOUTH ARABIAN LETTER SAMEKH • transliterated as 015B ś or s3
10A61	𐩣	OLD SOUTH ARABIAN LETTER LAMEDH = lam • transliterated as l → 1208 𐩣 ethiopic syllable la	10A70	𐩣	OLD SOUTH ARABIAN LETTER FE = feh • transliterated as f → 1348 𐩣 ethiopic syllable fa
10A62	𐩤	OLD SOUTH ARABIAN LETTER HETH = hah • transliterated as 1E25 𐩤 → 1210 𐩤 ethiopic syllable hha	10A71	𐩥	OLD SOUTH ARABIAN LETTER ALEF = alef • transliterated as 02BC 𐩥 → 12A0 𐩥 ethiopic syllable glottal a
10A63	𐩦	OLD SOUTH ARABIAN LETTER MEM = meem • transliterated as m → 1218 𐩦 ethiopic syllable ma	10A72	𐩦	OLD SOUTH ARABIAN LETTER AYN = ain • transliterated as 02BD 𐩦 → 12D0 𐩦 ethiopic syllable pharyngeal a
10A64	𐩧	OLD SOUTH ARABIAN LETTER QOPH = qaf • transliterated as q → 1240 𐩧 ethiopic syllable qa	10A73	𐩧	OLD SOUTH ARABIAN LETTER DHADHE = dad • transliterated as 1E0D 𐩧 → 1340 𐩧 ethiopic syllable tza
10A65	𐩨	OLD SOUTH ARABIAN LETTER WAW = waw • transliterated as w → 12C8 𐩨 ethiopic syllable wa	10A74	𐩨	OLD SOUTH ARABIAN LETTER GIMEL = jeem • transliterated as g → 1308 𐩨 ethiopic syllable ga
10A66	𐩩	OLD SOUTH ARABIAN LETTER SHIN = sheen • transliterated as 0161 š or s2 → 1220 𐩩 ethiopic syllable sza	10A75	𐩩	OLD SOUTH ARABIAN LETTER DALETH = dal • transliterated as d → 12F0 𐩩 ethiopic syllable da
10A67	𐩪	OLD SOUTH ARABIAN LETTER RESH = reh • transliterated as r → 1228 𐩪 ethiopic syllable ra	10A76	𐩪	OLD SOUTH ARABIAN LETTER GHAYN = ghain • transliterated as 0121 ġ → 12F0 𐩪 ethiopic syllable da
10A68	𐩫	OLD SOUTH ARABIAN LETTER BETH = beh • transliterated as b → 1260 𐩫 ethiopic syllable ba	10A77	𐩫	OLD SOUTH ARABIAN LETTER TETH = tah • transliterated as 1E6D 𐩫 → 1320 𐩫 ethiopic syllable tha
10A69	𐩬	OLD SOUTH ARABIAN LETTER TAW = teh • transliterated as t → 1270 𐩬 ethiopic syllable ta	10A78	𐩬	OLD SOUTH ARABIAN LETTER ZAYN = zain • transliterated as z → 12D8 𐩬 ethiopic syllable za
10A6A	𐩭	OLD SOUTH ARABIAN LETTER SAT • transliterated as s or s1 → 1230 𐩭 ethiopic syllable sa	10A79	𐩭	OLD SOUTH ARABIAN LETTER DHALETH = thal • transliterated as 1E0F 𐩭
10A6B	𐩮	OLD SOUTH ARABIAN LETTER KAPH = kaf • transliterated as k → 12A8 𐩮 ethiopic syllable ka	10A7A	𐩮	OLD SOUTH ARABIAN LETTER YODH = yeh • transliterated as y → 12E8 𐩮 ethiopic syllable ya
10A6C	𐩯	OLD SOUTH ARABIAN LETTER NUN = noon • transliterated as n → 1290 𐩯 ethiopic syllable na	10A7B	𐩯	OLD SOUTH ARABIAN LETTER THAW = theh • transliterated as 1E6F 𐩯
10A6D	𐩰	OLD SOUTH ARABIAN LETTER KHETH = khah • transliterated as 1E2B 𐩰 → 1280 𐩰 ethiopic syllable xa	10A7C	𐩰	OLD SOUTH ARABIAN LETTER THETH = zah • transliterated as 1E93 𐩰
10A6E	𐩱	OLD SOUTH ARABIAN LETTER SADHE = sad • transliterated as 1E63 𐩱 → 1338 𐩱 ethiopic syllable tsa			

**Numbers**

10A7D	𐩲	OLD SOUTH ARABIAN NUMBER ONE
10A7E	𐩳	OLD SOUTH ARABIAN NUMBER FIFTY
10A7F	𐩴	OLD SOUTH ARABIAN NUMERIC INDICATOR

	10B0	10B1	10B2	10B3
0	𐬀 10B00	𐬁 10B10	𐬂 10B20	𐬃 10B30
1	𐬄 10B01	𐬅 10B11	𐬆 10B21	𐬇 10B31
2	𐬈 10B02	𐬉 10B12	𐬊 10B22	𐬋 10B32
3	𐬌 10B03	𐬍 10B13	𐬎 10B23	𐬏 10B33
4	𐬐 10B04	𐬑 10B14	𐬒 10B24	𐬓 10B34
5	𐬔 10B05	𐬕 10B15	𐬖 10B25	𐬗 10B35
6	𐬘 10B06	𐬙 10B16	𐬚 10B26	
7	𐬛 10B07	𐬜 10B17	𐬝 10B27	
8	𐬞 10B08	𐬟 10B18	𐬠 10B28	
9	𐬡 10B09	𐬢 10B19	𐬣 10B29	𐬤 10B39
A	𐬥 10B0A	𐬦 10B1A	𐬧 10B2A	𐬨 10B3A
B	𐬩 10B0B	𐬪 10B1B	𐬫 10B2B	𐬬 10B3B
C	𐬭 10B0C	𐬮 10B1C	𐬯 10B2C	𐬰 10B3C
D	𐬱 10B0D	𐬲 10B1D	𐬳 10B2D	𐬴 10B3D
E	𐬵 10B0E	𐬶 10B1E	𐬷 10B2E	𐬸 10B3E
F	𐬹 10B0F	𐬺 10B1F	𐬻 10B2F	𐬼 10B3F



**Vowels**

































10B00	𐬀	AVESTAN LETTER A
10B01	𐬁	AVESTAN LETTER AA
10B02	𐬂	AVESTAN LETTER AO
10B03	𐬃	AVESTAN LETTER AAO
10B04	𐬄	AVESTAN LETTER AN
10B05	𐬅	AVESTAN LETTER AAN
10B06	𐬆	AVESTAN LETTER AE
10B07	𐬇	AVESTAN LETTER AEE
10B08	𐬈	AVESTAN LETTER E
10B09	𐬉	AVESTAN LETTER EE
10B0A	𐬊	AVESTAN LETTER O
10B0B	𐬋	AVESTAN LETTER OO
10B0C	𐬌	AVESTAN LETTER I
10B0D	𐬍	AVESTAN LETTER II
10B0E	𐬎	AVESTAN LETTER U
10B0F	𐬏	AVESTAN LETTER UU

**Consonants**























10B10	𐬐	AVESTAN LETTER KE
10B11	𐬑	AVESTAN LETTER XE
10B12	𐬒	AVESTAN LETTER XYE
10B13	𐬓	AVESTAN LETTER XVE
10B14	𐬔	AVESTAN LETTER GE
10B15	𐬕	AVESTAN LETTER GGE
10B16	𐬖	AVESTAN LETTER GHE
10B17	𐬗	AVESTAN LETTER CE
10B18	𐬘	AVESTAN LETTER JE
10B19	𐬙	AVESTAN LETTER TE
10B1A	𐬚	AVESTAN LETTER THE
10B1B	𐬛	AVESTAN LETTER DE
10B1C	𐬜	AVESTAN LETTER DHE
10B1D	𐬝	AVESTAN LETTER TTE
10B1E	𐬞	AVESTAN LETTER PE
10B1F	𐬟	AVESTAN LETTER FE
10B20	𐬠	AVESTAN LETTER BE
10B21	𐬡	AVESTAN LETTER BHE
10B22	𐬢	AVESTAN LETTER NGE
10B23	𐬣	AVESTAN LETTER NGYE
10B24	𐬤	AVESTAN LETTER NGVE
10B25	𐬥	AVESTAN LETTER NE
10B26	𐬦	AVESTAN LETTER NYE
10B27	𐬧	AVESTAN LETTER NNE
10B28	𐬨	AVESTAN LETTER ME
10B29	𐬩	AVESTAN LETTER HME
10B2A	𐬪	AVESTAN LETTER YYE
10B2B	𐬫	AVESTAN LETTER YE
10B2C	𐬬	AVESTAN LETTER VE
10B2D	𐬭	AVESTAN LETTER RE
10B2E	𐬮	AVESTAN LETTER LE
10B2F	𐬯	AVESTAN LETTER SE
10B30	𐬰	AVESTAN LETTER ZE
10B31	𐬱	AVESTAN LETTER SHE
10B32	𐬲	AVESTAN LETTER ZHE
10B33	𐬳	AVESTAN LETTER SHYE
10B34	𐬴	AVESTAN LETTER SSHE
10B35	𐬵	AVESTAN LETTER HE

**Punctuation**









10B39	◦	AVESTAN ABBREVIATION MARK → 2218 ◦ ring operator → 2E30 ◦ ring point → 2E31 · word separator middle dot
10B3A	∴	TINY TWO DOTS OVER ONE DOT PUNCTUATION
10B3B	∵	SMALL TWO DOTS OVER ONE DOT PUNCTUATION
10B3C	∴	LARGE TWO DOTS OVER ONE DOT PUNCTUATION
10B3D	∴	LARGE ONE DOT OVER TWO DOTS PUNCTUATION
10B3E	◦◦	LARGE TWO RINGS OVER ONE RING PUNCTUATION
10B3F	◦◦	LARGE ONE RING OVER TWO RINGS PUNCTUATION

	10B4	10B5
0	 10B40	 10B50
1	 10B41	 10B51
2	 10B42	 10B52
3	 10B43	 10B53
4	 10B44	 10B54
5	 10B45	 10B55
6	 10B46	
7	 10B47	
8	 10B48	 10B58
9	 10B49	 10B59
A	 10B4A	 10B5A
B	 10B4B	 10B5B
C	 10B4C	 10B5C
D	 10B4D	 10B5D
E	 10B4E	 10B5E
F	 10B4F	 10B5F

**Letters**

10B40		INSCRIPTIONAL PARTHIAN LETTER ALEPH
10B41		INSCRIPTIONAL PARTHIAN LETTER BETH
10B42		INSCRIPTIONAL PARTHIAN LETTER GIMEL
10B43		INSCRIPTIONAL PARTHIAN LETTER DALETH
10B44		INSCRIPTIONAL PARTHIAN LETTER HE
10B45		INSCRIPTIONAL PARTHIAN LETTER WAW
10B46		INSCRIPTIONAL PARTHIAN LETTER ZAYIN
10B47		INSCRIPTIONAL PARTHIAN LETTER HETH
10B48		INSCRIPTIONAL PARTHIAN LETTER TETH
10B49		INSCRIPTIONAL PARTHIAN LETTER YODH
10B4A		INSCRIPTIONAL PARTHIAN LETTER KAPH
10B4B		INSCRIPTIONAL PARTHIAN LETTER LAMEDH
10B4C		INSCRIPTIONAL PARTHIAN LETTER MEM
10B4D		INSCRIPTIONAL PARTHIAN LETTER NUN
10B4E		INSCRIPTIONAL PARTHIAN LETTER SAMEKH
10B4F		INSCRIPTIONAL PARTHIAN LETTER AYIN
10B50		INSCRIPTIONAL PARTHIAN LETTER PE
10B51		INSCRIPTIONAL PARTHIAN LETTER SADHE
10B52		INSCRIPTIONAL PARTHIAN LETTER QOPH
10B53		INSCRIPTIONAL PARTHIAN LETTER RESH
10B54		INSCRIPTIONAL PARTHIAN LETTER SHIN
10B55		INSCRIPTIONAL PARTHIAN LETTER TAW

**Numbers**

10B58		INSCRIPTIONAL PARTHIAN NUMBER ONE
10B59		INSCRIPTIONAL PARTHIAN NUMBER TWO
10B5A		INSCRIPTIONAL PARTHIAN NUMBER THREE
10B5B		INSCRIPTIONAL PARTHIAN NUMBER FOUR
10B5C		INSCRIPTIONAL PARTHIAN NUMBER TEN
10B5D		INSCRIPTIONAL PARTHIAN NUMBER TWENTY
10B5E		INSCRIPTIONAL PARTHIAN NUMBER ONE HUNDRED
10B5F		INSCRIPTIONAL PARTHIAN NUMBER ONE THOUSAND

















































































	10B6	10B7
0	𐭀 10B60	𐭁 10B70
1	𐭂 10B61	𐭃 10B71
2	𐭄 10B62	𐭅 10B72
3	𐭆 10B63	
4	𐭇 10B64	
5	𐭈 10B65	
6	𐭉 10B66	
7	𐭊 10B67	
8	𐭋 10B68	𐭌 10B78
9	𐭍 10B69	𐭎 10B79
A	𐭏 10B6A	𐭐 10B7A
B	𐭑 10B6B	𐭒 10B7B
C	𐭓 10B6C	𐭔 10B7C
D	𐭕 10B6D	𐭖 10B7D
E	𐭗 10B6E	𐭘 10B7E
F	𐭙 10B6F	𐭚 10B7F

**Letters**

- 10B60 𐭀 INSCRIPTIONAL PAHLAVI LETTER ALEPH
- 10B61 𐭂 INSCRIPTIONAL PAHLAVI LETTER BETH
- 10B62 𐭄 INSCRIPTIONAL PAHLAVI LETTER GIMEL
- 10B63 𐭆 INSCRIPTIONAL PAHLAVI LETTER DALETH
- 10B64 𐭇 INSCRIPTIONAL PAHLAVI LETTER HE
- 10B65 𐭈 INSCRIPTIONAL PAHLAVI LETTER WAW-AYIN-RESH
- 10B66 𐭉 INSCRIPTIONAL PAHLAVI LETTER ZAYIN
- 10B67 𐭊 INSCRIPTIONAL PAHLAVI LETTER HETH
- 10B68 𐭋 INSCRIPTIONAL PAHLAVI LETTER TETH
- 10B69 𐭍 INSCRIPTIONAL PAHLAVI LETTER YODH
- 10B6A 𐭏 INSCRIPTIONAL PAHLAVI LETTER KAPH
- 10B6B 𐭑 INSCRIPTIONAL PAHLAVI LETTER LAMEDH
- 10B6C 𐭓 INSCRIPTIONAL PAHLAVI LETTER MEM-QOPH
- 10B6D 𐭕 INSCRIPTIONAL PAHLAVI LETTER NUN
- 10B6E 𐭗 INSCRIPTIONAL PAHLAVI LETTER SAMEKH
- 10B6F 𐭙 INSCRIPTIONAL PAHLAVI LETTER PE
- 10B70 𐭁 INSCRIPTIONAL PAHLAVI LETTER SADHE
- 10B71 𐭃 INSCRIPTIONAL PAHLAVI LETTER SHIN
- 10B72 𐭅 INSCRIPTIONAL PAHLAVI LETTER TAW

**Numbers**

- 10B78 𐭌 INSCRIPTIONAL PAHLAVI NUMBER ONE
- 10B79 𐭎 INSCRIPTIONAL PAHLAVI NUMBER TWO
- 10B7A 𐭐 INSCRIPTIONAL PAHLAVI NUMBER THREE
- 10B7B 𐭒 INSCRIPTIONAL PAHLAVI NUMBER FOUR
- 10B7C 𐭔 INSCRIPTIONAL PAHLAVI NUMBER TEN
- 10B7D 𐭖 INSCRIPTIONAL PAHLAVI NUMBER TWENTY
- 10B7E 𐭘 INSCRIPTIONAL PAHLAVI NUMBER ONE HUNDRED
- 10B7F 𐭚 INSCRIPTIONAL PAHLAVI NUMBER ONE THOUSAND

	10C0	10C1	10C2	10C3	10C4
0	 10C00	 10C10	 10C20	 10C30	 10C40
1	 10C01	 10C11	 10C21	 10C31	 10C41
2	 10C02	 10C12	 10C22	 10C32	 10C42
3	 10C03	 10C13	 10C23	 10C33	 10C43
4	 10C04	 10C14	 10C24	 10C34	 10C44
5	 10C05	 10C15	 10C25	 10C35	 10C45
6	 10C06	 10C16	 10C26	 10C36	 10C46
7	 10C07	 10C17	 10C27	 10C37	 10C47
8	 10C08	 10C18	 10C28	 10C38	 10C48
9	 10C09	 10C19	 10C29	 10C39	
A	 10C0A	 10C1A	 10C2A	 10C3A	
B	 10C0B	 10C1B	 10C2B	 10C3B	
C	 10C0C	 10C1C	 10C2C	 10C3C	
D	 10C0D	 10C1D	 10C2D	 10C3D	
E	 10C0E	 10C1E	 10C2E	 10C3E	
F	 10C0F	 10C1F	 10C2F	 10C3F	

































**Vowels**

10C00	𐰀	OLD TURKIC LETTER ORKHON A
10C01	𐰁	OLD TURKIC LETTER YENISEI A
10C02	𐰂	OLD TURKIC LETTER YENISEI AE
10C03	𐰃	OLD TURKIC LETTER ORKHON I
10C04	𐰄	OLD TURKIC LETTER YENISEI I
10C05	𐰅	OLD TURKIC LETTER YENISEI E
10C06	𐰆	OLD TURKIC LETTER ORKHON O
10C07	𐰇	OLD TURKIC LETTER ORKHON OE
10C08	𐰈	OLD TURKIC LETTER YENISEI OE










**Consonants**

10C09	𐰉	OLD TURKIC LETTER ORKHON AB
10C0A	𐰊	OLD TURKIC LETTER YENISEI AB
10C0B	𐰋	OLD TURKIC LETTER ORKHON AEB
10C0C	𐰌	OLD TURKIC LETTER YENISEI AEB
10C0D	𐰍	OLD TURKIC LETTER ORKHON AG
10C0E	𐰎	OLD TURKIC LETTER YENISEI AG
10C0F	𐰏	OLD TURKIC LETTER ORKHON AEG
10C10	𐰐	OLD TURKIC LETTER YENISEI AEG
10C11	𐰑	OLD TURKIC LETTER ORKHON AD
10C12	𐰒	OLD TURKIC LETTER YENISEI AD
10C13	𐰓	OLD TURKIC LETTER ORKHON AED
10C14	𐰔	OLD TURKIC LETTER ORKHON EZ
10C15	𐰕	OLD TURKIC LETTER YENISEI EZ
10C16	𐰖	OLD TURKIC LETTER ORKHON AY
10C17	𐰗	OLD TURKIC LETTER YENISEI AY
10C18	𐰘	OLD TURKIC LETTER ORKHON AEY
10C19	𐰙	OLD TURKIC LETTER YENISEI AEY
10C1A	𐰚	OLD TURKIC LETTER ORKHON AEK
10C1B	𐰛	OLD TURKIC LETTER YENISEI AEK
10C1C	𐰜	OLD TURKIC LETTER ORKHON OEK
10C1D	𐰝	OLD TURKIC LETTER YENISEI OEK
10C1E	𐰞	OLD TURKIC LETTER ORKHON AL
10C1F	𐰟	OLD TURKIC LETTER YENISEI AL
10C20	𐰠	OLD TURKIC LETTER ORKHON AEL
10C21	𐰡	OLD TURKIC LETTER ORKHON ELT
10C22	𐰢	OLD TURKIC LETTER ORKHON EM
10C23	𐰣	OLD TURKIC LETTER ORKHON AN
10C24	𐰤	OLD TURKIC LETTER ORKHON AEN
10C25	𐰥	OLD TURKIC LETTER YENISEI AEN
10C26	𐰦	OLD TURKIC LETTER ORKHON ENT
10C27	𐰧	OLD TURKIC LETTER YENISEI ENT
10C28	𐰨	OLD TURKIC LETTER ORKHON ENC
10C29	𐰩	OLD TURKIC LETTER YENISEI ENC
10C2A	𐰪	OLD TURKIC LETTER ORKHON ENY
10C2B	𐰫	OLD TURKIC LETTER YENISEI ENY
10C2C	𐰬	OLD TURKIC LETTER YENISEI ANG
10C2D	𐰭	OLD TURKIC LETTER ORKHON ENG
10C2E	𐰮	OLD TURKIC LETTER YENISEI AENG
10C2F	𐰯	OLD TURKIC LETTER ORKHON EP
10C30	𐰰	OLD TURKIC LETTER ORKHON OP
10C31	𐰱	OLD TURKIC LETTER ORKHON IC
10C32	𐰲	OLD TURKIC LETTER ORKHON EC
10C33	𐰳	OLD TURKIC LETTER YENISEI EC
10C34	𐰴	OLD TURKIC LETTER ORKHON AQ
10C35	𐰵	OLD TURKIC LETTER YENISEI AQ
10C36	𐰶	OLD TURKIC LETTER ORKHON IQ
10C37	𐰷	OLD TURKIC LETTER YENISEI IQ
10C38	𐰸	OLD TURKIC LETTER ORKHON OQ
10C39	𐰹	OLD TURKIC LETTER YENISEI OQ



















10C3A	𐰺	OLD TURKIC LETTER ORKHON AR
10C3B	𐰻	OLD TURKIC LETTER YENISEI AR
10C3C	𐰼	OLD TURKIC LETTER ORKHON AER
10C3D	𐰽	OLD TURKIC LETTER ORKHON AS
10C3E	𐰾	OLD TURKIC LETTER ORKHON AES
10C3F	𐰿	OLD TURKIC LETTER ORKHON ASH
10C40	𐱀	OLD TURKIC LETTER YENISEI ASH
10C41	𐱁	OLD TURKIC LETTER ORKHON ESH
10C42	𐱂	OLD TURKIC LETTER YENISEI ESH
10C43	𐱃	OLD TURKIC LETTER ORKHON AT
10C44	𐱄	OLD TURKIC LETTER YENISEI AT
10C45	𐱅	OLD TURKIC LETTER ORKHON AET
10C46	𐱆	OLD TURKIC LETTER YENISEI AET
10C47	𐱇	OLD TURKIC LETTER ORKHON OT
10C48	𐱈	OLD TURKIC LETTER ORKHON BASH

	10E6	10E7
0	 10E60	 10E70
1	 10E61	 10E71
2	 10E62	 10E72
3	 10E63	 10E73
4	 10E64	 10E74
5	 10E65	 10E75
6	 10E66	 10E76
7	 10E67	 10E77
8	 10E68	 10E78
9	 10E69	 10E79
A	 10E6A	 10E7A
B	 10E6B	 10E7B
C	 10E6C	 10E7C
D	 10E6D	 10E7D
E	 10E6E	 10E7E
F	 10E6F	





**Digits**

- 10E60  RUMI DIGIT ONE
- 10E61  RUMI DIGIT TWO
- 10E62  RUMI DIGIT THREE
- 10E63  RUMI DIGIT FOUR
- 10E64  RUMI DIGIT FIVE
- 10E65  RUMI DIGIT SIX
- 10E66  RUMI DIGIT SEVEN
- 10E67  RUMI DIGIT EIGHT
- 10E68  RUMI DIGIT NINE

**Numbers**




- 10E69  RUMI NUMBER TEN
- 10E6A  RUMI NUMBER TWENTY
- 10E6B  RUMI NUMBER THIRTY
- 10E6C  RUMI NUMBER FORTY
- 10E6D  RUMI NUMBER FIFTY
- 10E6E  RUMI NUMBER SIXTY
- 10E6F  RUMI NUMBER SEVENTY
- 10E70  RUMI NUMBER EIGHTY
- 10E71  RUMI NUMBER NINETY
- 10E72  RUMI NUMBER ONE HUNDRED
- 10E73  RUMI NUMBER TWO HUNDRED
- 10E74  RUMI NUMBER THREE HUNDRED
- 10E75  RUMI NUMBER FOUR HUNDRED
- 10E76  RUMI NUMBER FIVE HUNDRED
- 10E77  RUMI NUMBER SIX HUNDRED
- 10E78  RUMI NUMBER SEVEN HUNDRED
- 10E79  RUMI NUMBER EIGHT HUNDRED
- 10E7A  RUMI NUMBER NINE HUNDRED

**Fractions**











- 10E7B  RUMI FRACTION ONE HALF
- 10E7C  RUMI FRACTION ONE QUARTER
- 10E7D  RUMI FRACTION ONE THIRD
- 10E7E  RUMI FRACTION TWO THIRDS

	1108	1109	110A	110B	110C
0	◌̇ 11080	घ 11090	ए 110A0	। 110B0	। 110C0
1	◌̇ 11081	उ 11091	य 110A1	ि 110B1	॥ 110C1
2	◌̇ 11082	य 11092	व 110A2	ी 110B2	
3	अ 11083	इ 11093	प 110A3	े 110B3	
4	आ 11084	उ 11094	झ 110A4	े 110B4	
5	२ 11085	ॢ 11095	व 110A5	े 110B5	
6	इ 11086	ॡ 11096	व 110A6	ै 110B6	
7	उ 11087	ॢ 11097	ॡ 110A7	ी 110B7	
8	उ 11088	ॢ 11098	य 110A8	ी 110B8	
9	ॢ 11089	ॢ 11099	ॡ 110A9	े 110B9	
A	ॢ 1108A	ॢ 1109A	ॢ 110AA	े 110BA	
B	ओ 1108B	ॢ 1109B	व 110AB	० 110BB	
C	ओ 1108C	ॢ 1109C	श 110AC	१ 110BC	
D	ॢ 1108D	ॢ 1109D	ॢ 110AD	१ 110BD	
E	ॢ 1108E	ॢ 1109E	ॢ 110AE	ॢ 110BE	
F	ॢ 1108F	ॢ 1109F	ॢ 110AF	ॢ 110BF	










































**Various signs**

11080  KAITHI SIGN CANDRABINDU  
 11081  KAITHI SIGN ANUSVARA  
 11082  KAITHI SIGN VISARGA




**Independent vowels**







11083  KAITHI LETTER A  
 11084  KAITHI LETTER AA  
 11085  KAITHI LETTER I  
 11086  KAITHI LETTER II  
 11087  KAITHI LETTER U  
 11088  KAITHI LETTER UU  
 11089  KAITHI LETTER E  
 1108A  KAITHI LETTER AI  
 1108B  KAITHI LETTER O  
 1108C  KAITHI LETTER AU

**Consonants**










1108D  KAITHI LETTER KA  
 1108E  KAITHI LETTER KHA  
 1108F  KAITHI LETTER GA  
 11090  KAITHI LETTER GHA  
 11091  KAITHI LETTER NGA  
 11092  KAITHI LETTER CA  
 11093  KAITHI LETTER CHA  
 11094  KAITHI LETTER JA  
 11095  KAITHI LETTER JHA  
 11096  KAITHI LETTER NYA  
 11097  KAITHI LETTER TTA  
 11098  KAITHI LETTER TTHA  
 11099  KAITHI LETTER DDA  
 1109A  KAITHI LETTER DDDHA  
     ≡ 11099  110BA   
 1109B  KAITHI LETTER DDHA  
 1109C  KAITHI LETTER RHA  
     ≡ 1109B  110BA   
 1109D  KAITHI LETTER NNA  
 1109E  KAITHI LETTER TA  
 1109F  KAITHI LETTER THA  
 110A0  KAITHI LETTER DA  
 110A1  KAITHI LETTER DHA  
 110A2  KAITHI LETTER NA  
 110A3  KAITHI LETTER PA  
 110A4  KAITHI LETTER PHA  
 110A5  KAITHI LETTER BA  
 110A6  KAITHI LETTER BHA  
 110A7  KAITHI LETTER MA  
 110A8  KAITHI LETTER YA  
     • glyph may be rendered with or without the visible dot  
 110A9  KAITHI LETTER RA  
 110AA  KAITHI LETTER LA  
 110AB  KAITHI LETTER VA  
     ≡ 110A5  110BA   
 110AC  KAITHI LETTER SHA  
 110AD  KAITHI LETTER SSA  
 110AE  KAITHI LETTER SA  
 110AF  KAITHI LETTER HA

**Dependent vowel signs**

110B0  KAITHI VOWEL SIGN AA  
 110B1  KAITHI VOWEL SIGN I  
 110B2  KAITHI VOWEL SIGN II

110B3  KAITHI VOWEL SIGN U  
 110B4  KAITHI VOWEL SIGN UU  
 110B5  KAITHI VOWEL SIGN E  
 110B6  KAITHI VOWEL SIGN AI  
 110B7  KAITHI VOWEL SIGN O  
 110B8  KAITHI VOWEL SIGN AU

**Various signs**

110B9  KAITHI SIGN VIRAMA  
 110BA  KAITHI SIGN NUKTA  
 110BB  KAITHI ABBREVIATION SIGN  
 110BC  KAITHI ENUMERATION SIGN  
 110BD  KAITHI NUMBER SIGN  
 110BE  KAITHI SECTION MARK  
     • marks end of sentence  
     • paragraph delimiter  
 110BF  KAITHI DOUBLE SECTION MARK  
     • paragraph delimiter  
 110C0  KAITHI DANDA  
 110C1  KAITHI DOUBLE DANDA



	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	120A	120B	120C	120D	120E	120F
0	12000	12010	12020	12030	12040	12050	12060	12070	12080	12090	120A0	120B0	120C0	120D0	120E0	120F0
1	12001	12011	12021	12031	12041	12051	12061	12071	12081	12091	120A1	120B1	120C1	120D1	120E1	120F1
2	12002	12012	12022	12032	12042	12052	12062	12072	12082	12092	120A2	120B2	120C2	120D2	120E2	120F2
3	12003	12013	12023	12033	12043	12053	12063	12073	12083	12093	120A3	120B3	120C3	120D3	120E3	120F3
4	12004	12014	12024	12034	12044	12054	12064	12074	12084	12094	120A4	120B4	120C4	120D4	120E4	120F4
5	12005	12015	12025	12035	12045	12055	12065	12075	12085	12095	120A5	120B5	120C5	120D5	120E5	120F5
6	12006	12016	12026	12036	12046	12056	12066	12076	12086	12096	120A6	120B6	120C6	120D6	120E6	120F6
7	12007	12017	12027	12037	12047	12057	12067	12077	12087	12097	120A7	120B7	120C7	120D7	120E7	120F7
8	12008	12018	12028	12038	12048	12058	12068	12078	12088	12098	120A8	120B8	120C8	120D8	120E8	120F8
9	12009	12019	12029	12039	12049	12059	12069	12079	12089	12099	120A9	120B9	120C9	120D9	120E9	120F9
A	1200A	1201A	1202A	1203A	1204A	1205A	1206A	1207A	1208A	1209A	120AA	120BA	120CA	120DA	120EA	120FA
B	1200B	1201B	1202B	1203B	1204B	1205B	1206B	1207B	1208B	1209B	120AB	120BB	120CB	120DB	120EB	120FB
C	1200C	1201C	1202C	1203C	1204C	1205C	1206C	1207C	1208C	1209C	120AC	120BC	120CC	120DC	120EC	120FC
D	1200D	1201D	1202D	1203D	1204D	1205D	1206D	1207D	1208D	1209D	120AD	120BD	120CD	120DD	120ED	120FD
E	1200E	1201E	1202E	1203E	1204E	1205E	1206E	1207E	1208E	1209E	120AE	120BE	120CE	120DE	120EE	120FE
F	1200F	1201F	1202F	1203F	1204F	1205F	1206F	1207F	1208F	1209F	120AF	120BF	120CF	120DF	120EF	120FF

	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	121A	121B	121C	121D	121E	121F
0	12100	12110	12120	12130	12140	12150	12160	12170	12180	12190	121A0	121B0	121C0	121D0	121E0	121F0
1	12101	12111	12121	12131	12141	12151	12161	12171	12181	12191	121A1	121B1	121C1	121D1	121E1	121F1
2	12102	12112	12122	12132	12142	12152	12162	12172	12182	12192	121A2	121B2	121C2	121D2	121E2	121F2
3	12103	12113	12123	12133	12143	12153	12163	12173	12183	12193	121A3	121B3	121C3	121D3	121E3	121F3
4	12104	12114	12124	12134	12144	12154	12164	12174	12184	12194	121A4	121B4	121C4	121D4	121E4	121F4
5	12105	12115	12125	12135	12145	12155	12165	12175	12185	12195	121A5	121B5	121C5	121D5	121E5	121F5
6	12106	12116	12126	12136	12146	12156	12166	12176	12186	12196	121A6	121B6	121C6	121D6	121E6	121F6
7	12107	12117	12127	12137	12147	12157	12167	12177	12187	12197	121A7	121B7	121C7	121D7	121E7	121F7
8	12108	12118	12128	12138	12148	12158	12168	12178	12188	12198	121A8	121B8	121C8	121D8	121E8	121F8
9	12109	12119	12129	12139	12149	12159	12169	12179	12189	12199	121A9	121B9	121C9	121D9	121E9	121F9
A	1210A	1211A	1212A	1213A	1214A	1215A	1216A	1217A	1218A	1219A	121AA	121BA	121CA	121DA	121EA	121FA
B	1210B	1211B	1212B	1213B	1214B	1215B	1216B	1217B	1218B	1219B	121AB	121BB	121CB	121DB	121EB	121FB
C	1210C	1211C	1212C	1213C	1214C	1215C	1216C	1217C	1218C	1219C	121AC	121BC	121CC	121DC	121EC	121FC
D	1210D	1211D	1212D	1213D	1214D	1215D	1216D	1217D	1218D	1219D	121AD	121BD	121CD	121DD	121ED	121FD
E	1210E	1211E	1212E	1213E	1214E	1215E	1216E	1217E	1218E	1219E	121AE	121BE	121CE	121DE	121EE	121FE
F	1210F	1211F	1212F	1213F	1214F	1215F	1216F	1217F	1218F	1219F	121AF	121BF	121CF	121DF	121EF	121FF

1220 1221 1222 1223 1224 1225 1226 1227 1228 1229 122A 122B 122C 122D 122E 122F

0																
1																
2																
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9																
A																
B																
C																
D																
E																
F																

	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	123A	123B	123C	123D	123E	123F
0	12300	12310	12320	12330	12340	12350	12360									
1	12301	12311	12321	12331	12341	12351	12361									
2	12302	12312	12322	12332	12342	12352	12362									
3	12303	12313	12323	12333	12343	12353	12363									
4	12304	12314	12324	12334	12344	12354	12364									
5	12305	12315	12325	12335	12345	12355	12365									
6	12306	12316	12326	12336	12346	12356	12366									
7	12307	12317	12327	12337	12347	12357	12367									
8	12308	12318	12328	12338	12348	12358	12368									
9	12309	12319	12329	12339	12349	12359	12369									
A	1230A	1231A	1232A	1233A	1234A	1235A	1236A									
B	1230B	1231B	1232B	1233B	1234B	1235B	1236B									
C	1230C	1231C	1232C	1233C	1234C	1235C	1236C									
D	1230D	1231D	1232D	1233D	1234D	1235D	1236D									
E	1230E	1231E	1232E	1233E	1234E	1235E	1236E									
F	1230F	1231F	1232F	1233F	1234F	1235F										

## Signs

12000		CUNEIFORM SIGN A	1203B		CUNEIFORM SIGN ASH OVER ASH TUG2 OVER TUG2 TUG2 OVER TUG2 PAPER
12001		CUNEIFORM SIGN A TIMES A	1203C		CUNEIFORM SIGN ASH OVER ASH OVER ASH
12002		CUNEIFORM SIGN A TIMES BAD	1203D		CUNEIFORM SIGN ASH OVER ASH OVER ASH CROSSING ASH OVER ASH OVER ASH
12003		CUNEIFORM SIGN A TIMES GAN2 TENU	1203E		CUNEIFORM SIGN ASH2
12004		CUNEIFORM SIGN A TIMES HA	1203F		CUNEIFORM SIGN ASHGAB
12005		CUNEIFORM SIGN A TIMES IGI	12040		CUNEIFORM SIGN BA
12006		CUNEIFORM SIGN A TIMES LAGAR GUNU	12041		CUNEIFORM SIGN BAD
12007		CUNEIFORM SIGN A TIMES MUSH	12042		CUNEIFORM SIGN BAG3
12008		CUNEIFORM SIGN A TIMES SAG	12043		CUNEIFORM SIGN BAHAR2
12009		CUNEIFORM SIGN A2	12044		CUNEIFORM SIGN BAL
1200A		CUNEIFORM SIGN AB	12045		CUNEIFORM SIGN BAL OVER BAL
1200B		CUNEIFORM SIGN AB TIMES ASH2	12046		CUNEIFORM SIGN BALAG
1200C		CUNEIFORM SIGN AB TIMES DUN3 GUNU	12047		CUNEIFORM SIGN BAR
1200D		CUNEIFORM SIGN AB TIMES GAL	12048		CUNEIFORM SIGN BARA2
1200E		CUNEIFORM SIGN AB TIMES GAN2 TENU	12049		CUNEIFORM SIGN BI
1200F		CUNEIFORM SIGN AB TIMES HA	1204A		CUNEIFORM SIGN BI TIMES A
12010		CUNEIFORM SIGN AB TIMES IGI GUNU	1204B		CUNEIFORM SIGN BI TIMES GAR
12011		CUNEIFORM SIGN AB TIMES IMIN	1204C		CUNEIFORM SIGN BI TIMES IGI GUNU
12012		CUNEIFORM SIGN AB TIMES LAGAB	1204D		CUNEIFORM SIGN BU
12013		CUNEIFORM SIGN AB TIMES SHESH	1204E		CUNEIFORM SIGN BU OVER BU AB
12014		CUNEIFORM SIGN AB TIMES U PLUS U PLUS U	1204F		CUNEIFORM SIGN BU OVER BU UN
12015		CUNEIFORM SIGN AB GUNU	12050		CUNEIFORM SIGN BU CROSSING BU
12016		CUNEIFORM SIGN AB2	12051		CUNEIFORM SIGN BULUG
12017		CUNEIFORM SIGN AB2 TIMES BALAG	12052		CUNEIFORM SIGN BULUG OVER BULUG
12018		CUNEIFORM SIGN AB2 TIMES GAN2 TENU	12053		CUNEIFORM SIGN BUR
12019		CUNEIFORM SIGN AB2 TIMES ME PLUS EN	12054		CUNEIFORM SIGN BUR2
1201A		CUNEIFORM SIGN AB2 TIMES SHA3	12055		CUNEIFORM SIGN DA
1201B		CUNEIFORM SIGN AB2 TIMES TAK4	12056		CUNEIFORM SIGN DAG
1201C		CUNEIFORM SIGN AD	12057		CUNEIFORM SIGN DAG KISIM5 TIMES A PLUS MASH
1201D		CUNEIFORM SIGN AK	12058		CUNEIFORM SIGN DAG KISIM5 TIMES AMAR
1201E		CUNEIFORM SIGN AK TIMES ERIN2	12059		CUNEIFORM SIGN DAG KISIM5 TIMES BALAG
1201F		CUNEIFORM SIGN AK TIMES SHITA PLUS GISH	1205A		CUNEIFORM SIGN DAG KISIM5 TIMES BI
12020		CUNEIFORM SIGN AL	1205B		CUNEIFORM SIGN DAG KISIM5 TIMES GA
12021		CUNEIFORM SIGN AL TIMES AL	1205C		CUNEIFORM SIGN DAG KISIM5 TIMES GA PLUS MASH
12022		CUNEIFORM SIGN AL TIMES DIM2	1205D		CUNEIFORM SIGN DAG KISIM5 TIMES GI
12023		CUNEIFORM SIGN AL TIMES GISH	1205E		CUNEIFORM SIGN DAG KISIM5 TIMES GIR2
12024		CUNEIFORM SIGN AL TIMES HA	1205F		CUNEIFORM SIGN DAG KISIM5 TIMES GUD
12025		CUNEIFORM SIGN AL TIMES KAD3	12060		CUNEIFORM SIGN DAG KISIM5 TIMES HA
12026		CUNEIFORM SIGN AL TIMES KI	12061		CUNEIFORM SIGN DAG KISIM5 TIMES IR
12027		CUNEIFORM SIGN AL TIMES SHE	12062		CUNEIFORM SIGN DAG KISIM5 TIMES IR PLUS LU
12028		CUNEIFORM SIGN AL TIMES USH	12063		CUNEIFORM SIGN DAG KISIM5 TIMES KAK
12029		CUNEIFORM SIGN ALAN	12064		CUNEIFORM SIGN DAG KISIM5 TIMES LA
1202A		CUNEIFORM SIGN ALEPH	12065		CUNEIFORM SIGN DAG KISIM5 TIMES LU
1202B		CUNEIFORM SIGN AMAR	12066		CUNEIFORM SIGN DAG KISIM5 TIMES LU PLUS MASH2
1202C		CUNEIFORM SIGN AMAR TIMES SHE	12067		CUNEIFORM SIGN DAG KISIM5 TIMES LUM
1202D		CUNEIFORM SIGN AN	12068		CUNEIFORM SIGN DAG KISIM5 TIMES NE
1202E		CUNEIFORM SIGN AN OVER AN	12069		CUNEIFORM SIGN DAG KISIM5 TIMES PAP PLUS PAP
1202F		CUNEIFORM SIGN AN THREE TIMES	1206A		CUNEIFORM SIGN DAG KISIM5 TIMES SI
12030		CUNEIFORM SIGN AN PLUS NAGA OPPOSING AN PLUS NAGA	1206B		CUNEIFORM SIGN DAG KISIM5 TIMES TAK4
12031		CUNEIFORM SIGN AN PLUS NAGA SQUARED	1206C		CUNEIFORM SIGN DAG KISIM5 TIMES U2 PLUS GIR2
12032		CUNEIFORM SIGN ANSHE	1206D		CUNEIFORM SIGN DAG KISIM5 TIMES USH
12033		CUNEIFORM SIGN APIN	1206E		CUNEIFORM SIGN DAM
12034		CUNEIFORM SIGN ARAD	1206F		CUNEIFORM SIGN DAR
12035		CUNEIFORM SIGN ARAD TIMES KUR	12070		CUNEIFORM SIGN DARA3
12036		CUNEIFORM SIGN ARKAB			
12037		CUNEIFORM SIGN ASAL2			
12038		CUNEIFORM SIGN ASH			
12039		CUNEIFORM SIGN ASH ZIDA TENU			
1203A		CUNEIFORM SIGN ASH KABA TENU			

12071		CUNEIFORM SIGN DARA4	120AB		CUNEIFORM SIGN EZEN TIMES IGI GUNU
12072		CUNEIFORM SIGN DI	120AC		CUNEIFORM SIGN EZEN TIMES KASKAL
12073		CUNEIFORM SIGN DIB	120AD		CUNEIFORM SIGN EZEN TIMES KASKAL SQUARED
12074		CUNEIFORM SIGN DIM	120AE		CUNEIFORM SIGN EZEN TIMES KU3
12075		CUNEIFORM SIGN DIM TIMES SHE	120AF		CUNEIFORM SIGN EZEN TIMES LA
12076		CUNEIFORM SIGN DIM2	120B0		CUNEIFORM SIGN EZEN TIMES LAL TIMES LAL
12077		CUNEIFORM SIGN DIN	120B1		CUNEIFORM SIGN EZEN TIMES LI
12078		CUNEIFORM SIGN DIN KASKAL U GUNU DISH	120B2		CUNEIFORM SIGN EZEN TIMES LU
12079		CUNEIFORM SIGN DISH	120B3		CUNEIFORM SIGN EZEN TIMES U2
1207A		CUNEIFORM SIGN DU	120B4		CUNEIFORM SIGN EZEN TIMES UD
1207B		CUNEIFORM SIGN DU OVER DU	120B5		CUNEIFORM SIGN GA
1207C		CUNEIFORM SIGN DU GUNU	120B6		CUNEIFORM SIGN GA GUNU
1207D		CUNEIFORM SIGN DU SHESHIG	120B7		CUNEIFORM SIGN GA2
1207E		CUNEIFORM SIGN DUB	120B8		CUNEIFORM SIGN GA2 TIMES A PLUS DA PLUS HA
1207F		CUNEIFORM SIGN DUB TIMES ESH2	120B9		CUNEIFORM SIGN GA2 TIMES A PLUS HA
12080		CUNEIFORM SIGN DUB2	120BA		CUNEIFORM SIGN GA2 TIMES A PLUS IGI
12081		CUNEIFORM SIGN DUG	120BB		CUNEIFORM SIGN GA2 TIMES AB2 TENU PLUS TAB
12082		CUNEIFORM SIGN DUGUD	120BC		CUNEIFORM SIGN GA2 TIMES AN
12083		CUNEIFORM SIGN DUH	120BD		CUNEIFORM SIGN GA2 TIMES ASH
12084		CUNEIFORM SIGN DUN	120BE		CUNEIFORM SIGN GA2 TIMES ASH2 PLUS GAL
12085		CUNEIFORM SIGN DUN3	120BF		CUNEIFORM SIGN GA2 TIMES BAD
12086		CUNEIFORM SIGN DUN3 GUNU	120C0		CUNEIFORM SIGN GA2 TIMES BAR PLUS RA
12087		CUNEIFORM SIGN DUN3 GUNU GUNU	120C1		CUNEIFORM SIGN GA2 TIMES BUR
12088		CUNEIFORM SIGN DUN4	120C2		CUNEIFORM SIGN GA2 TIMES BUR PLUS RA
12089		CUNEIFORM SIGN DUR2	120C3		CUNEIFORM SIGN GA2 TIMES DA
1208A		CUNEIFORM SIGN E	120C4		CUNEIFORM SIGN GA2 TIMES DI
1208B		CUNEIFORM SIGN E TIMES PAP	120C5		CUNEIFORM SIGN GA2 TIMES DIM TIMES SHE
1208C		CUNEIFORM SIGN E OVER E NUN OVER NUN	120C6		CUNEIFORM SIGN GA2 TIMES DUB
1208D		CUNEIFORM SIGN E2	120C7		CUNEIFORM SIGN GA2 TIMES EL
1208E		CUNEIFORM SIGN E2 TIMES A PLUS HA PLUS DA	120C8		CUNEIFORM SIGN GA2 TIMES EL PLUS LA
1208F		CUNEIFORM SIGN E2 TIMES GAR	120C9		CUNEIFORM SIGN GA2 TIMES EN
12090		CUNEIFORM SIGN E2 TIMES MI	120CA		CUNEIFORM SIGN GA2 TIMES EN TIMES GAN2 TENU
12091		CUNEIFORM SIGN E2 TIMES SAL	120CB		CUNEIFORM SIGN GA2 TIMES GAN2 TENU
12092		CUNEIFORM SIGN E2 TIMES SHE	120CC		CUNEIFORM SIGN GA2 TIMES GAR
12093		CUNEIFORM SIGN E2 TIMES U	120CD		CUNEIFORM SIGN GA2 TIMES GI
12094		CUNEIFORM SIGN EDIN	120CE		CUNEIFORM SIGN GA2 TIMES GI4
12095		CUNEIFORM SIGN EGIR	120CF		CUNEIFORM SIGN GA2 TIMES GI4 PLUS A
12096		CUNEIFORM SIGN EL	120D0		CUNEIFORM SIGN GA2 TIMES GIR2 PLUS SU
12097		CUNEIFORM SIGN EN	120D1		CUNEIFORM SIGN GA2 TIMES HA PLUS LU PLUS ESH2
12098		CUNEIFORM SIGN EN TIMES GAN2	120D2		CUNEIFORM SIGN GA2 TIMES HAL
12099		CUNEIFORM SIGN EN TIMES GAN2 TENU	120D3		CUNEIFORM SIGN GA2 TIMES HAL PLUS LA
1209A		CUNEIFORM SIGN EN TIMES ME	120D4		CUNEIFORM SIGN GA2 TIMES HI PLUS LI
1209B		CUNEIFORM SIGN EN CROSSING EN	120D5		CUNEIFORM SIGN GA2 TIMES HUB2
1209C		CUNEIFORM SIGN EN OPPOSING EN	120D6		CUNEIFORM SIGN GA2 TIMES IGI GUNU
1209D		CUNEIFORM SIGN EN SQUARED	120D7		CUNEIFORM SIGN GA2 TIMES ISH PLUS HU PLUS ASH
1209E		CUNEIFORM SIGN EREN	120D8		CUNEIFORM SIGN GA2 TIMES KAK
1209F		CUNEIFORM SIGN ERIN2	120D9		CUNEIFORM SIGN GA2 TIMES KASKAL
120A0		CUNEIFORM SIGN ESH2	120DA		CUNEIFORM SIGN GA2 TIMES KID
120A1		CUNEIFORM SIGN EZEN	120DB		CUNEIFORM SIGN GA2 TIMES KID PLUS LAL
120A2		CUNEIFORM SIGN EZEN TIMES A	120DC		CUNEIFORM SIGN GA2 TIMES KU3 PLUS AN
120A3		CUNEIFORM SIGN EZEN TIMES A PLUS LAL	120DD		CUNEIFORM SIGN GA2 TIMES LA
120A4		CUNEIFORM SIGN EZEN TIMES A PLUS LAL TIMES LAL	120DE		CUNEIFORM SIGN GA2 TIMES ME PLUS EN
120A5		CUNEIFORM SIGN EZEN TIMES AN	120DF		CUNEIFORM SIGN GA2 TIMES MI
120A6		CUNEIFORM SIGN EZEN TIMES BAD	120E0		CUNEIFORM SIGN GA2 TIMES NUN
120A7		CUNEIFORM SIGN EZEN TIMES DUN3 GUNU	120E1		CUNEIFORM SIGN GA2 TIMES NUN OVER NUN
120A8		CUNEIFORM SIGN EZEN TIMES DUN3 GUNU GUNU	120E2		CUNEIFORM SIGN GA2 TIMES PA
120A9		CUNEIFORM SIGN EZEN TIMES HA			
120AA		CUNEIFORM SIGN EZEN TIMES HA GUNU			

120E3		CUNEIFORM SIGN GA2 TIMES SAL	1211D		CUNEIFORM SIGN GU2 GUNU
120E4		CUNEIFORM SIGN GA2 TIMES SAR	1211E		CUNEIFORM SIGN GUD
120E5		CUNEIFORM SIGN GA2 TIMES SHE	1211F		CUNEIFORM SIGN GUD TIMES A PLUS KUR
120E6		CUNEIFORM SIGN GA2 TIMES SHE PLUS TUR	12120		CUNEIFORM SIGN GUD TIMES KUR
120E7		CUNEIFORM SIGN GA2 TIMES SHID	12121		CUNEIFORM SIGN GUD OVER GUD LUGAL
120E8		CUNEIFORM SIGN GA2 TIMES SUM	12122		CUNEIFORM SIGN GUL
120E9		CUNEIFORM SIGN GA2 TIMES TAK4	12123		CUNEIFORM SIGN GUM
120EA		CUNEIFORM SIGN GA2 TIMES U	12124		CUNEIFORM SIGN GUM TIMES SHE
120EB		CUNEIFORM SIGN GA2 TIMES UD	12125		CUNEIFORM SIGN GUR
120EC		CUNEIFORM SIGN GA2 TIMES UD PLUS DU	12126		CUNEIFORM SIGN GUR7
120ED		CUNEIFORM SIGN GA2 OVER GA2	12127		CUNEIFORM SIGN GURUN
120EE		CUNEIFORM SIGN GABA	12128		CUNEIFORM SIGN GURUSH
120EF		CUNEIFORM SIGN GABA CROSSING GABA	12129		CUNEIFORM SIGN HA
120F0		CUNEIFORM SIGN GAD	1212A		CUNEIFORM SIGN HA TENU
120F1		CUNEIFORM SIGN GAD OVER GAD GAR OVER GAR	1212B		CUNEIFORM SIGN HA GUNU
120F2		CUNEIFORM SIGN GAL	1212C		CUNEIFORM SIGN HAL
120F3		CUNEIFORM SIGN GAL GAD OVER GAD GAR OVER GAR	1212D		CUNEIFORM SIGN HI
120F4		CUNEIFORM SIGN GALAM	1212E		CUNEIFORM SIGN HI TIMES ASH
120F5		CUNEIFORM SIGN GAM	1212F		CUNEIFORM SIGN HI TIMES ASH2
120F6		CUNEIFORM SIGN GAN	12130		CUNEIFORM SIGN HI TIMES BAD
120F7		CUNEIFORM SIGN GAN2	12131		CUNEIFORM SIGN HI TIMES DISH
120F8		CUNEIFORM SIGN GAN2 TENU	12132		CUNEIFORM SIGN HI TIMES GAD
120F9		CUNEIFORM SIGN GAN2 OVER GAN2	12133		CUNEIFORM SIGN HI TIMES KIN
120FA		CUNEIFORM SIGN GAN2 CROSSING GAN2	12134		CUNEIFORM SIGN HI TIMES NUN
120FB		CUNEIFORM SIGN GAR	12135		CUNEIFORM SIGN HI TIMES SHE
120FC		CUNEIFORM SIGN GAR3	12136		CUNEIFORM SIGN HI TIMES U
120FD		CUNEIFORM SIGN GASHAN	12137		CUNEIFORM SIGN HU
120FE		CUNEIFORM SIGN GESHTIN	12138		CUNEIFORM SIGN HUB2
120FF		CUNEIFORM SIGN GESHTIN TIMES KUR	12139		CUNEIFORM SIGN HUB2 TIMES AN
12100		CUNEIFORM SIGN GI	1213A		CUNEIFORM SIGN HUB2 TIMES HAL
12101		CUNEIFORM SIGN GI TIMES E	1213B		CUNEIFORM SIGN HUB2 TIMES KASKAL
12102		CUNEIFORM SIGN GI TIMES U	1213C		CUNEIFORM SIGN HUB2 TIMES LISH
12103		CUNEIFORM SIGN GI CROSSING GI	1213D		CUNEIFORM SIGN HUB2 TIMES UD
12104		CUNEIFORM SIGN GI4	1213E		CUNEIFORM SIGN HUL2
12105		CUNEIFORM SIGN GI4 OVER GI4	1213F		CUNEIFORM SIGN I
12106		CUNEIFORM SIGN GI4 CROSSING GI4	12140		CUNEIFORM SIGN I A
12107		CUNEIFORM SIGN GIDIM	12141		CUNEIFORM SIGN IB
12108		CUNEIFORM SIGN GIR2	12142		CUNEIFORM SIGN IDIM
12109		CUNEIFORM SIGN GIR2 GUNU	12143		CUNEIFORM SIGN IDIM OVER IDIM BUR
1210A		CUNEIFORM SIGN GIR3	12144		CUNEIFORM SIGN IDIM OVER IDIM SQUARED
1210B		CUNEIFORM SIGN GIR3 TIMES A PLUS IGI	12145		CUNEIFORM SIGN IG
1210C		CUNEIFORM SIGN GIR3 TIMES GAN2 TENU	12146		CUNEIFORM SIGN IGI
1210D		CUNEIFORM SIGN GIR3 TIMES IGI	12147		CUNEIFORM SIGN IGI DIB
1210E		CUNEIFORM SIGN GIR3 TIMES LU PLUS IGI	12148		CUNEIFORM SIGN IGI RI
1210F		CUNEIFORM SIGN GIR3 TIMES PA	12149		CUNEIFORM SIGN IGI OVER IGI SHIR OVER SHIR UD OVER UD
12110		CUNEIFORM SIGN GISAL	1214A		CUNEIFORM SIGN IGI GUNU
12111		CUNEIFORM SIGN GISH	1214B		CUNEIFORM SIGN IL
12112		CUNEIFORM SIGN GISH CROSSING GISH	1214C		CUNEIFORM SIGN IL TIMES GAN2 TENU
12113		CUNEIFORM SIGN GISH TIMES BAD	1214D		CUNEIFORM SIGN IL2
12114		CUNEIFORM SIGN GISH TIMES TAK4	1214E		CUNEIFORM SIGN IM
12115		CUNEIFORM SIGN GISH TENU	1214F		CUNEIFORM SIGN IM TIMES TAK4
12116		CUNEIFORM SIGN GU	12150		CUNEIFORM SIGN IM CROSSING IM
12117		CUNEIFORM SIGN GU CROSSING GU	12151		CUNEIFORM SIGN IM OPPOSING IM
12118		CUNEIFORM SIGN GU2	12152		CUNEIFORM SIGN IM SQUARED
12119		CUNEIFORM SIGN GU2 TIMES KAK	12153		CUNEIFORM SIGN IMIN
1211A		CUNEIFORM SIGN GU2 TIMES KAK TIMES IGI GUNU	12154		CUNEIFORM SIGN IN
1211B		CUNEIFORM SIGN GU2 TIMES NUN	12155		CUNEIFORM SIGN IR
1211C		CUNEIFORM SIGN GU2 TIMES SAL PLUS TUG2	12156		CUNEIFORM SIGN ISH
			12157		CUNEIFORM SIGN KA
			12158		CUNEIFORM SIGN KA TIMES A

12159		CUNEIFORM SIGN KA TIMES AD	12194		CUNEIFORM SIGN KAD5 OVER KAD5
1215A		CUNEIFORM SIGN KA TIMES AD PLUS KU3	12195		CUNEIFORM SIGN KAK
1215B		CUNEIFORM SIGN KA TIMES ASH2	12196		CUNEIFORM SIGN KAK TIMES IGI GUNU
1215C		CUNEIFORM SIGN KA TIMES BAD	12197		CUNEIFORM SIGN KAL
1215D		CUNEIFORM SIGN KA TIMES BALAG	12198		CUNEIFORM SIGN KAL TIMES BAD
1215E		CUNEIFORM SIGN KA TIMES BAR	12199		CUNEIFORM SIGN KAL CROSSING KAL
1215F		CUNEIFORM SIGN KA TIMES BI	1219A		CUNEIFORM SIGN KAM2
12160		CUNEIFORM SIGN KA TIMES ERIN2	1219B		CUNEIFORM SIGN KAM4
12161		CUNEIFORM SIGN KA TIMES ESH2	1219C		CUNEIFORM SIGN KASKAL
12162		CUNEIFORM SIGN KA TIMES GA	1219D		CUNEIFORM SIGN KASKAL LAGAB TIMES U OVER LAGAB TIMES U
12163		CUNEIFORM SIGN KA TIMES GAL	1219E		CUNEIFORM SIGN KASKAL OVER KASKAL LAGAB TIMES U OVER LAGAB TIMES U
12164		CUNEIFORM SIGN KA TIMES GAN2 TENU	1219F		CUNEIFORM SIGN KESH2
12165		CUNEIFORM SIGN KA TIMES GAR	121A0		CUNEIFORM SIGN KI
12166		CUNEIFORM SIGN KA TIMES GAR PLUS SHA3 PLUS A	121A1		CUNEIFORM SIGN KI TIMES BAD
12167		CUNEIFORM SIGN KA TIMES GI	121A2		CUNEIFORM SIGN KI TIMES U
12168		CUNEIFORM SIGN KA TIMES GIR2	121A3		CUNEIFORM SIGN KI TIMES UD
12169		CUNEIFORM SIGN KA TIMES GISH PLUS SAR	121A4		CUNEIFORM SIGN KID
1216A		CUNEIFORM SIGN KA TIMES GISH CROSSING GISH	121A5		CUNEIFORM SIGN KIN
1216B		CUNEIFORM SIGN KA TIMES GU	121A6		CUNEIFORM SIGN KISAL
1216C		CUNEIFORM SIGN KA TIMES GUR7	121A7		CUNEIFORM SIGN KISH
1216D		CUNEIFORM SIGN KA TIMES IGI	121A8		CUNEIFORM SIGN KISIM5
1216E		CUNEIFORM SIGN KA TIMES IM	121A9		CUNEIFORM SIGN KISIM5 OVER KISIM5
1216F		CUNEIFORM SIGN KA TIMES KAK	121AA		CUNEIFORM SIGN KU
12170		CUNEIFORM SIGN KA TIMES KI	121AB		CUNEIFORM SIGN KU OVER HI TIMES ASH2 KU OVER HI TIMES ASH2
12171		CUNEIFORM SIGN KA TIMES KID	121AC		CUNEIFORM SIGN KU3
12172		CUNEIFORM SIGN KA TIMES LI	121AD		CUNEIFORM SIGN KU4
12173		CUNEIFORM SIGN KA TIMES LU	121AE		CUNEIFORM SIGN KU4 VARIANT FORM
12174		CUNEIFORM SIGN KA TIMES ME	121AF		CUNEIFORM SIGN KU7
12175		CUNEIFORM SIGN KA TIMES ME PLUS DU	121B0		CUNEIFORM SIGN KUL
12176		CUNEIFORM SIGN KA TIMES ME PLUS GI	121B1		CUNEIFORM SIGN KUL GUNU
12177		CUNEIFORM SIGN KA TIMES ME PLUS TE	121B2		CUNEIFORM SIGN KUN
12178		CUNEIFORM SIGN KA TIMES MI	121B3		CUNEIFORM SIGN KUR
12179		CUNEIFORM SIGN KA TIMES MI PLUS NUNUZ	121B4		CUNEIFORM SIGN KUR OPPOSING KUR
1217A		CUNEIFORM SIGN KA TIMES NE	121B5		CUNEIFORM SIGN KUSHU2
1217B		CUNEIFORM SIGN KA TIMES NUN	121B6		CUNEIFORM SIGN KWU318
1217C		CUNEIFORM SIGN KA TIMES PI	121B7		CUNEIFORM SIGN LA
1217D		CUNEIFORM SIGN KA TIMES RU	121B8		CUNEIFORM SIGN LAGAB
1217E		CUNEIFORM SIGN KA TIMES SA	121B9		CUNEIFORM SIGN LAGAB TIMES A
1217F		CUNEIFORM SIGN KA TIMES SAR	121BA		CUNEIFORM SIGN LAGAB TIMES A PLUS DA PLUS HA
12180		CUNEIFORM SIGN KA TIMES SHA	121BB		CUNEIFORM SIGN LAGAB TIMES A PLUS GAR
12181		CUNEIFORM SIGN KA TIMES SHE	121BC		CUNEIFORM SIGN LAGAB TIMES A PLUS LAL
12182		CUNEIFORM SIGN KA TIMES SHID	121BD		CUNEIFORM SIGN LAGAB TIMES AL
12183		CUNEIFORM SIGN KA TIMES SHU	121BE		CUNEIFORM SIGN LAGAB TIMES AN
12184		CUNEIFORM SIGN KA TIMES SIG	121BF		CUNEIFORM SIGN LAGAB TIMES ASH ZIDA TENU
12185		CUNEIFORM SIGN KA TIMES SUHUR	121C0		CUNEIFORM SIGN LAGAB TIMES BAD
12186		CUNEIFORM SIGN KA TIMES TAR	121C1		CUNEIFORM SIGN LAGAB TIMES BI
12187		CUNEIFORM SIGN KA TIMES U	121C2		CUNEIFORM SIGN LAGAB TIMES DAR
12188		CUNEIFORM SIGN KA TIMES U2	121C3		CUNEIFORM SIGN LAGAB TIMES EN
12189		CUNEIFORM SIGN KA TIMES UD	121C4		CUNEIFORM SIGN LAGAB TIMES GA
1218A		CUNEIFORM SIGN KA TIMES UMUM TIMES PA	121C5		CUNEIFORM SIGN LAGAB TIMES GAR
1218B		CUNEIFORM SIGN KA TIMES USH	121C6		CUNEIFORM SIGN LAGAB TIMES GUD
1218C		CUNEIFORM SIGN KA TIMES ZI	121C7		CUNEIFORM SIGN LAGAB TIMES GUD PLUS GUD
1218D		CUNEIFORM SIGN KA2	121C8		CUNEIFORM SIGN LAGAB TIMES HA
1218E		CUNEIFORM SIGN KA2 CROSSING KA2	121C9		CUNEIFORM SIGN LAGAB TIMES HAL
1218F		CUNEIFORM SIGN KAB	121CA		CUNEIFORM SIGN LAGAB TIMES HI TIMES NUN
12190		CUNEIFORM SIGN KAD2	121CB		CUNEIFORM SIGN LAGAB TIMES IGI GUNU
12191		CUNEIFORM SIGN KAD3			
12192		CUNEIFORM SIGN KAD4			
12193		CUNEIFORM SIGN KAD5			



121CC		CUNEIFORM SIGN LAGAB TIMES IM	12203		CUNEIFORM SIGN LU2 TIMES HI TIMES BAD
121CD		CUNEIFORM SIGN LAGAB TIMES IM PLUS HA	12204		CUNEIFORM SIGN LU2 TIMES IM
121CE		CUNEIFORM SIGN LAGAB TIMES IM PLUS LU	12205		CUNEIFORM SIGN LU2 TIMES KAD2
121CF		CUNEIFORM SIGN LAGAB TIMES KI	12206		CUNEIFORM SIGN LU2 TIMES KAD3
121D0		CUNEIFORM SIGN LAGAB TIMES KIN	12207		CUNEIFORM SIGN LU2 TIMES KAD3 PLUS ASH
121D1		CUNEIFORM SIGN LAGAB TIMES KU3	12208		CUNEIFORM SIGN LU2 TIMES KI
121D2		CUNEIFORM SIGN LAGAB TIMES KUL	12209		CUNEIFORM SIGN LU2 TIMES LA PLUS ASH
121D3		CUNEIFORM SIGN LAGAB TIMES KUL PLUS HI PLUS A	1220A		CUNEIFORM SIGN LU2 TIMES LAGAB
121D4		CUNEIFORM SIGN LAGAB TIMES LAGAB	1220B		CUNEIFORM SIGN LU2 TIMES ME PLUS EN
121D5		CUNEIFORM SIGN LAGAB TIMES LISH	1220C		CUNEIFORM SIGN LU2 TIMES NE
121D6		CUNEIFORM SIGN LAGAB TIMES LU	1220D		CUNEIFORM SIGN LU2 TIMES NU
121D7		CUNEIFORM SIGN LAGAB TIMES LUL	1220E		CUNEIFORM SIGN LU2 TIMES SI PLUS ASH
121D8		CUNEIFORM SIGN LAGAB TIMES ME	1220F		CUNEIFORM SIGN LU2 TIMES SIK2 PLUS BU
121D9		CUNEIFORM SIGN LAGAB TIMES ME PLUS EN	12210		CUNEIFORM SIGN LU2 TIMES TUG2
121DA		CUNEIFORM SIGN LAGAB TIMES MUSH	12211		CUNEIFORM SIGN LU2 TENU
121DB		CUNEIFORM SIGN LAGAB TIMES NE	12212		CUNEIFORM SIGN LU2 CROSSING LU2
121DC		CUNEIFORM SIGN LAGAB TIMES SHE PLUS SUM	12213		CUNEIFORM SIGN LU2 OPPOSING LU2
121DD		CUNEIFORM SIGN LAGAB TIMES SHITA PLUS GISH PLUS ERIN2	12214		CUNEIFORM SIGN LU2 SQUARED
121DE		CUNEIFORM SIGN LAGAB TIMES SHITA PLUS GISH TENU	12215		CUNEIFORM SIGN LU2 SHESHIG
121DF		CUNEIFORM SIGN LAGAB TIMES SHU2	12216		CUNEIFORM SIGN LU3
121E0		CUNEIFORM SIGN LAGAB TIMES SHU2 PLUS SHU2	12217		CUNEIFORM SIGN LUGAL
121E1		CUNEIFORM SIGN LAGAB TIMES SUM	12218		CUNEIFORM SIGN LUGAL OVER LUGAL
121E2		CUNEIFORM SIGN LAGAB TIMES TAG	12219		CUNEIFORM SIGN LUGAL OPPOSING LUGAL
121E3		CUNEIFORM SIGN LAGAB TIMES TAK4	1221A		CUNEIFORM SIGN LUGAL SHESHIG
121E4		CUNEIFORM SIGN LAGAB TIMES TE PLUS A PLUS SU PLUS NA	1221B		CUNEIFORM SIGN LUH
121E5		CUNEIFORM SIGN LAGAB TIMES U	1221C		CUNEIFORM SIGN LUL
121E6		CUNEIFORM SIGN LAGAB TIMES U PLUS A	1221D		CUNEIFORM SIGN LUM
121E7		CUNEIFORM SIGN LAGAB TIMES U PLUS U PLUS U	1221E		CUNEIFORM SIGN LUM OVER LUM
121E8		CUNEIFORM SIGN LAGAB TIMES U2 PLUS ASH	1221F		CUNEIFORM SIGN LUM OVER LUM GAR OVER GAR
121E9		CUNEIFORM SIGN LAGAB TIMES UD	12220		CUNEIFORM SIGN MA
121EA		CUNEIFORM SIGN LAGAB TIMES USH	12221		CUNEIFORM SIGN MA TIMES TAK4
121EB		CUNEIFORM SIGN LAGAB SQUARED	12222		CUNEIFORM SIGN MA GUNU
121EC		CUNEIFORM SIGN LAGAR	12223		CUNEIFORM SIGN MA2
121ED		CUNEIFORM SIGN LAGAR TIMES SHE	12224		CUNEIFORM SIGN MAH
121EE		CUNEIFORM SIGN LAGAR TIMES SHE PLUS SUM	12225		CUNEIFORM SIGN MAR
121EF		CUNEIFORM SIGN LAGAR GUNU	12226		CUNEIFORM SIGN MASH
121F0		CUNEIFORM SIGN LAGAR GUNU OVER LAGAR GUNU SHE	12227		CUNEIFORM SIGN MASH2
121F1		CUNEIFORM SIGN LAHSHU	12228		CUNEIFORM SIGN ME
121F2		CUNEIFORM SIGN LAL	12229		CUNEIFORM SIGN MES
121F3		CUNEIFORM SIGN LAL TIMES LAL	1222A		CUNEIFORM SIGN MI
121F4		CUNEIFORM SIGN LAM	1222B		CUNEIFORM SIGN MIN
121F5		CUNEIFORM SIGN LAM TIMES KUR	1222C		CUNEIFORM SIGN MU
121F6		CUNEIFORM SIGN LAM TIMES KUR PLUS RU	1222D		CUNEIFORM SIGN MU OVER MU
121F7		CUNEIFORM SIGN LI	1222E		CUNEIFORM SIGN MUG
121F8		CUNEIFORM SIGN LIL	1222F		CUNEIFORM SIGN MUG GUNU
121F9		CUNEIFORM SIGN LIMMU2	12230		CUNEIFORM SIGN MUNSUB
121FA		CUNEIFORM SIGN LISH	12231		CUNEIFORM SIGN MURGU2
121FB		CUNEIFORM SIGN LU	12232		CUNEIFORM SIGN MUSH
121FC		CUNEIFORM SIGN LU TIMES BAD	12233		CUNEIFORM SIGN MUSH TIMES A
121FD		CUNEIFORM SIGN LU2	12234		CUNEIFORM SIGN MUSH TIMES KUR
121FE		CUNEIFORM SIGN LU2 TIMES AL	12235		CUNEIFORM SIGN MUSH TIMES ZA
121FF		CUNEIFORM SIGN LU2 TIMES BAD	12236		CUNEIFORM SIGN MUSH OVER MUSH
12200		CUNEIFORM SIGN LU2 TIMES ESH2	12237		CUNEIFORM SIGN MUSH OVER MUSH TIMES A PLUS NA
12201		CUNEIFORM SIGN LU2 TIMES ESH2 TENU	12238		CUNEIFORM SIGN MUSH CROSSING MUSH
12202		CUNEIFORM SIGN LU2 TIMES GAN2 TENU	12239		CUNEIFORM SIGN MUSH3
			1223A		CUNEIFORM SIGN MUSH3 TIMES A
			1223B		CUNEIFORM SIGN MUSH3 TIMES A PLUS DI
			1223C		CUNEIFORM SIGN MUSH3 TIMES DI
			1223D		CUNEIFORM SIGN MUSH3 GUNU

1223E		CUNEIFORM SIGN NA	12274		CUNEIFORM SIGN NUNUZ AB2 TIMES LA
1223F		CUNEIFORM SIGN NA2	12275		CUNEIFORM SIGN NUNUZ AB2 TIMES NE
12240		CUNEIFORM SIGN NAGA	12276		CUNEIFORM SIGN NUNUZ AB2 TIMES SILA3
12241		CUNEIFORM SIGN NAGA INVERTED	12277		CUNEIFORM SIGN NUNUZ AB2 TIMES U2
12242		CUNEIFORM SIGN NAGA TIMES SHU TENU	12278		CUNEIFORM SIGN NUNUZ KISIM5 TIMES BI
12243		CUNEIFORM SIGN NAGA OPPOSING NAGA	12279		CUNEIFORM SIGN NUNUZ KISIM5 TIMES BI U
12244		CUNEIFORM SIGN NAGAR	1227A		CUNEIFORM SIGN PA
12245		CUNEIFORM SIGN NAM NUTILLU	1227B		CUNEIFORM SIGN PAD
12246		CUNEIFORM SIGN NAM	1227C		CUNEIFORM SIGN PAN
12247		CUNEIFORM SIGN NAM2	1227D		CUNEIFORM SIGN PAP
12248		CUNEIFORM SIGN NE	1227E		CUNEIFORM SIGN PESH2
12249		CUNEIFORM SIGN NE TIMES A	1227F		CUNEIFORM SIGN PI
1224A		CUNEIFORM SIGN NE TIMES UD	12280		CUNEIFORM SIGN PI TIMES A
1224B		CUNEIFORM SIGN NE SHESHIG	12281		CUNEIFORM SIGN PI TIMES AB
1224C		CUNEIFORM SIGN NI	12282		CUNEIFORM SIGN PI TIMES BI
1224D		CUNEIFORM SIGN NI TIMES E	12283		CUNEIFORM SIGN PI TIMES BU
1224E		CUNEIFORM SIGN NI2	12284		CUNEIFORM SIGN PI TIMES E
1224F		CUNEIFORM SIGN NIM	12285		CUNEIFORM SIGN PI TIMES I
12250		CUNEIFORM SIGN NIM TIMES GAN2 TENU	12286		CUNEIFORM SIGN PI TIMES IB
12251		CUNEIFORM SIGN NIM TIMES GAR PLUS GAN2 TENU	12287		CUNEIFORM SIGN PI TIMES U
12252		CUNEIFORM SIGN NINDA2	12288		CUNEIFORM SIGN PI TIMES U2
12253		CUNEIFORM SIGN NINDA2 TIMES AN	12289		CUNEIFORM SIGN PI CROSSING PI
12254		CUNEIFORM SIGN NINDA2 TIMES ASH	1228A		CUNEIFORM SIGN PIRIG
12255		CUNEIFORM SIGN NINDA2 TIMES ASH PLUS ASH	1228B		CUNEIFORM SIGN PIRIG TIMES KAL
12256		CUNEIFORM SIGN NINDA2 TIMES GUD	1228C		CUNEIFORM SIGN PIRIG TIMES UD
12257		CUNEIFORM SIGN NINDA2 TIMES ME PLUS GAN2 TENU	1228D		CUNEIFORM SIGN PIRIG TIMES ZA
12258		CUNEIFORM SIGN NINDA2 TIMES NE	1228E		CUNEIFORM SIGN PIRIG OPPOSING PIRIG
12259		CUNEIFORM SIGN NINDA2 TIMES NUN	1228F		CUNEIFORM SIGN RA
1225A		CUNEIFORM SIGN NINDA2 TIMES SHE	12290		CUNEIFORM SIGN RAB
1225B		CUNEIFORM SIGN NINDA2 TIMES SHE PLUS A AN	12291		CUNEIFORM SIGN RI
1225C		CUNEIFORM SIGN NINDA2 TIMES SHE PLUS ASH	12292		CUNEIFORM SIGN RU
1225D		CUNEIFORM SIGN NINDA2 TIMES SHE PLUS ASH PLUS ASH	12293		CUNEIFORM SIGN SA
1225E		CUNEIFORM SIGN NINDA2 TIMES U2 PLUS ASH	12294		CUNEIFORM SIGN SAG NUTILLU
1225F		CUNEIFORM SIGN NINDA2 TIMES USH	12295		CUNEIFORM SIGN SAG
12260		CUNEIFORM SIGN NISAG	12296		CUNEIFORM SIGN SAG TIMES A
12261		CUNEIFORM SIGN NU	12297		CUNEIFORM SIGN SAG TIMES DU
12262		CUNEIFORM SIGN NU11	12298		CUNEIFORM SIGN SAG TIMES DUB
12263		CUNEIFORM SIGN NUN	12299		CUNEIFORM SIGN SAG TIMES HA
12264		CUNEIFORM SIGN NUN LAGAR TIMES GAR	1229A		CUNEIFORM SIGN SAG TIMES KAK
12265		CUNEIFORM SIGN NUN LAGAR TIMES MASH	1229B		CUNEIFORM SIGN SAG TIMES KUR
12266		CUNEIFORM SIGN NUN LAGAR TIMES SAL	1229C		CUNEIFORM SIGN SAG TIMES LUM
12267		CUNEIFORM SIGN NUN LAGAR TIMES SAL OVER NUN LAGAR TIMES SAL	1229D		CUNEIFORM SIGN SAG TIMES MI
12268		CUNEIFORM SIGN NUN LAGAR TIMES USH	1229E		CUNEIFORM SIGN SAG TIMES NUN
12269		CUNEIFORM SIGN NUN TENU	1229F		CUNEIFORM SIGN SAG TIMES SAL
1226A		CUNEIFORM SIGN NUN OVER NUN	122A0		CUNEIFORM SIGN SAG TIMES SHID
1226B		CUNEIFORM SIGN NUN CROSSING NUN	122A1		CUNEIFORM SIGN SAG TIMES TAB
1226C		CUNEIFORM SIGN NUN CROSSING NUN LAGAR OVER LAGAR	122A2		CUNEIFORM SIGN SAG TIMES U2
1226D		CUNEIFORM SIGN NUNUZ	122A3		CUNEIFORM SIGN SAG TIMES UB
1226E		CUNEIFORM SIGN NUNUZ AB2 TIMES ASHGAB	122A4		CUNEIFORM SIGN SAG TIMES UM
1226F		CUNEIFORM SIGN NUNUZ AB2 TIMES BI	122A5		CUNEIFORM SIGN SAG TIMES UR
12270		CUNEIFORM SIGN NUNUZ AB2 TIMES DUG	122A6		CUNEIFORM SIGN SAG TIMES USH
12271		CUNEIFORM SIGN NUNUZ AB2 TIMES GUD	122A7		CUNEIFORM SIGN SAG OVER SAG
12272		CUNEIFORM SIGN NUNUZ AB2 TIMES IGI GUNU	122A8		CUNEIFORM SIGN SAG GUNU
12273		CUNEIFORM SIGN NUNUZ AB2 TIMES KAD3	122A9		CUNEIFORM SIGN SAL
			122AA		CUNEIFORM SIGN SAL LAGAB TIMES ASH2
			122AB		CUNEIFORM SIGN SANGA2
			122AC		CUNEIFORM SIGN SAR
			122AD		CUNEIFORM SIGN SHA
			122AE		CUNEIFORM SIGN SHA3
			122AF		CUNEIFORM SIGN SHA3 TIMES A
			122B0		CUNEIFORM SIGN SHA3 TIMES BAD

122B1		CUNEIFORM SIGN SHA3 TIMES GISH	122EA		CUNEIFORM SIGN SUR9
122B2		CUNEIFORM SIGN SHA3 TIMES NE	122EB		CUNEIFORM SIGN TA
122B3		CUNEIFORM SIGN SHA3 TIMES SHU2	122EC		CUNEIFORM SIGN TA ASTERISK
122B4		CUNEIFORM SIGN SHA3 TIMES TUR	122ED		CUNEIFORM SIGN TA TIMES HI
122B5		CUNEIFORM SIGN SHA3 TIMES U	122EE		CUNEIFORM SIGN TA TIMES MI
122B6		CUNEIFORM SIGN SHA3 TIMES U PLUS A	122EF		CUNEIFORM SIGN TA GUNU
122B7		CUNEIFORM SIGN SHA6	122F0		CUNEIFORM SIGN TAB
122B8		CUNEIFORM SIGN SHAB6	122F1		CUNEIFORM SIGN TAB OVER TAB NI OVER NI DISH OVER DISH
122B9		CUNEIFORM SIGN SHAR2	122F2		CUNEIFORM SIGN TAB SQUARED
		• formed by making a circular indentation with the end of the stylus	122F3		CUNEIFORM SIGN TAG
122BA		CUNEIFORM SIGN SHE	122F4		CUNEIFORM SIGN TAG TIMES BI
122BB		CUNEIFORM SIGN SHE HU	122F5		CUNEIFORM SIGN TAG TIMES GUD
122BC		CUNEIFORM SIGN SHE OVER SHE GAD OVER GAD GAR OVER GAR	122F6		CUNEIFORM SIGN TAG TIMES SHE
122BD		CUNEIFORM SIGN SHE OVER SHE TAB OVER TAB GAR OVER GAR	122F7		CUNEIFORM SIGN TAG TIMES SHU
122BE		CUNEIFORM SIGN SHEG9	122F8		CUNEIFORM SIGN TAG TIMES TUG2
122BF		CUNEIFORM SIGN SHEN	122F9		CUNEIFORM SIGN TAG TIMES UD
122C0		CUNEIFORM SIGN SHESH	122FA		CUNEIFORM SIGN TAK4
122C1		CUNEIFORM SIGN SHESH2	122FB		CUNEIFORM SIGN TAR
122C2		CUNEIFORM SIGN SHESHLAM	122FC		CUNEIFORM SIGN TE
122C3		CUNEIFORM SIGN SHID	122FD		CUNEIFORM SIGN TE GUNU
122C4		CUNEIFORM SIGN SHID TIMES A	122FE		CUNEIFORM SIGN TI
122C5		CUNEIFORM SIGN SHID TIMES IM	122FF		CUNEIFORM SIGN TI TENU
122C6		CUNEIFORM SIGN SHIM	12300		CUNEIFORM SIGN TIL
122C7		CUNEIFORM SIGN SHIM TIMES A	12301		CUNEIFORM SIGN TIR
122C8		CUNEIFORM SIGN SHIM TIMES BAL	12302		CUNEIFORM SIGN TIR TIMES TAK4
122C9		CUNEIFORM SIGN SHIM TIMES BULUG	12303		CUNEIFORM SIGN TIR OVER TIR
122CA		CUNEIFORM SIGN SHIM TIMES DIN	12304		CUNEIFORM SIGN TIR OVER TIR GAD OVER GAD GAR OVER GAR
122CB		CUNEIFORM SIGN SHIM TIMES GAR	12305		CUNEIFORM SIGN TU
122CC		CUNEIFORM SIGN SHIM TIMES IGI	12306		CUNEIFORM SIGN TUG2
122CD		CUNEIFORM SIGN SHIM TIMES IGI GUNU	12307		CUNEIFORM SIGN TUK
122CE		CUNEIFORM SIGN SHIM TIMES KUSHU2	12308		CUNEIFORM SIGN TUM
122CF		CUNEIFORM SIGN SHIM TIMES LUL	12309		CUNEIFORM SIGN TUR
122D0		CUNEIFORM SIGN SHIM TIMES MUG	1230A		CUNEIFORM SIGN TUR OVER TUR ZA OVER ZA
122D1		CUNEIFORM SIGN SHIM TIMES SAL	1230B		CUNEIFORM SIGN U
122D2		CUNEIFORM SIGN SHINIG	1230C		CUNEIFORM SIGN U GUD
122D3		CUNEIFORM SIGN SHIR	1230D		CUNEIFORM SIGN U U U
122D4		CUNEIFORM SIGN SHIR TENU	1230E		CUNEIFORM SIGN U OVER U PA OVER PA GAR OVER GAR
122D5		CUNEIFORM SIGN SHIR OVER SHIR BUR OVER BUR	1230F		CUNEIFORM SIGN U OVER U SUR OVER SUR
122D6		CUNEIFORM SIGN SHITA	12310		CUNEIFORM SIGN U OVER U U REVERSED OVER U REVERSED
122D7		CUNEIFORM SIGN SHU	12311		CUNEIFORM SIGN U2
122D8		CUNEIFORM SIGN SHU OVER INVERTED SHU	12312		CUNEIFORM SIGN UB
122D9		CUNEIFORM SIGN SHU2	12313		CUNEIFORM SIGN UD
122DA		CUNEIFORM SIGN SHUBUR	12314		CUNEIFORM SIGN UD KUSHU2
122DB		CUNEIFORM SIGN SI	12315		CUNEIFORM SIGN UD TIMES BAD
122DC		CUNEIFORM SIGN SI GUNU	12316		CUNEIFORM SIGN UD TIMES MI
122DD		CUNEIFORM SIGN SIG	12317		CUNEIFORM SIGN UD TIMES U PLUS U PLUS U
122DE		CUNEIFORM SIGN SIG4	12318		CUNEIFORM SIGN UD TIMES U PLUS U PLUS U GUNU
122DF		CUNEIFORM SIGN SIG4 OVER SIG4 SHU2	12319		CUNEIFORM SIGN UD GUNU
122E0		CUNEIFORM SIGN SIK2	1231A		CUNEIFORM SIGN UD SHESHIG
122E1		CUNEIFORM SIGN SILA3	1231B		CUNEIFORM SIGN UD SHESHIG TIMES BAD
122E2		CUNEIFORM SIGN SU	1231C		CUNEIFORM SIGN UDUG
122E3		CUNEIFORM SIGN SU OVER SU	1231D		CUNEIFORM SIGN UM
122E4		CUNEIFORM SIGN SUD	1231E		CUNEIFORM SIGN UM TIMES LAGAB
122E5		CUNEIFORM SIGN SUD2	1231F		CUNEIFORM SIGN UM TIMES ME PLUS DA
122E6		CUNEIFORM SIGN SUHUR	12320		CUNEIFORM SIGN UM TIMES SHA3
122E7		CUNEIFORM SIGN SUM	12321		CUNEIFORM SIGN UM TIMES U
122E8		CUNEIFORM SIGN SUMASH	12322		CUNEIFORM SIGN UMBIN
122E9		CUNEIFORM SIGN SUR			

12323		CUNEIFORM SIGN UMUM	12360		CUNEIFORM SIGN ZAG
12324		CUNEIFORM SIGN UMUM TIMES KASKAL	12361		CUNEIFORM SIGN ZAMX
12325		CUNEIFORM SIGN UMUM TIMES PA	12362		CUNEIFORM SIGN ZE2
12326		CUNEIFORM SIGN UN	12363		CUNEIFORM SIGN ZI
12327		CUNEIFORM SIGN UN GUNU	12364		CUNEIFORM SIGN ZI OVER ZI
12328		CUNEIFORM SIGN UR	12365		CUNEIFORM SIGN ZI3
12329		CUNEIFORM SIGN UR CROSSING UR	12366		CUNEIFORM SIGN ZIB
1232A		CUNEIFORM SIGN UR SHESHIG	12367		CUNEIFORM SIGN ZIB KABA TENU
1232B		CUNEIFORM SIGN UR2	12368		CUNEIFORM SIGN ZIG
1232C		CUNEIFORM SIGN UR2 TIMES A PLUS HA	12369		CUNEIFORM SIGN ZIZ2
1232D		CUNEIFORM SIGN UR2 TIMES A PLUS NA	1236A		CUNEIFORM SIGN ZU
1232E		CUNEIFORM SIGN UR2 TIMES AL	1236B		CUNEIFORM SIGN ZU5
1232F		CUNEIFORM SIGN UR2 TIMES HA	1236C		CUNEIFORM SIGN ZU5 TIMES A
12330		CUNEIFORM SIGN UR2 TIMES NUN	1236D		CUNEIFORM SIGN ZUBUR
12331		CUNEIFORM SIGN UR2 TIMES U2	1236E		CUNEIFORM SIGN ZUM
12332		CUNEIFORM SIGN UR2 TIMES U2 PLUS ASH			
12333		CUNEIFORM SIGN UR2 TIMES U2 PLUS BI			
12334		CUNEIFORM SIGN UR4			
12335		CUNEIFORM SIGN URI			
12336		CUNEIFORM SIGN URI3			
12337		CUNEIFORM SIGN URU			
12338		CUNEIFORM SIGN URU TIMES A			
12339		CUNEIFORM SIGN URU TIMES ASHGAB			
1233A		CUNEIFORM SIGN URU TIMES BAR			
1233B		CUNEIFORM SIGN URU TIMES DUN			
1233C		CUNEIFORM SIGN URU TIMES GA			
1233D		CUNEIFORM SIGN URU TIMES GAL			
1233E		CUNEIFORM SIGN URU TIMES GAN2 TENU			
1233F		CUNEIFORM SIGN URU TIMES GAR			
12340		CUNEIFORM SIGN URU TIMES GU			
12341		CUNEIFORM SIGN URU TIMES HA			
12342		CUNEIFORM SIGN URU TIMES IGI			
12343		CUNEIFORM SIGN URU TIMES IM			
12344		CUNEIFORM SIGN URU TIMES ISH			
12345		CUNEIFORM SIGN URU TIMES KI			
12346		CUNEIFORM SIGN URU TIMES LUM			
12347		CUNEIFORM SIGN URU TIMES MIN			
12348		CUNEIFORM SIGN URU TIMES PA			
12349		CUNEIFORM SIGN URU TIMES SHE			
1234A		CUNEIFORM SIGN URU TIMES SIG4			
1234B		CUNEIFORM SIGN URU TIMES TU			
1234C		CUNEIFORM SIGN URU TIMES U PLUS GUD			
1234D		CUNEIFORM SIGN URU TIMES UD			
1234E		CUNEIFORM SIGN URU TIMES URUDA			
1234F		CUNEIFORM SIGN URUDA			
12350		CUNEIFORM SIGN URUDA TIMES U			
12351		CUNEIFORM SIGN USH			
12352		CUNEIFORM SIGN USH TIMES A			
12353		CUNEIFORM SIGN USH TIMES KU			
12354		CUNEIFORM SIGN USH TIMES KUR			
12355		CUNEIFORM SIGN USH TIMES TAK4			
12356		CUNEIFORM SIGN USHX			
12357		CUNEIFORM SIGN USH2			
12358		CUNEIFORM SIGN USHUMX			
12359		CUNEIFORM SIGN UTUKI			
1235A		CUNEIFORM SIGN UZ3			
1235B		CUNEIFORM SIGN UZ3 TIMES KASKAL			
1235C		CUNEIFORM SIGN UZU			
1235D		CUNEIFORM SIGN ZA			
1235E		CUNEIFORM SIGN ZA TENU			
1235F		CUNEIFORM SIGN ZA SQUARED TIMES KUR			

	1240	1241	1242	1243	1244	1245	1246	1247
0	12400	12410	12420	12430	12440	12450	12460	12470
1	12401	12411	12421	12431	12441	12451	12461	12471
2	12402	12412	12422	12432	12442	12452	12462	12472
3	12403	12413	12423	12433	12443	12453		12473
4	12404	12414	12424	12434	12444	12454		
5	12405	12415	12425	12435	12445	12455		
6	12406	12416	12426	12436	12446	12456		
7	12407	12417	12427	12437	12447	12457		
8	12408	12418	12428	12438	12448	12458		
9	12409	12419	12429	12439	12449	12459		
A	1240A	1241A	1242A	1243A	1244A	1245A		
B	1240B	1241B	1242B	1243B	1244B	1245B		
C	1240C	1241C	1242C	1243C	1244C	1245C		
D	1240D	1241D	1242D	1243D	1244D	1245D		
E	1240E	1241E	1242E	1243E	1244E	1245E		
F	1240F	1241F	1242F	1243F	1244F	1245F		



**Numeric signs**

12400	𐎠	CUNEIFORM NUMERIC SIGN TWO ASH
12401	𐎡	CUNEIFORM NUMERIC SIGN THREE ASH
12402	𐎢	CUNEIFORM NUMERIC SIGN FOUR ASH
12403	𐎣	CUNEIFORM NUMERIC SIGN FIVE ASH
12404	𐎤	CUNEIFORM NUMERIC SIGN SIX ASH
12405	𐎥	CUNEIFORM NUMERIC SIGN SEVEN ASH
12406	𐎦	CUNEIFORM NUMERIC SIGN EIGHT ASH
12407	𐎧	CUNEIFORM NUMERIC SIGN NINE ASH
12408	𐎨	CUNEIFORM NUMERIC SIGN THREE DISH
12409	𐎩	CUNEIFORM NUMERIC SIGN FOUR DISH
1240A	𐎪	CUNEIFORM NUMERIC SIGN FIVE DISH
1240B	𐎫	CUNEIFORM NUMERIC SIGN SIX DISH
1240C	𐎬	CUNEIFORM NUMERIC SIGN SEVEN DISH
1240D	𐎭	CUNEIFORM NUMERIC SIGN EIGHT DISH
1240E	𐎮	CUNEIFORM NUMERIC SIGN NINE DISH
1240F	𐎯	CUNEIFORM NUMERIC SIGN FOUR U
12410	𐎰	CUNEIFORM NUMERIC SIGN FIVE U
12411	𐎱	CUNEIFORM NUMERIC SIGN SIX U
12412	𐎲	CUNEIFORM NUMERIC SIGN SEVEN U
12413	𐎳	CUNEIFORM NUMERIC SIGN EIGHT U
12414	𐎴	CUNEIFORM NUMERIC SIGN NINE U
12415	𐎵	CUNEIFORM NUMERIC SIGN ONE GESH2
12416	𐎶	CUNEIFORM NUMERIC SIGN TWO GESH2
12417	𐎷	CUNEIFORM NUMERIC SIGN THREE GESH2
12418	𐎸	CUNEIFORM NUMERIC SIGN FOUR GESH2
12419	𐎹	CUNEIFORM NUMERIC SIGN FIVE GESH2
1241A	𐎺	CUNEIFORM NUMERIC SIGN SIX GESH2
1241B	𐎻	CUNEIFORM NUMERIC SIGN SEVEN GESH2
1241C	𐎼	CUNEIFORM NUMERIC SIGN EIGHT GESH2
1241D	𐎽	CUNEIFORM NUMERIC SIGN NINE GESH2
1241E	𐎾	CUNEIFORM NUMERIC SIGN ONE GESHU
1241F	𐎿	CUNEIFORM NUMERIC SIGN TWO GESHU
12420	𐏀	CUNEIFORM NUMERIC SIGN THREE GESHU
12421	𐏁	CUNEIFORM NUMERIC SIGN FOUR GESHU
12422	𐏂	CUNEIFORM NUMERIC SIGN FIVE GESHU
12423	𐏃	CUNEIFORM NUMERIC SIGN TWO SHAR2
12424	𐏄	CUNEIFORM NUMERIC SIGN THREE SHAR2
12425	𐏅	CUNEIFORM NUMERIC SIGN THREE SHAR2 VARIANT FORM
12426	𐏆	CUNEIFORM NUMERIC SIGN FOUR SHAR2
12427	𐏇	CUNEIFORM NUMERIC SIGN FIVE SHAR2
12428	𐏈	CUNEIFORM NUMERIC SIGN SIX SHAR2
12429	𐏉	CUNEIFORM NUMERIC SIGN SEVEN SHAR2
1242A	𐏊	CUNEIFORM NUMERIC SIGN EIGHT SHAR2
1242B	𐏋	CUNEIFORM NUMERIC SIGN NINE SHAR2
1242C	𐏌	CUNEIFORM NUMERIC SIGN ONE SHARU
1242D	𐏍	CUNEIFORM NUMERIC SIGN TWO SHARU
1242E	𐏎	CUNEIFORM NUMERIC SIGN THREE SHARU
1242F	𐏏	CUNEIFORM NUMERIC SIGN THREE SHARU VARIANT FORM
12430	𐏐	CUNEIFORM NUMERIC SIGN FOUR SHARU
12431	𐏑	CUNEIFORM NUMERIC SIGN FIVE SHARU
12432	𐏒	CUNEIFORM NUMERIC SIGN SHAR2 TIMES GAL PLUS DISH
12433	𐏓	CUNEIFORM NUMERIC SIGN SHAR2 TIMES GAL PLUS MIN
12434	𐏔	CUNEIFORM NUMERIC SIGN ONE BURU
12435	𐏕	CUNEIFORM NUMERIC SIGN TWO BURU
12436	𐏖	CUNEIFORM NUMERIC SIGN THREE BURU
12437	𐏗	CUNEIFORM NUMERIC SIGN THREE BURU VARIANT FORM







12438	𐏘	CUNEIFORM NUMERIC SIGN FOUR BURU
12439	𐏙	CUNEIFORM NUMERIC SIGN FIVE BURU
1243A	𐏚	CUNEIFORM NUMERIC SIGN THREE VARIANT FORM ESH16
1243B	𐏛	CUNEIFORM NUMERIC SIGN THREE VARIANT FORM ESH21
1243C	𐏜	CUNEIFORM NUMERIC SIGN FOUR VARIANT FORM LIMMU
1243D	𐏝	CUNEIFORM NUMERIC SIGN FOUR VARIANT FORM LIMMU4
1243E	𐏞	CUNEIFORM NUMERIC SIGN FOUR VARIANT FORM LIMMU A
1243F	𐏟	CUNEIFORM NUMERIC SIGN FOUR VARIANT FORM LIMMU B
12440	𐏠	CUNEIFORM NUMERIC SIGN SIX VARIANT FORM ASH9
12441	𐏡	CUNEIFORM NUMERIC SIGN SEVEN VARIANT FORM IMIN3
12442	𐏢	CUNEIFORM NUMERIC SIGN SEVEN VARIANT FORM IMIN A
12443	𐏣	CUNEIFORM NUMERIC SIGN SEVEN VARIANT FORM IMIN B
12444	𐏤	CUNEIFORM NUMERIC SIGN EIGHT VARIANT FORM USSU
12445	𐏥	CUNEIFORM NUMERIC SIGN EIGHT VARIANT FORM USSU3
12446	𐏦	CUNEIFORM NUMERIC SIGN NINE VARIANT FORM ILIMMU
12447	𐏧	CUNEIFORM NUMERIC SIGN NINE VARIANT FORM ILIMMU3
12448	𐏨	CUNEIFORM NUMERIC SIGN NINE VARIANT FORM ILIMMU4
12449	𐏩	CUNEIFORM NUMERIC SIGN NINE VARIANT FORM ILIMMU A
1244A	𐏪	CUNEIFORM NUMERIC SIGN TWO ASH TENU
1244B	𐏫	CUNEIFORM NUMERIC SIGN THREE ASH TENU
1244C	𐏬	CUNEIFORM NUMERIC SIGN FOUR ASH TENU
1244D	𐏭	CUNEIFORM NUMERIC SIGN FIVE ASH TENU
1244E	𐏮	CUNEIFORM NUMERIC SIGN SIX ASH TENU
1244F	𐏯	CUNEIFORM NUMERIC SIGN ONE BAN2
12450	𐏰	CUNEIFORM NUMERIC SIGN TWO BAN2
12451	𐏱	CUNEIFORM NUMERIC SIGN THREE BAN2
12452	𐏲	CUNEIFORM NUMERIC SIGN FOUR BAN2
12453	𐏳	CUNEIFORM NUMERIC SIGN FOUR BAN2 VARIANT FORM
12454	𐏴	CUNEIFORM NUMERIC SIGN FIVE BAN2
12455	𐏵	CUNEIFORM NUMERIC SIGN FIVE BAN2 VARIANT FORM
12456	𐏶	CUNEIFORM NUMERIC SIGN NIGIDAMIN
12457	𐏷	CUNEIFORM NUMERIC SIGN NIGIDAESH
12458	𐏸	CUNEIFORM NUMERIC SIGN ONE ESHE3
12459	𐏹	CUNEIFORM NUMERIC SIGN TWO ESHE3

**Fractions**

1245A	𐏺	CUNEIFORM NUMERIC SIGN ONE THIRD DISH
1245B	𐏻	CUNEIFORM NUMERIC SIGN TWO THIRDS DISH
1245C	𐏼	CUNEIFORM NUMERIC SIGN FIVE SIXTHS DISH
1245D	𐏽	CUNEIFORM NUMERIC SIGN ONE THIRD VARIANT FORM A
1245E	𐏾	CUNEIFORM NUMERIC SIGN TWO THIRDS VARIANT FORM A
1245F	𐏿	CUNEIFORM NUMERIC SIGN ONE EIGHTH ASH
12460	𐐀	CUNEIFORM NUMERIC SIGN ONE QUARTER ASH

- 12461  CUNEIFORM NUMERIC SIGN OLD ASSYRIAN  
ONE SIXTH
- 12462  CUNEIFORM NUMERIC SIGN OLD ASSYRIAN  
ONE QUARTER

**Punctuation**

- 12470  CUNEIFORM PUNCTUATION SIGN OLD  
ASSYRIAN WORD DIVIDER  
→ 1039F  ugaritic word divider  
→ 103D0  old persian word divider
- 12471  CUNEIFORM PUNCTUATION SIGN VERTICAL  
COLON
- 12472  CUNEIFORM PUNCTUATION SIGN DIAGONAL  
COLON
- 12473  CUNEIFORM PUNCTUATION SIGN DIAGONAL  
TRICOLON

	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	130A	130B	130C	130D
0	13000	13010	13020	13030	13040	13050	13060	13070	13080	13090	130A0	130B0	130C0	130D0
1	13001	13011	13021	13031	13041	13051	13061	13071	13081	13091	130A1	130B1	130C1	130D1
2	13002	13012	13022	13032	13042	13052	13062	13072	13082	13092	130A2	130B2	130C2	130D2
3	13003	13013	13023	13033	13043	13053	13063	13073	13083	13093	130A3	130B3	130C3	130D3
4	13004	13014	13024	13034	13044	13054	13064	13074	13084	13094	130A4	130B4	130C4	130D4
5	13005	13015	13025	13035	13045	13055	13065	13075	13085	13095	130A5	130B5	130C5	130D5
6	13006	13016	13026	13036	13046	13056	13066	13076	13086	13096	130A6	130B6	130C6	130D6
7	13007	13017	13027	13037	13047	13057	13067	13077	13087	13097	130A7	130B7	130C7	130D7
8	13008	13018	13028	13038	13048	13058	13068	13078	13088	13098	130A8	130B8	130C8	130D8
9	13009	13019	13029	13039	13049	13059	13069	13079	13089	13099	130A9	130B9	130C9	130D9
A	1300A	1301A	1302A	1303A	1304A	1305A	1306A	1307A	1308A	1309A	130AA	130BA	130CA	130DA
B	1300B	1301B	1302B	1303B	1304B	1305B	1306B	1307B	1308B	1309B	130AB	130BB	130CB	130DB
C	1300C	1301C	1302C	1303C	1304C	1305C	1306C	1307C	1308C	1309C	130AC	130BC	130CC	130DC
D	1300D	1301D	1302D	1303D	1304D	1305D	1306D	1307D	1308D	1309D	130AD	130BD	130CD	130DD
E	1300E	1301E	1302E	1303E	1304E	1305E	1306E	1307E	1308E	1309E	130AE	130BE	130CE	130DE
F	1300F	1301F	1302F	1303F	1304F	1305F	1306F	1307F	1308F	1309F	130AF	130BF	130CF	130DF



	130E	130F	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	131A	131B
0	130E0	130F0	13100	13110	13120	13130	13140	13150	13160	13170	13180	13190	131A0	131B0
1	130E1	130F1	13101	13111	13121	13131	13141	13151	13161	13171	13181	13191	131A1	131B1
2	130E2	130F2	13102	13112	13122	13132	13142	13152	13162	13172	13182	13192	131A2	131B2
3	130E3	130F3	13103	13113	13123	13133	13143	13153	13163	13173	13183	13193	131A3	131B3
4	130E4	130F4	13104	13114	13124	13134	13144	13154	13164	13174	13184	13194	131A4	131B4
5	130E5	130F5	13105	13115	13125	13135	13145	13155	13165	13175	13185	13195	131A5	131B5
6	130E6	130F6	13106	13116	13126	13136	13146	13156	13166	13176	13186	13196	131A6	131B6
7	130E7	130F7	13107	13117	13127	13137	13147	13157	13167	13177	13187	13197	131A7	131B7
8	130E8	130F8	13108	13118	13128	13138	13148	13158	13168	13178	13188	13198	131A8	131B8
9	130E9	130F9	13109	13119	13129	13139	13149	13159	13169	13179	13189	13199	131A9	131B9
A	130EA	130FA	1310A	1311A	1312A	1313A	1314A	1315A	1316A	1317A	1318A	1319A	131AA	131BA
B	130EB	130FB	1310B	1311B	1312B	1313B	1314B	1315B	1316B	1317B	1318B	1319B	131AB	131BB
C	130EC	130FC	1310C	1311C	1312C	1313C	1314C	1315C	1316C	1317C	1318C	1319C	131AC	131BC
D	130ED	130FD	1310D	1311D	1312D	1313D	1314D	1315D	1316D	1317D	1318D	1319D	131AD	131BD
E	130EE	130FE	1310E	1311E	1312E	1313E	1314E	1315E	1316E	1317E	1318E	1319E	131AE	131BE
F	130EF	130FF	1310F	1311F	1312F	1313F	1314F	1315F	1316F	1317F	1318F	1319F	131AF	131BF

	131C	131D	131E	131F	1320	1321	1322	1323	1324	1325	1326	1327	1328
0	131C0	131D0	131E0	131F0	13200	13210	13220	13230	13240	13250	13260	13270	13280
1	131C1	131D1	131E1	131F1	13201	13211	13221	13231	13241	13251	13261	13271	13281
2	131C2	131D2	131E2	131F2	13202	13212	13222	13232	13242	13252	13262	13272	13282
3	131C3	131D3	131E3	131F3	13203	13213	13223	13233	13243	13253	13263	13273	13283
4	131C4	131D4	131E4	131F4	13204	13214	13224	13234	13244	13254	13264	13274	13284
5	131C5	131D5	131E5	131F5	13205	13215	13225	13235	13245	13255	13265	13275	13285
6	131C6	131D6	131E6	131F6	13206	13216	13226	13236	13246	13256	13266	13276	13286
7	131C7	131D7	131E7	131F7	13207	13217	13227	13237	13247	13257	13267	13277	13287
8	131C8	131D8	131E8	131F8	13208	13218	13228	13238	13248	13258	13268	13278	13288
9	131C9	131D9	131E9	131F9	13209	13219	13229	13239	13249	13259	13269	13279	13289
A	131CA	131DA	131EA	131FA	1320A	1321A	1322A	1323A	1324A	1325A	1326A	1327A	1328A
B	131CB	131DB	131EB	131FB	1320B	1321B	1322B	1323B	1324B	1325B	1326B	1327B	1328B
C	131CC	131DC	131EC	131FC	1320C	1321C	1322C	1323C	1324C	1325C	1326C	1327C	1328C
D	131CD	131DD	131ED	131FD	1320D	1321D	1322D	1323D	1324D	1325D	1326D	1327D	1328D
E	131CE	131DE	131EE	131FE	1320E	1321E	1322E	1323E	1324E	1325E	1326E	1327E	1328E
F	131CF	131DF	131EF	131FF	1320F	1321F	1322F	1323F	1324F	1325F	1326F	1327F	1328F

	1329	132A	132B	132C	132D	132E	132F	1330	1331	1332	1333	1334	1335
0	13290	132A0	132B0	132C0	132D0	132E0	132F0	13300	13310	13320	13330	13340	13350
1	13291	132A1	132B1	132C1	132D1	132E1	132F1	13301	13311	13321	13331	13341	13351
2	13292	132A2	132B2	132C2	132D2	132E2	132F2	13302	13312	13322	13332	13342	13352
3	13293	132A3	132B3	132C3	132D3	132E3	132F3	13303	13313	13323	13333	13343	13353
4	13294	132A4	132B4	132C4	132D4	132E4	132F4	13304	13314	13324	13334	13344	13354
5	13295	132A5	132B5	132C5	132D5	132E5	132F5	13305	13315	13325	13335	13345	13355
6	13296	132A6	132B6	132C6	132D6	132E6	132F6	13306	13316	13326	13336	13346	13356
7	13297	132A7	132B7	132C7	132D7	132E7	132F7	13307	13317	13327	13337	13347	13357
8	13298	132A8	132B8	132C8	132D8	132E8	132F8	13308	13318	13328	13338	13348	13358
9	13299	132A9	132B9	132C9	132D9	132E9	132F9	13309	13319	13329	13339	13349	13359
A	1329A	132AA	132BA	132CA	132DA	132EA	132FA	1330A	1331A	1332A	1333A	1334A	1335A
B	1329B	132AB	132BB	132CB	132DB	132EB	132FB	1330B	1331B	1332B	1333B	1334B	1335B
C	1329C	132AC	132BC	132CC	132DC	132EC	132FC	1330C	1331C	1332C	1333C	1334C	1335C
D	1329D	132AD	132BD	132CD	132DD	132ED	132FD	1330D	1331D	1332D	1333D	1334D	1335D
E	1329E	132AE	132BE	132CE	132DE	132EE	132FE	1330E	1331E	1332E	1333E	1334E	1335E
F	1329F	132AF	132BF	132CF	132DF	132EF	132FF	1330F	1331F	1332F	1333F	1334F	1335F

	1336	1337	1338	1339	133A	133B	133C	133D	133E	133F	1340	1341	1342
0	13360	13370	13380	13390	133A0	133B0	133C0	133D0	133E0	133F0	13400	13410	13420
1	13361	13371	13381	13391	133A1	133B1	133C1	133D1	133E1	133F1	13401	13411	13421
2	13362	13372	13382	13392	133A2	133B2	133C2	133D2	133E2	133F2	13402	13412	13422
3	13363	13373	13383	13393	133A3	133B3	133C3	133D3	133E3	133F3	13403	13413	13423
4	13364	13374	13384	13394	133A4	133B4	133C4	133D4	133E4	133F4	13404	13414	13424
5	13365	13375	13385	13395	133A5	133B5	133C5	133D5	133E5	133F5	13405	13415	13425
6	13366	13376	13386	13396	133A6	133B6	133C6	133D6	133E6	133F6	13406	13416	13426
7	13367	13377	13387	13397	133A7	133B7	133C7	133D7	133E7	133F7	13407	13417	13427
8	13368	13378	13388	13398	133A8	133B8	133C8	133D8	133E8	133F8	13408	13418	13428
9	13369	13379	13389	13399	133A9	133B9	133C9	133D9	133E9	133F9	13409	13419	13429
A	1336A	1337A	1338A	1339A	133AA	133BA	133CA	133DA	133EA	133FA	1340A	1341A	1342A
B	1336B	1337B	1338B	1339B	133AB	133BB	133CB	133DB	133EB	133FB	1340B	1341B	1342B
C	1336C	1337C	1338C	1339C	133AC	133BC	133CC	133DC	133EC	133FC	1340C	1341C	1342C
D	1336D	1337D	1338D	1339D	133AD	133BD	133CD	133DD	133ED	133FD	1340D	1341D	1342D
E	1336E	1337E	1338E	1339E	133AE	133BE	133CE	133DE	133EE	133FE	1340E	1341E	1342E
F	1336F	1337F	1338F	1339F	133AF	133BF	133CF	133DF	133EF	133FF	1340F	1341F	1342F

The characters in this block are taken primarily from Alan Gardiner's works on Middle Egyptian.

### A. Man and his occupations

13000		EGYPTIAN HIEROGLYPH A001
13001		EGYPTIAN HIEROGLYPH A002
13002		EGYPTIAN HIEROGLYPH A003
13003		EGYPTIAN HIEROGLYPH A004
13004		EGYPTIAN HIEROGLYPH A005
13005		EGYPTIAN HIEROGLYPH A005A
13006		EGYPTIAN HIEROGLYPH A006
13007		EGYPTIAN HIEROGLYPH A006A
13008		EGYPTIAN HIEROGLYPH A006B
13009		EGYPTIAN HIEROGLYPH A007
1300A		EGYPTIAN HIEROGLYPH A008
1300B		EGYPTIAN HIEROGLYPH A009
1300C		EGYPTIAN HIEROGLYPH A010
1300D		EGYPTIAN HIEROGLYPH A011
1300E		EGYPTIAN HIEROGLYPH A012
1300F		EGYPTIAN HIEROGLYPH A013
13010		EGYPTIAN HIEROGLYPH A014
13011		EGYPTIAN HIEROGLYPH A014A
13012		EGYPTIAN HIEROGLYPH A015
13013		EGYPTIAN HIEROGLYPH A016
13014		EGYPTIAN HIEROGLYPH A017
13015		EGYPTIAN HIEROGLYPH A017A
13016		EGYPTIAN HIEROGLYPH A018
13017		EGYPTIAN HIEROGLYPH A019
13018		EGYPTIAN HIEROGLYPH A020
13019		EGYPTIAN HIEROGLYPH A021
1301A		EGYPTIAN HIEROGLYPH A022
1301B		EGYPTIAN HIEROGLYPH A023
1301C		EGYPTIAN HIEROGLYPH A024
1301D		EGYPTIAN HIEROGLYPH A025
1301E		EGYPTIAN HIEROGLYPH A026
1301F		EGYPTIAN HIEROGLYPH A027
13020		EGYPTIAN HIEROGLYPH A028
13021		EGYPTIAN HIEROGLYPH A029
13022		EGYPTIAN HIEROGLYPH A030
13023		EGYPTIAN HIEROGLYPH A031
13024		EGYPTIAN HIEROGLYPH A032
13025		EGYPTIAN HIEROGLYPH A032A
13026		EGYPTIAN HIEROGLYPH A033
13027		EGYPTIAN HIEROGLYPH A034
13028		EGYPTIAN HIEROGLYPH A035
13029		EGYPTIAN HIEROGLYPH A036
1302A		EGYPTIAN HIEROGLYPH A037
1302B		EGYPTIAN HIEROGLYPH A038
1302C		EGYPTIAN HIEROGLYPH A039
1302D		EGYPTIAN HIEROGLYPH A040
1302E		EGYPTIAN HIEROGLYPH A040A
1302F		EGYPTIAN HIEROGLYPH A041
13030		EGYPTIAN HIEROGLYPH A042
13031		EGYPTIAN HIEROGLYPH A042A
13032		EGYPTIAN HIEROGLYPH A043
13033		EGYPTIAN HIEROGLYPH A043A
13034		EGYPTIAN HIEROGLYPH A044
13035		EGYPTIAN HIEROGLYPH A045
13036		EGYPTIAN HIEROGLYPH A045A
13037		EGYPTIAN HIEROGLYPH A046
13038		EGYPTIAN HIEROGLYPH A047

13039		EGYPTIAN HIEROGLYPH A048
1303A		EGYPTIAN HIEROGLYPH A049
1303B		EGYPTIAN HIEROGLYPH A050
1303C		EGYPTIAN HIEROGLYPH A051
1303D		EGYPTIAN HIEROGLYPH A052
1303E		EGYPTIAN HIEROGLYPH A053
1303F		EGYPTIAN HIEROGLYPH A054
13040		EGYPTIAN HIEROGLYPH A055
13041		EGYPTIAN HIEROGLYPH A056
13042		EGYPTIAN HIEROGLYPH A057
13043		EGYPTIAN HIEROGLYPH A058
13044		EGYPTIAN HIEROGLYPH A059
13045		EGYPTIAN HIEROGLYPH A060
13046		EGYPTIAN HIEROGLYPH A061
13047		EGYPTIAN HIEROGLYPH A062
13048		EGYPTIAN HIEROGLYPH A063
13049		EGYPTIAN HIEROGLYPH A064
1304A		EGYPTIAN HIEROGLYPH A065
1304B		EGYPTIAN HIEROGLYPH A066
1304C		EGYPTIAN HIEROGLYPH A067
1304D		EGYPTIAN HIEROGLYPH A068
1304E		EGYPTIAN HIEROGLYPH A069
1304F		EGYPTIAN HIEROGLYPH A070

### B. Woman and her occupations

13050		EGYPTIAN HIEROGLYPH B001
13051		EGYPTIAN HIEROGLYPH B002
13052		EGYPTIAN HIEROGLYPH B003
13053		EGYPTIAN HIEROGLYPH B004
13054		EGYPTIAN HIEROGLYPH B005
13055		EGYPTIAN HIEROGLYPH B005A
13056		EGYPTIAN HIEROGLYPH B006
13057		EGYPTIAN HIEROGLYPH B007
13058		EGYPTIAN HIEROGLYPH B008
13059		EGYPTIAN HIEROGLYPH B009

### C. Anthropomorphic deities

1305A		EGYPTIAN HIEROGLYPH C001
1305B		EGYPTIAN HIEROGLYPH C002
1305C		EGYPTIAN HIEROGLYPH C002A
1305D		EGYPTIAN HIEROGLYPH C002B
1305E		EGYPTIAN HIEROGLYPH C002C
1305F		EGYPTIAN HIEROGLYPH C003
13060		EGYPTIAN HIEROGLYPH C004
13061		EGYPTIAN HIEROGLYPH C005
13062		EGYPTIAN HIEROGLYPH C006
13063		EGYPTIAN HIEROGLYPH C007
13064		EGYPTIAN HIEROGLYPH C008
13065		EGYPTIAN HIEROGLYPH C009
13066		EGYPTIAN HIEROGLYPH C010
13067		EGYPTIAN HIEROGLYPH C010A
13068		EGYPTIAN HIEROGLYPH C011 • 1,000,000
13069		EGYPTIAN HIEROGLYPH C012
1306A		EGYPTIAN HIEROGLYPH C013
1306B		EGYPTIAN HIEROGLYPH C014
1306C		EGYPTIAN HIEROGLYPH C015
1306D		EGYPTIAN HIEROGLYPH C016
1306E		EGYPTIAN HIEROGLYPH C017
1306F		EGYPTIAN HIEROGLYPH C018
13070		EGYPTIAN HIEROGLYPH C019
13071		EGYPTIAN HIEROGLYPH C020

13072		EGYPTIAN HIEROGLYPH C021
13073		EGYPTIAN HIEROGLYPH C022
13074		EGYPTIAN HIEROGLYPH C023
13075		EGYPTIAN HIEROGLYPH C024

**D. Parts of the human body**

13076		EGYPTIAN HIEROGLYPH D001
13077		EGYPTIAN HIEROGLYPH D002
13078		EGYPTIAN HIEROGLYPH D003
13079		EGYPTIAN HIEROGLYPH D004
1307A		EGYPTIAN HIEROGLYPH D005
1307B		EGYPTIAN HIEROGLYPH D006
1307C		EGYPTIAN HIEROGLYPH D007
1307D		EGYPTIAN HIEROGLYPH D008
1307E		EGYPTIAN HIEROGLYPH D008A
1307F		EGYPTIAN HIEROGLYPH D009
13080		EGYPTIAN HIEROGLYPH D010
13081		EGYPTIAN HIEROGLYPH D011
		• 1/2
13082		EGYPTIAN HIEROGLYPH D012
		• 1/4
13083		EGYPTIAN HIEROGLYPH D013
		• 1/8
13084		EGYPTIAN HIEROGLYPH D014
		• 1/16
13085		EGYPTIAN HIEROGLYPH D015
		• 1/32
13086		EGYPTIAN HIEROGLYPH D016
		• 1/64
13087		EGYPTIAN HIEROGLYPH D017
13088		EGYPTIAN HIEROGLYPH D018
13089		EGYPTIAN HIEROGLYPH D019
1308A		EGYPTIAN HIEROGLYPH D020
1308B		EGYPTIAN HIEROGLYPH D021
		• transliterated as r
1308C		EGYPTIAN HIEROGLYPH D022
1308D		EGYPTIAN HIEROGLYPH D023
1308E		EGYPTIAN HIEROGLYPH D024
1308F		EGYPTIAN HIEROGLYPH D025
13090		EGYPTIAN HIEROGLYPH D026
13091		EGYPTIAN HIEROGLYPH D027
13092		EGYPTIAN HIEROGLYPH D027A
13093		EGYPTIAN HIEROGLYPH D028
13094		EGYPTIAN HIEROGLYPH D029
13095		EGYPTIAN HIEROGLYPH D030
13096		EGYPTIAN HIEROGLYPH D031
13097		EGYPTIAN HIEROGLYPH D031A
13098		EGYPTIAN HIEROGLYPH D032
13099		EGYPTIAN HIEROGLYPH D033
1309A		EGYPTIAN HIEROGLYPH D034
1309B		EGYPTIAN HIEROGLYPH D034A
1309C		EGYPTIAN HIEROGLYPH D035
1309D		EGYPTIAN HIEROGLYPH D036
		• transliterated as A725 c
		→ 05E2 ׃ hebrew letter ayin
		→ 0639 ع arabic letter ain
1309E		EGYPTIAN HIEROGLYPH D037
1309F		EGYPTIAN HIEROGLYPH D038
130A0		EGYPTIAN HIEROGLYPH D039
130A1		EGYPTIAN HIEROGLYPH D040
130A2		EGYPTIAN HIEROGLYPH D041
130A3		EGYPTIAN HIEROGLYPH D042

130A4		EGYPTIAN HIEROGLYPH D043
130A5		EGYPTIAN HIEROGLYPH D044
130A6		EGYPTIAN HIEROGLYPH D045
130A7		EGYPTIAN HIEROGLYPH D046
		• transliterated as d
130A8		EGYPTIAN HIEROGLYPH D046A
130A9		EGYPTIAN HIEROGLYPH D047
130AA		EGYPTIAN HIEROGLYPH D048
130AB		EGYPTIAN HIEROGLYPH D048A
130AC		EGYPTIAN HIEROGLYPH D049
130AD		EGYPTIAN HIEROGLYPH D050
		• 10,000
130AE		EGYPTIAN HIEROGLYPH D050A
		• 20,000
130AF		EGYPTIAN HIEROGLYPH D050B
		• 30,000
130B0		EGYPTIAN HIEROGLYPH D050C
		• 40,000
130B1		EGYPTIAN HIEROGLYPH D050D
		• 50,000
130B2		EGYPTIAN HIEROGLYPH D050E
		• 60,000
130B3		EGYPTIAN HIEROGLYPH D050F
		• 70,000
130B4		EGYPTIAN HIEROGLYPH D050G
		• 80,000
130B5		EGYPTIAN HIEROGLYPH D050H
		• 90,000
130B6		EGYPTIAN HIEROGLYPH D050I
		• 50,000
130B7		EGYPTIAN HIEROGLYPH D051
130B8		EGYPTIAN HIEROGLYPH D052
130B9		EGYPTIAN HIEROGLYPH D052A
130BA		EGYPTIAN HIEROGLYPH D053
130BB		EGYPTIAN HIEROGLYPH D054
130BC		EGYPTIAN HIEROGLYPH D054A
130BD		EGYPTIAN HIEROGLYPH D055
130BE		EGYPTIAN HIEROGLYPH D056
130BF		EGYPTIAN HIEROGLYPH D057
130C0		EGYPTIAN HIEROGLYPH D058
		• transliterated as b
130C1		EGYPTIAN HIEROGLYPH D059
130C2		EGYPTIAN HIEROGLYPH D060
130C3		EGYPTIAN HIEROGLYPH D061
130C4		EGYPTIAN HIEROGLYPH D062
130C5		EGYPTIAN HIEROGLYPH D063
130C6		EGYPTIAN HIEROGLYPH D064
130C7		EGYPTIAN HIEROGLYPH D065
130C8		EGYPTIAN HIEROGLYPH D066
130C9		EGYPTIAN HIEROGLYPH D067
		• 1 heqat measure
130CA		EGYPTIAN HIEROGLYPH D067A
		• 2 heqat measures
130CB		EGYPTIAN HIEROGLYPH D067B
		• 3 heqat measures
130CC		EGYPTIAN HIEROGLYPH D067C
		• 4 heqat measures
130CD		EGYPTIAN HIEROGLYPH D067D
		• 5 heqat measures
130CE		EGYPTIAN HIEROGLYPH D067E
		• 6 heqat measures

130CF		EGYPTIAN HIEROGLYPH D067F • 7 heqat measures
130D0		EGYPTIAN HIEROGLYPH D067G • 8 heqat measures
130D1		EGYPTIAN HIEROGLYPH D067H • 9 heqat measures

**E. Mammals**

130D2		EGYPTIAN HIEROGLYPH E001
130D3		EGYPTIAN HIEROGLYPH E002
130D4		EGYPTIAN HIEROGLYPH E003
130D5		EGYPTIAN HIEROGLYPH E004
130D6		EGYPTIAN HIEROGLYPH E005
130D7		EGYPTIAN HIEROGLYPH E006
130D8		EGYPTIAN HIEROGLYPH E007
130D9		EGYPTIAN HIEROGLYPH E008
130DA		EGYPTIAN HIEROGLYPH E008A
130DB		EGYPTIAN HIEROGLYPH E009
130DC		EGYPTIAN HIEROGLYPH E009A
130DD		EGYPTIAN HIEROGLYPH E010
130DE		EGYPTIAN HIEROGLYPH E011
130DF		EGYPTIAN HIEROGLYPH E012
130E0		EGYPTIAN HIEROGLYPH E013
130E1		EGYPTIAN HIEROGLYPH E014
130E2		EGYPTIAN HIEROGLYPH E015
130E3		EGYPTIAN HIEROGLYPH E016
130E4		EGYPTIAN HIEROGLYPH E016A
130E5		EGYPTIAN HIEROGLYPH E017
130E6		EGYPTIAN HIEROGLYPH E017A
130E7		EGYPTIAN HIEROGLYPH E018
130E8		EGYPTIAN HIEROGLYPH E019
130E9		EGYPTIAN HIEROGLYPH E020
130EA		EGYPTIAN HIEROGLYPH E020A
130EB		EGYPTIAN HIEROGLYPH E021
130EC		EGYPTIAN HIEROGLYPH E022
130ED		EGYPTIAN HIEROGLYPH E023
130EE		EGYPTIAN HIEROGLYPH E024
130EF		EGYPTIAN HIEROGLYPH E025
130F0		EGYPTIAN HIEROGLYPH E026
130F1		EGYPTIAN HIEROGLYPH E027
130F2		EGYPTIAN HIEROGLYPH E028
130F3		EGYPTIAN HIEROGLYPH E028A
130F4		EGYPTIAN HIEROGLYPH E029
130F5		EGYPTIAN HIEROGLYPH E030
130F6		EGYPTIAN HIEROGLYPH E031
130F7		EGYPTIAN HIEROGLYPH E032
130F8		EGYPTIAN HIEROGLYPH E033
130F9		EGYPTIAN HIEROGLYPH E034
130FA		EGYPTIAN HIEROGLYPH E034A
130FB		EGYPTIAN HIEROGLYPH E036
130FC		EGYPTIAN HIEROGLYPH E037
130FD		EGYPTIAN HIEROGLYPH E038

**F. Parts of mammals**

130FE		EGYPTIAN HIEROGLYPH F001
130FF		EGYPTIAN HIEROGLYPH F001A
13100		EGYPTIAN HIEROGLYPH F002
13101		EGYPTIAN HIEROGLYPH F003
13102		EGYPTIAN HIEROGLYPH F004
13103		EGYPTIAN HIEROGLYPH F005
13104		EGYPTIAN HIEROGLYPH F006
13105		EGYPTIAN HIEROGLYPH F007

13106		EGYPTIAN HIEROGLYPH F008
13107		EGYPTIAN HIEROGLYPH F009
13108		EGYPTIAN HIEROGLYPH F010
13109		EGYPTIAN HIEROGLYPH F011
1310A		EGYPTIAN HIEROGLYPH F012
1310B		EGYPTIAN HIEROGLYPH F013
1310C		EGYPTIAN HIEROGLYPH F013A
1310D		EGYPTIAN HIEROGLYPH F014
1310E		EGYPTIAN HIEROGLYPH F015
1310F		EGYPTIAN HIEROGLYPH F016
13110		EGYPTIAN HIEROGLYPH F017
13111		EGYPTIAN HIEROGLYPH F018
13112		EGYPTIAN HIEROGLYPH F019
13113		EGYPTIAN HIEROGLYPH F020
13114		EGYPTIAN HIEROGLYPH F021
13115		EGYPTIAN HIEROGLYPH F021A
13116		EGYPTIAN HIEROGLYPH F022
13117		EGYPTIAN HIEROGLYPH F023
13118		EGYPTIAN HIEROGLYPH F024
13119		EGYPTIAN HIEROGLYPH F025
1311A		EGYPTIAN HIEROGLYPH F026
1311B		EGYPTIAN HIEROGLYPH F027
1311C		EGYPTIAN HIEROGLYPH F028
1311D		EGYPTIAN HIEROGLYPH F029
1311E		EGYPTIAN HIEROGLYPH F030
1311F		EGYPTIAN HIEROGLYPH F031
13120		EGYPTIAN HIEROGLYPH F031A
13121		EGYPTIAN HIEROGLYPH F032 • transliterated as 1E96
13122		EGYPTIAN HIEROGLYPH F033
13123		EGYPTIAN HIEROGLYPH F034
13124		EGYPTIAN HIEROGLYPH F035
13125		EGYPTIAN HIEROGLYPH F036
13126		EGYPTIAN HIEROGLYPH F037
13127		EGYPTIAN HIEROGLYPH F037A
13128		EGYPTIAN HIEROGLYPH F038
13129		EGYPTIAN HIEROGLYPH F038A
1312A		EGYPTIAN HIEROGLYPH F039
1312B		EGYPTIAN HIEROGLYPH F040
1312C		EGYPTIAN HIEROGLYPH F041
1312D		EGYPTIAN HIEROGLYPH F042
1312E		EGYPTIAN HIEROGLYPH F043
1312F		EGYPTIAN HIEROGLYPH F044
13130		EGYPTIAN HIEROGLYPH F045
13131		EGYPTIAN HIEROGLYPH F045A
13132		EGYPTIAN HIEROGLYPH F046
13133		EGYPTIAN HIEROGLYPH F046A
13134		EGYPTIAN HIEROGLYPH F047
13135		EGYPTIAN HIEROGLYPH F047A
13136		EGYPTIAN HIEROGLYPH F048
13137		EGYPTIAN HIEROGLYPH F049
13138		EGYPTIAN HIEROGLYPH F050
13139		EGYPTIAN HIEROGLYPH F051
1313A		EGYPTIAN HIEROGLYPH F051A
1313B		EGYPTIAN HIEROGLYPH F051B
1313C		EGYPTIAN HIEROGLYPH F051C
1313D		EGYPTIAN HIEROGLYPH F052
1313E		EGYPTIAN HIEROGLYPH F053

**G. Birds**

1313F		EGYPTIAN HIEROGLYPH G001 • transliterated as A723 ʒ → 05D0 א hebrew letter alef → 0623 ا arabic letter alef with hamza above
13140		EGYPTIAN HIEROGLYPH G002
13141		EGYPTIAN HIEROGLYPH G003
13142		EGYPTIAN HIEROGLYPH G004
13143		EGYPTIAN HIEROGLYPH G005
13144		EGYPTIAN HIEROGLYPH G006
13145		EGYPTIAN HIEROGLYPH G006A
13146		EGYPTIAN HIEROGLYPH G007
13147		EGYPTIAN HIEROGLYPH G007A
13148		EGYPTIAN HIEROGLYPH G007B
13149		EGYPTIAN HIEROGLYPH G008
1314A		EGYPTIAN HIEROGLYPH G009
1314B		EGYPTIAN HIEROGLYPH G010
1314C		EGYPTIAN HIEROGLYPH G011
1314D		EGYPTIAN HIEROGLYPH G011A
1314E		EGYPTIAN HIEROGLYPH G012
1314F		EGYPTIAN HIEROGLYPH G013
13150		EGYPTIAN HIEROGLYPH G014
13151		EGYPTIAN HIEROGLYPH G015
13152		EGYPTIAN HIEROGLYPH G016
13153		EGYPTIAN HIEROGLYPH G017 • transliterated as m
13154		EGYPTIAN HIEROGLYPH G018
13155		EGYPTIAN HIEROGLYPH G019
13156		EGYPTIAN HIEROGLYPH G020
13157		EGYPTIAN HIEROGLYPH G020A
13158		EGYPTIAN HIEROGLYPH G021
13159		EGYPTIAN HIEROGLYPH G022
1315A		EGYPTIAN HIEROGLYPH G023
1315B		EGYPTIAN HIEROGLYPH G024
1315C		EGYPTIAN HIEROGLYPH G025
1315D		EGYPTIAN HIEROGLYPH G026
1315E		EGYPTIAN HIEROGLYPH G026A
1315F		EGYPTIAN HIEROGLYPH G027
13160		EGYPTIAN HIEROGLYPH G028
13161		EGYPTIAN HIEROGLYPH G029
13162		EGYPTIAN HIEROGLYPH G030
13163		EGYPTIAN HIEROGLYPH G031
13164		EGYPTIAN HIEROGLYPH G032
13165		EGYPTIAN HIEROGLYPH G033
13166		EGYPTIAN HIEROGLYPH G034
13167		EGYPTIAN HIEROGLYPH G035
13168		EGYPTIAN HIEROGLYPH G036
13169		EGYPTIAN HIEROGLYPH G036A
1316A		EGYPTIAN HIEROGLYPH G037
1316B		EGYPTIAN HIEROGLYPH G037A
1316C		EGYPTIAN HIEROGLYPH G038
1316D		EGYPTIAN HIEROGLYPH G039
1316E		EGYPTIAN HIEROGLYPH G040
1316F		EGYPTIAN HIEROGLYPH G041
13170		EGYPTIAN HIEROGLYPH G042
13171		EGYPTIAN HIEROGLYPH G043 • transliterated as w
13172		EGYPTIAN HIEROGLYPH G043A
13173		EGYPTIAN HIEROGLYPH G044
13174		EGYPTIAN HIEROGLYPH G045
13175		EGYPTIAN HIEROGLYPH G045A

13176		EGYPTIAN HIEROGLYPH G046
13177		EGYPTIAN HIEROGLYPH G047
13178		EGYPTIAN HIEROGLYPH G048
13179		EGYPTIAN HIEROGLYPH G049
1317A		EGYPTIAN HIEROGLYPH G050
1317B		EGYPTIAN HIEROGLYPH G051
1317C		EGYPTIAN HIEROGLYPH G052
1317D		EGYPTIAN HIEROGLYPH G053
1317E		EGYPTIAN HIEROGLYPH G054

**H. Parts of birds**

1317F		EGYPTIAN HIEROGLYPH H001
13180		EGYPTIAN HIEROGLYPH H002
13181		EGYPTIAN HIEROGLYPH H003
13182		EGYPTIAN HIEROGLYPH H004
13183		EGYPTIAN HIEROGLYPH H005
13184		EGYPTIAN HIEROGLYPH H006
13185		EGYPTIAN HIEROGLYPH H006A
13186		EGYPTIAN HIEROGLYPH H007
13187		EGYPTIAN HIEROGLYPH H008

**I. Amphibious animals, reptiles, etc.**

13188		EGYPTIAN HIEROGLYPH I001
13189		EGYPTIAN HIEROGLYPH I002
1318A		EGYPTIAN HIEROGLYPH I003
1318B		EGYPTIAN HIEROGLYPH I004
1318C		EGYPTIAN HIEROGLYPH I005
1318D		EGYPTIAN HIEROGLYPH I005A
1318E		EGYPTIAN HIEROGLYPH I006
1318F		EGYPTIAN HIEROGLYPH I007
13190		EGYPTIAN HIEROGLYPH I008 • 100,000
13191		EGYPTIAN HIEROGLYPH I009 • transliterated as f
13192		EGYPTIAN HIEROGLYPH I009A
13193		EGYPTIAN HIEROGLYPH I010 • transliterated as 1E0F d
13194		EGYPTIAN HIEROGLYPH I010A
13195		EGYPTIAN HIEROGLYPH I011
13196		EGYPTIAN HIEROGLYPH I011A
13197		EGYPTIAN HIEROGLYPH I012
13198		EGYPTIAN HIEROGLYPH I013
13199		EGYPTIAN HIEROGLYPH I014
1319A		EGYPTIAN HIEROGLYPH I015




**K. Fishes and parts of fishes**

1319B		EGYPTIAN HIEROGLYPH K001
1319C		EGYPTIAN HIEROGLYPH K002
1319D		EGYPTIAN HIEROGLYPH K003
1319E		EGYPTIAN HIEROGLYPH K004
1319F		EGYPTIAN HIEROGLYPH K005
131A0		EGYPTIAN HIEROGLYPH K006
131A1		EGYPTIAN HIEROGLYPH K007
131A2		EGYPTIAN HIEROGLYPH K008

**L. Invertebrata and lesser animals**

















131A3		EGYPTIAN HIEROGLYPH L001
131A4		EGYPTIAN HIEROGLYPH L002
131A5		EGYPTIAN HIEROGLYPH L002A
131A6		EGYPTIAN HIEROGLYPH L003
131A7		EGYPTIAN HIEROGLYPH L004
131A8		EGYPTIAN HIEROGLYPH L005
131A9		EGYPTIAN HIEROGLYPH L006



- 131AA  EGYPTIAN HIEROGLYPH L006A  
 131AB  EGYPTIAN HIEROGLYPH L007  
 131AC  EGYPTIAN HIEROGLYPH L008

**M. Trees and plants**

- 131AD  EGYPTIAN HIEROGLYPH M001  
 131AE  EGYPTIAN HIEROGLYPH M001A  
 131AF  EGYPTIAN HIEROGLYPH M001B  
 131B0  EGYPTIAN HIEROGLYPH M002  
 131B1  EGYPTIAN HIEROGLYPH M003  
 131B2  EGYPTIAN HIEROGLYPH M003A  
 131B3  EGYPTIAN HIEROGLYPH M004  
 131B4  EGYPTIAN HIEROGLYPH M005  
 131B5  EGYPTIAN HIEROGLYPH M006  
 131B6  EGYPTIAN HIEROGLYPH M007  
 131B7  EGYPTIAN HIEROGLYPH M008  
 131B8  EGYPTIAN HIEROGLYPH M009  
 131B9  EGYPTIAN HIEROGLYPH M010  
 131BA  EGYPTIAN HIEROGLYPH M010A  
 131BB  EGYPTIAN HIEROGLYPH M011  
 131BC  EGYPTIAN HIEROGLYPH M012  
 • 1,000  
 131BD  EGYPTIAN HIEROGLYPH M012A  
 • 2,000  
 131BE  EGYPTIAN HIEROGLYPH M012B  
 • 3,000  
 131BF  EGYPTIAN HIEROGLYPH M012C  
 • 4,000  
 131C0  EGYPTIAN HIEROGLYPH M012D  
 • 5,000  
 131C1  EGYPTIAN HIEROGLYPH M012E  
 • 6,000  
 131C2  EGYPTIAN HIEROGLYPH M012F  
 • 7,000  
 131C3  EGYPTIAN HIEROGLYPH M012G  
 • 8,000  
 131C4  EGYPTIAN HIEROGLYPH M012H  
 • 9,000  
 131C5  EGYPTIAN HIEROGLYPH M013  
 131C6  EGYPTIAN HIEROGLYPH M014  
 131C7  EGYPTIAN HIEROGLYPH M015  
 131C8  EGYPTIAN HIEROGLYPH M015A  
 131C9  EGYPTIAN HIEROGLYPH M016  
 131CA  EGYPTIAN HIEROGLYPH M016A  
 131CB  EGYPTIAN HIEROGLYPH M017  
 • yod  
 → 05D9 י hebrew letter yod  
 → 064A ي arabic letter yeh  
 131CC  EGYPTIAN HIEROGLYPH M017A  
 • transliterated as y  
 → 133ED 𓆎 egyptian hieroglyph z004  
 131CD  EGYPTIAN HIEROGLYPH M018  
 131CE  EGYPTIAN HIEROGLYPH M019  
 131CF  EGYPTIAN HIEROGLYPH M020  
 131D0  EGYPTIAN HIEROGLYPH M021  
 131D1  EGYPTIAN HIEROGLYPH M022  
 131D2  EGYPTIAN HIEROGLYPH M022A  
 131D3  EGYPTIAN HIEROGLYPH M023  
 131D4  EGYPTIAN HIEROGLYPH M024  
 131D5  EGYPTIAN HIEROGLYPH M024A  
 131D6  EGYPTIAN HIEROGLYPH M025  
 131D7  EGYPTIAN HIEROGLYPH M026

- 131D8  EGYPTIAN HIEROGLYPH M027  
 131D9  EGYPTIAN HIEROGLYPH M028  
 131DA  EGYPTIAN HIEROGLYPH M028A  
 131DB  EGYPTIAN HIEROGLYPH M029  
 131DC  EGYPTIAN HIEROGLYPH M030  
 131DD  EGYPTIAN HIEROGLYPH M031  
 131DE  EGYPTIAN HIEROGLYPH M031A  
 131DF  EGYPTIAN HIEROGLYPH M032  
 131E0  EGYPTIAN HIEROGLYPH M033  
 131E1  EGYPTIAN HIEROGLYPH M033A  
 131E2  EGYPTIAN HIEROGLYPH M033B  
 131E3  EGYPTIAN HIEROGLYPH M034  
 131E4  EGYPTIAN HIEROGLYPH M035  
 131E5  EGYPTIAN HIEROGLYPH M036  
 131E6  EGYPTIAN HIEROGLYPH M037  
 131E7  EGYPTIAN HIEROGLYPH M038  
 131E8  EGYPTIAN HIEROGLYPH M039  
 131E9  EGYPTIAN HIEROGLYPH M040  
 131EA  EGYPTIAN HIEROGLYPH M040A  
 131EB  EGYPTIAN HIEROGLYPH M041  
 131EC  EGYPTIAN HIEROGLYPH M042  
 131ED  EGYPTIAN HIEROGLYPH M043  
 131EE  EGYPTIAN HIEROGLYPH M044

**N. Sky, earth, water**

- 131EF  EGYPTIAN HIEROGLYPH N001  
 131F0  EGYPTIAN HIEROGLYPH N002  
 131F1  EGYPTIAN HIEROGLYPH N003  
 131F2  EGYPTIAN HIEROGLYPH N004  
 131F3  EGYPTIAN HIEROGLYPH N005  
 131F4  EGYPTIAN HIEROGLYPH N006  
 131F5  EGYPTIAN HIEROGLYPH N007  
 131F6  EGYPTIAN HIEROGLYPH N008  
 131F7  EGYPTIAN HIEROGLYPH N009  
 131F8  EGYPTIAN HIEROGLYPH N010  
 131F9  EGYPTIAN HIEROGLYPH N011  
 131FA  EGYPTIAN HIEROGLYPH N012  
 131FB  EGYPTIAN HIEROGLYPH N013  
 131FC  EGYPTIAN HIEROGLYPH N014  
 131FD  EGYPTIAN HIEROGLYPH N015  
 131FE  EGYPTIAN HIEROGLYPH N016  
 131FF  EGYPTIAN HIEROGLYPH N017  
 13200  EGYPTIAN HIEROGLYPH N018  
 13201  EGYPTIAN HIEROGLYPH N018A  
 13202  EGYPTIAN HIEROGLYPH N018B  
 13203  EGYPTIAN HIEROGLYPH N019  
 13204  EGYPTIAN HIEROGLYPH N020  
 13205  EGYPTIAN HIEROGLYPH N021  
 13206  EGYPTIAN HIEROGLYPH N022  
 13207  EGYPTIAN HIEROGLYPH N023  
 13208  EGYPTIAN HIEROGLYPH N024  
 13209  EGYPTIAN HIEROGLYPH N025  
 1320A  EGYPTIAN HIEROGLYPH N025A  
 1320B  EGYPTIAN HIEROGLYPH N026  
 1320C  EGYPTIAN HIEROGLYPH N027  
 1320D  EGYPTIAN HIEROGLYPH N028  
 1320E  EGYPTIAN HIEROGLYPH N029  
 • transliterated as q or as 1E33 𓆑  
 → 05E7 𓆑 hebrew letter qof  
 → 0642 ق arabic letter qaf  
 1320F  EGYPTIAN HIEROGLYPH N030  
 13210  EGYPTIAN HIEROGLYPH N031

13211		EGYPTIAN HIEROGLYPH N032
13212		EGYPTIAN HIEROGLYPH N033
13213		EGYPTIAN HIEROGLYPH N033A
13214		EGYPTIAN HIEROGLYPH N034
13215		EGYPTIAN HIEROGLYPH N034A
13216		EGYPTIAN HIEROGLYPH N035
		• transliterated as n
13217		EGYPTIAN HIEROGLYPH N035A
13218		EGYPTIAN HIEROGLYPH N036
13219		EGYPTIAN HIEROGLYPH N037
		• transliterated as 0161 š
1321A		EGYPTIAN HIEROGLYPH N037A
1321B		EGYPTIAN HIEROGLYPH N038
1321C		EGYPTIAN HIEROGLYPH N039
1321D		EGYPTIAN HIEROGLYPH N040
1321E		EGYPTIAN HIEROGLYPH N041
1321F		EGYPTIAN HIEROGLYPH N042

**NL. Nomes of Lower Egypt**

13220		EGYPTIAN HIEROGLYPH NL001
13221		EGYPTIAN HIEROGLYPH NL002
13222		EGYPTIAN HIEROGLYPH NL003
13223		EGYPTIAN HIEROGLYPH NL004
13224		EGYPTIAN HIEROGLYPH NL005
13225		EGYPTIAN HIEROGLYPH NL005A
13226		EGYPTIAN HIEROGLYPH NL006
13227		EGYPTIAN HIEROGLYPH NL007
13228		EGYPTIAN HIEROGLYPH NL008
13229		EGYPTIAN HIEROGLYPH NL009
1322A		EGYPTIAN HIEROGLYPH NL010
1322B		EGYPTIAN HIEROGLYPH NL011
1322C		EGYPTIAN HIEROGLYPH NL012
1322D		EGYPTIAN HIEROGLYPH NL013
1322E		EGYPTIAN HIEROGLYPH NL014
1322F		EGYPTIAN HIEROGLYPH NL015
13230		EGYPTIAN HIEROGLYPH NL016
13231		EGYPTIAN HIEROGLYPH NL017
13232		EGYPTIAN HIEROGLYPH NL017A
13233		EGYPTIAN HIEROGLYPH NL018
13234		EGYPTIAN HIEROGLYPH NL019
13235		EGYPTIAN HIEROGLYPH NL020

**NU. Nomes of Upper Egypt**

13236		EGYPTIAN HIEROGLYPH NU001
13237		EGYPTIAN HIEROGLYPH NU002
13238		EGYPTIAN HIEROGLYPH NU003
13239		EGYPTIAN HIEROGLYPH NU004
1323A		EGYPTIAN HIEROGLYPH NU005
1323B		EGYPTIAN HIEROGLYPH NU006
1323C		EGYPTIAN HIEROGLYPH NU007
1323D		EGYPTIAN HIEROGLYPH NU008
1323E		EGYPTIAN HIEROGLYPH NU009
1323F		EGYPTIAN HIEROGLYPH NU010
13240		EGYPTIAN HIEROGLYPH NU010A
13241		EGYPTIAN HIEROGLYPH NU011
13242		EGYPTIAN HIEROGLYPH NU011A
13243		EGYPTIAN HIEROGLYPH NU012
13244		EGYPTIAN HIEROGLYPH NU013
13245		EGYPTIAN HIEROGLYPH NU014
13246		EGYPTIAN HIEROGLYPH NU015
13247		EGYPTIAN HIEROGLYPH NU016
13248		EGYPTIAN HIEROGLYPH NU017

13249		EGYPTIAN HIEROGLYPH NU018
1324A		EGYPTIAN HIEROGLYPH NU018A
1324B		EGYPTIAN HIEROGLYPH NU019
1324C		EGYPTIAN HIEROGLYPH NU020
1324D		EGYPTIAN HIEROGLYPH NU021
1324E		EGYPTIAN HIEROGLYPH NU022
1324F		EGYPTIAN HIEROGLYPH NU022A

**O. Buildings, parts of buildings, etc.**

13250		EGYPTIAN HIEROGLYPH O001
13251		EGYPTIAN HIEROGLYPH O001A
13252		EGYPTIAN HIEROGLYPH O002
13253		EGYPTIAN HIEROGLYPH O003
13254		EGYPTIAN HIEROGLYPH O004
		• transliterated as h
		→ 05D4 ה hebrew letter he
		→ 0647 ه arabic letter heh
13255		EGYPTIAN HIEROGLYPH O005
13256		EGYPTIAN HIEROGLYPH O005A
13257		EGYPTIAN HIEROGLYPH O006
13258		EGYPTIAN HIEROGLYPH O006A
		• beginning of hwt or serekh enclosure
		→ 13282 𓏏 egyptian hieroglyph o033a
13259		EGYPTIAN HIEROGLYPH O006B
		• beginning of low hwt enclosure
1325A		EGYPTIAN HIEROGLYPH O006C
		• beginning of high hwt enclosure
1325B		EGYPTIAN HIEROGLYPH O006D
		• end of high hwt enclosure
1325C		EGYPTIAN HIEROGLYPH O006E
		• end of low hwt enclosure
1325D		EGYPTIAN HIEROGLYPH O006F
		• end of hwt enclosure
1325E		EGYPTIAN HIEROGLYPH O007
1325F		EGYPTIAN HIEROGLYPH O008
13260		EGYPTIAN HIEROGLYPH O009
13261		EGYPTIAN HIEROGLYPH O010
13262		EGYPTIAN HIEROGLYPH O010A
13263		EGYPTIAN HIEROGLYPH O010B
13264		EGYPTIAN HIEROGLYPH O010C
13265		EGYPTIAN HIEROGLYPH O011
13266		EGYPTIAN HIEROGLYPH O012
13267		EGYPTIAN HIEROGLYPH O013
13268		EGYPTIAN HIEROGLYPH O014
13269		EGYPTIAN HIEROGLYPH O015
1326A		EGYPTIAN HIEROGLYPH O016
1326B		EGYPTIAN HIEROGLYPH O017
1326C		EGYPTIAN HIEROGLYPH O018
1326D		EGYPTIAN HIEROGLYPH O019
1326E		EGYPTIAN HIEROGLYPH O019A
1326F		EGYPTIAN HIEROGLYPH O020
13270		EGYPTIAN HIEROGLYPH O020A
13271		EGYPTIAN HIEROGLYPH O021
13272		EGYPTIAN HIEROGLYPH O022
13273		EGYPTIAN HIEROGLYPH O023
13274		EGYPTIAN HIEROGLYPH O024
13275		EGYPTIAN HIEROGLYPH O024A
13276		EGYPTIAN HIEROGLYPH O025
13277		EGYPTIAN HIEROGLYPH O025A
13278		EGYPTIAN HIEROGLYPH O026
13279		EGYPTIAN HIEROGLYPH O027
1327A		EGYPTIAN HIEROGLYPH O028

1327B		EGYPTIAN HIEROGLYPH O029
1327C		EGYPTIAN HIEROGLYPH O029A
1327D		EGYPTIAN HIEROGLYPH O030
1327E		EGYPTIAN HIEROGLYPH O030A
1327F		EGYPTIAN HIEROGLYPH O031
13280		EGYPTIAN HIEROGLYPH O032
13281		EGYPTIAN HIEROGLYPH O033
13282		EGYPTIAN HIEROGLYPH O033A
		• end of serekh enclosure → 13258
13283		EGYPTIAN HIEROGLYPH O034
		• transliterated as s or as z → 132F4
13284		EGYPTIAN HIEROGLYPH O035
13285		EGYPTIAN HIEROGLYPH O036
13286		EGYPTIAN HIEROGLYPH O036A
		• beginning of fortified wall cartouche
13287		EGYPTIAN HIEROGLYPH O036B
		• end of fortified wall cartouche
13288		EGYPTIAN HIEROGLYPH O036C
		• beginning of fortified wall enclosure
13289		EGYPTIAN HIEROGLYPH O036D
		• end of fortified wall enclosure
1328A		EGYPTIAN HIEROGLYPH O037
1328B		EGYPTIAN HIEROGLYPH O038
1328C		EGYPTIAN HIEROGLYPH O039
1328D		EGYPTIAN HIEROGLYPH O040
1328E		EGYPTIAN HIEROGLYPH O041
1328F		EGYPTIAN HIEROGLYPH O042
13290		EGYPTIAN HIEROGLYPH O043
13291		EGYPTIAN HIEROGLYPH O044
13292		EGYPTIAN HIEROGLYPH O045
13293		EGYPTIAN HIEROGLYPH O046
13294		EGYPTIAN HIEROGLYPH O047
13295		EGYPTIAN HIEROGLYPH O048
13296		EGYPTIAN HIEROGLYPH O049
13297		EGYPTIAN HIEROGLYPH O050
13298		EGYPTIAN HIEROGLYPH O050A
13299		EGYPTIAN HIEROGLYPH O050B
1329A		EGYPTIAN HIEROGLYPH O051

**P. Ships and parts of ships**

1329B		EGYPTIAN HIEROGLYPH P001
1329C		EGYPTIAN HIEROGLYPH P001A
1329D		EGYPTIAN HIEROGLYPH P002
1329E		EGYPTIAN HIEROGLYPH P003
1329F		EGYPTIAN HIEROGLYPH P003A
132A0		EGYPTIAN HIEROGLYPH P004
132A1		EGYPTIAN HIEROGLYPH P005
132A2		EGYPTIAN HIEROGLYPH P006
132A3		EGYPTIAN HIEROGLYPH P007
132A4		EGYPTIAN HIEROGLYPH P008
132A5		EGYPTIAN HIEROGLYPH P009
132A6		EGYPTIAN HIEROGLYPH P010
132A7		EGYPTIAN HIEROGLYPH P011

**Q. Domestic and funerary furniture**

132A8		EGYPTIAN HIEROGLYPH Q001
132A9		EGYPTIAN HIEROGLYPH Q002
132AA		EGYPTIAN HIEROGLYPH Q003
		• transliterated as p
132AB		EGYPTIAN HIEROGLYPH Q004

132AC		EGYPTIAN HIEROGLYPH Q005
132AD		EGYPTIAN HIEROGLYPH Q006
132AE		EGYPTIAN HIEROGLYPH Q007

**R. Temple furniture and sacred emblems**

132AF		EGYPTIAN HIEROGLYPH R001
132B0		EGYPTIAN HIEROGLYPH R002
132B1		EGYPTIAN HIEROGLYPH R002A
132B2		EGYPTIAN HIEROGLYPH R003
132B3		EGYPTIAN HIEROGLYPH R003A
132B4		EGYPTIAN HIEROGLYPH R003B
132B5		EGYPTIAN HIEROGLYPH R004
132B6		EGYPTIAN HIEROGLYPH R005
132B7		EGYPTIAN HIEROGLYPH R006
132B8		EGYPTIAN HIEROGLYPH R007
132B9		EGYPTIAN HIEROGLYPH R008
132BA		EGYPTIAN HIEROGLYPH R009
132BB		EGYPTIAN HIEROGLYPH R010
132BC		EGYPTIAN HIEROGLYPH R010A
132BD		EGYPTIAN HIEROGLYPH R011
132BE		EGYPTIAN HIEROGLYPH R012
132BF		EGYPTIAN HIEROGLYPH R013
132C0		EGYPTIAN HIEROGLYPH R014
132C1		EGYPTIAN HIEROGLYPH R015
132C2		EGYPTIAN HIEROGLYPH R016
132C3		EGYPTIAN HIEROGLYPH R016A
132C4		EGYPTIAN HIEROGLYPH R017
132C5		EGYPTIAN HIEROGLYPH R018
132C6		EGYPTIAN HIEROGLYPH R019
132C7		EGYPTIAN HIEROGLYPH R020
132C8		EGYPTIAN HIEROGLYPH R021
132C9		EGYPTIAN HIEROGLYPH R022
132CA		EGYPTIAN HIEROGLYPH R023
132CB		EGYPTIAN HIEROGLYPH R024
132CC		EGYPTIAN HIEROGLYPH R025
132CD		EGYPTIAN HIEROGLYPH R026
132CE		EGYPTIAN HIEROGLYPH R027
132CF		EGYPTIAN HIEROGLYPH R028
132D0		EGYPTIAN HIEROGLYPH R029

**S. Crowns, dress, staves, etc.**

132D1		EGYPTIAN HIEROGLYPH S001
132D2		EGYPTIAN HIEROGLYPH S002
132D3		EGYPTIAN HIEROGLYPH S002A
132D4		EGYPTIAN HIEROGLYPH S003
132D5		EGYPTIAN HIEROGLYPH S004
132D6		EGYPTIAN HIEROGLYPH S005
132D7		EGYPTIAN HIEROGLYPH S006
132D8		EGYPTIAN HIEROGLYPH S006A
132D9		EGYPTIAN HIEROGLYPH S007
132DA		EGYPTIAN HIEROGLYPH S008
132DB		EGYPTIAN HIEROGLYPH S009
132DC		EGYPTIAN HIEROGLYPH S010
132DD		EGYPTIAN HIEROGLYPH S011
132DE		EGYPTIAN HIEROGLYPH S012
132DF		EGYPTIAN HIEROGLYPH S013
132E0		EGYPTIAN HIEROGLYPH S014
132E1		EGYPTIAN HIEROGLYPH S014A
132E2		EGYPTIAN HIEROGLYPH S014B
132E3		EGYPTIAN HIEROGLYPH S015
132E4		EGYPTIAN HIEROGLYPH S016
132E5		EGYPTIAN HIEROGLYPH S017

132E6		EGYPTIAN HIEROGLYPH S017A
132E7		EGYPTIAN HIEROGLYPH S018
132E8		EGYPTIAN HIEROGLYPH S019
132E9		EGYPTIAN HIEROGLYPH S020
132EA		EGYPTIAN HIEROGLYPH S021
132EB		EGYPTIAN HIEROGLYPH S022
132EC		EGYPTIAN HIEROGLYPH S023
132ED		EGYPTIAN HIEROGLYPH S024
132EE		EGYPTIAN HIEROGLYPH S025
132EF		EGYPTIAN HIEROGLYPH S026
132F0		EGYPTIAN HIEROGLYPH S026A
132F1		EGYPTIAN HIEROGLYPH S026B
132F2		EGYPTIAN HIEROGLYPH S027
132F3		EGYPTIAN HIEROGLYPH S028
132F4		EGYPTIAN HIEROGLYPH S029
		• transliterated as s or as z
		→ 13283 — egyptian hieroglyph o034
132F5		EGYPTIAN HIEROGLYPH S030
132F6		EGYPTIAN HIEROGLYPH S031
132F7		EGYPTIAN HIEROGLYPH S032
132F8		EGYPTIAN HIEROGLYPH S033
132F9		EGYPTIAN HIEROGLYPH S034
132FA		EGYPTIAN HIEROGLYPH S035
132FB		EGYPTIAN HIEROGLYPH S035A
132FC		EGYPTIAN HIEROGLYPH S036
132FD		EGYPTIAN HIEROGLYPH S037
132FE		EGYPTIAN HIEROGLYPH S038
132FF		EGYPTIAN HIEROGLYPH S039
13300		EGYPTIAN HIEROGLYPH S040
13301		EGYPTIAN HIEROGLYPH S041
13302		EGYPTIAN HIEROGLYPH S042
13303		EGYPTIAN HIEROGLYPH S043
13304		EGYPTIAN HIEROGLYPH S044
13305		EGYPTIAN HIEROGLYPH S045
13306		EGYPTIAN HIEROGLYPH S046

**T. Warfare, hunting, butchery**

13307		EGYPTIAN HIEROGLYPH T001
13308		EGYPTIAN HIEROGLYPH T002
13309		EGYPTIAN HIEROGLYPH T003
1330A		EGYPTIAN HIEROGLYPH T003A
1330B		EGYPTIAN HIEROGLYPH T004
1330C		EGYPTIAN HIEROGLYPH T005
1330D		EGYPTIAN HIEROGLYPH T006
1330E		EGYPTIAN HIEROGLYPH T007
1330F		EGYPTIAN HIEROGLYPH T007A
13310		EGYPTIAN HIEROGLYPH T008
13311		EGYPTIAN HIEROGLYPH T008A
13312		EGYPTIAN HIEROGLYPH T009
13313		EGYPTIAN HIEROGLYPH T009A
13314		EGYPTIAN HIEROGLYPH T010
13315		EGYPTIAN HIEROGLYPH T011
13316		EGYPTIAN HIEROGLYPH T011A
13317		EGYPTIAN HIEROGLYPH T012
13318		EGYPTIAN HIEROGLYPH T013
13319		EGYPTIAN HIEROGLYPH T014
1331A		EGYPTIAN HIEROGLYPH T015
1331B		EGYPTIAN HIEROGLYPH T016
1331C		EGYPTIAN HIEROGLYPH T016A
1331D		EGYPTIAN HIEROGLYPH T017
1331E		EGYPTIAN HIEROGLYPH T018
1331F		EGYPTIAN HIEROGLYPH T019

13320		EGYPTIAN HIEROGLYPH T020
13321		EGYPTIAN HIEROGLYPH T021
13322		EGYPTIAN HIEROGLYPH T022
13323		EGYPTIAN HIEROGLYPH T023
13324		EGYPTIAN HIEROGLYPH T024
13325		EGYPTIAN HIEROGLYPH T025
13326		EGYPTIAN HIEROGLYPH T026
13327		EGYPTIAN HIEROGLYPH T027
13328		EGYPTIAN HIEROGLYPH T028
13329		EGYPTIAN HIEROGLYPH T029
1332A		EGYPTIAN HIEROGLYPH T030
1332B		EGYPTIAN HIEROGLYPH T031
1332C		EGYPTIAN HIEROGLYPH T032
1332D		EGYPTIAN HIEROGLYPH T032A
1332E		EGYPTIAN HIEROGLYPH T033
1332F		EGYPTIAN HIEROGLYPH T033A
13330		EGYPTIAN HIEROGLYPH T034
13331		EGYPTIAN HIEROGLYPH T035
13332		EGYPTIAN HIEROGLYPH T036

**U. Agriculture, crafts, and professions**

13333		EGYPTIAN HIEROGLYPH U001
13334		EGYPTIAN HIEROGLYPH U002
13335		EGYPTIAN HIEROGLYPH U003
13336		EGYPTIAN HIEROGLYPH U004
13337		EGYPTIAN HIEROGLYPH U005
13338		EGYPTIAN HIEROGLYPH U006
13339		EGYPTIAN HIEROGLYPH U006A
1333A		EGYPTIAN HIEROGLYPH U006B
1333B		EGYPTIAN HIEROGLYPH U007
1333C		EGYPTIAN HIEROGLYPH U008
1333D		EGYPTIAN HIEROGLYPH U009
1333E		EGYPTIAN HIEROGLYPH U010
1333F		EGYPTIAN HIEROGLYPH U011
13340		EGYPTIAN HIEROGLYPH U012
13341		EGYPTIAN HIEROGLYPH U013
13342		EGYPTIAN HIEROGLYPH U014
13343		EGYPTIAN HIEROGLYPH U015
13344		EGYPTIAN HIEROGLYPH U016
13345		EGYPTIAN HIEROGLYPH U017
13346		EGYPTIAN HIEROGLYPH U018
13347		EGYPTIAN HIEROGLYPH U019
13348		EGYPTIAN HIEROGLYPH U020
13349		EGYPTIAN HIEROGLYPH U021
1334A		EGYPTIAN HIEROGLYPH U022
1334B		EGYPTIAN HIEROGLYPH U023
1334C		EGYPTIAN HIEROGLYPH U023A
1334D		EGYPTIAN HIEROGLYPH U024
1334E		EGYPTIAN HIEROGLYPH U025
1334F		EGYPTIAN HIEROGLYPH U026
13350		EGYPTIAN HIEROGLYPH U027
13351		EGYPTIAN HIEROGLYPH U028
13352		EGYPTIAN HIEROGLYPH U029
13353		EGYPTIAN HIEROGLYPH U029A
13354		EGYPTIAN HIEROGLYPH U030
13355		EGYPTIAN HIEROGLYPH U031
13356		EGYPTIAN HIEROGLYPH U032
13357		EGYPTIAN HIEROGLYPH U032A
13358		EGYPTIAN HIEROGLYPH U033
13359		EGYPTIAN HIEROGLYPH U034
1335A		EGYPTIAN HIEROGLYPH U035
1335B		EGYPTIAN HIEROGLYPH U036

1335C		EGYPTIAN HIEROGLYPH U037
1335D		EGYPTIAN HIEROGLYPH U038
1335E		EGYPTIAN HIEROGLYPH U039
1335F		EGYPTIAN HIEROGLYPH U040
13360		EGYPTIAN HIEROGLYPH U041
13361		EGYPTIAN HIEROGLYPH U042

**V. Rope, fiber, baskets, bags, etc.**

13362		EGYPTIAN HIEROGLYPH V001 • 100
13363		EGYPTIAN HIEROGLYPH V001A • 200
13364		EGYPTIAN HIEROGLYPH V001B • 300
13365		EGYPTIAN HIEROGLYPH V001C • 400
13366		EGYPTIAN HIEROGLYPH V001D • 500
13367		EGYPTIAN HIEROGLYPH V001E • 600
13368		EGYPTIAN HIEROGLYPH V001F • 700
13369		EGYPTIAN HIEROGLYPH V001G • 800
1336A		EGYPTIAN HIEROGLYPH V001H • 900
1336B		EGYPTIAN HIEROGLYPH V001I • 500
1336C		EGYPTIAN HIEROGLYPH V002
1336D		EGYPTIAN HIEROGLYPH V002A
1336E		EGYPTIAN HIEROGLYPH V003
1336F		EGYPTIAN HIEROGLYPH V004
13370		EGYPTIAN HIEROGLYPH V005
13371		EGYPTIAN HIEROGLYPH V006
13372		EGYPTIAN HIEROGLYPH V007
13373		EGYPTIAN HIEROGLYPH V007A
13374		EGYPTIAN HIEROGLYPH V007B
13375		EGYPTIAN HIEROGLYPH V008
13376		EGYPTIAN HIEROGLYPH V009
13377		EGYPTIAN HIEROGLYPH V010
13378		EGYPTIAN HIEROGLYPH V011
13379		EGYPTIAN HIEROGLYPH V011A • beginning of cartouche
1337A		EGYPTIAN HIEROGLYPH V011B • end of cartouche
1337B		EGYPTIAN HIEROGLYPH V011C • end of knotless cartouche
1337C		EGYPTIAN HIEROGLYPH V012
1337D		EGYPTIAN HIEROGLYPH V012A
1337E		EGYPTIAN HIEROGLYPH V012B
1337F		EGYPTIAN HIEROGLYPH V013 • transliterated as 1E6F
13380		EGYPTIAN HIEROGLYPH V014
13381		EGYPTIAN HIEROGLYPH V015
13382		EGYPTIAN HIEROGLYPH V016
13383		EGYPTIAN HIEROGLYPH V017
13384		EGYPTIAN HIEROGLYPH V018
13385		EGYPTIAN HIEROGLYPH V019
13386		EGYPTIAN HIEROGLYPH V020 • 10
13387		EGYPTIAN HIEROGLYPH V020A • 20

13388		EGYPTIAN HIEROGLYPH V020B • 30
13389		EGYPTIAN HIEROGLYPH V020C • 40
1338A		EGYPTIAN HIEROGLYPH V020D • 50
1338B		EGYPTIAN HIEROGLYPH V020E • 60
1338C		EGYPTIAN HIEROGLYPH V020F • 70
1338D		EGYPTIAN HIEROGLYPH V020G • 80
1338E		EGYPTIAN HIEROGLYPH V020H • 90
1338F		EGYPTIAN HIEROGLYPH V020I • 20
13390		EGYPTIAN HIEROGLYPH V020J • 30
13391		EGYPTIAN HIEROGLYPH V020K • 40
13392		EGYPTIAN HIEROGLYPH V020L • 50
13393		EGYPTIAN HIEROGLYPH V021
13394		EGYPTIAN HIEROGLYPH V022
13395		EGYPTIAN HIEROGLYPH V023
13396		EGYPTIAN HIEROGLYPH V023A
13397		EGYPTIAN HIEROGLYPH V024
13398		EGYPTIAN HIEROGLYPH V025
13399		EGYPTIAN HIEROGLYPH V026
1339A		EGYPTIAN HIEROGLYPH V027
1339B		EGYPTIAN HIEROGLYPH V028 • transliterated as 1E25
1339C		EGYPTIAN HIEROGLYPH V028A → 062D
1339D		EGYPTIAN HIEROGLYPH V029
1339E		EGYPTIAN HIEROGLYPH V029A
1339F		EGYPTIAN HIEROGLYPH V030
133A0		EGYPTIAN HIEROGLYPH V030A
133A1		EGYPTIAN HIEROGLYPH V031 • transliterated as k → 05DB
133A2		EGYPTIAN HIEROGLYPH V031A → 0643
133A3		EGYPTIAN HIEROGLYPH V032
133A4		EGYPTIAN HIEROGLYPH V033
133A5		EGYPTIAN HIEROGLYPH V033A
133A6		EGYPTIAN HIEROGLYPH V034
133A7		EGYPTIAN HIEROGLYPH V035
133A8		EGYPTIAN HIEROGLYPH V036
133A9		EGYPTIAN HIEROGLYPH V037
133AA		EGYPTIAN HIEROGLYPH V037A
133AB		EGYPTIAN HIEROGLYPH V038
133AC		EGYPTIAN HIEROGLYPH V039
133AD		EGYPTIAN HIEROGLYPH V040 • 10 in dates
133AE		EGYPTIAN HIEROGLYPH V040A • 20 in dates

**W. Vessels of stone and earthenware**

133AF		EGYPTIAN HIEROGLYPH W001
133B0		EGYPTIAN HIEROGLYPH W002
133B1		EGYPTIAN HIEROGLYPH W003

133B2		EGYPTIAN HIEROGLYPH W003A
133B3		EGYPTIAN HIEROGLYPH W004
133B4		EGYPTIAN HIEROGLYPH W005
133B5		EGYPTIAN HIEROGLYPH W006
133B6		EGYPTIAN HIEROGLYPH W007
133B7		EGYPTIAN HIEROGLYPH W008
133B8		EGYPTIAN HIEROGLYPH W009
133B9		EGYPTIAN HIEROGLYPH W009A
133BA		EGYPTIAN HIEROGLYPH W010
133BB		EGYPTIAN HIEROGLYPH W010A
133BC		EGYPTIAN HIEROGLYPH W011
		• transliterated as g
133BD		EGYPTIAN HIEROGLYPH W012
133BE		EGYPTIAN HIEROGLYPH W013
133BF		EGYPTIAN HIEROGLYPH W014
133C0		EGYPTIAN HIEROGLYPH W014A
133C1		EGYPTIAN HIEROGLYPH W015
133C2		EGYPTIAN HIEROGLYPH W016
133C3		EGYPTIAN HIEROGLYPH W017
133C4		EGYPTIAN HIEROGLYPH W017A
133C5		EGYPTIAN HIEROGLYPH W018
133C6		EGYPTIAN HIEROGLYPH W018A
133C7		EGYPTIAN HIEROGLYPH W019
133C8		EGYPTIAN HIEROGLYPH W020
133C9		EGYPTIAN HIEROGLYPH W021
133CA		EGYPTIAN HIEROGLYPH W022
133CB		EGYPTIAN HIEROGLYPH W023
133CC		EGYPTIAN HIEROGLYPH W024
133CD		EGYPTIAN HIEROGLYPH W024A
133CE		EGYPTIAN HIEROGLYPH W025

**X. Loaves and cakes**

133CF		EGYPTIAN HIEROGLYPH X001
		• transliterated as t
133D0		EGYPTIAN HIEROGLYPH X002
133D1		EGYPTIAN HIEROGLYPH X003
133D2		EGYPTIAN HIEROGLYPH X004
133D3		EGYPTIAN HIEROGLYPH X004A
133D4		EGYPTIAN HIEROGLYPH X004B
133D5		EGYPTIAN HIEROGLYPH X005
133D6		EGYPTIAN HIEROGLYPH X006
133D7		EGYPTIAN HIEROGLYPH X006A
133D8		EGYPTIAN HIEROGLYPH X007
133D9		EGYPTIAN HIEROGLYPH X008
133DA		EGYPTIAN HIEROGLYPH X008A

**Y. Writings, games, music**

133DB		EGYPTIAN HIEROGLYPH Y001
133DC		EGYPTIAN HIEROGLYPH Y001A
133DD		EGYPTIAN HIEROGLYPH Y002
133DE		EGYPTIAN HIEROGLYPH Y003
133DF		EGYPTIAN HIEROGLYPH Y004
133E0		EGYPTIAN HIEROGLYPH Y005
133E1		EGYPTIAN HIEROGLYPH Y006
133E2		EGYPTIAN HIEROGLYPH Y007
133E3		EGYPTIAN HIEROGLYPH Y008

**Z. Strokes, signs derived from Hieratic, geometrical figures**

133E4		EGYPTIAN HIEROGLYPH Z001
		→ 133FA

133E5		EGYPTIAN HIEROGLYPH Z002
		• plurality
		→ 133FC
133E6		EGYPTIAN HIEROGLYPH Z002A
133E7		EGYPTIAN HIEROGLYPH Z002B
133E8		EGYPTIAN HIEROGLYPH Z002C
133E9		EGYPTIAN HIEROGLYPH Z002D
133EA		EGYPTIAN HIEROGLYPH Z003
133EB		EGYPTIAN HIEROGLYPH Z003A
133EC		EGYPTIAN HIEROGLYPH Z003B
		• 3
133ED		EGYPTIAN HIEROGLYPH Z004
		• duality
		• transliterated as y
		→ 131CC
133EE		EGYPTIAN HIEROGLYPH Z004A
		• duality
		→ 133FB
133EF		EGYPTIAN HIEROGLYPH Z005
133F0		EGYPTIAN HIEROGLYPH Z005A
133F1		EGYPTIAN HIEROGLYPH Z006
133F2		EGYPTIAN HIEROGLYPH Z007
133F3		EGYPTIAN HIEROGLYPH Z008
133F4		EGYPTIAN HIEROGLYPH Z009
133F5		EGYPTIAN HIEROGLYPH Z010
133F6		EGYPTIAN HIEROGLYPH Z011
133F7		EGYPTIAN HIEROGLYPH Z012
133F8		EGYPTIAN HIEROGLYPH Z013
133F9		EGYPTIAN HIEROGLYPH Z014
133FA		EGYPTIAN HIEROGLYPH Z015
		• 1
		→ 133E4
133FB		EGYPTIAN HIEROGLYPH Z015A
		• 2
		→ 133EE
133FC		EGYPTIAN HIEROGLYPH Z015B
		• 3
		→ 133E5
		→ 133EA
133FD		EGYPTIAN HIEROGLYPH Z015C
		• 4
133FE		EGYPTIAN HIEROGLYPH Z015D
		• 5
133FF		EGYPTIAN HIEROGLYPH Z015E
		• 6
13400		EGYPTIAN HIEROGLYPH Z015F
		• 7
13401		EGYPTIAN HIEROGLYPH Z015G
		• 8
13402		EGYPTIAN HIEROGLYPH Z015H
		• 9
13403		EGYPTIAN HIEROGLYPH Z015I
		• 5
13404		EGYPTIAN HIEROGLYPH Z016
		• 1 in dates
13405		EGYPTIAN HIEROGLYPH Z016A
		• 2 in dates
13406		EGYPTIAN HIEROGLYPH Z016B
		• 3 in dates
13407		EGYPTIAN HIEROGLYPH Z016C
		• 4 in dates

- 13408 ≡ EGYPTIAN HIEROGLYPH Z016D  
 • 5 in dates
- 13409 ≡ EGYPTIAN HIEROGLYPH Z016E  
 • 6 in dates
- 1340A ≡ EGYPTIAN HIEROGLYPH Z016F  
 • 7 in dates
- 1340B ≡ EGYPTIAN HIEROGLYPH Z016G  
 • 8 in dates
- 1340C ≡ EGYPTIAN HIEROGLYPH Z016H  
 • 9 in dates

**Aa. Unclassified**

- 1340D ● EGYPTIAN HIEROGLYPH AA001  
 • transliterated as 1E2B 𐀀  
 → 062E 𐀀 arabic letter khah
- 1340E 𐀁 EGYPTIAN HIEROGLYPH AA002
- 1340F 𐀂 EGYPTIAN HIEROGLYPH AA003
- 13410 𐀃 EGYPTIAN HIEROGLYPH AA004
- 13411 𐀄 EGYPTIAN HIEROGLYPH AA005
- 13412 𐀅 EGYPTIAN HIEROGLYPH AA006
- 13413 𐀆 EGYPTIAN HIEROGLYPH AA007
- 13414 𐀇 EGYPTIAN HIEROGLYPH AA007A
- 13415 𐀈 EGYPTIAN HIEROGLYPH AA007B
- 13416 𐀉 EGYPTIAN HIEROGLYPH AA008
- 13417 𐀊 EGYPTIAN HIEROGLYPH AA009
- 13418 𐀋 EGYPTIAN HIEROGLYPH AA010
- 13419 𐀌 EGYPTIAN HIEROGLYPH AA011
- 1341A 𐀍 EGYPTIAN HIEROGLYPH AA012
- 1341B 𐀎 EGYPTIAN HIEROGLYPH AA013
- 1341C 𐀏 EGYPTIAN HIEROGLYPH AA014
- 1341D 𐀐 EGYPTIAN HIEROGLYPH AA015
- 1341E 𐀑 EGYPTIAN HIEROGLYPH AA016
- 1341F 𐀒 EGYPTIAN HIEROGLYPH AA017
- 13420 𐀓 EGYPTIAN HIEROGLYPH AA018
- 13421 𐀔 EGYPTIAN HIEROGLYPH AA019
- 13422 𐀕 EGYPTIAN HIEROGLYPH AA020
- 13423 𐀖 EGYPTIAN HIEROGLYPH AA021
- 13424 𐀗 EGYPTIAN HIEROGLYPH AA022
- 13425 𐀘 EGYPTIAN HIEROGLYPH AA023
- 13426 𐀙 EGYPTIAN HIEROGLYPH AA024
- 13427 𐀚 EGYPTIAN HIEROGLYPH AA025
- 13428 𐀛 EGYPTIAN HIEROGLYPH AA026
- 13429 𐀜 EGYPTIAN HIEROGLYPH AA027
- 1342A 𐀝 EGYPTIAN HIEROGLYPH AA028
- 1342B 𐀞 EGYPTIAN HIEROGLYPH AA029
- 1342C 𐀟 EGYPTIAN HIEROGLYPH AA030
- 1342D 𐀠 EGYPTIAN HIEROGLYPH AA031
- 1342E 𐀡 EGYPTIAN HIEROGLYPH AA032

	1D000	1D001	1D002	1D003	1D004	1D005	1D006	1D007	1D008	1D009	1D00A	1D00B	1D00C	1D00D	1D00E	1D00F
0																
1																
2																
3																
4																
5																
6																
7																
8																
9																
A																
B																
C																
D																
E																
F																



**Prosodies (Prosodics)**

*These three characters are not actually attested in musical contexts.*

- 1D000 † BYZANTINE MUSICAL SYMBOL PSILI  
 1D001 † BYZANTINE MUSICAL SYMBOL DASEIA  
 1D002 ~ BYZANTINE MUSICAL SYMBOL PERISPOMENI

**Ekfonetika**

- 1D003 / BYZANTINE MUSICAL SYMBOL OXEIA EK FONITIKON  
 1D004 // BYZANTINE MUSICAL SYMBOL OXEIA DIPLI  
 1D005 \ BYZANTINE MUSICAL SYMBOL VAREIA EK FONITIKON  
 1D006 \ BYZANTINE MUSICAL SYMBOL VAREIA DIPLI  
 1D007 ~ BYZANTINE MUSICAL SYMBOL KATHISTI  
 1D008 ~ BYZANTINE MUSICAL SYMBOL SYRMATIKI  
 1D009 ✓ BYZANTINE MUSICAL SYMBOL PARAKLITIKI  
 1D00A † BYZANTINE MUSICAL SYMBOL YPOKRISIS  
 1D00B † BYZANTINE MUSICAL SYMBOL YPOKRISIS DIPLI  
 1D00C ✓ BYZANTINE MUSICAL SYMBOL KREMASTI  
 1D00D / BYZANTINE MUSICAL SYMBOL APESO EK FONITIKON  
 1D00E / BYZANTINE MUSICAL SYMBOL EXO EK FONITIKON  
 1D00F † BYZANTINE MUSICAL SYMBOL TELEIA  
 1D010 ~ BYZANTINE MUSICAL SYMBOL KENTIMATA  
 1D011 > BYZANTINE MUSICAL SYMBOL APOSTROFOS  
 1D012 >> BYZANTINE MUSICAL SYMBOL APOSTROFOS DIPLI  
 1D013 ~ BYZANTINE MUSICAL SYMBOL SYNEVMA  
 1D014 † BYZANTINE MUSICAL SYMBOL THITA

**Melodimata (Melodics)**

- 1D015 ~ BYZANTINE MUSICAL SYMBOL OLIGON ARCHAION  
 1D016 # BYZANTINE MUSICAL SYMBOL GORGON ARCHAION  
 1D017 † BYZANTINE MUSICAL SYMBOL PSILON  
 1D018 x BYZANTINE MUSICAL SYMBOL CHAMILON  
 1D019 # BYZANTINE MUSICAL SYMBOL VATHY  
 1D01A ~ BYZANTINE MUSICAL SYMBOL ISON ARCHAION  
 1D01B . BYZANTINE MUSICAL SYMBOL KENTIMA ARCHAION  
 1D01C . BYZANTINE MUSICAL SYMBOL KENTIMATA ARCHAION  
 1D01D ... BYZANTINE MUSICAL SYMBOL SAXIMATA  
 1D01E ~ BYZANTINE MUSICAL SYMBOL PARICHON  
 1D01F † BYZANTINE MUSICAL SYMBOL STAVROS APODEXIA  
 1D020 / BYZANTINE MUSICAL SYMBOL OXEIAI ARCHAION  
 1D021 ~ BYZANTINE MUSICAL SYMBOL VAREIAI ARCHAION  
 1D022 ~ BYZANTINE MUSICAL SYMBOL APODERMA ARCHAION  
 1D023 ~ BYZANTINE MUSICAL SYMBOL APOTHEMA  
 1D024 ~ BYZANTINE MUSICAL SYMBOL KLASMA  
 1D025 ~ BYZANTINE MUSICAL SYMBOL REVMA  
 1D026 ~ BYZANTINE MUSICAL SYMBOL PIASMA ARCHAION  
 1D027 ~ BYZANTINE MUSICAL SYMBOL TINAGMA  
 1D028 ~ BYZANTINE MUSICAL SYMBOL ANATRICHISMA  
 1D029 ~ BYZANTINE MUSICAL SYMBOL SEISMA

- 1D02A ~ BYZANTINE MUSICAL SYMBOL SYNAGMA ARCHAION  
 1D02B ~ BYZANTINE MUSICAL SYMBOL SYNAGMA META STAVROU  
 1D02C ✓ BYZANTINE MUSICAL SYMBOL OYRANISMA ARCHAION  
 1D02D ~ BYZANTINE MUSICAL SYMBOL THEMA  
 1D02E ~ BYZANTINE MUSICAL SYMBOL LEMOI  
 1D02F / BYZANTINE MUSICAL SYMBOL DYIO  
 1D030 ✓ BYZANTINE MUSICAL SYMBOL TRIA  
 1D031 ~ BYZANTINE MUSICAL SYMBOL TESSERA  
 1D032 ~ BYZANTINE MUSICAL SYMBOL KRATIMATA  
 1D033 ~ BYZANTINE MUSICAL SYMBOL APESO EXO NEO  
 1D034 ~ BYZANTINE MUSICAL SYMBOL FTHORA ARCHAION  
 1D035 ~ BYZANTINE MUSICAL SYMBOL IMIFTHORA  
 1D036 ~ BYZANTINE MUSICAL SYMBOL TROMIKON ARCHAION  
 1D037 ~ BYZANTINE MUSICAL SYMBOL KATAVA TROMIKON  
 1D038 ~ BYZANTINE MUSICAL SYMBOL PELASTON  
 1D039 † BYZANTINE MUSICAL SYMBOL PSIFISTON  
 1D03A / BYZANTINE MUSICAL SYMBOL KONTEVMA  
 1D03B ~ BYZANTINE MUSICAL SYMBOL CHOREVMA ARCHAION  
 1D03C ~ BYZANTINE MUSICAL SYMBOL RAPISMA  
 1D03D ~ BYZANTINE MUSICAL SYMBOL PARAKALESMA ARCHAION  
 1D03E ✓ BYZANTINE MUSICAL SYMBOL PARAKLITIKI ARCHAION  
 1D03F ~ BYZANTINE MUSICAL SYMBOL ICHADIN  
 1D040 ~ BYZANTINE MUSICAL SYMBOL NANA  
 1D041 ✓ BYZANTINE MUSICAL SYMBOL PETASMA  
 1D042 x BYZANTINE MUSICAL SYMBOL KONTEVMA ALLO  
 1D043 ~ BYZANTINE MUSICAL SYMBOL TROMIKON ALLO  
 1D044 ~ BYZANTINE MUSICAL SYMBOL STRAGGISMATA  
 1D045 ~ BYZANTINE MUSICAL SYMBOL GRONTHISMATA

**Fonitika (Vocals)**

- 1D046 ~ BYZANTINE MUSICAL SYMBOL ISON NEO  
 1D047 ~ BYZANTINE MUSICAL SYMBOL OLIGON NEO  
 1D048 ~ BYZANTINE MUSICAL SYMBOL OXEIA NEO  
 1D049 ~ BYZANTINE MUSICAL SYMBOL PETASTI  
 1D04A ~ BYZANTINE MUSICAL SYMBOL KOUFISMA  
 1D04B ~ BYZANTINE MUSICAL SYMBOL PETASTOKOUFISMA  
 1D04C ~ BYZANTINE MUSICAL SYMBOL KRATIMOKOUFISMA  
 1D04D ~ BYZANTINE MUSICAL SYMBOL PELASTON NEO  
 1D04E ~ BYZANTINE MUSICAL SYMBOL KENTIMATA NEO ANO  
 1D04F . BYZANTINE MUSICAL SYMBOL KENTIMA NEO ANO  
 1D050 ✓ BYZANTINE MUSICAL SYMBOL YPSILI  
 1D051 ~ BYZANTINE MUSICAL SYMBOL APOSTROFOS NEO  
 1D052 ~ BYZANTINE MUSICAL SYMBOL APOSTROFOI SYNDESMOS NEO  
 1D053 . BYZANTINE MUSICAL SYMBOL YPORROI

1D054 BYZANTINE MUSICAL SYMBOL  
KRATIMOYPORROON

1D055 BYZANTINE MUSICAL SYMBOL ELAFRON

1D056 BYZANTINE MUSICAL SYMBOL CHAMILI

**Afona or Ypostaseis (Mutes or Hypostases)**

1D057 BYZANTINE MUSICAL SYMBOL MIKRON ISON

1D058 BYZANTINE MUSICAL SYMBOL VAREIA NEO

1D059 BYZANTINE MUSICAL SYMBOL PIASMA NEO

1D05A BYZANTINE MUSICAL SYMBOL PSIFISTON NEO

1D05B BYZANTINE MUSICAL SYMBOL OMALON

1D05C BYZANTINE MUSICAL SYMBOL ANTIKENOMA

1D05D BYZANTINE MUSICAL SYMBOL LYGISMA

1D05E BYZANTINE MUSICAL SYMBOL PARAKLITIKI  
NEO

1D05F BYZANTINE MUSICAL SYMBOL PARAKALESMA  
NEO

1D060 BYZANTINE MUSICAL SYMBOL ETERON  
PARAKALESMA

1D061 BYZANTINE MUSICAL SYMBOL KYLISMA

1D062 BYZANTINE MUSICAL SYMBOL  
ANTIKENOKYLISMA

1D063 BYZANTINE MUSICAL SYMBOL TROMIKON NEO

1D064 BYZANTINE MUSICAL SYMBOL EKSTREPTON

1D065 BYZANTINE MUSICAL SYMBOL SYNAGMA NEO

1D066 BYZANTINE MUSICAL SYMBOL SYRMA

1D067 BYZANTINE MUSICAL SYMBOL CHOREVMA  
NEO

1D068 BYZANTINE MUSICAL SYMBOL EPEGERMA

1D069 BYZANTINE MUSICAL SYMBOL SEISMA NEO

1D06A BYZANTINE MUSICAL SYMBOL XIRON KLASMA

1D06B BYZANTINE MUSICAL SYMBOL  
TROMIKOPSIFISTON

1D06C BYZANTINE MUSICAL SYMBOL  
PSIFISTOLYGISMA

1D06D BYZANTINE MUSICAL SYMBOL  
TROMIKOLYGISMA

1D06E BYZANTINE MUSICAL SYMBOL  
TROMIKOPARAKALESMA

1D06F BYZANTINE MUSICAL SYMBOL  
PSIFISTOPARAKALESMA

1D070 BYZANTINE MUSICAL SYMBOL  
TROMIKOSYNAGMA

1D071 BYZANTINE MUSICAL SYMBOL  
PSIFISTOSYNAGMA

1D072 BYZANTINE MUSICAL SYMBOL  
GORGOSYNTHETON

1D073 BYZANTINE MUSICAL SYMBOL  
ARGOSYNTHETON

1D074 BYZANTINE MUSICAL SYMBOL ETERON  
ARGOSYNTHETON

1D075 BYZANTINE MUSICAL SYMBOL OYRANISMA  
NEO

1D076 BYZANTINE MUSICAL SYMBOL THEMATISMOS  
ESO

1D077 BYZANTINE MUSICAL SYMBOL THEMATISMOS  
EXO

1D078 BYZANTINE MUSICAL SYMBOL THEMA  
APLOUN

1D079 BYZANTINE MUSICAL SYMBOL THES KAI  
APOTHES

1D07A BYZANTINE MUSICAL SYMBOL KATAVASMA

1D07B BYZANTINE MUSICAL SYMBOL ENDOFONON

1D07C BYZANTINE MUSICAL SYMBOL YFEN KATO

1D07D BYZANTINE MUSICAL SYMBOL YFEN ANO

1D07E BYZANTINE MUSICAL SYMBOL STAVROS

**Argies (Retards)**

1D07F BYZANTINE MUSICAL SYMBOL KLASMA ANO

1D080 BYZANTINE MUSICAL SYMBOL DIPLI  
ARCHAION

1D081 BYZANTINE MUSICAL SYMBOL KRATIMA  
ARCHAION

1D082 BYZANTINE MUSICAL SYMBOL KRATIMA ALLO

1D083 BYZANTINE MUSICAL SYMBOL KRATIMA NEO

1D084 BYZANTINE MUSICAL SYMBOL APODERMA  
NEO

1D085 BYZANTINE MUSICAL SYMBOL APLI

1D086 BYZANTINE MUSICAL SYMBOL DIPLI

1D087 BYZANTINE MUSICAL SYMBOL TRIPLI

1D088 BYZANTINE MUSICAL SYMBOL TETRAPLI

1D089 BYZANTINE MUSICAL SYMBOL KORONIS

**Leimmata or Siopes (Leimmas or Silencers)**

1D08A BYZANTINE MUSICAL SYMBOL LEIMMA ENOS  
CHRONOU

1D08B BYZANTINE MUSICAL SYMBOL LEIMMA DYIO  
CHRONON

1D08C BYZANTINE MUSICAL SYMBOL LEIMMA TRION  
CHRONON

1D08D BYZANTINE MUSICAL SYMBOL LEIMMA  
TESSARON CHRONON

1D08E BYZANTINE MUSICAL SYMBOL LEIMMA  
IMISEOS CHRONOU

**Synagmata or Gorgotites (Synagmas or Quickeners)**

1D08F BYZANTINE MUSICAL SYMBOL GORGON NEO  
ANO

1D090 BYZANTINE MUSICAL SYMBOL GORGON  
PARESTIGMENON ARISTERA

1D091 BYZANTINE MUSICAL SYMBOL GORGON  
PARESTIGMENON DEXIA

1D092 BYZANTINE MUSICAL SYMBOL DIGORGON

1D093 BYZANTINE MUSICAL SYMBOL DIGORGON  
PARESTIGMENON ARISTERA KATO

1D094 BYZANTINE MUSICAL SYMBOL DIGORGON  
PARESTIGMENON ARISTERA ANO

1D095 BYZANTINE MUSICAL SYMBOL DIGORGON  
PARESTIGMENON DEXIA

1D096 BYZANTINE MUSICAL SYMBOL TRIGORGON

1D097 BYZANTINE MUSICAL SYMBOL ARGON

1D098 BYZANTINE MUSICAL SYMBOL IMIDIARGON  
• called diargon by some authorities

1D099 BYZANTINE MUSICAL SYMBOL DIARGON  
• called triargon by some authorities

**Agogika (Conduits)**

*Glyphs shown for conduits reflect Greek practice, with chi as the base letter; different national traditions use glyphs with different base letters.*

1D09A BYZANTINE MUSICAL SYMBOL AGOGI POLI  
ARGI

1D09B BYZANTINE MUSICAL SYMBOL AGOGI  
ARGOTERI

1D09C BYZANTINE MUSICAL SYMBOL AGOGI ARGI

1D09D BYZANTINE MUSICAL SYMBOL AGOGI METRIA

1D09E BYZANTINE MUSICAL SYMBOL AGOGI MESI

1D09F BYZANTINE MUSICAL SYMBOL AGOGI GORGI

1D0A0 BYZANTINE MUSICAL SYMBOL AGOGI  
GORGOTERI

1D0A1 ↖ BYZANTINE MUSICAL SYMBOL AGOGI POLI GORGI

**Ichimata and Martyrika (Ichimas and Evidentials)**

1D0A2 ↖ BYZANTINE MUSICAL SYMBOL MARTYRIA PROTOS ICHOS

1D0A3 ↖ BYZANTINE MUSICAL SYMBOL MARTYRIA ALLI PROTOS ICHOS

1D0A4 ↖ BYZANTINE MUSICAL SYMBOL MARTYRIA DEYTEROS ICHOS

1D0A5 ↖ BYZANTINE MUSICAL SYMBOL MARTYRIA ALLI DEYTEROS ICHOS

1D0A6 ↖ BYZANTINE MUSICAL SYMBOL MARTYRIA TRITOS ICHOS

1D0A7 ↖ BYZANTINE MUSICAL SYMBOL MARTYRIA TRIFONIAS

1D0A8 ↖ BYZANTINE MUSICAL SYMBOL MARTYRIA TETARTOS ICHOS

1D0A9 ↖ BYZANTINE MUSICAL SYMBOL MARTYRIA TETARTOS LEGETOS ICHOS

1D0AA ↖ BYZANTINE MUSICAL SYMBOL MARTYRIA LEGETOS ICHOS

1D0AB ↖ BYZANTINE MUSICAL SYMBOL MARTYRIA PLAGIOS ICHOS

1D0AC ↖ BYZANTINE MUSICAL SYMBOL ISAKIA TELOUS ICHIMATOS

1D0AD ↖ BYZANTINE MUSICAL SYMBOL APOSTROFOI TELOUS ICHIMATOS

1D0AE ↖ BYZANTINE MUSICAL SYMBOL FANEROSIS TETRAFONIAS

1D0AF ↖ BYZANTINE MUSICAL SYMBOL FANEROSIS MONOFONIAS

1D0B0 ↖ BYZANTINE MUSICAL SYMBOL FANEROSIS DIFONIAS

1D0B1 ↖ BYZANTINE MUSICAL SYMBOL MARTYRIA VARYS ICHOS

1D0B2 ↖ BYZANTINE MUSICAL SYMBOL MARTYRIA PROTOVARYS ICHOS

1D0B3 ↖ BYZANTINE MUSICAL SYMBOL MARTYRIA PLAGIOS TETARTOS ICHOS

1D0B4 ↖ BYZANTINE MUSICAL SYMBOL GORTHMIKON N APLOUN

- used in intonation formulas instead of nu, before phonemes a, i, o, u
- 03BD v greek small letter nu

1D0B5 ↖ BYZANTINE MUSICAL SYMBOL GORTHMIKON N DIPLOUN

- used in intonation formulas instead of nu, before phoneme e
- 03BD v greek small letter nu

**Fthores (Destroyers)**

1D0B6 ↖ BYZANTINE MUSICAL SYMBOL ENARXIS KAI FTHORA VOY

1D0B7 ↖ BYZANTINE MUSICAL SYMBOL IMIFONON

1D0B8 ↖ BYZANTINE MUSICAL SYMBOL IMIFTHORON

1D0B9 ↖ BYZANTINE MUSICAL SYMBOL FTHORA ARCHAION DEYTEROU ICHOU

1D0BA ↖ BYZANTINE MUSICAL SYMBOL FTHORA DIATONIKI PA

1D0BB ↖ BYZANTINE MUSICAL SYMBOL FTHORA DIATONIKI NANA

1D0BC ↖ BYZANTINE MUSICAL SYMBOL FTHORA NAOS ICHOS

1D0BD ↖ BYZANTINE MUSICAL SYMBOL FTHORA DIATONIKI DI

1D0BE ↖ BYZANTINE MUSICAL SYMBOL FTHORA SKLIRON DIATONON DI

1D0BF ↖ BYZANTINE MUSICAL SYMBOL FTHORA DIATONIKI KE

1D0C0 ↖ BYZANTINE MUSICAL SYMBOL FTHORA DIATONIKI ZO

1D0C1 ↖ BYZANTINE MUSICAL SYMBOL FTHORA DIATONIKI NI KATO

1D0C2 ↖ BYZANTINE MUSICAL SYMBOL FTHORA DIATONIKI NI ANO

1D0C3 ↖ BYZANTINE MUSICAL SYMBOL FTHORA MALAKON CHROMA DIFONIAS

1D0C4 ↖ BYZANTINE MUSICAL SYMBOL FTHORA MALAKON CHROMA MONOFONIAS

1D0C5 ↖ BYZANTINE MUSICAL SYMBOL FHTORA SKLIRON CHROMA VASIS

× BYZANTINE MUSICAL SYMBOL FTHORA SKLIRON CHROMA VASIS

- misspelling of “FTHORA” in character name is a known defect

1D0C6 ↖ BYZANTINE MUSICAL SYMBOL FTHORA SKLIRON CHROMA SYNAFI

1D0C7 ↖ BYZANTINE MUSICAL SYMBOL FTHORA NENANO

1D0C8 ↖ BYZANTINE MUSICAL SYMBOL CHROA ZYGOS

1D0C9 ↖ BYZANTINE MUSICAL SYMBOL CHROA KLITON

1D0CA ↖ BYZANTINE MUSICAL SYMBOL CHROA SPATHI

**Alloioseis (Differentiators)**

1D0CB ↖ BYZANTINE MUSICAL SYMBOL FTHORA I YFESIS TETARTIMORION

1D0CC ↖ BYZANTINE MUSICAL SYMBOL FTHORA ENARMONIOS ANTIFONIA

1D0CD ↖ BYZANTINE MUSICAL SYMBOL YFESIS TRITIMORION

1D0CE ↖ BYZANTINE MUSICAL SYMBOL DIESIS TRITIMORION

1D0CF ↖ BYZANTINE MUSICAL SYMBOL DIESIS TETARTIMORION

1D0D0 ↖ BYZANTINE MUSICAL SYMBOL DIESIS APLI DYO DODEKATA

1D0D1 ↖ BYZANTINE MUSICAL SYMBOL DIESIS MONOGRAMMOS TESSERA DODEKATA

1D0D2 ↖ BYZANTINE MUSICAL SYMBOL DIESIS DIGRAMMOS EX DODEKATA

1D0D3 ↖ BYZANTINE MUSICAL SYMBOL DIESIS TRIGRAMMOS OKTO DODEKATA

1D0D4 ↖ BYZANTINE MUSICAL SYMBOL YFESIS APLI DYO DODEKATA

1D0D5 ↖ BYZANTINE MUSICAL SYMBOL YFESIS MONOGRAMMOS TESSERA DODEKATA

1D0D6 ↖ BYZANTINE MUSICAL SYMBOL YFESIS DIGRAMMOS EX DODEKATA

1D0D7 ↖ BYZANTINE MUSICAL SYMBOL YFESIS TRIGRAMMOS OKTO DODEKATA

1D0D8 ↖ BYZANTINE MUSICAL SYMBOL GENIKI DIESIS

1D0D9 ↖ BYZANTINE MUSICAL SYMBOL GENIKI YFESIS

**Rythmika (Rhythmics)**

1D0DA ↖ BYZANTINE MUSICAL SYMBOL DIASTOLI APLI MIKRI

- 1D105 l musical symbol short barline

1D0DB ↖ BYZANTINE MUSICAL SYMBOL DIASTOLI APLI MEGALI

- 1D100 l musical symbol single barline

1D0DC ↖ BYZANTINE MUSICAL SYMBOL DIASTOLI DIPLI

1D0DD	·	BYZANTINE MUSICAL SYMBOL DIASTOLI THESEOS
1D0DE	·	BYZANTINE MUSICAL SYMBOL SIMANSIS THESEOS
1D0DF	·	BYZANTINE MUSICAL SYMBOL SIMANSIS THESEOS DISIMOU
1D0E0	·	BYZANTINE MUSICAL SYMBOL SIMANSIS THESEOS TRISIMOU
1D0E1	·	BYZANTINE MUSICAL SYMBOL SIMANSIS THESEOS TETRASIMOU
1D0E2	·	BYZANTINE MUSICAL SYMBOL SIMANSIS ARSEOS
1D0E3	·	BYZANTINE MUSICAL SYMBOL SIMANSIS ARSEOS DISIMOU
1D0E4	·	BYZANTINE MUSICAL SYMBOL SIMANSIS ARSEOS TRISIMOU
1D0E5	·	BYZANTINE MUSICAL SYMBOL SIMANSIS ARSEOS TETRASIMOU

**Grammata (Letters)**

*The first three characters are not actually attested in musical contexts.*

1D0E6	·	BYZANTINE MUSICAL SYMBOL DIGRAMMA GG
1D0E7	·	BYZANTINE MUSICAL SYMBOL DIFTOGGOS OU → 0223 8 latin small letter ou
1D0E8	·	BYZANTINE MUSICAL SYMBOL STIGMA → 03DB Ϛ greek small letter stigma
1D0E9	·	BYZANTINE MUSICAL SYMBOL ARKTIKO PA
1D0EA	·	BYZANTINE MUSICAL SYMBOL ARKTIKO VOU
1D0EB	·	BYZANTINE MUSICAL SYMBOL ARKTIKO GA
1D0EC	·	BYZANTINE MUSICAL SYMBOL ARKTIKO DI
1D0ED	·	BYZANTINE MUSICAL SYMBOL ARKTIKO KE
1D0EE	·	BYZANTINE MUSICAL SYMBOL ARKTIKO ZO
1D0EF	·	BYZANTINE MUSICAL SYMBOL ARKTIKO NI

**Specials**

1D0F0	·	BYZANTINE MUSICAL SYMBOL KENTIMATA NEO MESO
1D0F1	·	BYZANTINE MUSICAL SYMBOL KENTIMA NEO MESO
1D0F2	·	BYZANTINE MUSICAL SYMBOL KENTIMATA NEO KATO
1D0F3	·	BYZANTINE MUSICAL SYMBOL KENTIMA NEO KATO
1D0F4	·	BYZANTINE MUSICAL SYMBOL KLASMA KATO
1D0F5	·	BYZANTINE MUSICAL SYMBOL GORGON NEO KATO

	1D100	1D101	1D102	1D103	1D104	1D105	1D106	1D107	1D108	1D109	1D10A	1D10B	1D10C	1D10D	1D10E	1D10F
0																
1																
2																
3																
4																
5																
6																
7																
8																
9																
A																
B																
C																
D																
E																
F																

**Bars**

1D100		MUSICAL SYMBOL SINGLE BARLINE
1D101		MUSICAL SYMBOL DOUBLE BARLINE
1D102		MUSICAL SYMBOL FINAL BARLINE
1D103		MUSICAL SYMBOL REVERSE FINAL BARLINE
1D104	⋮	MUSICAL SYMBOL DASHED BARLINE
1D105		MUSICAL SYMBOL SHORT BARLINE

**Codas**

1D106	:	MUSICAL SYMBOL LEFT REPEAT SIGN
1D107	:	MUSICAL SYMBOL RIGHT REPEAT SIGN
1D108	:	MUSICAL SYMBOL REPEAT DOTS
1D109	<i>d.s.</i>	MUSICAL SYMBOL DAL SEGNO
1D10A	<i>d.c.</i>	MUSICAL SYMBOL DA CAPO
1D10B	⌘	MUSICAL SYMBOL SEGNO
1D10C	◊	MUSICAL SYMBOL CODA

**Figure repetitions**

1D10D	↗	MUSICAL SYMBOL REPEATED FIGURE-1
1D10E	↘	MUSICAL SYMBOL REPEATED FIGURE-2
1D10F	↗↘	MUSICAL SYMBOL REPEATED FIGURE-3

**Holds and pauses**

1D110	⤿	MUSICAL SYMBOL FERMATA
1D111	⤿	MUSICAL SYMBOL FERMATA BELOW
1D112	·	MUSICAL SYMBOL BREATH MARK
1D113	⌘	MUSICAL SYMBOL CAESURA

**Staff brackets**

1D114	{	MUSICAL SYMBOL BRACE
1D115		MUSICAL SYMBOL BRACKET

**Staves**

1D116	—	MUSICAL SYMBOL ONE-LINE STAFF
1D117	==	MUSICAL SYMBOL TWO-LINE STAFF
1D118	===	MUSICAL SYMBOL THREE-LINE STAFF
1D119	====	MUSICAL SYMBOL FOUR-LINE STAFF
1D11A	=====	MUSICAL SYMBOL FIVE-LINE STAFF
1D11B	=====	MUSICAL SYMBOL SIX-LINE STAFF

**Tablature**

1D11C	▮	MUSICAL SYMBOL SIX-STRING FRETBOARD
1D11D	▮	MUSICAL SYMBOL FOUR-STRING FRETBOARD

**Clefs**

1D11E		MUSICAL SYMBOL G CLEF
1D11F		MUSICAL SYMBOL G CLEF OTTAVA ALTA
1D120		MUSICAL SYMBOL G CLEF OTTAVA BASSA
1D121		MUSICAL SYMBOL C CLEF
1D122		MUSICAL SYMBOL F CLEF
1D123		MUSICAL SYMBOL F CLEF OTTAVA ALTA
1D124		MUSICAL SYMBOL F CLEF OTTAVA BASSA
1D125		MUSICAL SYMBOL DRUM CLEF-1
1D126		MUSICAL SYMBOL DRUM CLEF-2

**Rest**

1D129	—	MUSICAL SYMBOL MULTIPLE MEASURE REST
		• used to represent rests of arbitrary lengths, extending across multiple measures
		→ 1D13A ▣ musical symbol multi rest

**Accidentals**

*The most common accidentals are encoded in the Miscellaneous Symbols block.*

		→ 266D ♭ music flat sign
		→ 266E ♮ music natural sign
		→ 266F ♯ music sharp sign
1D12A	⌘	MUSICAL SYMBOL DOUBLE SHARP
1D12B	♭♭	MUSICAL SYMBOL DOUBLE FLAT
1D12C	♭	MUSICAL SYMBOL FLAT UP
1D12D	♭	MUSICAL SYMBOL FLAT DOWN
1D12E	♮	MUSICAL SYMBOL NATURAL UP
1D12F	♮	MUSICAL SYMBOL NATURAL DOWN
1D130	♯	MUSICAL SYMBOL SHARP UP
1D131	♯	MUSICAL SYMBOL SHARP DOWN
1D132	♯	MUSICAL SYMBOL QUARTER TONE SHARP
1D133	♭	MUSICAL SYMBOL QUARTER TONE FLAT

**Time signatures**

1D134	♩	MUSICAL SYMBOL COMMON TIME
1D135	♩	MUSICAL SYMBOL CUT TIME

**Octaves**

1D136	<sup>8va</sup>	MUSICAL SYMBOL OTTAVA ALTA
1D137	<sup>8va</sup>	MUSICAL SYMBOL OTTAVA BASSA
1D138	<sup>15va</sup>	MUSICAL SYMBOL QUINDICESIMA ALTA
1D139	<sup>15va</sup>	MUSICAL SYMBOL QUINDICESIMA BASSA

**Rests**

1D13A	▣	MUSICAL SYMBOL MULTI REST
		= double whole-rest, breve rest
		→ 1D129 — musical symbol multiple measure rest
1D13B	▮	MUSICAL SYMBOL WHOLE REST
		= semibreve rest
1D13C	▮	MUSICAL SYMBOL HALF REST
		= minim rest
1D13D	♩	MUSICAL SYMBOL QUARTER REST
		= crochet rest
1D13E	♪	MUSICAL SYMBOL EIGHTH REST
1D13F	♪	MUSICAL SYMBOL SIXTEENTH REST
1D140	♪	MUSICAL SYMBOL THIRTY-SECOND REST
1D141	♪	MUSICAL SYMBOL SIXTY-FOURTH REST
1D142	♪	MUSICAL SYMBOL ONE HUNDRED TWENTY-EIGHTH REST

**Noteheads**

1D143	×	MUSICAL SYMBOL X NOTEHEAD
1D144	+	MUSICAL SYMBOL PLUS NOTEHEAD
1D145	◊	MUSICAL SYMBOL CIRCLE X NOTEHEAD
1D146	◻	MUSICAL SYMBOL SQUARE NOTEHEAD WHITE
1D147	◼	MUSICAL SYMBOL SQUARE NOTEHEAD BLACK
1D148	▲	MUSICAL SYMBOL TRIANGLE NOTEHEAD UP WHITE
1D149	▲	MUSICAL SYMBOL TRIANGLE NOTEHEAD UP BLACK
1D14A	▵	MUSICAL SYMBOL TRIANGLE NOTEHEAD LEFT WHITE
1D14B	▵	MUSICAL SYMBOL TRIANGLE NOTEHEAD LEFT BLACK
1D14C	▹	MUSICAL SYMBOL TRIANGLE NOTEHEAD RIGHT WHITE
1D14D	▹	MUSICAL SYMBOL TRIANGLE NOTEHEAD RIGHT BLACK
1D14E	▾	MUSICAL SYMBOL TRIANGLE NOTEHEAD DOWN WHITE

1D14F	▼	MUSICAL SYMBOL TRIANGLE NOTEHEAD DOWN BLACK
1D150	◀	MUSICAL SYMBOL TRIANGLE NOTEHEAD UP RIGHT WHITE
1D151	▼	MUSICAL SYMBOL TRIANGLE NOTEHEAD UP RIGHT BLACK
1D152	◊	MUSICAL SYMBOL MOON NOTEHEAD WHITE
1D153	▪	MUSICAL SYMBOL MOON NOTEHEAD BLACK
1D154	◊	MUSICAL SYMBOL TRIANGLE-ROUND NOTEHEAD DOWN WHITE
1D155	▼	MUSICAL SYMBOL TRIANGLE-ROUND NOTEHEAD DOWN BLACK
1D156	◊	MUSICAL SYMBOL PARENTHESIS NOTEHEAD
1D157	◊	MUSICAL SYMBOL VOID NOTEHEAD
1D158	•	MUSICAL SYMBOL NOTEHEAD BLACK
1D159	◊	MUSICAL SYMBOL NULL NOTEHEAD
1D15A	◻	MUSICAL SYMBOL CLUSTER NOTEHEAD WHITE
1D15B	◼	MUSICAL SYMBOL CLUSTER NOTEHEAD BLACK

**Notes**

1D15C	♩	MUSICAL SYMBOL BREVE
1D15D	♩	MUSICAL SYMBOL WHOLE NOTE
1D15E	♪	MUSICAL SYMBOL HALF NOTE
		≡ 1D157 ◊ 1D165 ◊
1D15F	♪	MUSICAL SYMBOL QUARTER NOTE
		≡ 1D158 • 1D165 ◊
1D160	♫	MUSICAL SYMBOL EIGHTH NOTE
		≡ 1D15F ♪ 1D16E ◊
1D161	♫	MUSICAL SYMBOL SIXTEENTH NOTE
		≡ 1D15F ♪ 1D16F ◊
1D162	♫	MUSICAL SYMBOL THIRTY-SECOND NOTE
		≡ 1D15F ♪ 1D170 ◊
1D163	♫	MUSICAL SYMBOL SIXTY-FOURTH NOTE
		≡ 1D15F ♪ 1D171 ◊
1D164	♫	MUSICAL SYMBOL ONE HUNDRED TWENTY-EIGHTH NOTE
		≡ 1D15F ♪ 1D172 ◊

**Stems**

1D165	⌋	MUSICAL SYMBOL COMBINING STEM
1D166	⌋	MUSICAL SYMBOL COMBINING SPRECHGESANG STEM

**Tremolos**

1D167	⌋	MUSICAL SYMBOL COMBINING TREMOLO-1
1D168	⌋	MUSICAL SYMBOL COMBINING TREMOLO-2
1D169	⌋	MUSICAL SYMBOL COMBINING TREMOLO-3
1D16A	⌋	MUSICAL SYMBOL FINGERED TREMOLO-1
1D16B	⌋	MUSICAL SYMBOL FINGERED TREMOLO-2
1D16C	⌋	MUSICAL SYMBOL FINGERED TREMOLO-3

**Augmentation dot**

1D16D	◊	MUSICAL SYMBOL COMBINING AUGMENTATION DOT
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**Flags**

1D16E	◊	MUSICAL SYMBOL COMBINING FLAG-1
1D16F	◊	MUSICAL SYMBOL COMBINING FLAG-2
1D170	◊	MUSICAL SYMBOL COMBINING FLAG-3
1D171	◊	MUSICAL SYMBOL COMBINING FLAG-4
1D172	◊	MUSICAL SYMBOL COMBINING FLAG-5

**Beams and slurs**

1D173	⌋	MUSICAL SYMBOL BEGIN BEAM
1D174	⌋	MUSICAL SYMBOL END BEAM
1D175	⌋	MUSICAL SYMBOL BEGIN TIE

1D176	⌋	MUSICAL SYMBOL END TIE
1D177	⌋	MUSICAL SYMBOL BEGIN SLUR
1D178	⌋	MUSICAL SYMBOL END SLUR
1D179	⌋	MUSICAL SYMBOL BEGIN PHRASE
1D17A	⌋	MUSICAL SYMBOL END PHRASE

**Articulation**

1D17B	◊	MUSICAL SYMBOL COMBINING ACCENT
1D17C	◊	MUSICAL SYMBOL COMBINING STACCATO
1D17D	◊	MUSICAL SYMBOL COMBINING TENUTO
1D17E	◊	MUSICAL SYMBOL COMBINING STACCATISSIMO
1D17F	◊	MUSICAL SYMBOL COMBINING MARCATO
1D180	◊	MUSICAL SYMBOL COMBINING MARCATO-STACCATO
1D181	◊	MUSICAL SYMBOL COMBINING ACCENT-STACCATO
1D182	◊	MUSICAL SYMBOL COMBINING LOURE
1D183	◊	MUSICAL SYMBOL ARPEGGIATO UP
1D184	◊	MUSICAL SYMBOL ARPEGGIATO DOWN
1D185	◊	MUSICAL SYMBOL COMBINING DOIT
1D186	◊	MUSICAL SYMBOL COMBINING RIP
1D187	◊	MUSICAL SYMBOL COMBINING FLIP
1D188	◊	MUSICAL SYMBOL COMBINING SMEAR
1D189	◊	MUSICAL SYMBOL COMBINING BEND
1D18A	◊	MUSICAL SYMBOL COMBINING DOUBLE TONGUE
1D18B	◊	MUSICAL SYMBOL COMBINING TRIPLE TONGUE
1D18C	◊	MUSICAL SYMBOL RINFORZANDO
1D18D	◊	MUSICAL SYMBOL SUBITO
1D18E	◊	MUSICAL SYMBOL Z

**Dynamics**

1D18F	♩	MUSICAL SYMBOL PIANO
1D190	♩	MUSICAL SYMBOL MEZZO
1D191	♩	MUSICAL SYMBOL FORTE
1D192	♩	MUSICAL SYMBOL CRESCENDO
1D193	♩	MUSICAL SYMBOL DECRESCENDO

**Ornaments**

1D194	♩	MUSICAL SYMBOL GRACE NOTE SLASH
1D195	♩	MUSICAL SYMBOL GRACE NOTE NO SLASH
1D196	♩	MUSICAL SYMBOL TR
1D197	♩	MUSICAL SYMBOL TURN
1D198	♩	MUSICAL SYMBOL INVERTED TURN
1D199	♩	MUSICAL SYMBOL TURN SLASH
1D19A	♩	MUSICAL SYMBOL TURN UP
1D19B	♩	MUSICAL SYMBOL ORNAMENT STROKE-1
1D19C	♩	MUSICAL SYMBOL ORNAMENT STROKE-2
1D19D	♩	MUSICAL SYMBOL ORNAMENT STROKE-3
1D19E	♩	MUSICAL SYMBOL ORNAMENT STROKE-4
1D19F	♩	MUSICAL SYMBOL ORNAMENT STROKE-5
1D1A0	♩	MUSICAL SYMBOL ORNAMENT STROKE-6
1D1A1	♩	MUSICAL SYMBOL ORNAMENT STROKE-7
1D1A2	♩	MUSICAL SYMBOL ORNAMENT STROKE-8
1D1A3	♩	MUSICAL SYMBOL ORNAMENT STROKE-9
1D1A4	♩	MUSICAL SYMBOL ORNAMENT STROKE-10
1D1A5	♩	MUSICAL SYMBOL ORNAMENT STROKE-11

**Analytics**

1D1A6	♩	MUSICAL SYMBOL HAUPTSTIMME
1D1A7	♩	MUSICAL SYMBOL NEBENSTIMME
1D1A8	♩	MUSICAL SYMBOL END OF STIMME

1D1A9 · MUSICAL SYMBOL DEGREE SLASH

#### Instrumentation

1D1AA ○ MUSICAL SYMBOL COMBINING DOWN BOW  
 1D1AB ○ MUSICAL SYMBOL COMBINING UP BOW  
 1D1AC ○ MUSICAL SYMBOL COMBINING HARMONIC  
 1D1AD ○ MUSICAL SYMBOL COMBINING SNAP PIZZICATO

#### Pedals

1D1AE 🎹 MUSICAL SYMBOL PEDAL MARK  
 1D1AF 🎹 MUSICAL SYMBOL PEDAL UP MARK  
 1D1B0 🎹 MUSICAL SYMBOL HALF PEDAL MARK

#### Miscellaneous symbols

1D1B1 ↗ MUSICAL SYMBOL GLISSANDO UP  
 1D1B2 ↘ MUSICAL SYMBOL GLISSANDO DOWN  
 1D1B3 ^ MUSICAL SYMBOL WITH FINGERNAILS  
 1D1B4 ° MUSICAL SYMBOL DAMP  
 1D1B5 ° MUSICAL SYMBOL DAMP ALL

#### Mensural notation

1D1B6 ┘ MUSICAL SYMBOL MAXIMA  
 1D1B7 ┘ MUSICAL SYMBOL LONGA  
 1D1B8 ┘ MUSICAL SYMBOL BREVIS  
 1D1B9 ◦ MUSICAL SYMBOL SEMIBREVIS WHITE  
 1D1BA · MUSICAL SYMBOL SEMIBREVIS BLACK  
 1D1BB ↓ MUSICAL SYMBOL MINIMA  
 ≡ 1D1B9 · 1D165 ◐  
 1D1BC ↓ MUSICAL SYMBOL MINIMA BLACK  
 ≡ 1D1BA · 1D165 ◐  
 1D1BD ↯ MUSICAL SYMBOL SEMIMINIMA WHITE  
 ≡ 1D1BB ↓ 1D16E ◐  
 1D1BE ↯ MUSICAL SYMBOL SEMIMINIMA BLACK  
 ≡ 1D1BC ↓ 1D16E ◐  
 1D1BF ↯ MUSICAL SYMBOL FUSA WHITE  
 ≡ 1D1BB ↓ 1D16F ◐  
 1D1C0 ↯ MUSICAL SYMBOL FUSA BLACK  
 ≡ 1D1BC ↓ 1D16F ◐

#### Mensural rests

1D1C1 | MUSICAL SYMBOL LONGA PERFECTA REST  
 1D1C2 | MUSICAL SYMBOL LONGA IMPERFECTA REST  
 1D1C3 | MUSICAL SYMBOL BREVIS REST  
 1D1C4 · MUSICAL SYMBOL SEMIBREVIS REST  
 1D1C5 · MUSICAL SYMBOL MINIMA REST  
 1D1C6 · MUSICAL SYMBOL SEMIMINIMA REST

#### Mensural prolations

1D1C7 ○ MUSICAL SYMBOL TEMPUS PERFECTUM CUM PROLATIONE PERFECTA  
 1D1C8 ○ MUSICAL SYMBOL TEMPUS PERFECTUM CUM PROLATIONE IMPERFECTA  
 1D1C9 ⊕ MUSICAL SYMBOL TEMPUS PERFECTUM CUM PROLATIONE PERFECTA DIMINUTION-1  
 1D1CA ⊕ MUSICAL SYMBOL TEMPUS IMPERFECTUM CUM PROLATIONE PERFECTA  
 1D1CB ⊕ MUSICAL SYMBOL TEMPUS IMPERFECTUM CUM PROLATIONE IMPERFECTA  
 1D1CC ⊕ MUSICAL SYMBOL TEMPUS IMPERFECTUM CUM PROLATIONE IMPERFECTA DIMINUTION-1  
 1D1CD ⊕ MUSICAL SYMBOL TEMPUS IMPERFECTUM CUM PROLATIONE IMPERFECTA DIMINUTION-2  
 1D1CE ⊕ MUSICAL SYMBOL TEMPUS IMPERFECTUM CUM PROLATIONE IMPERFECTA DIMINUTION-3

#### Miscellaneous symbol

1D1CF × MUSICAL SYMBOL CROIX

#### Gregorian notation





















1D1D0 ♪ MUSICAL SYMBOL GREGORIAN C CLEF  
 1D1D1 ♪ MUSICAL SYMBOL GREGORIAN F CLEF  
 1D1D2 ↓ MUSICAL SYMBOL SQUARE B  
 1D1D3 † MUSICAL SYMBOL VIRGA  
 1D1D4 ♪ MUSICAL SYMBOL PODATUS  
 1D1D5 † MUSICAL SYMBOL CLIVIS  
 1D1D6 ♪ MUSICAL SYMBOL SCANDICUS  
 1D1D7 † MUSICAL SYMBOL CLIMACUS  
 1D1D8 ♪ MUSICAL SYMBOL TORCULUS  
 1D1D9 ♪ MUSICAL SYMBOL PORRECTUS  
 1D1DA ♪ MUSICAL SYMBOL PORRECTUS FLEXUS  
 1D1DB ♪ MUSICAL SYMBOL SCANDICUS FLEXUS  
 1D1DC ♪ MUSICAL SYMBOL TORCULUS RESUPINUS  
 1D1DD ♪ MUSICAL SYMBOL PES SUBPUNCTIS













	1D200	1D210	1D220	1D230	1D240
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					
A					
B					
C					
D					
E					
F					

















**Ancient Greek vocalic notation**

*In a few instances vocalic and instrumental symbols have been unified with each other. In other instances they have been unified with regular Greek letters.*

- 1D200  GREEK VOCAL NOTATION SYMBOL-1  
• vocal E
- 1D201  GREEK VOCAL NOTATION SYMBOL-2  
• vocal first sharp of E
- 1D202  GREEK VOCAL NOTATION SYMBOL-3  
= Greek instrumental notation symbol-3  
• vocal or instrumental second sharp of E
- 1D203  GREEK VOCAL NOTATION SYMBOL-4  
• vocal F
- 1D204  GREEK VOCAL NOTATION SYMBOL-5  
• vocal first sharp of F
- 1D205  GREEK VOCAL NOTATION SYMBOL-6  
= Greek instrumental notation symbol-21  
• vocal second sharp of F  
• instrumental second sharp of d
- 1D206  GREEK VOCAL NOTATION SYMBOL-7  
= Greek instrumental notation symbol-9  
• vocal G  
• instrumental second sharp of G
- 1D207  GREEK VOCAL NOTATION SYMBOL-8  
• vocal first sharp of G
- 1D208  GREEK VOCAL NOTATION SYMBOL-9  
= Greek instrumental notation symbol-44  
• vocal second sharp of G  
• instrumental first sharp of e'
- 1D209  GREEK VOCAL NOTATION SYMBOL-10  
• vocal A  
• this is a modification of 039F **O** and is therefore not the same as 03D8 **Q**
- 1D20A  GREEK VOCAL NOTATION SYMBOL-11  
• vocal first sharp of A
- 1D20B  GREEK VOCAL NOTATION SYMBOL-12  
• vocal second sharp of A
- 1D20C  GREEK VOCAL NOTATION SYMBOL-13  
• vocal B
- 1D20D  GREEK VOCAL NOTATION SYMBOL-14  
= Greek instrumental notation symbol-41  
• vocal first sharp of B  
• instrumental first sharp of d'  
→ 0056 **V** latin capital letter v
- 1D20E  GREEK VOCAL NOTATION SYMBOL-15  
= Greek instrumental notation symbol-35  
• vocal second sharp of B  
• instrumental first sharp of b
- 1D20F  GREEK VOCAL NOTATION SYMBOL-16  
• vocal c  
• unlike 1D23B  this character has a glyph variant that looks like a horizontal line
- 1D210  GREEK VOCAL NOTATION SYMBOL-17  
• vocal first sharp of c
- 1D211  GREEK VOCAL NOTATION SYMBOL-18  
= Greek instrumental notation symbol-15  
• vocal second sharp of c  
• instrumental second sharp of B
- 1D212  GREEK VOCAL NOTATION SYMBOL-19  
• vocal d

- 1D213  F GREEK VOCAL NOTATION SYMBOL-20  
= Greek instrumental notation symbol-28  
• vocal first sharp of d  
• instrumental g  
• this is a modification of 0395 **E** and is therefore not the same as 0046 **F**
- 1D214  GREEK VOCAL NOTATION SYMBOL-21  
• vocal second sharp of d
- 1D215  GREEK VOCAL NOTATION SYMBOL-22  
• vocal e
- 1D216  R GREEK VOCAL NOTATION SYMBOL-23  
• vocal first sharp of e  
• this is a modification of 0392 **B** and is therefore not the same as 0052 **R**
- 1D217  GREEK VOCAL NOTATION SYMBOL-24  
• vocal second sharp of e
- 1D218  GREEK VOCAL NOTATION SYMBOL-50  
• vocal first sharp of g'
- 1D219  GREEK VOCAL NOTATION SYMBOL-51  
• vocal second sharp of g'
- 1D21A  GREEK VOCAL NOTATION SYMBOL-52  
• vocal a'
- 1D21B  GREEK VOCAL NOTATION SYMBOL-53  
• vocal first sharp of a'
- 1D21C  GREEK VOCAL NOTATION SYMBOL-54  
= Greek instrumental notation symbol-20  
• vocal second sharp of a'  
• instrumental first sharp of d

**Ancient Greek instrumental notation**

- 1D21D  GREEK INSTRUMENTAL NOTATION SYMBOL-1  
• instrumental E
- 1D21E  GREEK INSTRUMENTAL NOTATION SYMBOL-2  
• instrumental first sharp of E
- 1D21F  GREEK INSTRUMENTAL NOTATION SYMBOL-4  
• instrumental F
- 1D220  GREEK INSTRUMENTAL NOTATION SYMBOL-5  
• instrumental first sharp of F
- 1D221  GREEK INSTRUMENTAL NOTATION SYMBOL-7  
• instrumental G
- 1D222  GREEK INSTRUMENTAL NOTATION SYMBOL-8  
• instrumental first sharp of G
- 1D223  GREEK INSTRUMENTAL NOTATION SYMBOL-11  
• instrumental first sharp of A
- 1D224  GREEK INSTRUMENTAL NOTATION SYMBOL-12  
• instrumental second sharp of A
- 1D225  GREEK INSTRUMENTAL NOTATION SYMBOL-13  
• instrumental B
- 1D226  GREEK INSTRUMENTAL NOTATION SYMBOL-14  
• instrumental first sharp of B
- 1D227  GREEK INSTRUMENTAL NOTATION SYMBOL-17  
• instrumental first sharp of c
- 1D228  GREEK INSTRUMENTAL NOTATION SYMBOL-18  
• instrumental second sharp of c
- 1D229  GREEK INSTRUMENTAL NOTATION SYMBOL-19  
• instrumental d
- 1D22A  GREEK INSTRUMENTAL NOTATION SYMBOL-23  
• instrumental first sharp of e
- 1D22B  GREEK INSTRUMENTAL NOTATION SYMBOL-24  
• instrumental second sharp of e
- 1D22C  GREEK INSTRUMENTAL NOTATION SYMBOL-25  
• instrumental f

- 1D22D 𐀀 GREEK INSTRUMENTAL NOTATION SYMBOL-26  
• instrumental first sharp of f
- 1D22E 𐀁 GREEK INSTRUMENTAL NOTATION SYMBOL-27  
• instrumental second sharp of f
- 1D22F 𐀂 GREEK INSTRUMENTAL NOTATION SYMBOL-29  
• instrumental first sharp of g
- 1D230 𐀃 GREEK INSTRUMENTAL NOTATION SYMBOL-30  
• instrumental second sharp of g
- 1D231 𐀄 GREEK INSTRUMENTAL NOTATION SYMBOL-32  
• instrumental first sharp of a
- 1D232 𐀅 GREEK INSTRUMENTAL NOTATION SYMBOL-36  
• instrumental second sharp of b
- 1D233 𐀆 GREEK INSTRUMENTAL NOTATION SYMBOL-37  
• instrumental c´
- 1D234 𐀇 GREEK INSTRUMENTAL NOTATION SYMBOL-38  
• instrumental first sharp of c´
- 1D235 𐀈 GREEK INSTRUMENTAL NOTATION SYMBOL-39  
• instrumental second sharp of c´
- 1D236 𐀉 GREEK INSTRUMENTAL NOTATION SYMBOL-40  
• instrumental d´
- 1D237 𐀊 GREEK INSTRUMENTAL NOTATION SYMBOL-42  
• instrumental second sharp of d´
- 1D238 𐀋 GREEK INSTRUMENTAL NOTATION SYMBOL-43  
• instrumental e´
- 1D239 𐀌 GREEK INSTRUMENTAL NOTATION SYMBOL-45  
• instrumental second sharp of e´
- 1D23A 𐀍 GREEK INSTRUMENTAL NOTATION SYMBOL-47  
• instrumental first sharp of f´  
• similar but not identical to 002F /
- 1D23B 𐀎 GREEK INSTRUMENTAL NOTATION SYMBOL-48  
• instrumental second sharp of f´  
• similar but not identical to 005C \
- 1D23C 𐀏 GREEK INSTRUMENTAL NOTATION SYMBOL-49  
• instrumental g´
- 1D23D 𐀐 GREEK INSTRUMENTAL NOTATION SYMBOL-50  
• instrumental first sharp of g´
- 1D23E 𐀑 GREEK INSTRUMENTAL NOTATION SYMBOL-51  
• instrumental second sharp of g´
- 1D23F 𐀒 GREEK INSTRUMENTAL NOTATION SYMBOL-52  
• instrumental a´
- 1D240 𐀓 GREEK INSTRUMENTAL NOTATION SYMBOL-53  
• instrumental first sharp of a´
- 1D241 𐀔 GREEK INSTRUMENTAL NOTATION SYMBOL-54  
• instrumental second sharp of a´

**Further Greek musical notation symbols**

- 1D242 𐀕 COMBINING GREEK MUSICAL TRISEME  
→ 23D7 𐀕 metrical triseme
- 1D243 𐀖 COMBINING GREEK MUSICAL TETRASEME  
→ 23D8 𐀖 metrical tetraseme
- 1D244 𐀗 COMBINING GREEK MUSICAL PENTASEME  
→ 23D9 𐀗 metrical pentaseme
- 1D245 𐀘 GREEK MUSICAL LEIMMA

	1D30	1D31	1D32	1D33	1D34	1D35
0	1D300	1D310	1D320	1D330	1D340	1D350
1	1D301	1D311	1D321	1D331	1D341	1D351
2	1D302	1D312	1D322	1D332	1D342	1D352
3	1D303	1D313	1D323	1D333	1D343	1D353
4	1D304	1D314	1D324	1D334	1D344	1D354
5	1D305	1D315	1D325	1D335	1D345	1D355
6	1D306	1D316	1D326	1D336	1D346	1D356
7	1D307	1D317	1D327	1D337	1D347	
8	1D308	1D318	1D328	1D338	1D348	
9	1D309	1D319	1D329	1D339	1D349	
A	1D30A	1D31A	1D32A	1D33A	1D34A	
B	1D30B	1D31B	1D32B	1D33B	1D34B	
C	1D30C	1D31C	1D32C	1D33C	1D34C	
D	1D30D	1D31D	1D32D	1D33D	1D34D	
E	1D30E	1D31E	1D32E	1D33E	1D34E	
F	1D30F	1D31F	1D32F	1D33F	1D34F	

*These symbols are an extension of the better-known Yijing symbols found in the Miscellaneous Symbols block. The names for the monogram and digram symbols here are not correct translations of the usual Chinese terminology.*

### Monogram

- 1D300 ☳ MONOGRAM FOR EARTH  
= ren  
• usually associated with human (Chinese ren), rather than earth  
→ 268A ☰ monogram for yang  
→ 268B ☷ monogram for yin

### Digrams




















*The digrams extend the set of Yijing digrams; note that the Chinese aliases more correctly represent their interpretation.*

- 1D301 ☰ DIGRAM FOR HEAVENLY EARTH  
= tian ren  
1D302 ☷ DIGRAM FOR HUMAN EARTH  
= di ren  
1D303 ☱ DIGRAM FOR EARTHLY HEAVEN  
= ren tian  
1D304 ☲ DIGRAM FOR EARTHLY HUMAN  
= ren di  
1D305 ☳ DIGRAM FOR EARTH  
= ren ren

### Tetragrams













- 1D306 ☰ TETRAGRAM FOR CENTRE  
1D307 ☵ TETRAGRAM FOR FULL CIRCLE  
1D308 ☶ TETRAGRAM FOR MIRE  
1D309 ☱ TETRAGRAM FOR BARRIER  
1D30A ☳ TETRAGRAM FOR KEEPING SMALL  
1D30B ☲ TETRAGRAM FOR CONTRARIETY  
1D30C ☰ TETRAGRAM FOR ASCENT  
1D30D ☱ TETRAGRAM FOR OPPOSITION  
1D30E ☳ TETRAGRAM FOR BRANCHING OUT  
1D30F ☱ TETRAGRAM FOR DEFECTIVENESS OR DISTORTION  
  
1D310 ☱ TETRAGRAM FOR DIVERGENCE  
1D311 ☲ TETRAGRAM FOR YOUTHFULNESS  
1D312 ☳ TETRAGRAM FOR INCREASE  
1D313 ☱ TETRAGRAM FOR PENETRATION  
1D314 ☱ TETRAGRAM FOR REACH  
1D315 ☱ TETRAGRAM FOR CONTACT  
1D316 ☱ TETRAGRAM FOR HOLDING BACK  
1D317 ☱ TETRAGRAM FOR WAITING  
1D318 ☱ TETRAGRAM FOR FOLLOWING  
1D319 ☱ TETRAGRAM FOR ADVANCE  
1D31A ☱ TETRAGRAM FOR RELEASE  
1D31B ☱ TETRAGRAM FOR RESISTANCE  
1D31C ☱ TETRAGRAM FOR EASE  
1D31D ☱ TETRAGRAM FOR JOY  
1D31E ☱ TETRAGRAM FOR CONTENTION  
1D31F ☱ TETRAGRAM FOR ENDEAVOUR  
1D320 ☱ TETRAGRAM FOR DUTIES  
1D321 ☱ TETRAGRAM FOR CHANGE  
1D322 ☱ TETRAGRAM FOR DECISIVENESS  
1D323 ☱ TETRAGRAM FOR BOLD RESOLUTION  
1D324 ☱ TETRAGRAM FOR PACKING  
1D325 ☱ TETRAGRAM FOR LEGION  
1D326 ☱ TETRAGRAM FOR CLOSENESS  
1D327 ☱ TETRAGRAM FOR KINSHIP


- 1D328 ☱ TETRAGRAM FOR GATHERING  
1D329 ☱ TETRAGRAM FOR STRENGTH  
1D32A ☱ TETRAGRAM FOR PURITY  
1D32B ☱ TETRAGRAM FOR FULLNESS  
1D32C ☱ TETRAGRAM FOR RESIDENCE  
1D32D ☱ TETRAGRAM FOR LAW OR MODEL  
1D32E ☱ TETRAGRAM FOR RESPONSE  
1D32F ☱ TETRAGRAM FOR GOING TO MEET  
1D330 ☱ TETRAGRAM FOR ENCOUNTERS  
1D331 ☱ TETRAGRAM FOR STOVE  
1D332 ☱ TETRAGRAM FOR GREATNESS  
1D333 ☱ TETRAGRAM FOR ENLARGEMENT  
1D334 ☱ TETRAGRAM FOR PATTERN  
1D335 ☱ TETRAGRAM FOR RITUAL  
1D336 ☱ TETRAGRAM FOR FLIGHT  
1D337 ☱ TETRAGRAM FOR VASTNESS OR WASTING  
1D338 ☱ TETRAGRAM FOR CONSTANCY  
1D339 ☱ TETRAGRAM FOR MEASURE  
1D33A ☱ TETRAGRAM FOR ETERNITY  
1D33B ☱ TETRAGRAM FOR UNITY  
1D33C ☱ TETRAGRAM FOR DIMINISHMENT  
1D33D ☱ TETRAGRAM FOR CLOSED MOUTH  
1D33E ☱ TETRAGRAM FOR GUARDEDNESS  
1D33F ☱ TETRAGRAM FOR GATHERING IN  
1D340 ☱ TETRAGRAM FOR MASSING  
1D341 ☱ TETRAGRAM FOR ACCUMULATION  
1D342 ☱ TETRAGRAM FOR EMBELLISHMENT  
1D343 ☱ TETRAGRAM FOR DOUBT  
1D344 ☱ TETRAGRAM FOR WATCH  
1D345 ☱ TETRAGRAM FOR SINKING  
1D346 ☱ TETRAGRAM FOR INNER  
1D347 ☱ TETRAGRAM FOR DEPARTURE  
1D348 ☱ TETRAGRAM FOR DARKENING  
1D349 ☱ TETRAGRAM FOR DIMMING  
1D34A ☱ TETRAGRAM FOR EXHAUSTION  
1D34B ☱ TETRAGRAM FOR SEVERANCE  
1D34C ☱ TETRAGRAM FOR STOPPAGE  
1D34D ☱ TETRAGRAM FOR HARDNESS  
1D34E ☱ TETRAGRAM FOR COMPLETION  
1D34F ☱ TETRAGRAM FOR CLOSURE  
1D350 ☱ TETRAGRAM FOR FAILURE  
1D351 ☱ TETRAGRAM FOR AGGRAVATION  
1D352 ☱ TETRAGRAM FOR COMPLIANCE  
1D353 ☱ TETRAGRAM FOR ON THE VERGE  
1D354 ☱ TETRAGRAM FOR DIFFICULTIES  
1D355 ☱ TETRAGRAM FOR LABOURING  
1D356 ☱ TETRAGRAM FOR FOSTERING

	1D36	1D37
0	 1D360	 1D370
1	 1D361	 1D371
2	 1D362	
3	 1D363	
4	 1D364	
5	 1D365	
6	 1D366	
7	 1D367	
8	 1D368	
9	 1D369	
A	 1D36A	
B	 1D36B	
C	 1D36C	
D	 1D36D	
E	 1D36E	
F	 1D36F	

**Counting rod units**

1D360	—	COUNTING ROD UNIT DIGIT ONE
1D361	=	COUNTING ROD UNIT DIGIT TWO
1D362	≡	COUNTING ROD UNIT DIGIT THREE
1D363	≡	COUNTING ROD UNIT DIGIT FOUR
1D364	≡	COUNTING ROD UNIT DIGIT FIVE
1D365	⊥	COUNTING ROD UNIT DIGIT SIX
1D366	⊥	COUNTING ROD UNIT DIGIT SEVEN
1D367	⊥	COUNTING ROD UNIT DIGIT EIGHT
1D368	⊥	COUNTING ROD UNIT DIGIT NINE
1D369		COUNTING ROD TENS DIGIT ONE
1D36A		COUNTING ROD TENS DIGIT TWO
1D36B		COUNTING ROD TENS DIGIT THREE
1D36C		COUNTING ROD TENS DIGIT FOUR
1D36D		COUNTING ROD TENS DIGIT FIVE
1D36E	T	COUNTING ROD TENS DIGIT SIX
1D36F	T	COUNTING ROD TENS DIGIT SEVEN
1D370	TT	COUNTING ROD TENS DIGIT EIGHT
1D371	TT	COUNTING ROD TENS DIGIT NINE

	1D40	1D41	1D42	1D43	1D44	1D45	1D46	1D47	1D48	1D49	1D4A	1D4B	1D4C	1D4D	1D4E	1D4F
0	<b>A</b> 1D400	<b>Q</b> 1D410	<b>g</b> 1D420	<b>w</b> 1D430	<b>M</b> 1D440	<b>c</b> 1D450	<b>s</b> 1D460	<b>I</b> 1D470	<b>Y</b> 1D480	<b>o</b> 1D490		<b>U</b> 1D4B0	<b>k</b> 1D4C0	<b>A</b> 1D4D0	<b>Q</b> 1D4E0	<b>g</b> 1D4F0
1	<b>B</b> 1D401	<b>R</b> 1D411	<b>h</b> 1D421	<b>x</b> 1D431	<b>N</b> 1D441	<b>d</b> 1D451	<b>t</b> 1D461	<b>J</b> 1D471	<b>Z</b> 1D481	<b>p</b> 1D491		<b>V</b> 1D4B1	<b>l</b> 1D4C1	<b>B</b> 1D4D1	<b>R</b> 1D4E1	<b>h</b> 1D4F1
2	<b>C</b> 1D402	<b>S</b> 1D412	<b>i</b> 1D422	<b>y</b> 1D432	<b>O</b> 1D442	<b>e</b> 1D452	<b>u</b> 1D462	<b>K</b> 1D472	<b>a</b> 1D482	<b>q</b> 1D492	<b>G</b> 1D4A2	<b>W</b> 1D4B2	<b>m</b> 1D4C2	<b>C</b> 1D4D2	<b>S</b> 1D4E2	<b>i</b> 1D4F2
3	<b>D</b> 1D403	<b>T</b> 1D413	<b>j</b> 1D423	<b>z</b> 1D433	<b>P</b> 1D443	<b>f</b> 1D453	<b>v</b> 1D463	<b>L</b> 1D473	<b>b</b> 1D483	<b>r</b> 1D493		<b>X</b> 1D4B3	<b>n</b> 1D4C3	<b>D</b> 1D4D3	<b>T</b> 1D4E3	<b>j</b> 1D4F3
4	<b>E</b> 1D404	<b>U</b> 1D414	<b>k</b> 1D424	<b>A</b> 1D434	<b>Q</b> 1D444	<b>g</b> 1D454	<b>w</b> 1D464	<b>M</b> 1D474	<b>c</b> 1D484	<b>s</b> 1D494		<b>Y</b> 1D4B4		<b>E</b> 1D4D4	<b>U</b> 1D4E4	<b>k</b> 1D4F4
5	<b>F</b> 1D405	<b>V</b> 1D415	<b>l</b> 1D425	<b>B</b> 1D435	<b>R</b> 1D445		<b>x</b> 1D465	<b>N</b> 1D475	<b>d</b> 1D485	<b>t</b> 1D495	<b>J</b> 1D4A5	<b>Z</b> 1D4B5	<b>p</b> 1D4C5	<b>F</b> 1D4D5	<b>V</b> 1D4E5	<b>l</b> 1D4F5
6	<b>G</b> 1D406	<b>W</b> 1D416	<b>m</b> 1D426	<b>C</b> 1D436	<b>S</b> 1D446	<b>i</b> 1D456	<b>y</b> 1D466	<b>O</b> 1D476	<b>e</b> 1D486	<b>u</b> 1D496	<b>K</b> 1D4A6	<b>a</b> 1D4B6	<b>q</b> 1D4C6	<b>G</b> 1D4D6	<b>W</b> 1D4E6	<b>m</b> 1D4F6
7	<b>H</b> 1D407	<b>X</b> 1D417	<b>n</b> 1D427	<b>D</b> 1D437	<b>T</b> 1D447	<b>j</b> 1D457	<b>z</b> 1D467	<b>P</b> 1D477	<b>f</b> 1D487	<b>v</b> 1D497		<b>b</b> 1D4B7	<b>r</b> 1D4C7	<b>H</b> 1D4D7	<b>X</b> 1D4E7	<b>n</b> 1D4F7
8	<b>I</b> 1D408	<b>Y</b> 1D418	<b>o</b> 1D428	<b>E</b> 1D438	<b>U</b> 1D448	<b>k</b> 1D458	<b>A</b> 1D468	<b>Q</b> 1D478	<b>g</b> 1D488	<b>w</b> 1D498		<b>c</b> 1D4B8	<b>s</b> 1D4C8	<b>I</b> 1D4D8	<b>Y</b> 1D4E8	<b>o</b> 1D4F8
9	<b>J</b> 1D409	<b>Z</b> 1D419	<b>p</b> 1D429	<b>F</b> 1D439	<b>V</b> 1D449	<b>l</b> 1D459	<b>B</b> 1D469	<b>R</b> 1D479	<b>h</b> 1D489	<b>x</b> 1D499	<b>N</b> 1D4A9	<b>d</b> 1D4B9	<b>t</b> 1D4C9	<b>J</b> 1D4D9	<b>Z</b> 1D4E9	<b>p</b> 1D4F9
A	<b>K</b> 1D40A	<b>a</b> 1D41A	<b>q</b> 1D42A	<b>G</b> 1D43A	<b>W</b> 1D44A	<b>m</b> 1D45A	<b>C</b> 1D46A	<b>S</b> 1D47A	<b>i</b> 1D48A	<b>y</b> 1D49A	<b>O</b> 1D4AA		<b>u</b> 1D4CA	<b>K</b> 1D4DA	<b>a</b> 1D4EA	<b>q</b> 1D4FA
B	<b>L</b> 1D40B	<b>b</b> 1D41B	<b>r</b> 1D42B	<b>H</b> 1D43B	<b>X</b> 1D44B	<b>n</b> 1D45B	<b>D</b> 1D46B	<b>T</b> 1D47B	<b>j</b> 1D48B	<b>z</b> 1D49B	<b>P</b> 1D4AB	<b>f</b> 1D4BB	<b>v</b> 1D4CB	<b>L</b> 1D4DB	<b>b</b> 1D4EB	<b>r</b> 1D4FB
C	<b>M</b> 1D40C	<b>c</b> 1D41C	<b>s</b> 1D42C	<b>I</b> 1D43C	<b>Y</b> 1D44C	<b>o</b> 1D45C	<b>E</b> 1D46C	<b>U</b> 1D47C	<b>k</b> 1D48C	<b>A</b> 1D49C	<b>Q</b> 1D4AC		<b>w</b> 1D4CC	<b>M</b> 1D4DC	<b>c</b> 1D4EC	<b>s</b> 1D4FC
D	<b>N</b> 1D40D	<b>d</b> 1D41D	<b>t</b> 1D42D	<b>J</b> 1D43D	<b>Z</b> 1D44D	<b>p</b> 1D45D	<b>F</b> 1D46D	<b>V</b> 1D47D	<b>l</b> 1D48D			<b>h</b> 1D4BD	<b>x</b> 1D4CD	<b>N</b> 1D4DD	<b>d</b> 1D4ED	<b>t</b> 1D4FD
E	<b>O</b> 1D40E	<b>e</b> 1D41E	<b>u</b> 1D42E	<b>K</b> 1D43E	<b>a</b> 1D44E	<b>q</b> 1D45E	<b>G</b> 1D46E	<b>W</b> 1D47E	<b>m</b> 1D48E	<b>C</b> 1D49E	<b>S</b> 1D4AE	<b>i</b> 1D4BE	<b>y</b> 1D4CE	<b>O</b> 1D4DE	<b>e</b> 1D4EE	<b>u</b> 1D4FE
F	<b>P</b> 1D40F	<b>f</b> 1D41F	<b>v</b> 1D42F	<b>L</b> 1D43F	<b>b</b> 1D44F	<b>r</b> 1D45F	<b>H</b> 1D46F	<b>X</b> 1D47F	<b>n</b> 1D48F	<b>D</b> 1D49F	<b>T</b> 1D4AF	<b>j</b> 1D4BF	<b>z</b> 1D4CF	<b>P</b> 1D4DF	<b>f</b> 1D4EF	<b>v</b> 1D4FF

	1D50	1D51	1D52	1D53	1D54	1D55	1D56	1D57	1D58	1D59	1D5A	1D5B	1D5C	1D5D	1D5E	1D5F
0	w 1D500	M 1D510	c 1D520	s 1D530	II 1D540	Y 1D550	o 1D560	G 1D570	u 1D580	f 1D590	A 1D5A0	Q 1D5B0	g 1D5C0	w 1D5D0	M 1D5E0	c 1D5F0
1	x 1D501	N 1D511	d 1D521	t 1D531	J 1D541		p 1D561	S 1D571	B 1D581	I 1D591	B 1D5A1	R 1D5B1	h 1D5C1	x 1D5D1	N 1D5E1	d 1D5F1
2	y 1D502	D 1D512	e 1D522	u 1D532	K 1D542	a 1D552	q 1D562	G 1D572	B 1D582	m 1D592	C 1D5A2	S 1D5B2	i 1D5C2	y 1D5D2	O 1D5E2	e 1D5F2
3	z 1D503	P 1D513	f 1D523	v 1D533	L 1D543	b 1D553	r 1D563	S 1D573	X 1D583	n 1D593	D 1D5A3	T 1D5B3	j 1D5C3	z 1D5D3	P 1D5E3	f 1D5F3
4	U 1D504	Q 1D514	g 1D524	w 1D534	M 1D544	c 1D554	s 1D564	S 1D574	Y 1D584	o 1D594	E 1D5A4	U 1D5B4	k 1D5C4	A 1D5D4	Q 1D5E4	g 1D5F4
5	B 1D505		h 1D525	x 1D535		d 1D555	t 1D565	S 1D575	3 1D585	p 1D595	F 1D5A5	V 1D5B5	I 1D5C5	B 1D5D5	R 1D5E5	h 1D5F5
6		G 1D516	i 1D526	n 1D536	o 1D546	e 1D556	w 1D566	K 1D576	a 1D586	q 1D596	G 1D5A6	W 1D5B6	m 1D5C6	C 1D5D6	S 1D5E6	i 1D5F6
7	D 1D507	T 1D517	j 1D527	z 1D537		f 1D557	v 1D567	Q 1D577	b 1D587	r 1D597	H 1D5A7	X 1D5B7	n 1D5C7	D 1D5D7	T 1D5E7	j 1D5F7
8	E 1D508	U 1D518	k 1D528	A 1D538		g 1D558	w 1D568	M 1D578	c 1D588	s 1D598	I 1D5A8	Y 1D5B8	o 1D5C8	E 1D5D8	U 1D5E8	k 1D5F8
9	F 1D509	W 1D519	l 1D529	B 1D539		h 1D559	x 1D569	N 1D579	d 1D589	t 1D599	J 1D5A9	Z 1D5B9	p 1D5C9	F 1D5D9	V 1D5E9	I 1D5F9
A	G 1D50A	W 1D51A	m 1D52A		S 1D54A	i 1D55A	y 1D56A	D 1D57A	e 1D58A	u 1D59A	K 1D5AA	a 1D5BA	q 1D5CA	G 1D5DA	W 1D5EA	m 1D5FA
B		X 1D51B	n 1D52B	D 1D53B	T 1D54B	j 1D55B	z 1D56B	P 1D57B	f 1D58B	v 1D59B	L 1D5AB	b 1D5BB	r 1D5CB	H 1D5DB	X 1D5EB	n 1D5FB
C		Y 1D51C	o 1D52C	E 1D53C	U 1D54C	k 1D55C	U 1D56C	Q 1D57C	g 1D58C	w 1D59C	M 1D5AC	c 1D5BC	s 1D5CC	I 1D5DC	Y 1D5EC	o 1D5FC
D	J 1D50D		p 1D52D	F 1D53D	V 1D54D	I 1D55D	B 1D56D	N 1D57D	h 1D58D	x 1D59D	N 1D5AD	d 1D5BD	t 1D5CD	J 1D5DD	Z 1D5ED	p 1D5FD
E	K 1D50E	a 1D51E	q 1D52E	G 1D53E	W 1D54E	m 1D55E	G 1D56E	S 1D57E	i 1D58E	n 1D59E	O 1D5AE	e 1D5BE	u 1D5CE	K 1D5DE	a 1D5EE	q 1D5FE
F	L 1D50F	b 1D51F	r 1D52F		X 1D54F	n 1D55F	D 1D56F	Q 1D57F	j 1D58F	z 1D59F	P 1D5AF	f 1D5BF	v 1D5CF	L 1D5DF	b 1D5EF	r 1D5FF



1D60 1D61 1D62 1D63 1D64 1D65 1D66 1D67 1D68 1D69 1D6A 1D6B 1D6C 1D6D 1D6E 1D6F

0	<b>s</b> 1D600	<i>l</i> 1D610	<i>Y</i> 1D620	<i>o</i> 1D630	<b>E</b> 1D640	<b>U</b> 1D650	<b>k</b> 1D660	<b>A</b> 1D670	<b>Q</b> 1D680	<i>g</i> 1D690	<i>w</i> 1D6A0	<b>I</b> 1D6B0	<b>Ω</b> 1D6C0	<i>o</i> 1D6D0	<i>ρ</i> 1D6E0	<b>O</b> 1D6F0
1	<b>t</b> 1D601	<b>J</b> 1D611	<b>Z</b> 1D621	<i>p</i> 1D631	<b>F</b> 1D641	<b>V</b> 1D651	<i>l</i> 1D661	<b>B</b> 1D671	<b>R</b> 1D681	<i>h</i> 1D691	<i>x</i> 1D6A1	<b>K</b> 1D6B1	<b>∇</b> 1D6C1	<i>π</i> 1D6D1	<i>ω</i> 1D6E1	<b>Π</b> 1D6F1
2	<b>u</b> 1D602	<b>K</b> 1D612	<i>a</i> 1D622	<i>q</i> 1D632	<b>G</b> 1D642	<b>W</b> 1D652	<i>m</i> 1D662	<b>C</b> 1D672	<b>S</b> 1D682	<i>i</i> 1D692	<i>y</i> 1D6A2	<b>Λ</b> 1D6B2	<b>α</b> 1D6C2	<i>ρ</i> 1D6D2	<b>A</b> 1D6E2	<b>P</b> 1D6F2
3	<b>v</b> 1D603	<b>L</b> 1D613	<i>b</i> 1D623	<i>r</i> 1D633	<b>H</b> 1D643	<b>X</b> 1D653	<i>n</i> 1D663	<b>D</b> 1D673	<b>T</b> 1D683	<i>j</i> 1D693	<i>z</i> 1D6A3	<b>M</b> 1D6B3	<b>β</b> 1D6C3	<i>ς</i> 1D6D3	<b>B</b> 1D6E3	<b>Θ</b> 1D6F3
4	<b>w</b> 1D604	<b>M</b> 1D614	<i>c</i> 1D624	<i>s</i> 1D634	<i>l</i> 1D644	<i>Y</i> 1D654	<i>o</i> 1D664	<b>E</b> 1D674	<b>U</b> 1D684	<b>k</b> 1D694	<i>ι</i> 1D6A4	<b>N</b> 1D6B4	<i>γ</i> 1D6C4	<i>σ</i> 1D6D4	<b>Γ</b> 1D6E4	<b>Σ</b> 1D6F4
5	<b>x</b> 1D605	<b>N</b> 1D615	<i>d</i> 1D625	<i>t</i> 1D635	<b>J</b> 1D645	<b>Z</b> 1D655	<i>p</i> 1D665	<b>F</b> 1D675	<b>V</b> 1D685	<i>l</i> 1D695	<i>j</i> 1D6A5	<b>Ξ</b> 1D6B5	<i>δ</i> 1D6C5	<i>τ</i> 1D6D5	<b>Δ</b> 1D6E5	<b>T</b> 1D6F5
6	<b>y</b> 1D606	<b>O</b> 1D616	<i>e</i> 1D626	<i>u</i> 1D636	<b>K</b> 1D646	<b>a</b> 1D656	<b>q</b> 1D666	<b>G</b> 1D676	<b>W</b> 1D686	<i>m</i> 1D696		<b>O</b> 1D6B6	<i>ε</i> 1D6C6	<i>υ</i> 1D6D6	<b>E</b> 1D6E6	<b>Υ</b> 1D6F6
7	<b>z</b> 1D607	<b>P</b> 1D617	<i>f</i> 1D627	<i>v</i> 1D637	<b>L</b> 1D647	<b>b</b> 1D657	<i>r</i> 1D667	<b>H</b> 1D677	<b>X</b> 1D687	<i>n</i> 1D697		<b>Π</b> 1D6B7	<i>ζ</i> 1D6C7	<i>φ</i> 1D6D7	<b>Z</b> 1D6E7	<b>Φ</b> 1D6F7
8	<b>A</b> 1D608	<b>Q</b> 1D618	<i>g</i> 1D628	<i>w</i> 1D638	<b>M</b> 1D648	<b>c</b> 1D658	<b>s</b> 1D668	<b>I</b> 1D678	<b>Y</b> 1D688	<i>o</i> 1D698	<b>A</b> 1D6A8	<b>P</b> 1D6B8	<i>η</i> 1D6C8	<i>χ</i> 1D6D8	<b>H</b> 1D6E8	<b>X</b> 1D6F8
9	<b>B</b> 1D609	<b>R</b> 1D619	<i>h</i> 1D629	<i>x</i> 1D639	<b>N</b> 1D649	<b>d</b> 1D659	<b>t</b> 1D669	<b>J</b> 1D679	<b>Z</b> 1D689	<i>p</i> 1D699	<b>B</b> 1D6A9	<b>Θ</b> 1D6B9	<i>θ</i> 1D6C9	<i>ψ</i> 1D6D9	<b>⊖</b> 1D6E9	<b>Ψ</b> 1D6F9
A	<b>C</b> 1D60A	<b>S</b> 1D61A	<i>i</i> 1D62A	<i>y</i> 1D63A	<b>O</b> 1D64A	<b>e</b> 1D65A	<b>u</b> 1D66A	<b>K</b> 1D67A	<b>a</b> 1D68A	<b>q</b> 1D69A	<b>Γ</b> 1D6AA	<b>Σ</b> 1D6BA	<i>ι</i> 1D6CA	<i>ω</i> 1D6DA	<b>I</b> 1D6EA	<b>Ω</b> 1D6FA
B	<b>D</b> 1D60B	<b>T</b> 1D61B	<i>j</i> 1D62B	<i>z</i> 1D63B	<b>P</b> 1D64B	<b>f</b> 1D65B	<b>v</b> 1D66B	<b>L</b> 1D67B	<b>b</b> 1D68B	<i>r</i> 1D69B	<b>Δ</b> 1D6AB	<b>T</b> 1D6BB	<i>κ</i> 1D6CB	<i>ð</i> 1D6DB	<b>K</b> 1D6EB	<b>∇</b> 1D6FB
C	<b>E</b> 1D60C	<b>U</b> 1D61C	<b>k</b> 1D62C	<b>A</b> 1D63C	<b>Q</b> 1D64C	<i>g</i> 1D65C	<i>w</i> 1D66C	<b>M</b> 1D67C	<b>c</b> 1D68C	<i>s</i> 1D69C	<b>E</b> 1D6AC	<b>Υ</b> 1D6BC	<i>λ</i> 1D6CC	<i>ε</i> 1D6DC	<b>Λ</b> 1D6EC	<b>α</b> 1D6FC
D	<b>F</b> 1D60D	<b>V</b> 1D61D	<i>l</i> 1D62D	<b>B</b> 1D63D	<b>R</b> 1D64D	<i>h</i> 1D65D	<i>x</i> 1D66D	<b>N</b> 1D67D	<b>d</b> 1D68D	<i>t</i> 1D69D	<b>Z</b> 1D6AD	<b>Φ</b> 1D6BD	<i>μ</i> 1D6CD	<i>ϑ</i> 1D6DD	<b>M</b> 1D6ED	<b>β</b> 1D6FD
E	<b>G</b> 1D60E	<b>W</b> 1D61E	<i>m</i> 1D62E	<b>C</b> 1D63E	<b>S</b> 1D64E	<i>i</i> 1D65E	<i>y</i> 1D66E	<b>O</b> 1D67E	<b>e</b> 1D68E	<b>u</b> 1D69E	<b>H</b> 1D6AE	<b>X</b> 1D6BE	<i>ν</i> 1D6CE	<i>κ</i> 1D6DE	<b>N</b> 1D6EE	<i>γ</i> 1D6FE
F	<b>H</b> 1D60F	<b>X</b> 1D61F	<i>n</i> 1D62F	<b>D</b> 1D63F	<b>T</b> 1D64F	<i>j</i> 1D65F	<b>z</b> 1D66F	<b>P</b> 1D67F	<b>f</b> 1D68F	<i>v</i> 1D69F	<b>⊖</b> 1D6AF	<b>Ψ</b> 1D6BF	<i>ξ</i> 1D6CF	<i>φ</i> 1D6DF	<b>Ξ</b> 1D6EF	<i>δ</i> 1D6FF

	1D70	1D71	1D72	1D73	1D74	1D75	1D76	1D77	1D78	1D79	1D7A	1D7B	1D7C	1D7D	1D7E	1D7F
0	ε 1D700	υ 1D710	Ε 1D720	Υ 1D730	λ 1D740	ε 1D750	Λ 1D760	α 1D770	ρ 1D780	Α 1D790	Ρ 1D7A0	η 1D7B0	χ 1D7C0	2 1D7D0	8 1D7E0	4 1D7F0
1	ζ 1D701	φ 1D711	Z 1D721	Φ 1D731	μ 1D741	ϑ 1D751	Μ 1D761	β 1D771	ς 1D781	Β 1D791	Θ 1D7A1	θ 1D7B1	ψ 1D7C1	3 1D7D1	9 1D7E1	5 1D7F1
2	η 1D702	χ 1D712	Η 1D722	Χ 1D732	ν 1D742	κ 1D752	Ν 1D762	γ 1D772	σ 1D782	Γ 1D792	Σ 1D7A2	ι 1D7B2	ω 1D7C2	4 1D7D2	0 1D7E2	6 1D7F2
3	θ 1D703	ψ 1D713	Θ 1D723	Ψ 1D733	ξ 1D743	φ 1D753	Ξ 1D763	δ 1D773	τ 1D783	Δ 1D793	Τ 1D7A3	κ 1D7B3	∂ 1D7C3	5 1D7D3	1 1D7E3	7 1D7F3
4	ι 1D704	ω 1D714	Ι 1D724	Ω 1D734	ο 1D744	ρ 1D754	Ο 1D764	ε 1D774	υ 1D784	Ε 1D794	Υ 1D7A4	λ 1D7B4	ε 1D7C4	6 1D7D4	2 1D7E4	8 1D7F4
5	κ 1D705	∂ 1D715	Κ 1D725	∇ 1D735	π 1D745	ϖ 1D755	Π 1D765	ζ 1D775	φ 1D785	Z 1D795	Φ 1D7A5	μ 1D7B5	ϑ 1D7C5	7 1D7D5	3 1D7E5	9 1D7F5
6	λ 1D706	ε 1D716	Λ 1D726	α 1D736	ρ 1D746	Α 1D756	Ρ 1D766	η 1D776	χ 1D786	Η 1D796	Χ 1D7A6	ν 1D7B6	κ 1D7C6	8 1D7D6	4 1D7E6	0 1D7F6
7	μ 1D707	ϑ 1D717	Μ 1D727	β 1D737	ς 1D747	Β 1D757	Θ 1D767	θ 1D777	ψ 1D787	Θ 1D797	Ψ 1D7A7	ξ 1D7B7	φ 1D7C7	9 1D7D7	5 1D7E7	1 1D7F7
8	ν 1D708	κ 1D718	Ν 1D728	γ 1D738	σ 1D748	Γ 1D758	Σ 1D768	ι 1D778	ω 1D788	Ι 1D798	Ω 1D7A8	ο 1D7B8	ρ 1D7C8	⊖ 1D7D8	6 1D7E8	2 1D7F8
9	ξ 1D709	φ 1D719	Ξ 1D729	δ 1D739	τ 1D749	Δ 1D759	Τ 1D769	κ 1D779	∂ 1D789	Κ 1D799	∇ 1D7A9	π 1D7B9	ϖ 1D7C9	1 1D7D9	7 1D7E9	3 1D7F9
A	ο 1D70A	ρ 1D71A	Ο 1D72A	ε 1D73A	υ 1D74A	Ε 1D75A	Υ 1D76A	λ 1D77A	ε 1D78A	Λ 1D79A	α 1D7AA	ρ 1D7BA	ƒ 1D7CA	2 1D7DA	8 1D7EA	4 1D7FA
B	π 1D70B	ϖ 1D71B	Π 1D72B	ζ 1D73B	φ 1D74B	Z 1D75B	Φ 1D76B	μ 1D77B	ϑ 1D78B	Μ 1D79B	β 1D7AB	ς 1D7BB	ƒ 1D7CB	3 1D7DB	9 1D7EB	5 1D7FB
C	ρ 1D70C	Α 1D71C	Ρ 1D72C	η 1D73C	χ 1D74C	Η 1D75C	Χ 1D76C	ν 1D77C	κ 1D78C	Ν 1D79C	γ 1D7AC	σ 1D7BC		4 1D7DC	0 1D7EC	6 1D7FC
D	ς 1D70D	Β 1D71D	Θ 1D72D	θ 1D73D	ψ 1D74D	Θ 1D75D	Ψ 1D76D	ξ 1D77D	φ 1D78D	Ξ 1D79D	δ 1D7AD	τ 1D7BD		5 1D7DD	1 1D7ED	7 1D7FD
E	σ 1D70E	Γ 1D71E	Σ 1D72E	ι 1D73E	ω 1D74E	Ι 1D75E	Ω 1D76E	ο 1D77E	ρ 1D78E	Ο 1D79E	ε 1D7AE	υ 1D7BE	0 1D7CE	6 1D7DE	2 1D7EE	8 1D7FE
F	τ 1D70F	Δ 1D71F	Τ 1D72F	κ 1D73F	∂ 1D74F	Κ 1D75F	∇ 1D76F	π 1D77F	ϖ 1D78F	Π 1D79F	ζ 1D7AF	φ 1D7BF	1 1D7CF	7 1D7DF	3 1D7EF	9 1D7FF

*To be used for mathematical variables where style variations are important semantically. For general text, use standard Latin and Greek letters with markup.*

**Bold symbols**

1D400	<b>A</b>	MATHEMATICAL BOLD CAPITAL A ≈ <font> 0041 <b>A</b> latin capital letter a
1D401	<b>B</b>	MATHEMATICAL BOLD CAPITAL B ≈ <font> 0042 <b>B</b> latin capital letter b
1D402	<b>C</b>	MATHEMATICAL BOLD CAPITAL C ≈ <font> 0043 <b>C</b> latin capital letter c
1D403	<b>D</b>	MATHEMATICAL BOLD CAPITAL D ≈ <font> 0044 <b>D</b> latin capital letter d
1D404	<b>E</b>	MATHEMATICAL BOLD CAPITAL E ≈ <font> 0045 <b>E</b> latin capital letter e
1D405	<b>F</b>	MATHEMATICAL BOLD CAPITAL F ≈ <font> 0046 <b>F</b> latin capital letter f
1D406	<b>G</b>	MATHEMATICAL BOLD CAPITAL G ≈ <font> 0047 <b>G</b> latin capital letter g
1D407	<b>H</b>	MATHEMATICAL BOLD CAPITAL H ≈ <font> 0048 <b>H</b> latin capital letter h
1D408	<b>I</b>	MATHEMATICAL BOLD CAPITAL I ≈ <font> 0049 <b>I</b> latin capital letter i
1D409	<b>J</b>	MATHEMATICAL BOLD CAPITAL J ≈ <font> 004A <b>J</b> latin capital letter j
1D40A	<b>K</b>	MATHEMATICAL BOLD CAPITAL K ≈ <font> 004B <b>K</b> latin capital letter k
1D40B	<b>L</b>	MATHEMATICAL BOLD CAPITAL L ≈ <font> 004C <b>L</b> latin capital letter l
1D40C	<b>M</b>	MATHEMATICAL BOLD CAPITAL M ≈ <font> 004D <b>M</b> latin capital letter m
1D40D	<b>N</b>	MATHEMATICAL BOLD CAPITAL N ≈ <font> 004E <b>N</b> latin capital letter n
1D40E	<b>O</b>	MATHEMATICAL BOLD CAPITAL O ≈ <font> 004F <b>O</b> latin capital letter o
1D40F	<b>P</b>	MATHEMATICAL BOLD CAPITAL P ≈ <font> 0050 <b>P</b> latin capital letter p
1D410	<b>Q</b>	MATHEMATICAL BOLD CAPITAL Q ≈ <font> 0051 <b>Q</b> latin capital letter q
1D411	<b>R</b>	MATHEMATICAL BOLD CAPITAL R ≈ <font> 0052 <b>R</b> latin capital letter r
1D412	<b>S</b>	MATHEMATICAL BOLD CAPITAL S ≈ <font> 0053 <b>S</b> latin capital letter s
1D413	<b>T</b>	MATHEMATICAL BOLD CAPITAL T ≈ <font> 0054 <b>T</b> latin capital letter t
1D414	<b>U</b>	MATHEMATICAL BOLD CAPITAL U ≈ <font> 0055 <b>U</b> latin capital letter u
1D415	<b>V</b>	MATHEMATICAL BOLD CAPITAL V ≈ <font> 0056 <b>V</b> latin capital letter v
1D416	<b>W</b>	MATHEMATICAL BOLD CAPITAL W ≈ <font> 0057 <b>W</b> latin capital letter w
1D417	<b>X</b>	MATHEMATICAL BOLD CAPITAL X ≈ <font> 0058 <b>X</b> latin capital letter x
1D418	<b>Y</b>	MATHEMATICAL BOLD CAPITAL Y ≈ <font> 0059 <b>Y</b> latin capital letter y
1D419	<b>Z</b>	MATHEMATICAL BOLD CAPITAL Z ≈ <font> 005A <b>Z</b> latin capital letter z
1D41A	<b>a</b>	MATHEMATICAL BOLD SMALL A ≈ <font> 0061 <b>a</b> latin small letter a
1D41B	<b>b</b>	MATHEMATICAL BOLD SMALL B ≈ <font> 0062 <b>b</b> latin small letter b

1D41C	<b>c</b>	MATHEMATICAL BOLD SMALL C ≈ <font> 0063 <b>c</b> latin small letter c
1D41D	<b>d</b>	MATHEMATICAL BOLD SMALL D ≈ <font> 0064 <b>d</b> latin small letter d
1D41E	<b>e</b>	MATHEMATICAL BOLD SMALL E ≈ <font> 0065 <b>e</b> latin small letter e
1D41F	<b>f</b>	MATHEMATICAL BOLD SMALL F ≈ <font> 0066 <b>f</b> latin small letter f
1D420	<b>g</b>	MATHEMATICAL BOLD SMALL G ≈ <font> 0067 <b>g</b> latin small letter g
1D421	<b>h</b>	MATHEMATICAL BOLD SMALL H ≈ <font> 0068 <b>h</b> latin small letter h
1D422	<b>i</b>	MATHEMATICAL BOLD SMALL I ≈ <font> 0069 <b>i</b> latin small letter i
1D423	<b>j</b>	MATHEMATICAL BOLD SMALL J ≈ <font> 006A <b>j</b> latin small letter j
1D424	<b>k</b>	MATHEMATICAL BOLD SMALL K ≈ <font> 006B <b>k</b> latin small letter k
1D425	<b>l</b>	MATHEMATICAL BOLD SMALL L ≈ <font> 006C <b>l</b> latin small letter l
1D426	<b>m</b>	MATHEMATICAL BOLD SMALL M ≈ <font> 006D <b>m</b> latin small letter m
1D427	<b>n</b>	MATHEMATICAL BOLD SMALL N ≈ <font> 006E <b>n</b> latin small letter n
1D428	<b>o</b>	MATHEMATICAL BOLD SMALL O ≈ <font> 006F <b>o</b> latin small letter o
1D429	<b>p</b>	MATHEMATICAL BOLD SMALL P ≈ <font> 0070 <b>p</b> latin small letter p
1D42A	<b>q</b>	MATHEMATICAL BOLD SMALL Q ≈ <font> 0071 <b>q</b> latin small letter q
1D42B	<b>r</b>	MATHEMATICAL BOLD SMALL R ≈ <font> 0072 <b>r</b> latin small letter r
1D42C	<b>s</b>	MATHEMATICAL BOLD SMALL S ≈ <font> 0073 <b>s</b> latin small letter s
1D42D	<b>t</b>	MATHEMATICAL BOLD SMALL T ≈ <font> 0074 <b>t</b> latin small letter t
1D42E	<b>u</b>	MATHEMATICAL BOLD SMALL U ≈ <font> 0075 <b>u</b> latin small letter u
1D42F	<b>v</b>	MATHEMATICAL BOLD SMALL V ≈ <font> 0076 <b>v</b> latin small letter v
1D430	<b>w</b>	MATHEMATICAL BOLD SMALL W ≈ <font> 0077 <b>w</b> latin small letter w
1D431	<b>x</b>	MATHEMATICAL BOLD SMALL X ≈ <font> 0078 <b>x</b> latin small letter x
1D432	<b>y</b>	MATHEMATICAL BOLD SMALL Y ≈ <font> 0079 <b>y</b> latin small letter y
1D433	<b>z</b>	MATHEMATICAL BOLD SMALL Z ≈ <font> 007A <b>z</b> latin small letter z

**Italic symbols**

*Italic symbols already encoded in the Letterlike Symbols block are omitted here to avoid duplicate encoding.*

1D434	<i>A</i>	MATHEMATICAL ITALIC CAPITAL A ≈ <font> 0041 <i>A</i> latin capital letter a
1D435	<i>B</i>	MATHEMATICAL ITALIC CAPITAL B ≈ <font> 0042 <i>B</i> latin capital letter b
1D436	<i>C</i>	MATHEMATICAL ITALIC CAPITAL C ≈ <font> 0043 <i>C</i> latin capital letter c
1D437	<i>D</i>	MATHEMATICAL ITALIC CAPITAL D ≈ <font> 0044 <i>D</i> latin capital letter d
1D438	<i>E</i>	MATHEMATICAL ITALIC CAPITAL E ≈ <font> 0045 <i>E</i> latin capital letter e

1D439 *F* MATHEMATICAL ITALIC CAPITAL F  
 ≈ <font> 0046 **F** latin capital letter f

1D43A *G* MATHEMATICAL ITALIC CAPITAL G  
 ≈ <font> 0047 **G** latin capital letter g

1D43B *H* MATHEMATICAL ITALIC CAPITAL H  
 ≈ <font> 0048 **H** latin capital letter h

1D43C *I* MATHEMATICAL ITALIC CAPITAL I  
 ≈ <font> 0049 **I** latin capital letter i

1D43D *J* MATHEMATICAL ITALIC CAPITAL J  
 ≈ <font> 004A **J** latin capital letter j

1D43E *K* MATHEMATICAL ITALIC CAPITAL K  
 ≈ <font> 004B **K** latin capital letter k

1D43F *L* MATHEMATICAL ITALIC CAPITAL L  
 ≈ <font> 004C **L** latin capital letter l

1D440 *M* MATHEMATICAL ITALIC CAPITAL M  
 ≈ <font> 004D **M** latin capital letter m

1D441 *N* MATHEMATICAL ITALIC CAPITAL N  
 ≈ <font> 004E **N** latin capital letter n

1D442 *O* MATHEMATICAL ITALIC CAPITAL O  
 ≈ <font> 004F **O** latin capital letter o

1D443 *P* MATHEMATICAL ITALIC CAPITAL P  
 ≈ <font> 0050 **P** latin capital letter p

1D444 *Q* MATHEMATICAL ITALIC CAPITAL Q  
 ≈ <font> 0051 **Q** latin capital letter q

1D445 *R* MATHEMATICAL ITALIC CAPITAL R  
 ≈ <font> 0052 **R** latin capital letter r

1D446 *S* MATHEMATICAL ITALIC CAPITAL S  
 ≈ <font> 0053 **S** latin capital letter s

1D447 *T* MATHEMATICAL ITALIC CAPITAL T  
 ≈ <font> 0054 **T** latin capital letter t

1D448 *U* MATHEMATICAL ITALIC CAPITAL U  
 ≈ <font> 0055 **U** latin capital letter u

1D449 *V* MATHEMATICAL ITALIC CAPITAL V  
 ≈ <font> 0056 **V** latin capital letter v

1D44A *W* MATHEMATICAL ITALIC CAPITAL W  
 ≈ <font> 0057 **W** latin capital letter w

1D44B *X* MATHEMATICAL ITALIC CAPITAL X  
 ≈ <font> 0058 **X** latin capital letter x

1D44C *Y* MATHEMATICAL ITALIC CAPITAL Y  
 ≈ <font> 0059 **Y** latin capital letter y

1D44D *Z* MATHEMATICAL ITALIC CAPITAL Z  
 ≈ <font> 005A **Z** latin capital letter z

1D44E *a* MATHEMATICAL ITALIC SMALL A  
 ≈ <font> 0061 **a** latin small letter a

1D44F *b* MATHEMATICAL ITALIC SMALL B  
 ≈ <font> 0062 **b** latin small letter b


1D450 *c* MATHEMATICAL ITALIC SMALL C  
 ≈ <font> 0063 **c** latin small letter c

1D451 *d* MATHEMATICAL ITALIC SMALL D  
 ≈ <font> 0064 **d** latin small letter d

1D452 *e* MATHEMATICAL ITALIC SMALL E  
 ≈ <font> 0065 **e** latin small letter e

1D453 *f* MATHEMATICAL ITALIC SMALL F  
 ≈ <font> 0066 **f** latin small letter f

1D454 *g* MATHEMATICAL ITALIC SMALL G  
 ≈ <font> 0067 **g** latin small letter g

1D455  <reserved>  
 → 210E *h* planck constant

1D456 *i* MATHEMATICAL ITALIC SMALL I  
 ≈ <font> 0069 **i** latin small letter i

1D457 *j* MATHEMATICAL ITALIC SMALL J  
 ≈ <font> 006A **j** latin small letter j

1D458 *k* MATHEMATICAL ITALIC SMALL K  
 ≈ <font> 006B **k** latin small letter k

1D459 *l* MATHEMATICAL ITALIC SMALL L  
 ≈ <font> 006C **l** latin small letter l

1D45A *m* MATHEMATICAL ITALIC SMALL M  
 ≈ <font> 006D **m** latin small letter m

1D45B *n* MATHEMATICAL ITALIC SMALL N  
 ≈ <font> 006E **n** latin small letter n

1D45C *o* MATHEMATICAL ITALIC SMALL O  
 ≈ <font> 006F **o** latin small letter o

1D45D *p* MATHEMATICAL ITALIC SMALL P  
 ≈ <font> 0070 **p** latin small letter p

1D45E *q* MATHEMATICAL ITALIC SMALL Q  
 ≈ <font> 0071 **q** latin small letter q

1D45F *r* MATHEMATICAL ITALIC SMALL R  
 ≈ <font> 0072 **r** latin small letter r

1D460 *s* MATHEMATICAL ITALIC SMALL S  
 ≈ <font> 0073 **s** latin small letter s

1D461 *t* MATHEMATICAL ITALIC SMALL T  
 ≈ <font> 0074 **t** latin small letter t

1D462 *u* MATHEMATICAL ITALIC SMALL U  
 ≈ <font> 0075 **u** latin small letter u

1D463 *v* MATHEMATICAL ITALIC SMALL V  
 ≈ <font> 0076 **v** latin small letter v

1D464 *w* MATHEMATICAL ITALIC SMALL W  
 ≈ <font> 0077 **w** latin small letter w

1D465 *x* MATHEMATICAL ITALIC SMALL X  
 ≈ <font> 0078 **x** latin small letter x

1D466 *y* MATHEMATICAL ITALIC SMALL Y  
 ≈ <font> 0079 **y** latin small letter y

1D467 *z* MATHEMATICAL ITALIC SMALL Z  
 ≈ <font> 007A **z** latin small letter z

**Bold italic symbols**

1D468 ***A*** MATHEMATICAL BOLD ITALIC CAPITAL A  
 ≈ <font> 0041 **A** latin capital letter a

1D469 ***B*** MATHEMATICAL BOLD ITALIC CAPITAL B  
 ≈ <font> 0042 **B** latin capital letter b

1D46A ***C*** MATHEMATICAL BOLD ITALIC CAPITAL C  
 ≈ <font> 0043 **C** latin capital letter c

1D46B ***D*** MATHEMATICAL BOLD ITALIC CAPITAL D  
 ≈ <font> 0044 **D** latin capital letter d

1D46C ***E*** MATHEMATICAL BOLD ITALIC CAPITAL E  
 ≈ <font> 0045 **E** latin capital letter e

1D46D ***F*** MATHEMATICAL BOLD ITALIC CAPITAL F  
 ≈ <font> 0046 **F** latin capital letter f

1D46E ***G*** MATHEMATICAL BOLD ITALIC CAPITAL G  
 ≈ <font> 0047 **G** latin capital letter g

1D46F ***H*** MATHEMATICAL BOLD ITALIC CAPITAL H  
 ≈ <font> 0048 **H** latin capital letter h

1D470 ***I*** MATHEMATICAL BOLD ITALIC CAPITAL I  
 ≈ <font> 0049 **I** latin capital letter i

1D471 ***J*** MATHEMATICAL BOLD ITALIC CAPITAL J  
 ≈ <font> 004A **J** latin capital letter j

1D472 ***K*** MATHEMATICAL BOLD ITALIC CAPITAL K  
 ≈ <font> 004B **K** latin capital letter k

1D473 ***L*** MATHEMATICAL BOLD ITALIC CAPITAL L  
 ≈ <font> 004C **L** latin capital letter l

1D474 ***M*** MATHEMATICAL BOLD ITALIC CAPITAL M  
 ≈ <font> 004D **M** latin capital letter m

1D475 ***N*** MATHEMATICAL BOLD ITALIC CAPITAL N  
 ≈ <font> 004E **N** latin capital letter n

1D476 **O** MATHEMATICAL BOLD ITALIC CAPITAL O  
 ≈ <font> 004F **O** latin capital letter o

1D477 **P** MATHEMATICAL BOLD ITALIC CAPITAL P  
 ≈ <font> 0050 **P** latin capital letter p

1D478 **Q** MATHEMATICAL BOLD ITALIC CAPITAL Q  
 ≈ <font> 0051 **Q** latin capital letter q

1D479 **R** MATHEMATICAL BOLD ITALIC CAPITAL R  
 ≈ <font> 0052 **R** latin capital letter r

1D47A **S** MATHEMATICAL BOLD ITALIC CAPITAL S  
 ≈ <font> 0053 **S** latin capital letter s

1D47B **T** MATHEMATICAL BOLD ITALIC CAPITAL T  
 ≈ <font> 0054 **T** latin capital letter t

1D47C **U** MATHEMATICAL BOLD ITALIC CAPITAL U  
 ≈ <font> 0055 **U** latin capital letter u

1D47D **V** MATHEMATICAL BOLD ITALIC CAPITAL V  
 ≈ <font> 0056 **V** latin capital letter v

1D47E **W** MATHEMATICAL BOLD ITALIC CAPITAL W  
 ≈ <font> 0057 **W** latin capital letter w

1D47F **X** MATHEMATICAL BOLD ITALIC CAPITAL X  
 ≈ <font> 0058 **X** latin capital letter x

1D480 **Y** MATHEMATICAL BOLD ITALIC CAPITAL Y  
 ≈ <font> 0059 **Y** latin capital letter y

1D481 **Z** MATHEMATICAL BOLD ITALIC CAPITAL Z  
 ≈ <font> 005A **Z** latin capital letter z

1D482 **a** MATHEMATICAL BOLD ITALIC SMALL A  
 ≈ <font> 0061 **a** latin small letter a

1D483 **b** MATHEMATICAL BOLD ITALIC SMALL B  
 ≈ <font> 0062 **b** latin small letter b

1D484 **c** MATHEMATICAL BOLD ITALIC SMALL C  
 ≈ <font> 0063 **c** latin small letter c

1D485 **d** MATHEMATICAL BOLD ITALIC SMALL D  
 ≈ <font> 0064 **d** latin small letter d

1D486 **e** MATHEMATICAL BOLD ITALIC SMALL E  
 ≈ <font> 0065 **e** latin small letter e

1D487 **f** MATHEMATICAL BOLD ITALIC SMALL F  
 ≈ <font> 0066 **f** latin small letter f

1D488 **g** MATHEMATICAL BOLD ITALIC SMALL G  
 ≈ <font> 0067 **g** latin small letter g

1D489 **h** MATHEMATICAL BOLD ITALIC SMALL H  
 ≈ <font> 0068 **h** latin small letter h

1D48A **i** MATHEMATICAL BOLD ITALIC SMALL I  
 ≈ <font> 0069 **i** latin small letter i

1D48B **j** MATHEMATICAL BOLD ITALIC SMALL J  
 ≈ <font> 006A **j** latin small letter j

1D48C **k** MATHEMATICAL BOLD ITALIC SMALL K  
 ≈ <font> 006B **k** latin small letter k

1D48D **l** MATHEMATICAL BOLD ITALIC SMALL L  
 ≈ <font> 006C **l** latin small letter l

1D48E **m** MATHEMATICAL BOLD ITALIC SMALL M  
 ≈ <font> 006D **m** latin small letter m

1D48F **n** MATHEMATICAL BOLD ITALIC SMALL N  
 ≈ <font> 006E **n** latin small letter n

1D490 **o** MATHEMATICAL BOLD ITALIC SMALL O  
 ≈ <font> 006F **o** latin small letter o

1D491 **p** MATHEMATICAL BOLD ITALIC SMALL P  
 ≈ <font> 0070 **p** latin small letter p

1D492 **q** MATHEMATICAL BOLD ITALIC SMALL Q  
 ≈ <font> 0071 **q** latin small letter q

1D493 **r** MATHEMATICAL BOLD ITALIC SMALL R  
 ≈ <font> 0072 **r** latin small letter r

1D494 **s** MATHEMATICAL BOLD ITALIC SMALL S  
 ≈ <font> 0073 **s** latin small letter s

1D495 **t** MATHEMATICAL BOLD ITALIC SMALL T  
 ≈ <font> 0074 **t** latin small letter t

1D496 **u** MATHEMATICAL BOLD ITALIC SMALL U  
 ≈ <font> 0075 **u** latin small letter u

1D497 **v** MATHEMATICAL BOLD ITALIC SMALL V  
 ≈ <font> 0076 **v** latin small letter v

1D498 **w** MATHEMATICAL BOLD ITALIC SMALL W  
 ≈ <font> 0077 **w** latin small letter w

1D499 **x** MATHEMATICAL BOLD ITALIC SMALL X  
 ≈ <font> 0078 **x** latin small letter x


1D49A **y** MATHEMATICAL BOLD ITALIC SMALL Y  
 ≈ <font> 0079 **y** latin small letter y

1D49B **z** MATHEMATICAL BOLD ITALIC SMALL Z  
 ≈ <font> 007A **z** latin small letter z

### Script symbols


*Script symbols already encoded in the Letterlike Symbols block are omitted here to avoid duplicate encoding. Fonts that use a less elaborate style are also acceptable for many uses, as long as they can be distinguished from serifed and italic styles.*


1D49C **A** MATHEMATICAL SCRIPT CAPITAL A  
 ≈ <font> 0041 **A** latin capital letter a

1D49D  <reserved>  
 → 212C **B** script capital b


1D49E **C** MATHEMATICAL SCRIPT CAPITAL C  
 ≈ <font> 0043 **C** latin capital letter c


1D49F **D** MATHEMATICAL SCRIPT CAPITAL D  
 ≈ <font> 0044 **D** latin capital letter d

1D4A0  <reserved>  
 → 2130 **E** script capital e

1D4A1  <reserved>  
 → 2131 **F** script capital f


1D4A2 **G** MATHEMATICAL SCRIPT CAPITAL G  
 ≈ <font> 0047 **G** latin capital letter g


1D4A3  <reserved>  
 → 210B **H** script capital h

1D4A4  <reserved>  
 → 2110 **I** script capital i

1D4A5 **J** MATHEMATICAL SCRIPT CAPITAL J  
 ≈ <font> 004A **J** latin capital letter j

1D4A6 **K** MATHEMATICAL SCRIPT CAPITAL K  
 ≈ <font> 004B **K** latin capital letter k

1D4A7  <reserved>  
 → 2112 **L** script capital l


1D4A8  <reserved>  
 → 2133 **M** script capital m

1D4A9 **N** MATHEMATICAL SCRIPT CAPITAL N  
 ≈ <font> 004E **N** latin capital letter n

1D4AA **O** MATHEMATICAL SCRIPT CAPITAL O  
 ≈ <font> 004F **O** latin capital letter o

1D4AB **P** MATHEMATICAL SCRIPT CAPITAL P  
 = power set  
 ≈ <font> 0050 **P** latin capital letter p

1D4AC **Q** MATHEMATICAL SCRIPT CAPITAL Q  
 ≈ <font> 0051 **Q** latin capital letter q

1D4AD  <reserved>  
 → 211B **R** script capital r

1D4AE **S** MATHEMATICAL SCRIPT CAPITAL S  
 ≈ <font> 0053 **S** latin capital letter s

1D4AF **T** MATHEMATICAL SCRIPT CAPITAL T  
 ≈ <font> 0054 **T** latin capital letter t

1D4B0 *U* MATHEMATICAL SCRIPT CAPITAL U  
 ≈ <font> 0055 U latin capital letter u

1D4B1 *V* MATHEMATICAL SCRIPT CAPITAL V  
 ≈ <font> 0056 V latin capital letter v

1D4B2 *W* MATHEMATICAL SCRIPT CAPITAL W  
 ≈ <font> 0057 W latin capital letter w

1D4B3 *X* MATHEMATICAL SCRIPT CAPITAL X  
 ≈ <font> 0058 X latin capital letter x

1D4B4 *Y* MATHEMATICAL SCRIPT CAPITAL Y  
 ≈ <font> 0059 Y latin capital letter y


1D4B5 *Z* MATHEMATICAL SCRIPT CAPITAL Z  
 ≈ <font> 005A Z latin capital letter z

1D4B6 *a* MATHEMATICAL SCRIPT SMALL A  
 ≈ <font> 0061 a latin small letter a


1D4B7 *b* MATHEMATICAL SCRIPT SMALL B  
 ≈ <font> 0062 b latin small letter b

1D4B8 *c* MATHEMATICAL SCRIPT SMALL C  
 ≈ <font> 0063 c latin small letter c

1D4B9 *d* MATHEMATICAL SCRIPT SMALL D  
 ≈ <font> 0064 d latin small letter d

1D4BA  <reserved>  
 → 212F *e* script small e

1D4BB *f* MATHEMATICAL SCRIPT SMALL F  
 ≈ <font> 0066 f latin small letter f

1D4BC  <reserved>  
 → 210A *g* script small g

1D4BD *h* MATHEMATICAL SCRIPT SMALL H  
 ≈ <font> 0068 h latin small letter h

1D4BE *i* MATHEMATICAL SCRIPT SMALL I  
 ≈ <font> 0069 i latin small letter i


1D4BF *j* MATHEMATICAL SCRIPT SMALL J  
 ≈ <font> 006A j latin small letter j

1D4C0 *k* MATHEMATICAL SCRIPT SMALL K  
 ≈ <font> 006B k latin small letter k

1D4C1 *l* MATHEMATICAL SCRIPT SMALL L  
 → 2113 *l* script small l  
 ≈ <font> 006C l latin small letter l

1D4C2 *m* MATHEMATICAL SCRIPT SMALL M  
 ≈ <font> 006D m latin small letter m

1D4C3 *n* MATHEMATICAL SCRIPT SMALL N  
 ≈ <font> 006E n latin small letter n

1D4C4  <reserved>  
 → 2134 *o* script small o

1D4C5 *p* MATHEMATICAL SCRIPT SMALL P  
 ≈ <font> 0070 p latin small letter p

1D4C6 *q* MATHEMATICAL SCRIPT SMALL Q  
 ≈ <font> 0071 q latin small letter q

1D4C7 *r* MATHEMATICAL SCRIPT SMALL R  
 ≈ <font> 0072 r latin small letter r

1D4C8 *s* MATHEMATICAL SCRIPT SMALL S  
 ≈ <font> 0073 s latin small letter s

1D4C9 *t* MATHEMATICAL SCRIPT SMALL T  
 ≈ <font> 0074 t latin small letter t

1D4CA *u* MATHEMATICAL SCRIPT SMALL U  
 ≈ <font> 0075 u latin small letter u

1D4CB *v* MATHEMATICAL SCRIPT SMALL V  
 ≈ <font> 0076 v latin small letter v

1D4CC *w* MATHEMATICAL SCRIPT SMALL W  
 ≈ <font> 0077 w latin small letter w

1D4CD *x* MATHEMATICAL SCRIPT SMALL X  
 ≈ <font> 0078 x latin small letter x

1D4CE *y* MATHEMATICAL SCRIPT SMALL Y  
 ≈ <font> 0079 y latin small letter y

1D4CF *z* MATHEMATICAL SCRIPT SMALL Z  
 ≈ <font> 007A z latin small letter z

**Bold script symbols**

1D4D0 *A* MATHEMATICAL BOLD SCRIPT CAPITAL A  
 ≈ <font> 0041 A latin capital letter a

1D4D1 *B* MATHEMATICAL BOLD SCRIPT CAPITAL B  
 ≈ <font> 0042 B latin capital letter b

1D4D2 *C* MATHEMATICAL BOLD SCRIPT CAPITAL C  
 ≈ <font> 0043 C latin capital letter c

1D4D3 *D* MATHEMATICAL BOLD SCRIPT CAPITAL D  
 ≈ <font> 0044 D latin capital letter d

1D4D4 *E* MATHEMATICAL BOLD SCRIPT CAPITAL E  
 ≈ <font> 0045 E latin capital letter e

1D4D5 *F* MATHEMATICAL BOLD SCRIPT CAPITAL F  
 ≈ <font> 0046 F latin capital letter f

1D4D6 *G* MATHEMATICAL BOLD SCRIPT CAPITAL G  
 ≈ <font> 0047 G latin capital letter g

1D4D7 *H* MATHEMATICAL BOLD SCRIPT CAPITAL H  
 ≈ <font> 0048 H latin capital letter h

1D4D8 *I* MATHEMATICAL BOLD SCRIPT CAPITAL I  
 ≈ <font> 0049 I latin capital letter i

1D4D9 *J* MATHEMATICAL BOLD SCRIPT CAPITAL J  
 ≈ <font> 004A J latin capital letter j

1D4DA *K* MATHEMATICAL BOLD SCRIPT CAPITAL K  
 ≈ <font> 004B K latin capital letter k

1D4DB *L* MATHEMATICAL BOLD SCRIPT CAPITAL L  
 ≈ <font> 004C L latin capital letter l

1D4DC *M* MATHEMATICAL BOLD SCRIPT CAPITAL M  
 ≈ <font> 004D M latin capital letter m

1D4DD *N* MATHEMATICAL BOLD SCRIPT CAPITAL N  
 ≈ <font> 004E N latin capital letter n

1D4DE *O* MATHEMATICAL BOLD SCRIPT CAPITAL O  
 ≈ <font> 004F O latin capital letter o

1D4DF *P* MATHEMATICAL BOLD SCRIPT CAPITAL P  
 ≈ <font> 0050 P latin capital letter p

1D4E0 *Q* MATHEMATICAL BOLD SCRIPT CAPITAL Q  
 ≈ <font> 0051 Q latin capital letter q

1D4E1 *R* MATHEMATICAL BOLD SCRIPT CAPITAL R  
 ≈ <font> 0052 R latin capital letter r

1D4E2 *S* MATHEMATICAL BOLD SCRIPT CAPITAL S  
 ≈ <font> 0053 S latin capital letter s

1D4E3 *T* MATHEMATICAL BOLD SCRIPT CAPITAL T  
 ≈ <font> 0054 T latin capital letter t

1D4E4 *U* MATHEMATICAL BOLD SCRIPT CAPITAL U  
 ≈ <font> 0055 U latin capital letter u

1D4E5 *V* MATHEMATICAL BOLD SCRIPT CAPITAL V  
 ≈ <font> 0056 V latin capital letter v

1D4E6 *W* MATHEMATICAL BOLD SCRIPT CAPITAL W  
 ≈ <font> 0057 W latin capital letter w

1D4E7 *X* MATHEMATICAL BOLD SCRIPT CAPITAL X  
 ≈ <font> 0058 X latin capital letter x

1D4E8 *Y* MATHEMATICAL BOLD SCRIPT CAPITAL Y  
 ≈ <font> 0059 Y latin capital letter y

1D4E9 *Z* MATHEMATICAL BOLD SCRIPT CAPITAL Z  
 ≈ <font> 005A Z latin capital letter z

1D4EA *a* MATHEMATICAL BOLD SCRIPT SMALL A  
 ≈ <font> 0061 a latin small letter a

1D4EB *b* MATHEMATICAL BOLD SCRIPT SMALL B  
 ≈ <font> 0062 b latin small letter b

1D4EC	<b>c</b>	MATHEMATICAL BOLD SCRIPT SMALL C ≈ <font> 0063 <b>c</b> latin small letter c
1D4ED	<b>d</b>	MATHEMATICAL BOLD SCRIPT SMALL D ≈ <font> 0064 <b>d</b> latin small letter d
1D4EE	<b>e</b>	MATHEMATICAL BOLD SCRIPT SMALL E ≈ <font> 0065 <b>e</b> latin small letter e
1D4EF	<b>f</b>	MATHEMATICAL BOLD SCRIPT SMALL F ≈ <font> 0066 <b>f</b> latin small letter f
1D4F0	<b>g</b>	MATHEMATICAL BOLD SCRIPT SMALL G ≈ <font> 0067 <b>g</b> latin small letter g
1D4F1	<b>h</b>	MATHEMATICAL BOLD SCRIPT SMALL H ≈ <font> 0068 <b>h</b> latin small letter h
1D4F2	<b>i</b>	MATHEMATICAL BOLD SCRIPT SMALL I ≈ <font> 0069 <b>i</b> latin small letter i
1D4F3	<b>j</b>	MATHEMATICAL BOLD SCRIPT SMALL J ≈ <font> 006A <b>j</b> latin small letter j
1D4F4	<b>k</b>	MATHEMATICAL BOLD SCRIPT SMALL K ≈ <font> 006B <b>k</b> latin small letter k
1D4F5	<b>l</b>	MATHEMATICAL BOLD SCRIPT SMALL L ≈ <font> 006C <b>l</b> latin small letter l
1D4F6	<b>m</b>	MATHEMATICAL BOLD SCRIPT SMALL M ≈ <font> 006D <b>m</b> latin small letter m
1D4F7	<b>n</b>	MATHEMATICAL BOLD SCRIPT SMALL N ≈ <font> 006E <b>n</b> latin small letter n
1D4F8	<b>o</b>	MATHEMATICAL BOLD SCRIPT SMALL O ≈ <font> 006F <b>o</b> latin small letter o
1D4F9	<b>p</b>	MATHEMATICAL BOLD SCRIPT SMALL P ≈ <font> 0070 <b>p</b> latin small letter p
1D4FA	<b>q</b>	MATHEMATICAL BOLD SCRIPT SMALL Q ≈ <font> 0071 <b>q</b> latin small letter q
1D4FB	<b>r</b>	MATHEMATICAL BOLD SCRIPT SMALL R ≈ <font> 0072 <b>r</b> latin small letter r
1D4FC	<b>s</b>	MATHEMATICAL BOLD SCRIPT SMALL S ≈ <font> 0073 <b>s</b> latin small letter s
1D4FD	<b>t</b>	MATHEMATICAL BOLD SCRIPT SMALL T ≈ <font> 0074 <b>t</b> latin small letter t
1D4FE	<b>u</b>	MATHEMATICAL BOLD SCRIPT SMALL U ≈ <font> 0075 <b>u</b> latin small letter u
1D4FF	<b>v</b>	MATHEMATICAL BOLD SCRIPT SMALL V ≈ <font> 0076 <b>v</b> latin small letter v
1D500	<b>w</b>	MATHEMATICAL BOLD SCRIPT SMALL W ≈ <font> 0077 <b>w</b> latin small letter w
1D501	<b>x</b>	MATHEMATICAL BOLD SCRIPT SMALL X ≈ <font> 0078 <b>x</b> latin small letter x
1D502	<b>y</b>	MATHEMATICAL BOLD SCRIPT SMALL Y ≈ <font> 0079 <b>y</b> latin small letter y
1D503	<b>z</b>	MATHEMATICAL BOLD SCRIPT SMALL Z ≈ <font> 007A <b>z</b> latin small letter z

### Fraktur symbols

*This style is sometimes known as black-letter. Black-letter symbols already encoded in the Letterlike Symbols block are omitted here to avoid duplicate encoding.*

1D504	<b>A</b>	MATHEMATICAL FRAKTUR CAPITAL A ≈ <font> 0041 <b>A</b> latin capital letter a
1D505	<b>B</b>	MATHEMATICAL FRAKTUR CAPITAL B ≈ <font> 0042 <b>B</b> latin capital letter b
1D506	<b>C</b>	<reserved> → 212D <b>C</b> black-letter capital c
1D507	<b>D</b>	MATHEMATICAL FRAKTUR CAPITAL D ≈ <font> 0044 <b>D</b> latin capital letter d

1D508	<b>E</b>	MATHEMATICAL FRAKTUR CAPITAL E ≈ <font> 0045 <b>E</b> latin capital letter e
1D509	<b>F</b>	MATHEMATICAL FRAKTUR CAPITAL F ≈ <font> 0046 <b>F</b> latin capital letter f
1D50A	<b>G</b>	MATHEMATICAL FRAKTUR CAPITAL G ≈ <font> 0047 <b>G</b> latin capital letter g
1D50B	<b>H</b>	<reserved> → 210C <b>H</b> black-letter capital h
1D50C	<b>I</b>	<reserved> → 2111 <b>I</b> black-letter capital i
1D50D	<b>J</b>	MATHEMATICAL FRAKTUR CAPITAL J ≈ <font> 004A <b>J</b> latin capital letter j
1D50E	<b>K</b>	MATHEMATICAL FRAKTUR CAPITAL K ≈ <font> 004B <b>K</b> latin capital letter k
1D50F	<b>L</b>	MATHEMATICAL FRAKTUR CAPITAL L ≈ <font> 004C <b>L</b> latin capital letter l
1D510	<b>M</b>	MATHEMATICAL FRAKTUR CAPITAL M = New Testament majority text ≈ <font> 004D <b>M</b> latin capital letter m
1D511	<b>N</b>	MATHEMATICAL FRAKTUR CAPITAL N ≈ <font> 004E <b>N</b> latin capital letter n
1D512	<b>O</b>	MATHEMATICAL FRAKTUR CAPITAL O ≈ <font> 004F <b>O</b> latin capital letter o
1D513	<b>P</b>	MATHEMATICAL FRAKTUR CAPITAL P ≈ <font> 0050 <b>P</b> latin capital letter p
1D514	<b>Q</b>	MATHEMATICAL FRAKTUR CAPITAL Q ≈ <font> 0051 <b>Q</b> latin capital letter q
1D515	<b>R</b>	<reserved> → 211C <b>R</b> black-letter capital r
1D516	<b>S</b>	MATHEMATICAL FRAKTUR CAPITAL S = Septuagint, Greek Old Testament ≈ <font> 0053 <b>S</b> latin capital letter s
1D517	<b>T</b>	MATHEMATICAL FRAKTUR CAPITAL T ≈ <font> 0054 <b>T</b> latin capital letter t
1D518	<b>U</b>	MATHEMATICAL FRAKTUR CAPITAL U ≈ <font> 0055 <b>U</b> latin capital letter u
1D519	<b>V</b>	MATHEMATICAL FRAKTUR CAPITAL V ≈ <font> 0056 <b>V</b> latin capital letter v
1D51A	<b>W</b>	MATHEMATICAL FRAKTUR CAPITAL W ≈ <font> 0057 <b>W</b> latin capital letter w
1D51B	<b>X</b>	MATHEMATICAL FRAKTUR CAPITAL X ≈ <font> 0058 <b>X</b> latin capital letter x
1D51C	<b>Y</b>	MATHEMATICAL FRAKTUR CAPITAL Y ≈ <font> 0059 <b>Y</b> latin capital letter y
1D51D	<b>Z</b>	<reserved> → 2128 <b>Z</b> black-letter capital z
1D51E	<b>a</b>	MATHEMATICAL FRAKTUR SMALL A ≈ <font> 0061 <b>a</b> latin small letter a
1D51F	<b>b</b>	MATHEMATICAL FRAKTUR SMALL B ≈ <font> 0062 <b>b</b> latin small letter b
1D520	<b>c</b>	MATHEMATICAL FRAKTUR SMALL C ≈ <font> 0063 <b>c</b> latin small letter c
1D521	<b>d</b>	MATHEMATICAL FRAKTUR SMALL D ≈ <font> 0064 <b>d</b> latin small letter d
1D522	<b>e</b>	MATHEMATICAL FRAKTUR SMALL E ≈ <font> 0065 <b>e</b> latin small letter e
1D523	<b>f</b>	MATHEMATICAL FRAKTUR SMALL F ≈ <font> 0066 <b>f</b> latin small letter f
1D524	<b>g</b>	MATHEMATICAL FRAKTUR SMALL G ≈ <font> 0067 <b>g</b> latin small letter g
1D525	<b>h</b>	MATHEMATICAL FRAKTUR SMALL H ≈ <font> 0068 <b>h</b> latin small letter h

1D526	<b>i</b>	MATHEMATICAL FRAKTUR SMALL I ≈ <font> 0069 <b>i</b> latin small letter i
1D527	<b>j</b>	MATHEMATICAL FRAKTUR SMALL J ≈ <font> 006A <b>j</b> latin small letter j
1D528	<b>k</b>	MATHEMATICAL FRAKTUR SMALL K ≈ <font> 006B <b>k</b> latin small letter k
1D529	<b>l</b>	MATHEMATICAL FRAKTUR SMALL L ≈ <font> 006C <b>l</b> latin small letter l
1D52A	<b>m</b>	MATHEMATICAL FRAKTUR SMALL M ≈ <font> 006D <b>m</b> latin small letter m
1D52B	<b>n</b>	MATHEMATICAL FRAKTUR SMALL N ≈ <font> 006E <b>n</b> latin small letter n
1D52C	<b>o</b>	MATHEMATICAL FRAKTUR SMALL O ≈ <font> 006F <b>o</b> latin small letter o
1D52D	<b>p</b>	MATHEMATICAL FRAKTUR SMALL P ≈ <font> 0070 <b>p</b> latin small letter p
1D52E	<b>q</b>	MATHEMATICAL FRAKTUR SMALL Q ≈ <font> 0071 <b>q</b> latin small letter q
1D52F	<b>r</b>	MATHEMATICAL FRAKTUR SMALL R ≈ <font> 0072 <b>r</b> latin small letter r
1D530	<b>s</b>	MATHEMATICAL FRAKTUR SMALL S ≈ <font> 0073 <b>s</b> latin small letter s
1D531	<b>t</b>	MATHEMATICAL FRAKTUR SMALL T ≈ <font> 0074 <b>t</b> latin small letter t
1D532	<b>u</b>	MATHEMATICAL FRAKTUR SMALL U ≈ <font> 0075 <b>u</b> latin small letter u
1D533	<b>v</b>	MATHEMATICAL FRAKTUR SMALL V ≈ <font> 0076 <b>v</b> latin small letter v
1D534	<b>w</b>	MATHEMATICAL FRAKTUR SMALL W ≈ <font> 0077 <b>w</b> latin small letter w
1D535	<b>x</b>	MATHEMATICAL FRAKTUR SMALL X ≈ <font> 0078 <b>x</b> latin small letter x
1D536	<b>y</b>	MATHEMATICAL FRAKTUR SMALL Y ≈ <font> 0079 <b>y</b> latin small letter y
1D537	<b>z</b>	MATHEMATICAL FRAKTUR SMALL Z ≈ <font> 007A <b>z</b> latin small letter z

**Double-struck symbols**

*This style is sometimes known as open-face or blackboard-bold. Double-struck symbols already encoded in the Letterlike Symbols block and omitted here to avoid duplicate encoding. Considerable variation in font style is acceptable, as long as the glyphs retain the visual element of doubled strokes.*

1D538	<b>A</b>	MATHEMATICAL DOUBLE-STRUCK CAPITAL A • a glyph variant with doubled stroke on the right exists ≈ <font> 0041 <b>A</b> latin capital letter a
1D539	<b>B</b>	MATHEMATICAL DOUBLE-STRUCK CAPITAL B ≈ <font> 0042 <b>B</b> latin capital letter b
1D53A		<reserved> → 2102 <b>C</b> double-struck capital c
1D53B	<b>D</b>	MATHEMATICAL DOUBLE-STRUCK CAPITAL D ≈ <font> 0044 <b>D</b> latin capital letter d
1D53C	<b>E</b>	MATHEMATICAL DOUBLE-STRUCK CAPITAL E ≈ <font> 0045 <b>E</b> latin capital letter e
1D53D	<b>F</b>	MATHEMATICAL DOUBLE-STRUCK CAPITAL F ≈ <font> 0046 <b>F</b> latin capital letter f
1D53E	<b>G</b>	MATHEMATICAL DOUBLE-STRUCK CAPITAL G ≈ <font> 0047 <b>G</b> latin capital letter g
1D53F		<reserved> → 210D <b>H</b> double-struck capital h

1D540	<b>I</b>	MATHEMATICAL DOUBLE-STRUCK CAPITAL I ≈ <font> 0049 <b>I</b> latin capital letter i
1D541	<b>J</b>	MATHEMATICAL DOUBLE-STRUCK CAPITAL J ≈ <font> 004A <b>J</b> latin capital letter j
1D542	<b>K</b>	MATHEMATICAL DOUBLE-STRUCK CAPITAL K ≈ <font> 004B <b>K</b> latin capital letter k
1D543	<b>L</b>	MATHEMATICAL DOUBLE-STRUCK CAPITAL L ≈ <font> 004C <b>L</b> latin capital letter l
1D544	<b>M</b>	MATHEMATICAL DOUBLE-STRUCK CAPITAL M ≈ <font> 004D <b>M</b> latin capital letter m
1D545		<reserved> → 2115 <b>N</b> double-struck capital n
1D546	<b>O</b>	MATHEMATICAL DOUBLE-STRUCK CAPITAL O ≈ <font> 004F <b>O</b> latin capital letter o
1D547		<reserved> → 2119 <b>P</b> double-struck capital p
1D548		<reserved> → 211A <b>Q</b> double-struck capital q
1D549		<reserved> → 211D <b>R</b> double-struck capital r
1D54A	<b>S</b>	MATHEMATICAL DOUBLE-STRUCK CAPITAL S ≈ <font> 0053 <b>S</b> latin capital letter s
1D54B	<b>T</b>	MATHEMATICAL DOUBLE-STRUCK CAPITAL T ≈ <font> 0054 <b>T</b> latin capital letter t
1D54C	<b>U</b>	MATHEMATICAL DOUBLE-STRUCK CAPITAL U ≈ <font> 0055 <b>U</b> latin capital letter u
1D54D	<b>V</b>	MATHEMATICAL DOUBLE-STRUCK CAPITAL V ≈ <font> 0056 <b>V</b> latin capital letter v
1D54E	<b>W</b>	MATHEMATICAL DOUBLE-STRUCK CAPITAL W ≈ <font> 0057 <b>W</b> latin capital letter w
1D54F	<b>X</b>	MATHEMATICAL DOUBLE-STRUCK CAPITAL X ≈ <font> 0058 <b>X</b> latin capital letter x
1D550	<b>Y</b>	MATHEMATICAL DOUBLE-STRUCK CAPITAL Y ≈ <font> 0059 <b>Y</b> latin capital letter y
1D551		<reserved> → 2124 <b>Z</b> double-struck capital z
1D552	<b>a</b>	MATHEMATICAL DOUBLE-STRUCK SMALL A ≈ <font> 0061 <b>a</b> latin small letter a
1D553	<b>b</b>	MATHEMATICAL DOUBLE-STRUCK SMALL B ≈ <font> 0062 <b>b</b> latin small letter b
1D554	<b>c</b>	MATHEMATICAL DOUBLE-STRUCK SMALL C ≈ <font> 0063 <b>c</b> latin small letter c
1D555	<b>d</b>	MATHEMATICAL DOUBLE-STRUCK SMALL D ≈ <font> 0064 <b>d</b> latin small letter d
1D556	<b>e</b>	MATHEMATICAL DOUBLE-STRUCK SMALL E ≈ <font> 0065 <b>e</b> latin small letter e
1D557	<b>f</b>	MATHEMATICAL DOUBLE-STRUCK SMALL F ≈ <font> 0066 <b>f</b> latin small letter f
1D558	<b>g</b>	MATHEMATICAL DOUBLE-STRUCK SMALL G ≈ <font> 0067 <b>g</b> latin small letter g
1D559	<b>h</b>	MATHEMATICAL DOUBLE-STRUCK SMALL H ≈ <font> 0068 <b>h</b> latin small letter h
1D55A	<b>i</b>	MATHEMATICAL DOUBLE-STRUCK SMALL I ≈ <font> 0069 <b>i</b> latin small letter i
1D55B	<b>j</b>	MATHEMATICAL DOUBLE-STRUCK SMALL J ≈ <font> 006A <b>j</b> latin small letter j
1D55C	<b>k</b>	MATHEMATICAL DOUBLE-STRUCK SMALL K ≈ <font> 006B <b>k</b> latin small letter k
1D55D	<b>l</b>	MATHEMATICAL DOUBLE-STRUCK SMALL L ≈ <font> 006C <b>l</b> latin small letter l
1D55E	<b>m</b>	MATHEMATICAL DOUBLE-STRUCK SMALL M ≈ <font> 006D <b>m</b> latin small letter m



1D55F **𝓃** MATHEMATICAL DOUBLE-STRUCK SMALL N  
 ≈ <font> 006E **n** latin small letter n

1D560 **𝓄** MATHEMATICAL DOUBLE-STRUCK SMALL O  
 ≈ <font> 006F **o** latin small letter o

1D561 **𝓅** MATHEMATICAL DOUBLE-STRUCK SMALL P  
 ≈ <font> 0070 **p** latin small letter p

1D562 **𝓆** MATHEMATICAL DOUBLE-STRUCK SMALL Q  
 ≈ <font> 0071 **q** latin small letter q

1D563 **𝓇** MATHEMATICAL DOUBLE-STRUCK SMALL R  
 ≈ <font> 0072 **r** latin small letter r

1D564 **𝓈** MATHEMATICAL DOUBLE-STRUCK SMALL S  
 ≈ <font> 0073 **s** latin small letter s

1D565 **𝓉** MATHEMATICAL DOUBLE-STRUCK SMALL T  
 ≈ <font> 0074 **t** latin small letter t

1D566 **𝓊** MATHEMATICAL DOUBLE-STRUCK SMALL U  
 ≈ <font> 0075 **u** latin small letter u

1D567 **𝓋** MATHEMATICAL DOUBLE-STRUCK SMALL V  
 ≈ <font> 0076 **v** latin small letter v

1D568 **𝓌** MATHEMATICAL DOUBLE-STRUCK SMALL W  
 ≈ <font> 0077 **w** latin small letter w

1D569 **𝓍** MATHEMATICAL DOUBLE-STRUCK SMALL X  
 ≈ <font> 0078 **x** latin small letter x

1D56A **𝓎** MATHEMATICAL DOUBLE-STRUCK SMALL Y  
 ≈ <font> 0079 **y** latin small letter y

1D56B **𝓏** MATHEMATICAL DOUBLE-STRUCK SMALL Z  
 ≈ <font> 007A **z** latin small letter z

**Bold Fraktur symbols**

1D56C **𝔸** MATHEMATICAL BOLD FRAKTUR CAPITAL A  
 ≈ <font> 0041 **A** latin capital letter a

1D56D **𝔹** MATHEMATICAL BOLD FRAKTUR CAPITAL B  
 ≈ <font> 0042 **B** latin capital letter b

1D56E **𝔼** MATHEMATICAL BOLD FRAKTUR CAPITAL C  
 ≈ <font> 0043 **C** latin capital letter c

1D56F **𝔻** MATHEMATICAL BOLD FRAKTUR CAPITAL D  
 ≈ <font> 0044 **D** latin capital letter d

1D570 **𝔾** MATHEMATICAL BOLD FRAKTUR CAPITAL E  
 ≈ <font> 0045 **E** latin capital letter e

1D571 **𝔽** MATHEMATICAL BOLD FRAKTUR CAPITAL F  
 ≈ <font> 0046 **F** latin capital letter f

1D572 **𝔾** MATHEMATICAL BOLD FRAKTUR CAPITAL G  
 ≈ <font> 0047 **G** latin capital letter g

1D573 **𝔷** MATHEMATICAL BOLD FRAKTUR CAPITAL H  
 ≈ <font> 0048 **H** latin capital letter h

1D574 **𝔸** MATHEMATICAL BOLD FRAKTUR CAPITAL I  
 ≈ <font> 0049 **I** latin capital letter i

1D575 **𝔽** MATHEMATICAL BOLD FRAKTUR CAPITAL J  
 ≈ <font> 004A **J** latin capital letter j

1D576 **𝔾** MATHEMATICAL BOLD FRAKTUR CAPITAL K  
 ≈ <font> 004B **K** latin capital letter k

1D577 **𝔷** MATHEMATICAL BOLD FRAKTUR CAPITAL L  
 ≈ <font> 004C **L** latin capital letter l

1D578 **𝔷** MATHEMATICAL BOLD FRAKTUR CAPITAL M  
 ≈ <font> 004D **M** latin capital letter m

1D579 **𝔸** MATHEMATICAL BOLD FRAKTUR CAPITAL N  
 ≈ <font> 004E **N** latin capital letter n

1D57A **𝔼** MATHEMATICAL BOLD FRAKTUR CAPITAL O  
 ≈ <font> 004F **O** latin capital letter o

1D57B **𝔷** MATHEMATICAL BOLD FRAKTUR CAPITAL P  
 ≈ <font> 0050 **P** latin capital letter p

1D57C **𝔼** MATHEMATICAL BOLD FRAKTUR CAPITAL Q  
 ≈ <font> 0051 **Q** latin capital letter q

1D57D **𝔸** MATHEMATICAL BOLD FRAKTUR CAPITAL R  
 ≈ <font> 0052 **R** latin capital letter r

1D57E **𝔼** MATHEMATICAL BOLD FRAKTUR CAPITAL S  
 ≈ <font> 0053 **S** latin capital letter s

1D57F **𝔼** MATHEMATICAL BOLD FRAKTUR CAPITAL T  
 ≈ <font> 0054 **T** latin capital letter t

1D580 **𝔸** MATHEMATICAL BOLD FRAKTUR CAPITAL U  
 ≈ <font> 0055 **U** latin capital letter u

1D581 **𝔷** MATHEMATICAL BOLD FRAKTUR CAPITAL V  
 ≈ <font> 0056 **V** latin capital letter v

1D582 **𝔷** MATHEMATICAL BOLD FRAKTUR CAPITAL W  
 ≈ <font> 0057 **W** latin capital letter w

1D583 **𝔸** MATHEMATICAL BOLD FRAKTUR CAPITAL X  
 ≈ <font> 0058 **X** latin capital letter x

1D584 **𝔷** MATHEMATICAL BOLD FRAKTUR CAPITAL Y  
 ≈ <font> 0059 **Y** latin capital letter y

1D585 **𝔸** MATHEMATICAL BOLD FRAKTUR CAPITAL Z  
 ≈ <font> 005A **Z** latin capital letter z

1D586 **𝔸** MATHEMATICAL BOLD FRAKTUR SMALL A  
 ≈ <font> 0061 **a** latin small letter a

1D587 **𝔸** MATHEMATICAL BOLD FRAKTUR SMALL B  
 ≈ <font> 0062 **b** latin small letter b

1D588 **𝔸** MATHEMATICAL BOLD FRAKTUR SMALL C  
 ≈ <font> 0063 **c** latin small letter c

1D589 **𝔸** MATHEMATICAL BOLD FRAKTUR SMALL D  
 ≈ <font> 0064 **d** latin small letter d

1D58A **𝔸** MATHEMATICAL BOLD FRAKTUR SMALL E  
 ≈ <font> 0065 **e** latin small letter e

1D58B **𝔸** MATHEMATICAL BOLD FRAKTUR SMALL F  
 ≈ <font> 0066 **f** latin small letter f

1D58C **𝔸** MATHEMATICAL BOLD FRAKTUR SMALL G  
 ≈ <font> 0067 **g** latin small letter g

1D58D **𝔸** MATHEMATICAL BOLD FRAKTUR SMALL H  
 ≈ <font> 0068 **h** latin small letter h

1D58E **𝔸** MATHEMATICAL BOLD FRAKTUR SMALL I  
 ≈ <font> 0069 **i** latin small letter i

1D58F **𝔸** MATHEMATICAL BOLD FRAKTUR SMALL J  
 ≈ <font> 006A **j** latin small letter j

1D590 **𝔸** MATHEMATICAL BOLD FRAKTUR SMALL K  
 ≈ <font> 006B **k** latin small letter k

1D591 **𝔸** MATHEMATICAL BOLD FRAKTUR SMALL L  
 ≈ <font> 006C **l** latin small letter l

1D592 **𝔸** MATHEMATICAL BOLD FRAKTUR SMALL M  
 ≈ <font> 006D **m** latin small letter m

1D593 **𝔸** MATHEMATICAL BOLD FRAKTUR SMALL N  
 ≈ <font> 006E **n** latin small letter n

1D594 **𝔸** MATHEMATICAL BOLD FRAKTUR SMALL O  
 ≈ <font> 006F **o** latin small letter o

1D595 **𝔸** MATHEMATICAL BOLD FRAKTUR SMALL P  
 ≈ <font> 0070 **p** latin small letter p

1D596 **𝔸** MATHEMATICAL BOLD FRAKTUR SMALL Q  
 ≈ <font> 0071 **q** latin small letter q

1D597 **𝔸** MATHEMATICAL BOLD FRAKTUR SMALL R  
 ≈ <font> 0072 **r** latin small letter r

1D598 **𝔸** MATHEMATICAL BOLD FRAKTUR SMALL S  
 ≈ <font> 0073 **s** latin small letter s

1D599 **𝔸** MATHEMATICAL BOLD FRAKTUR SMALL T  
 ≈ <font> 0074 **t** latin small letter t

1D59A **𝔸** MATHEMATICAL BOLD FRAKTUR SMALL U  
 ≈ <font> 0075 **u** latin small letter u

1D59B **𝔸** MATHEMATICAL BOLD FRAKTUR SMALL V  
 ≈ <font> 0076 **v** latin small letter v

1D59C **w** MATHEMATICAL BOLD FRAKTUR SMALL W  
 ≈ <font> 0077 **w** latin small letter w  
 1D59D **x** MATHEMATICAL BOLD FRAKTUR SMALL X  
 ≈ <font> 0078 **x** latin small letter x  
 1D59E **y** MATHEMATICAL BOLD FRAKTUR SMALL Y  
 ≈ <font> 0079 **y** latin small letter y  
 1D59F **z** MATHEMATICAL BOLD FRAKTUR SMALL Z  
 ≈ <font> 007A **z** latin small letter z

**Sans-serif symbols**

1D5A0 **A** MATHEMATICAL SANS-SERIF CAPITAL A  
 ≈ <font> 0041 **A** latin capital letter a  
 1D5A1 **B** MATHEMATICAL SANS-SERIF CAPITAL B  
 ≈ <font> 0042 **B** latin capital letter b  
 1D5A2 **C** MATHEMATICAL SANS-SERIF CAPITAL C  
 ≈ <font> 0043 **C** latin capital letter c  
 1D5A3 **D** MATHEMATICAL SANS-SERIF CAPITAL D  
 ≈ <font> 0044 **D** latin capital letter d  
 1D5A4 **E** MATHEMATICAL SANS-SERIF CAPITAL E  
 ≈ <font> 0045 **E** latin capital letter e  
 1D5A5 **F** MATHEMATICAL SANS-SERIF CAPITAL F  
 ≈ <font> 0046 **F** latin capital letter f  
 1D5A6 **G** MATHEMATICAL SANS-SERIF CAPITAL G  
 ≈ <font> 0047 **G** latin capital letter g  
 1D5A7 **H** MATHEMATICAL SANS-SERIF CAPITAL H  
 ≈ <font> 0048 **H** latin capital letter h  
 1D5A8 **I** MATHEMATICAL SANS-SERIF CAPITAL I  
 ≈ <font> 0049 **I** latin capital letter i  
 1D5A9 **J** MATHEMATICAL SANS-SERIF CAPITAL J  
 ≈ <font> 004A **J** latin capital letter j  
 1D5AA **K** MATHEMATICAL SANS-SERIF CAPITAL K  
 ≈ <font> 004B **K** latin capital letter k  
 1D5AB **L** MATHEMATICAL SANS-SERIF CAPITAL L  
 ≈ <font> 004C **L** latin capital letter l  
 1D5AC **M** MATHEMATICAL SANS-SERIF CAPITAL M  
 ≈ <font> 004D **M** latin capital letter m  
 1D5AD **N** MATHEMATICAL SANS-SERIF CAPITAL N  
 ≈ <font> 004E **N** latin capital letter n  
 1D5AE **O** MATHEMATICAL SANS-SERIF CAPITAL O  
 ≈ <font> 004F **O** latin capital letter o  
 1D5AF **P** MATHEMATICAL SANS-SERIF CAPITAL P  
 ≈ <font> 0050 **P** latin capital letter p  
 1D5B0 **Q** MATHEMATICAL SANS-SERIF CAPITAL Q  
 ≈ <font> 0051 **Q** latin capital letter q  
 1D5B1 **R** MATHEMATICAL SANS-SERIF CAPITAL R  
 ≈ <font> 0052 **R** latin capital letter r  
 1D5B2 **S** MATHEMATICAL SANS-SERIF CAPITAL S  
 ≈ <font> 0053 **S** latin capital letter s  
 1D5B3 **T** MATHEMATICAL SANS-SERIF CAPITAL T  
 ≈ <font> 0054 **T** latin capital letter t  
 1D5B4 **U** MATHEMATICAL SANS-SERIF CAPITAL U  
 ≈ <font> 0055 **U** latin capital letter u  
 1D5B5 **V** MATHEMATICAL SANS-SERIF CAPITAL V  
 ≈ <font> 0056 **V** latin capital letter v  
 1D5B6 **W** MATHEMATICAL SANS-SERIF CAPITAL W  
 ≈ <font> 0057 **W** latin capital letter w  
 1D5B7 **X** MATHEMATICAL SANS-SERIF CAPITAL X  
 ≈ <font> 0058 **X** latin capital letter x  
 1D5B8 **Y** MATHEMATICAL SANS-SERIF CAPITAL Y  
 ≈ <font> 0059 **Y** latin capital letter y  
 1D5B9 **Z** MATHEMATICAL SANS-SERIF CAPITAL Z  
 ≈ <font> 005A **Z** latin capital letter z

1D5BA **a** MATHEMATICAL SANS-SERIF SMALL A  
 ≈ <font> 0061 **a** latin small letter a  
 1D5BB **b** MATHEMATICAL SANS-SERIF SMALL B  
 ≈ <font> 0062 **b** latin small letter b  
 1D5BC **c** MATHEMATICAL SANS-SERIF SMALL C  
 ≈ <font> 0063 **c** latin small letter c  
 1D5BD **d** MATHEMATICAL SANS-SERIF SMALL D  
 ≈ <font> 0064 **d** latin small letter d  
 1D5BE **e** MATHEMATICAL SANS-SERIF SMALL E  
 ≈ <font> 0065 **e** latin small letter e  
 1D5BF **f** MATHEMATICAL SANS-SERIF SMALL F  
 ≈ <font> 0066 **f** latin small letter f  
 1D5C0 **g** MATHEMATICAL SANS-SERIF SMALL G  
 ≈ <font> 0067 **g** latin small letter g  
 1D5C1 **h** MATHEMATICAL SANS-SERIF SMALL H  
 ≈ <font> 0068 **h** latin small letter h  
 1D5C2 **i** MATHEMATICAL SANS-SERIF SMALL I  
 ≈ <font> 0069 **i** latin small letter i  
 1D5C3 **j** MATHEMATICAL SANS-SERIF SMALL J  
 ≈ <font> 006A **j** latin small letter j  
 1D5C4 **k** MATHEMATICAL SANS-SERIF SMALL K  
 ≈ <font> 006B **k** latin small letter k  
 1D5C5 **l** MATHEMATICAL SANS-SERIF SMALL L  
 ≈ <font> 006C **l** latin small letter l  
 1D5C6 **m** MATHEMATICAL SANS-SERIF SMALL M  
 ≈ <font> 006D **m** latin small letter m  
 1D5C7 **n** MATHEMATICAL SANS-SERIF SMALL N  
 ≈ <font> 006E **n** latin small letter n  
 1D5C8 **o** MATHEMATICAL SANS-SERIF SMALL O  
 ≈ <font> 006F **o** latin small letter o  
 1D5C9 **p** MATHEMATICAL SANS-SERIF SMALL P  
 ≈ <font> 0070 **p** latin small letter p  
 1D5CA **q** MATHEMATICAL SANS-SERIF SMALL Q  
 ≈ <font> 0071 **q** latin small letter q  
 1D5CB **r** MATHEMATICAL SANS-SERIF SMALL R  
 ≈ <font> 0072 **r** latin small letter r  
 1D5CC **s** MATHEMATICAL SANS-SERIF SMALL S  
 ≈ <font> 0073 **s** latin small letter s  
 1D5CD **t** MATHEMATICAL SANS-SERIF SMALL T  
 ≈ <font> 0074 **t** latin small letter t  
 1D5CE **u** MATHEMATICAL SANS-SERIF SMALL U  
 ≈ <font> 0075 **u** latin small letter u  
 1D5CF **v** MATHEMATICAL SANS-SERIF SMALL V  
 ≈ <font> 0076 **v** latin small letter v  
 1D5D0 **w** MATHEMATICAL SANS-SERIF SMALL W  
 ≈ <font> 0077 **w** latin small letter w  
 1D5D1 **x** MATHEMATICAL SANS-SERIF SMALL X  
 ≈ <font> 0078 **x** latin small letter x  
 1D5D2 **y** MATHEMATICAL SANS-SERIF SMALL Y  
 ≈ <font> 0079 **y** latin small letter y  
 1D5D3 **z** MATHEMATICAL SANS-SERIF SMALL Z  
 ≈ <font> 007A **z** latin small letter z

**Sans-serif bold symbols**

1D5D4 **A** MATHEMATICAL SANS-SERIF BOLD CAPITAL A  
 ≈ <font> 0041 **A** latin capital letter a  
 1D5D5 **B** MATHEMATICAL SANS-SERIF BOLD CAPITAL B  
 ≈ <font> 0042 **B** latin capital letter b  
 1D5D6 **C** MATHEMATICAL SANS-SERIF BOLD CAPITAL C  
 ≈ <font> 0043 **C** latin capital letter c  
 1D5D7 **D** MATHEMATICAL SANS-SERIF BOLD CAPITAL D  
 ≈ <font> 0044 **D** latin capital letter d



1D615 **N** MATHEMATICAL SANS-SERIF ITALIC CAPITAL N  
 ≈ <font> 004E **N** latin capital letter n

1D616 **O** MATHEMATICAL SANS-SERIF ITALIC CAPITAL O  
 ≈ <font> 004F **O** latin capital letter o

1D617 **P** MATHEMATICAL SANS-SERIF ITALIC CAPITAL P  
 ≈ <font> 0050 **P** latin capital letter p

1D618 **Q** MATHEMATICAL SANS-SERIF ITALIC CAPITAL Q  
 ≈ <font> 0051 **Q** latin capital letter q

1D619 **R** MATHEMATICAL SANS-SERIF ITALIC CAPITAL R  
 ≈ <font> 0052 **R** latin capital letter r

1D61A **S** MATHEMATICAL SANS-SERIF ITALIC CAPITAL S  
 ≈ <font> 0053 **S** latin capital letter s

1D61B **T** MATHEMATICAL SANS-SERIF ITALIC CAPITAL T  
 ≈ <font> 0054 **T** latin capital letter t

1D61C **U** MATHEMATICAL SANS-SERIF ITALIC CAPITAL U  
 ≈ <font> 0055 **U** latin capital letter u

1D61D **V** MATHEMATICAL SANS-SERIF ITALIC CAPITAL V  
 ≈ <font> 0056 **V** latin capital letter v

1D61E **W** MATHEMATICAL SANS-SERIF ITALIC CAPITAL W  
 ≈ <font> 0057 **W** latin capital letter w

1D61F **X** MATHEMATICAL SANS-SERIF ITALIC CAPITAL X  
 ≈ <font> 0058 **X** latin capital letter x

1D620 **Y** MATHEMATICAL SANS-SERIF ITALIC CAPITAL Y  
 ≈ <font> 0059 **Y** latin capital letter y

1D621 **Z** MATHEMATICAL SANS-SERIF ITALIC CAPITAL Z  
 ≈ <font> 005A **Z** latin capital letter z

1D622 **a** MATHEMATICAL SANS-SERIF ITALIC SMALL A  
 ≈ <font> 0061 **a** latin small letter a

1D623 **b** MATHEMATICAL SANS-SERIF ITALIC SMALL B  
 ≈ <font> 0062 **b** latin small letter b

1D624 **c** MATHEMATICAL SANS-SERIF ITALIC SMALL C  
 ≈ <font> 0063 **c** latin small letter c

1D625 **d** MATHEMATICAL SANS-SERIF ITALIC SMALL D  
 ≈ <font> 0064 **d** latin small letter d

1D626 **e** MATHEMATICAL SANS-SERIF ITALIC SMALL E  
 ≈ <font> 0065 **e** latin small letter e

1D627 **f** MATHEMATICAL SANS-SERIF ITALIC SMALL F  
 ≈ <font> 0066 **f** latin small letter f

1D628 **g** MATHEMATICAL SANS-SERIF ITALIC SMALL G  
 ≈ <font> 0067 **g** latin small letter g

1D629 **h** MATHEMATICAL SANS-SERIF ITALIC SMALL H  
 ≈ <font> 0068 **h** latin small letter h

1D62A **i** MATHEMATICAL SANS-SERIF ITALIC SMALL I  
 ≈ <font> 0069 **i** latin small letter i

1D62B **j** MATHEMATICAL SANS-SERIF ITALIC SMALL J  
 ≈ <font> 006A **j** latin small letter j

1D62C **k** MATHEMATICAL SANS-SERIF ITALIC SMALL K  
 ≈ <font> 006B **k** latin small letter k

1D62D **l** MATHEMATICAL SANS-SERIF ITALIC SMALL L  
 ≈ <font> 006C **l** latin small letter l

1D62E **m** MATHEMATICAL SANS-SERIF ITALIC SMALL M  
 ≈ <font> 006D **m** latin small letter m

1D62F **n** MATHEMATICAL SANS-SERIF ITALIC SMALL N  
 ≈ <font> 006E **n** latin small letter n

1D630 **o** MATHEMATICAL SANS-SERIF ITALIC SMALL O  
 ≈ <font> 006F **o** latin small letter o

1D631 **p** MATHEMATICAL SANS-SERIF ITALIC SMALL P  
 ≈ <font> 0070 **p** latin small letter p

1D632 **q** MATHEMATICAL SANS-SERIF ITALIC SMALL Q  
 ≈ <font> 0071 **q** latin small letter q

1D633 **r** MATHEMATICAL SANS-SERIF ITALIC SMALL R  
 ≈ <font> 0072 **r** latin small letter r

1D634 **s** MATHEMATICAL SANS-SERIF ITALIC SMALL S  
 ≈ <font> 0073 **s** latin small letter s

1D635 **t** MATHEMATICAL SANS-SERIF ITALIC SMALL T  
 ≈ <font> 0074 **t** latin small letter t

1D636 **u** MATHEMATICAL SANS-SERIF ITALIC SMALL U  
 ≈ <font> 0075 **u** latin small letter u

1D637 **v** MATHEMATICAL SANS-SERIF ITALIC SMALL V  
 ≈ <font> 0076 **v** latin small letter v

1D638 **w** MATHEMATICAL SANS-SERIF ITALIC SMALL W  
 ≈ <font> 0077 **w** latin small letter w

1D639 **x** MATHEMATICAL SANS-SERIF ITALIC SMALL X  
 ≈ <font> 0078 **x** latin small letter x

1D63A **y** MATHEMATICAL SANS-SERIF ITALIC SMALL Y  
 ≈ <font> 0079 **y** latin small letter y

1D63B **z** MATHEMATICAL SANS-SERIF ITALIC SMALL Z  
 ≈ <font> 007A **z** latin small letter z

**Sans-serif bold italic symbols**

1D63C **A** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL A  
 ≈ <font> 0041 **A** latin capital letter a

1D63D **B** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL B  
 ≈ <font> 0042 **B** latin capital letter b

1D63E **C** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL C  
 ≈ <font> 0043 **C** latin capital letter c

1D63F **D** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL D  
 ≈ <font> 0044 **D** latin capital letter d

1D640 **E** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL E  
 ≈ <font> 0045 **E** latin capital letter e

1D641 **F** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL F  
 ≈ <font> 0046 **F** latin capital letter f

1D642 **G** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL G  
 ≈ <font> 0047 **G** latin capital letter g

1D643 **H** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL H  
 ≈ <font> 0048 **H** latin capital letter h

1D644 **I** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL I  
 ≈ <font> 0049 **I** latin capital letter i

1D645 **J** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL J  
 ≈ <font> 004A **J** latin capital letter j

1D646 **K** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL K  
 ≈ <font> 004B **K** latin capital letter k

1D647 **L** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL L  
 ≈ <font> 004C **L** latin capital letter l

1D648 **M** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL M  
 ≈ <font> 004D **M** latin capital letter m

1D649 **N** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL N  
 ≈ <font> 004E **N** latin capital letter n

1D64A **O** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL O  
 ≈ <font> 004F **O** latin capital letter o

1D64B **P** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL P  
 ≈ <font> 0050 **P** latin capital letter p

1D64C **Q** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL Q  
 ≈ <font> 0051 **Q** latin capital letter q

1D64D **R** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL R  
 ≈ <font> 0052 **R** latin capital letter r

1D64E **S** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL S  
 ≈ <font> 0053 **S** latin capital letter s

1D64F **T** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL T  
 ≈ <font> 0054 **T** latin capital letter t

1D650 **U** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL U  
 ≈ <font> 0055 **U** latin capital letter u

1D651 **V** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL V  
 ≈ <font> 0056 **V** latin capital letter v

1D652 **W** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL W  
 ≈ <font> 0057 **W** latin capital letter w

1D653 **X** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL X  
 ≈ <font> 0058 **X** latin capital letter x

1D654 **Y** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL Y  
 ≈ <font> 0059 **Y** latin capital letter y

1D655 **Z** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL Z  
 ≈ <font> 005A **Z** latin capital letter z

1D656 **a** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL A  
 ≈ <font> 0061 **a** latin small letter a

1D657 **b** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL B  
 ≈ <font> 0062 **b** latin small letter b

1D658 **c** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL C  
 ≈ <font> 0063 **c** latin small letter c

1D659 **d** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL D  
 ≈ <font> 0064 **d** latin small letter d

1D65A **e** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL E  
 ≈ <font> 0065 **e** latin small letter e

1D65B **f** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL F  
 ≈ <font> 0066 **f** latin small letter f

1D65C **g** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL G  
 ≈ <font> 0067 **g** latin small letter g

1D65D **h** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL H  
 ≈ <font> 0068 **h** latin small letter h

1D65E **i** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL I  
 ≈ <font> 0069 **i** latin small letter i

1D65F **j** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL J  
 ≈ <font> 006A **j** latin small letter j

1D660 **k** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL K  
 ≈ <font> 006B **k** latin small letter k

1D661 **l** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL L  
 ≈ <font> 006C **l** latin small letter l

1D662 **m** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL M  
 ≈ <font> 006D **m** latin small letter m

1D663 **n** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL N  
 ≈ <font> 006E **n** latin small letter n

1D664 **o** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL O  
 ≈ <font> 006F **o** latin small letter o

1D665 **p** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL P  
 ≈ <font> 0070 **p** latin small letter p

1D666 **q** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL Q  
 ≈ <font> 0071 **q** latin small letter q

1D667 **r** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL R  
 ≈ <font> 0072 **r** latin small letter r

1D668 **s** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL S  
 ≈ <font> 0073 **s** latin small letter s

1D669 **t** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL T  
 ≈ <font> 0074 **t** latin small letter t

1D66A **u** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL U  
 ≈ <font> 0075 **u** latin small letter u

1D66B **v** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL V  
 ≈ <font> 0076 **v** latin small letter v

1D66C **w** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL W  
 ≈ <font> 0077 **w** latin small letter w

1D66D **x** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL X  
 ≈ <font> 0078 **x** latin small letter x

1D66E **y** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL Y  
 ≈ <font> 0079 **y** latin small letter y

1D66F **z** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL Z  
 ≈ <font> 007A **z** latin small letter z

**Monospace symbols**

1D670 **A** MATHEMATICAL MONOSPACE CAPITAL A  
 ≈ <font> 0041 **A** latin capital letter a

1D671 **B** MATHEMATICAL MONOSPACE CAPITAL B  
 ≈ <font> 0042 **B** latin capital letter b

1D672 **C** MATHEMATICAL MONOSPACE CAPITAL C  
 ≈ <font> 0043 **C** latin capital letter c

1D673 **D** MATHEMATICAL MONOSPACE CAPITAL D  
 ≈ <font> 0044 **D** latin capital letter d

1D674 **E** MATHEMATICAL MONOSPACE CAPITAL E  
 ≈ <font> 0045 **E** latin capital letter e

1D675 **F** MATHEMATICAL MONOSPACE CAPITAL F  
 ≈ <font> 0046 **F** latin capital letter f

1D676 **G** MATHEMATICAL MONOSPACE CAPITAL G  
 ≈ <font> 0047 **G** latin capital letter g

1D677 **H** MATHEMATICAL MONOSPACE CAPITAL H  
 ≈ <font> 0048 **H** latin capital letter h

1D678 **I** MATHEMATICAL MONOSPACE CAPITAL I  
 ≈ <font> 0049 **I** latin capital letter i

1D679 **J** MATHEMATICAL MONOSPACE CAPITAL J  
 ≈ <font> 004A **J** latin capital letter j

1D67A **K** MATHEMATICAL MONOSPACE CAPITAL K  
 ≈ <font> 004B **K** latin capital letter k

1D67B **L** MATHEMATICAL MONOSPACE CAPITAL L  
 ≈ <font> 004C **L** latin capital letter l

1D67C **M** MATHEMATICAL MONOSPACE CAPITAL M  
 ≈ <font> 004D **M** latin capital letter m

1D67D **N** MATHEMATICAL MONOSPACE CAPITAL N  
 ≈ <font> 004E **N** latin capital letter n

1D67E **O** MATHEMATICAL MONOSPACE CAPITAL O  
 ≈ <font> 004F **O** latin capital letter o

1D67F **P** MATHEMATICAL MONOSPACE CAPITAL P  
 ≈ <font> 0050 **P** latin capital letter p

1D680 **Q** MATHEMATICAL MONOSPACE CAPITAL Q  
 ≈ <font> 0051 **Q** latin capital letter q

1D681 **R** MATHEMATICAL MONOSPACE CAPITAL R  
 ≈ <font> 0052 **R** latin capital letter r

1D682 **S** MATHEMATICAL MONOSPACE CAPITAL S  
 ≈ <font> 0053 **S** latin capital letter s

1D683 **T** MATHEMATICAL MONOSPACE CAPITAL T  
 ≈ <font> 0054 **T** latin capital letter t

1D684 **U** MATHEMATICAL MONOSPACE CAPITAL U  
 ≈ <font> 0055 **U** latin capital letter u

1D685 **V** MATHEMATICAL MONOSPACE CAPITAL V  
 ≈ <font> 0056 **V** latin capital letter v

1D686 **W** MATHEMATICAL MONOSPACE CAPITAL W  
 ≈ <font> 0057 **W** latin capital letter w

1D687 **X** MATHEMATICAL MONOSPACE CAPITAL X  
 ≈ <font> 0058 **X** latin capital letter x

1D688 **Y** MATHEMATICAL MONOSPACE CAPITAL Y  
 ≈ <font> 0059 **Y** latin capital letter y

1D689 **Z** MATHEMATICAL MONOSPACE CAPITAL Z  
 ≈ <font> 005A **Z** latin capital letter z

1D68A **a** MATHEMATICAL MONOSPACE SMALL A  
 ≈ <font> 0061 **a** latin small letter a

1D68B **b** MATHEMATICAL MONOSPACE SMALL B  
 ≈ <font> 0062 **b** latin small letter b

1D68C **c** MATHEMATICAL MONOSPACE SMALL C  
 ≈ <font> 0063 **c** latin small letter c

1D68D **d** MATHEMATICAL MONOSPACE SMALL D  
 ≈ <font> 0064 **d** latin small letter d

1D68E **e** MATHEMATICAL MONOSPACE SMALL E  
 ≈ <font> 0065 **e** latin small letter e

1D68F **f** MATHEMATICAL MONOSPACE SMALL F  
 ≈ <font> 0066 **f** latin small letter f

1D690 **g** MATHEMATICAL MONOSPACE SMALL G  
 ≈ <font> 0067 **g** latin small letter g

1D691 **h** MATHEMATICAL MONOSPACE SMALL H  
 ≈ <font> 0068 **h** latin small letter h

1D692 **i** MATHEMATICAL MONOSPACE SMALL I  
 ≈ <font> 0069 **i** latin small letter i

1D693 **j** MATHEMATICAL MONOSPACE SMALL J  
 ≈ <font> 006A **j** latin small letter j

1D694 **k** MATHEMATICAL MONOSPACE SMALL K  
 ≈ <font> 006B **k** latin small letter k

1D695 **l** MATHEMATICAL MONOSPACE SMALL L  
 ≈ <font> 006C **l** latin small letter l

1D696 **m** MATHEMATICAL MONOSPACE SMALL M  
 ≈ <font> 006D **m** latin small letter m

1D697 **n** MATHEMATICAL MONOSPACE SMALL N  
 ≈ <font> 006E **n** latin small letter n

1D698 **o** MATHEMATICAL MONOSPACE SMALL O  
 ≈ <font> 006F **o** latin small letter o

1D699 **p** MATHEMATICAL MONOSPACE SMALL P  
 ≈ <font> 0070 **p** latin small letter p

1D69A **q** MATHEMATICAL MONOSPACE SMALL Q  
 ≈ <font> 0071 **q** latin small letter q

1D69B **r** MATHEMATICAL MONOSPACE SMALL R  
 ≈ <font> 0072 **r** latin small letter r

1D69C **s** MATHEMATICAL MONOSPACE SMALL S  
 ≈ <font> 0073 **s** latin small letter s

1D69D **t** MATHEMATICAL MONOSPACE SMALL T  
 ≈ <font> 0074 **t** latin small letter t

1D69E **u** MATHEMATICAL MONOSPACE SMALL U  
 ≈ <font> 0075 **u** latin small letter u

1D69F **v** MATHEMATICAL MONOSPACE SMALL V  
 ≈ <font> 0076 **v** latin small letter v

1D6A0 **w** MATHEMATICAL MONOSPACE SMALL W  
 ≈ <font> 0077 **w** latin small letter w

1D6A1 **x** MATHEMATICAL MONOSPACE SMALL X  
 ≈ <font> 0078 **x** latin small letter x

1D6A2 **y** MATHEMATICAL MONOSPACE SMALL Y  
 ≈ <font> 0079 **y** latin small letter y

1D6A3 **z** MATHEMATICAL MONOSPACE SMALL Z  
 ≈ <font> 007A **z** latin small letter z

#### Dotless symbols

*For use as independent symbols. These are not required as base characters for accents since regular i and j are soft-dotted in Unicode.*

1D6A4 **ı** MATHEMATICAL ITALIC SMALL DOTLESS I  
 = \imath  
 → 0131 **ı** latin small letter dotless i  
 → 1D456 **i** mathematical italic small i  
 ≈ <font> 0131 **ı** latin small letter dotless i

1D6A5 **ĵ** MATHEMATICAL ITALIC SMALL DOTLESS J  
 = \jmath  
 → 0237 **ĵ** latin small letter dotless j  
 → 1D457 **j** mathematical italic small j  
 ≈ <font> 0237 **ĵ** latin small letter dotless j

#### Bold Greek symbols

1D6A8 **Α** MATHEMATICAL BOLD CAPITAL ALPHA  
 ≈ <font> 0391 **Α** greek capital letter alpha

1D6A9 **Β** MATHEMATICAL BOLD CAPITAL BETA  
 ≈ <font> 0392 **Β** greek capital letter beta

1D6AA **Γ** MATHEMATICAL BOLD CAPITAL GAMMA  
 ≈ <font> 0393 **Γ** greek capital letter gamma

1D6AB **Δ** MATHEMATICAL BOLD CAPITAL DELTA  
 ≈ <font> 0394 **Δ** greek capital letter delta

1D6AC **Ε** MATHEMATICAL BOLD CAPITAL EPSILON  
 ≈ <font> 0395 **Ε** greek capital letter epsilon

1D6AD **Ζ** MATHEMATICAL BOLD CAPITAL ZETA  
 ≈ <font> 0396 **Ζ** greek capital letter zeta

1D6AE **Η** MATHEMATICAL BOLD CAPITAL ETA  
 ≈ <font> 0397 **Η** greek capital letter eta

1D6AF **Θ** MATHEMATICAL BOLD CAPITAL THETA  
 ≈ <font> 0398 **Θ** greek capital letter theta

1D6B0 **Ι** MATHEMATICAL BOLD CAPITAL IOTA  
 ≈ <font> 0399 **Ι** greek capital letter iota

1D6B1 **K** MATHEMATICAL BOLD CAPITAL KAPPA  
 ≈ <font> 039A **K** greek capital letter kappa

1D6B2 **Λ** MATHEMATICAL BOLD CAPITAL LAMDA  
 ≈ <font> 039B **Λ** greek capital letter lamda

1D6B3 **M** MATHEMATICAL BOLD CAPITAL MU  
 ≈ <font> 039C **M** greek capital letter mu

1D6B4 **N** MATHEMATICAL BOLD CAPITAL NU  
 ≈ <font> 039D **N** greek capital letter nu

1D6B5 **Ξ** MATHEMATICAL BOLD CAPITAL XI  
 ≈ <font> 039E **Ξ** greek capital letter xi

1D6B6 **O** MATHEMATICAL BOLD CAPITAL OMICRON  
 ≈ <font> 039F **O** greek capital letter omicron

1D6B7 **Π** MATHEMATICAL BOLD CAPITAL PI  
 ≈ <font> 03A0 **Π** greek capital letter pi

1D6B8 **P** MATHEMATICAL BOLD CAPITAL RHO  
 ≈ <font> 03A1 **P** greek capital letter rho

1D6B9 **Θ** MATHEMATICAL BOLD CAPITAL THETA SYMBOL  
 ≈ <font> 03F4 **Θ** greek capital theta symbol

1D6BA **Σ** MATHEMATICAL BOLD CAPITAL SIGMA  
 ≈ <font> 03A3 **Σ** greek capital letter sigma

1D6BB **T** MATHEMATICAL BOLD CAPITAL TAU  
 ≈ <font> 03A4 **T** greek capital letter tau

1D6BC **Υ** MATHEMATICAL BOLD CAPITAL UPSILON  
 ≈ <font> 03A5 **Υ** greek capital letter upsilon

1D6BD **Φ** MATHEMATICAL BOLD CAPITAL PHI  
 ≈ <font> 03A6 **Φ** greek capital letter phi

1D6BE **X** MATHEMATICAL BOLD CAPITAL CHI  
 ≈ <font> 03A7 **X** greek capital letter chi

1D6BF **Ψ** MATHEMATICAL BOLD CAPITAL PSI  
 ≈ <font> 03A8 **Ψ** greek capital letter psi

1D6C0 **Ω** MATHEMATICAL BOLD CAPITAL OMEGA  
 ≈ <font> 03A9 **Ω** greek capital letter omega

1D6C1 **∇** MATHEMATICAL BOLD NABLA  
 ≈ <font> 2207 **∇** nabla

1D6C2 **α** MATHEMATICAL BOLD SMALL ALPHA  
 ≈ <font> 03B1 **α** greek small letter alpha

1D6C3 **β** MATHEMATICAL BOLD SMALL BETA  
 ≈ <font> 03B2 **β** greek small letter beta

1D6C4 **γ** MATHEMATICAL BOLD SMALL GAMMA  
 ≈ <font> 03B3 **γ** greek small letter gamma

1D6C5 **δ** MATHEMATICAL BOLD SMALL DELTA  
 ≈ <font> 03B4 **δ** greek small letter delta

1D6C6 **ε** MATHEMATICAL BOLD SMALL EPSILON  
 ≈ <font> 03B5 **ε** greek small letter epsilon

1D6C7 **ζ** MATHEMATICAL BOLD SMALL ZETA  
 ≈ <font> 03B6 **ζ** greek small letter zeta

1D6C8 **η** MATHEMATICAL BOLD SMALL ETA  
 ≈ <font> 03B7 **η** greek small letter eta

1D6C9 **θ** MATHEMATICAL BOLD SMALL THETA  
 ≈ <font> 03B8 **θ** greek small letter theta

1D6CA **ι** MATHEMATICAL BOLD SMALL IOTA  
 ≈ <font> 03B9 **ι** greek small letter iota

1D6CB **κ** MATHEMATICAL BOLD SMALL KAPPA  
 ≈ <font> 03BA **κ** greek small letter kappa

1D6CC **λ** MATHEMATICAL BOLD SMALL LAMDA  
 ≈ <font> 03BB **λ** greek small letter lamda

1D6CD **μ** MATHEMATICAL BOLD SMALL MU  
 ≈ <font> 03BC **μ** greek small letter mu

1D6CE **ν** MATHEMATICAL BOLD SMALL NU  
 ≈ <font> 03BD **ν** greek small letter nu

1D6CF **ξ** MATHEMATICAL BOLD SMALL XI  
 ≈ <font> 03BE **ξ** greek small letter xi

1D6D0 **ο** MATHEMATICAL BOLD SMALL OMICRON  
 ≈ <font> 03BF **ο** greek small letter omicron

1D6D1 **π** MATHEMATICAL BOLD SMALL PI  
 ≈ <font> 03C0 **π** greek small letter pi

1D6D2 **ρ** MATHEMATICAL BOLD SMALL RHO  
 ≈ <font> 03C1 **ρ** greek small letter rho

1D6D3 **ς** MATHEMATICAL BOLD SMALL FINAL SIGMA  
 ≈ <font> 03C2 **ς** greek small letter final sigma

1D6D4 **σ** MATHEMATICAL BOLD SMALL SIGMA  
 ≈ <font> 03C3 **σ** greek small letter sigma

1D6D5 **τ** MATHEMATICAL BOLD SMALL TAU  
 ≈ <font> 03C4 **τ** greek small letter tau

1D6D6 **υ** MATHEMATICAL BOLD SMALL UPSILON  
 ≈ <font> 03C5 **υ** greek small letter upsilon

1D6D7 **φ** MATHEMATICAL BOLD SMALL PHI  
 ≈ <font> 03C6 **φ** greek small letter phi

1D6D8 **χ** MATHEMATICAL BOLD SMALL CHI  
 ≈ <font> 03C7 **χ** greek small letter chi

1D6D9 **ψ** MATHEMATICAL BOLD SMALL PSI  
 ≈ <font> 03C8 **ψ** greek small letter psi

1D6DA **ω** MATHEMATICAL BOLD SMALL OMEGA  
 ≈ <font> 03C9 **ω** greek small letter omega

**Additional bold Greek symbols**

1D6DB **∂** MATHEMATICAL BOLD PARTIAL DIFFERENTIAL  
 ≈ <font> 2202 **∂** partial differential

1D6DC **ε** MATHEMATICAL BOLD EPSILON SYMBOL  
 ≈ <font> 03F5 **ε** greek lunate epsilon symbol

1D6DD **ϑ** MATHEMATICAL BOLD THETA SYMBOL  
 ≈ <font> 03D1 **ϑ** greek theta symbol

1D6DE **κ** MATHEMATICAL BOLD KAPPA SYMBOL  
 ≈ <font> 03F0 **κ** greek kappa symbol

1D6DF **φ** MATHEMATICAL BOLD PHI SYMBOL  
 ≈ <font> 03D5 **φ** greek phi symbol

1D6E0 **ρ** MATHEMATICAL BOLD RHO SYMBOL  
 ≈ <font> 03F1 **ρ** greek rho symbol

1D6E1 **π** MATHEMATICAL BOLD PI SYMBOL  
 ≈ <font> 03D6 **π** greek pi symbol

**Italic Greek symbols**

1D6E2 **Α** MATHEMATICAL ITALIC CAPITAL ALPHA  
 ≈ <font> 0391 **Α** greek capital letter alpha

1D6E3 **Β** MATHEMATICAL ITALIC CAPITAL BETA  
 ≈ <font> 0392 **Β** greek capital letter beta

1D6E4 **Γ** MATHEMATICAL ITALIC CAPITAL GAMMA  
 ≈ <font> 0393 **Γ** greek capital letter gamma

1D6E5 **Δ** MATHEMATICAL ITALIC CAPITAL DELTA  
 ≈ <font> 0394 **Δ** greek capital letter delta

1D6E6 **Ε** MATHEMATICAL ITALIC CAPITAL EPSILON  
 ≈ <font> 0395 **Ε** greek capital letter epsilon

1D6E7 **Ζ** MATHEMATICAL ITALIC CAPITAL ZETA  
 ≈ <font> 0396 **Ζ** greek capital letter zeta

1D6E8 **Η** MATHEMATICAL ITALIC CAPITAL ETA  
 ≈ <font> 0397 **Η** greek capital letter eta

1D6E9 **Θ** MATHEMATICAL ITALIC CAPITAL THETA  
 ≈ <font> 0398 **Θ** greek capital letter theta

1D6EA **Ι** MATHEMATICAL ITALIC CAPITAL IOTA  
 ≈ <font> 0399 **Ι** greek capital letter iota

1D6EB **Κ** MATHEMATICAL ITALIC CAPITAL KAPPA  
 ≈ <font> 039A **Κ** greek capital letter kappa

1D6EC  $\Lambda$  MATHEMATICAL ITALIC CAPITAL LAMDA  
 $\approx$  <font> 039B  $\Lambda$  greek capital letter lamda

1D6ED  $M$  MATHEMATICAL ITALIC CAPITAL MU  
 $\approx$  <font> 039C  $M$  greek capital letter mu

1D6EE  $N$  MATHEMATICAL ITALIC CAPITAL NU  
 $\approx$  <font> 039D  $N$  greek capital letter nu

1D6EF  $\Xi$  MATHEMATICAL ITALIC CAPITAL XI  
 $\approx$  <font> 039E  $\Xi$  greek capital letter xi

1D6F0  $O$  MATHEMATICAL ITALIC CAPITAL OMICRON  
 $\approx$  <font> 039F  $O$  greek capital letter omicron

1D6F1  $\Pi$  MATHEMATICAL ITALIC CAPITAL PI  
 $\approx$  <font> 03A0  $\Pi$  greek capital letter pi

1D6F2  $P$  MATHEMATICAL ITALIC CAPITAL RHO  
 $\approx$  <font> 03A1  $P$  greek capital letter rho

1D6F3  $\Theta$  MATHEMATICAL ITALIC CAPITAL THETA SYMBOL  
 $\approx$  <font> 03F4  $\Theta$  greek capital theta symbol

1D6F4  $\Sigma$  MATHEMATICAL ITALIC CAPITAL SIGMA  
 $\approx$  <font> 03A3  $\Sigma$  greek capital letter sigma

1D6F5  $T$  MATHEMATICAL ITALIC CAPITAL TAU  
 $\approx$  <font> 03A4  $T$  greek capital letter tau

1D6F6  $Y$  MATHEMATICAL ITALIC CAPITAL UPSILON  
 $\approx$  <font> 03A5  $Y$  greek capital letter upsilon

1D6F7  $\Phi$  MATHEMATICAL ITALIC CAPITAL PHI  
 $\approx$  <font> 03A6  $\Phi$  greek capital letter phi

1D6F8  $X$  MATHEMATICAL ITALIC CAPITAL CHI  
 $\approx$  <font> 03A7  $X$  greek capital letter chi

1D6F9  $\Psi$  MATHEMATICAL ITALIC CAPITAL PSI  
 $\approx$  <font> 03A8  $\Psi$  greek capital letter psi

1D6FA  $\Omega$  MATHEMATICAL ITALIC CAPITAL OMEGA  
 $\approx$  <font> 03A9  $\Omega$  greek capital letter omega

1D6FB  $\nabla$  MATHEMATICAL ITALIC NABLA  
 $\approx$  <font> 2207  $\nabla$  nabra

1D6FC  $\alpha$  MATHEMATICAL ITALIC SMALL ALPHA  
 $\approx$  <font> 03B1  $\alpha$  greek small letter alpha

1D6FD  $\beta$  MATHEMATICAL ITALIC SMALL BETA  
 $\approx$  <font> 03B2  $\beta$  greek small letter beta

1D6FE  $\gamma$  MATHEMATICAL ITALIC SMALL GAMMA  
 $\approx$  <font> 03B3  $\gamma$  greek small letter gamma

1D6FF  $\delta$  MATHEMATICAL ITALIC SMALL DELTA  
 $\approx$  <font> 03B4  $\delta$  greek small letter delta

1D700  $\epsilon$  MATHEMATICAL ITALIC SMALL EPSILON  
 $\approx$  <font> 03B5  $\epsilon$  greek small letter epsilon

1D701  $\zeta$  MATHEMATICAL ITALIC SMALL ZETA  
 $\approx$  <font> 03B6  $\zeta$  greek small letter zeta

1D702  $\eta$  MATHEMATICAL ITALIC SMALL ETA  
 $\approx$  <font> 03B7  $\eta$  greek small letter eta

1D703  $\theta$  MATHEMATICAL ITALIC SMALL THETA  
 $\approx$  <font> 03B8  $\theta$  greek small letter theta

1D704  $\iota$  MATHEMATICAL ITALIC SMALL IOTA  
 $\approx$  <font> 03B9  $\iota$  greek small letter iota

1D705  $\kappa$  MATHEMATICAL ITALIC SMALL KAPPA  
 $\approx$  <font> 03BA  $\kappa$  greek small letter kappa

1D706  $\lambda$  MATHEMATICAL ITALIC SMALL LAMDA  
 $\approx$  <font> 03BB  $\lambda$  greek small letter lamda

1D707  $\mu$  MATHEMATICAL ITALIC SMALL MU  
 $\approx$  <font> 03BC  $\mu$  greek small letter mu

1D708  $\nu$  MATHEMATICAL ITALIC SMALL NU  
 $\approx$  <font> 03BD  $\nu$  greek small letter nu

1D709  $\xi$  MATHEMATICAL ITALIC SMALL XI  
 $\approx$  <font> 03BE  $\xi$  greek small letter xi

1D70A  $o$  MATHEMATICAL ITALIC SMALL OMICRON  
 $\approx$  <font> 03BF  $o$  greek small letter omicron

1D70B  $\pi$  MATHEMATICAL ITALIC SMALL PI  
 $\approx$  <font> 03C0  $\pi$  greek small letter pi

1D70C  $\rho$  MATHEMATICAL ITALIC SMALL RHO  
 $\approx$  <font> 03C1  $\rho$  greek small letter rho

1D70D  $\varsigma$  MATHEMATICAL ITALIC SMALL FINAL SIGMA  
 $\approx$  <font> 03C2  $\varsigma$  greek small letter final sigma

1D70E  $\sigma$  MATHEMATICAL ITALIC SMALL SIGMA  
 $\approx$  <font> 03C3  $\sigma$  greek small letter sigma

1D70F  $\tau$  MATHEMATICAL ITALIC SMALL TAU  
 $\approx$  <font> 03C4  $\tau$  greek small letter tau

1D710  $\upsilon$  MATHEMATICAL ITALIC SMALL UPSILON  
 $\approx$  <font> 03C5  $\upsilon$  greek small letter upsilon

1D711  $\phi$  MATHEMATICAL ITALIC SMALL PHI  
 $\approx$  <font> 03C6  $\phi$  greek small letter phi

1D712  $\chi$  MATHEMATICAL ITALIC SMALL CHI  
 $\approx$  <font> 03C7  $\chi$  greek small letter chi

1D713  $\psi$  MATHEMATICAL ITALIC SMALL PSI  
 $\approx$  <font> 03C8  $\psi$  greek small letter psi

1D714  $\omega$  MATHEMATICAL ITALIC SMALL OMEGA  
 $\approx$  <font> 03C9  $\omega$  greek small letter omega

**Additional italic Greek symbols**

1D715  $\partial$  MATHEMATICAL ITALIC PARTIAL DIFFERENTIAL  
 $\approx$  <font> 2202  $\partial$  partial differential

1D716  $\epsilon$  MATHEMATICAL ITALIC EPSILON SYMBOL  
 $\approx$  <font> 03F5  $\epsilon$  greek lunate epsilon symbol

1D717  $\vartheta$  MATHEMATICAL ITALIC THETA SYMBOL  
 $\approx$  <font> 03D1  $\vartheta$  greek theta symbol

1D718  $\kappa$  MATHEMATICAL ITALIC KAPPA SYMBOL  
 $\approx$  <font> 03F0  $\kappa$  greek kappa symbol

1D719  $\phi$  MATHEMATICAL ITALIC PHI SYMBOL  
 $\approx$  <font> 03D5  $\phi$  greek phi symbol

1D71A  $\varrho$  MATHEMATICAL ITALIC RHO SYMBOL  
 $\approx$  <font> 03F1  $\varrho$  greek rho symbol

1D71B  $\varpi$  MATHEMATICAL ITALIC PI SYMBOL  
 $\approx$  <font> 03D6  $\varpi$  greek pi symbol

**Bold italic Greek symbols**

1D71C  **$A$**  MATHEMATICAL BOLD ITALIC CAPITAL ALPHA  
 $\approx$  <font> 0391  **$A$**  greek capital letter alpha

1D71D  **$B$**  MATHEMATICAL BOLD ITALIC CAPITAL BETA  
 $\approx$  <font> 0392  **$B$**  greek capital letter beta

1D71E  **$\Gamma$**  MATHEMATICAL BOLD ITALIC CAPITAL GAMMA  
 $\approx$  <font> 0393  **$\Gamma$**  greek capital letter gamma

1D71F  **$\Delta$**  MATHEMATICAL BOLD ITALIC CAPITAL DELTA  
 $\approx$  <font> 0394  **$\Delta$**  greek capital letter delta

1D720  **$E$**  MATHEMATICAL BOLD ITALIC CAPITAL EPSILON  
 $\approx$  <font> 0395  **$E$**  greek capital letter epsilon

1D721  **$Z$**  MATHEMATICAL BOLD ITALIC CAPITAL ZETA  
 $\approx$  <font> 0396  **$Z$**  greek capital letter zeta

1D722  **$H$**  MATHEMATICAL BOLD ITALIC CAPITAL ETA  
 $\approx$  <font> 0397  **$H$**  greek capital letter eta

1D723  **$\Theta$**  MATHEMATICAL BOLD ITALIC CAPITAL THETA  
 $\approx$  <font> 0398  **$\Theta$**  greek capital letter theta

1D724  **$I$**  MATHEMATICAL BOLD ITALIC CAPITAL IOTA  
 $\approx$  <font> 0399  **$I$**  greek capital letter iota

1D725  **$K$**  MATHEMATICAL BOLD ITALIC CAPITAL KAPPA  
 $\approx$  <font> 039A  **$K$**  greek capital letter kappa



1D726 **Λ** MATHEMATICAL BOLD ITALIC CAPITAL LAMDA  
 ≈ <font> 039B **Λ** greek capital letter lamda

1D727 **Μ** MATHEMATICAL BOLD ITALIC CAPITAL MU  
 ≈ <font> 039C **Μ** greek capital letter mu

1D728 **Ν** MATHEMATICAL BOLD ITALIC CAPITAL NU  
 ≈ <font> 039D **Ν** greek capital letter nu

1D729 **Ξ** MATHEMATICAL BOLD ITALIC CAPITAL XI  
 ≈ <font> 039E **Ξ** greek capital letter xi

1D72A **Ο** MATHEMATICAL BOLD ITALIC CAPITAL OMICRON  
 ≈ <font> 039F **Ο** greek capital letter omicron

1D72B **Π** MATHEMATICAL BOLD ITALIC CAPITAL PI  
 ≈ <font> 03A0 **Π** greek capital letter pi

1D72C **Ρ** MATHEMATICAL BOLD ITALIC CAPITAL RHO  
 ≈ <font> 03A1 **Ρ** greek capital letter rho

1D72D **Θ** MATHEMATICAL BOLD ITALIC CAPITAL THETA SYMBOL  
 ≈ <font> 03F4 **Θ** greek capital theta symbol

1D72E **Σ** MATHEMATICAL BOLD ITALIC CAPITAL SIGMA  
 ≈ <font> 03A3 **Σ** greek capital letter sigma

1D72F **Τ** MATHEMATICAL BOLD ITALIC CAPITAL TAU  
 ≈ <font> 03A4 **Τ** greek capital letter tau

1D730 **Υ** MATHEMATICAL BOLD ITALIC CAPITAL UPSILON  
 ≈ <font> 03A5 **Υ** greek capital letter upsilon

1D731 **Φ** MATHEMATICAL BOLD ITALIC CAPITAL PHI  
 ≈ <font> 03A6 **Φ** greek capital letter phi

1D732 **Χ** MATHEMATICAL BOLD ITALIC CAPITAL CHI  
 ≈ <font> 03A7 **Χ** greek capital letter chi

1D733 **Ψ** MATHEMATICAL BOLD ITALIC CAPITAL PSI  
 ≈ <font> 03A8 **Ψ** greek capital letter psi

1D734 **Ω** MATHEMATICAL BOLD ITALIC CAPITAL OMEGA  
 ≈ <font> 03A9 **Ω** greek capital letter omega

1D735 **∇** MATHEMATICAL BOLD ITALIC NABLA  
 ≈ <font> 2207 **∇** nabla

1D736 **α** MATHEMATICAL BOLD ITALIC SMALL ALPHA  
 ≈ <font> 03B1 **α** greek small letter alpha

1D737 **β** MATHEMATICAL BOLD ITALIC SMALL BETA  
 ≈ <font> 03B2 **β** greek small letter beta

1D738 **γ** MATHEMATICAL BOLD ITALIC SMALL GAMMA  
 ≈ <font> 03B3 **γ** greek small letter gamma

1D739 **δ** MATHEMATICAL BOLD ITALIC SMALL DELTA  
 ≈ <font> 03B4 **δ** greek small letter delta

1D73A **ε** MATHEMATICAL BOLD ITALIC SMALL EPSILON  
 ≈ <font> 03B5 **ε** greek small letter epsilon

1D73B **ζ** MATHEMATICAL BOLD ITALIC SMALL ZETA  
 ≈ <font> 03B6 **ζ** greek small letter zeta

1D73C **η** MATHEMATICAL BOLD ITALIC SMALL ETA  
 ≈ <font> 03B7 **η** greek small letter eta

1D73D **θ** MATHEMATICAL BOLD ITALIC SMALL THETA  
 ≈ <font> 03B8 **θ** greek small letter theta

1D73E **ι** MATHEMATICAL BOLD ITALIC SMALL IOTA  
 ≈ <font> 03B9 **ι** greek small letter iota

1D73F **κ** MATHEMATICAL BOLD ITALIC SMALL KAPPA  
 ≈ <font> 03BA **κ** greek small letter kappa

1D740 **λ** MATHEMATICAL BOLD ITALIC SMALL LAMDA  
 ≈ <font> 03BB **λ** greek small letter lamda

1D741 **μ** MATHEMATICAL BOLD ITALIC SMALL MU  
 ≈ <font> 03BC **μ** greek small letter mu

1D742 **ν** MATHEMATICAL BOLD ITALIC SMALL NU  
 ≈ <font> 03BD **ν** greek small letter nu

1D743 **ξ** MATHEMATICAL BOLD ITALIC SMALL XI  
 ≈ <font> 03BE **ξ** greek small letter xi

1D744 **ο** MATHEMATICAL BOLD ITALIC SMALL OMICRON  
 ≈ <font> 03BF **ο** greek small letter omicron

1D745 **π** MATHEMATICAL BOLD ITALIC SMALL PI  
 ≈ <font> 03C0 **π** greek small letter pi

1D746 **ρ** MATHEMATICAL BOLD ITALIC SMALL RHO  
 ≈ <font> 03C1 **ρ** greek small letter rho

1D747 **ς** MATHEMATICAL BOLD ITALIC SMALL FINAL SIGMA  
 ≈ <font> 03C2 **ς** greek small letter final sigma

1D748 **σ** MATHEMATICAL BOLD ITALIC SMALL SIGMA  
 ≈ <font> 03C3 **σ** greek small letter sigma

1D749 **τ** MATHEMATICAL BOLD ITALIC SMALL TAU  
 ≈ <font> 03C4 **τ** greek small letter tau

1D74A **υ** MATHEMATICAL BOLD ITALIC SMALL UPSILON  
 ≈ <font> 03C5 **υ** greek small letter upsilon

1D74B **φ** MATHEMATICAL BOLD ITALIC SMALL PHI  
 ≈ <font> 03C6 **φ** greek small letter phi

1D74C **χ** MATHEMATICAL BOLD ITALIC SMALL CHI  
 ≈ <font> 03C7 **χ** greek small letter chi

1D74D **ψ** MATHEMATICAL BOLD ITALIC SMALL PSI  
 ≈ <font> 03C8 **ψ** greek small letter psi

1D74E **ω** MATHEMATICAL BOLD ITALIC SMALL OMEGA  
 ≈ <font> 03C9 **ω** greek small letter omega

**Additional bold italic Greek symbols**

1D74F **∂** MATHEMATICAL BOLD ITALIC PARTIAL DIFFERENTIAL  
 ≈ <font> 2202 **∂** partial differential

1D750 **ε** MATHEMATICAL BOLD ITALIC EPSILON SYMBOL  
 ≈ <font> 03F5 **ε** greek lunate epsilon symbol

1D751 **ϑ** MATHEMATICAL BOLD ITALIC THETA SYMBOL  
 ≈ <font> 03D1 **ϑ** greek theta symbol

1D752 **κ** MATHEMATICAL BOLD ITALIC KAPPA SYMBOL  
 ≈ <font> 03F0 **κ** greek kappa symbol

1D753 **φ** MATHEMATICAL BOLD ITALIC PHI SYMBOL  
 ≈ <font> 03D5 **φ** greek phi symbol

1D754 **ρ** MATHEMATICAL BOLD ITALIC RHO SYMBOL  
 ≈ <font> 03F1 **ρ** greek rho symbol

1D755 **π** MATHEMATICAL BOLD ITALIC PI SYMBOL  
 ≈ <font> 03D6 **π** greek pi symbol

**Sans-serif bold Greek symbols**

1D756 **Α** MATHEMATICAL SANS-SERIF BOLD CAPITAL ALPHA  
 ≈ <font> 0391 **Α** greek capital letter alpha

1D757 **Β** MATHEMATICAL SANS-SERIF BOLD CAPITAL BETA  
 ≈ <font> 0392 **Β** greek capital letter beta

1D758 **Γ** MATHEMATICAL SANS-SERIF BOLD CAPITAL GAMMA  
 ≈ <font> 0393 **Γ** greek capital letter gamma

1D759 **Δ** MATHEMATICAL SANS-SERIF BOLD CAPITAL DELTA  
 ≈ <font> 0394 **Δ** greek capital letter delta

1D75A **Ε** MATHEMATICAL SANS-SERIF BOLD CAPITAL EPSILON  
 ≈ <font> 0395 **Ε** greek capital letter epsilon

1D75B **Ζ** MATHEMATICAL SANS-SERIF BOLD CAPITAL ZETA  
 ≈ <font> 0396 **Ζ** greek capital letter zeta

1D75C	<b>H</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL ETA ≈ <font> 0397 <b>H</b> greek capital letter eta	1D772	<b>Υ</b> MATHEMATICAL SANS-SERIF BOLD SMALL GAMMA ≈ <font> 03B3 <b>γ</b> greek small letter gamma
1D75D	<b>Θ</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL THETA ≈ <font> 0398 <b>Θ</b> greek capital letter theta	1D773	<b>δ</b> MATHEMATICAL SANS-SERIF BOLD SMALL DELTA ≈ <font> 03B4 <b>δ</b> greek small letter delta
1D75E	<b>I</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL IOTA ≈ <font> 0399 <b>I</b> greek capital letter iota	1D774	<b>ε</b> MATHEMATICAL SANS-SERIF BOLD SMALL EPSILON ≈ <font> 03B5 <b>ε</b> greek small letter epsilon
1D75F	<b>K</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL KAPPA ≈ <font> 039A <b>K</b> greek capital letter kappa	1D775	<b>ζ</b> MATHEMATICAL SANS-SERIF BOLD SMALL ZETA ≈ <font> 03B6 <b>ζ</b> greek small letter zeta
1D760	<b>Λ</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL LAMDA ≈ <font> 039B <b>Λ</b> greek capital letter lamda	1D776	<b>η</b> MATHEMATICAL SANS-SERIF BOLD SMALL ETA ≈ <font> 03B7 <b>η</b> greek small letter eta
1D761	<b>M</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL MU ≈ <font> 039C <b>M</b> greek capital letter mu	1D777	<b>θ</b> MATHEMATICAL SANS-SERIF BOLD SMALL THETA ≈ <font> 03B8 <b>θ</b> greek small letter theta
1D762	<b>N</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL NU ≈ <font> 039D <b>N</b> greek capital letter nu	1D778	<b>ι</b> MATHEMATICAL SANS-SERIF BOLD SMALL IOTA ≈ <font> 03B9 <b>ι</b> greek small letter iota
1D763	<b>Ξ</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL XI ≈ <font> 039E <b>Ξ</b> greek capital letter xi	1D779	<b>κ</b> MATHEMATICAL SANS-SERIF BOLD SMALL KAPPA ≈ <font> 03BA <b>κ</b> greek small letter kappa
1D764	<b>O</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL OMICRON ≈ <font> 039F <b>O</b> greek capital letter omicron	1D77A	<b>λ</b> MATHEMATICAL SANS-SERIF BOLD SMALL LAMDA ≈ <font> 03BB <b>λ</b> greek small letter lamda
1D765	<b>Π</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL PI ≈ <font> 03A0 <b>Π</b> greek capital letter pi	1D77B	<b>μ</b> MATHEMATICAL SANS-SERIF BOLD SMALL MU ≈ <font> 03BC <b>μ</b> greek small letter mu
1D766	<b>P</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL RHO ≈ <font> 03A1 <b>P</b> greek capital letter rho	1D77C	<b>ν</b> MATHEMATICAL SANS-SERIF BOLD SMALL NU ≈ <font> 03BD <b>ν</b> greek small letter nu
1D767	<b>Θ</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL THETA SYMBOL ≈ <font> 03F4 <b>Θ</b> greek capital theta symbol	1D77D	<b>ξ</b> MATHEMATICAL SANS-SERIF BOLD SMALL XI ≈ <font> 03BE <b>ξ</b> greek small letter xi
1D768	<b>Σ</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL SIGMA ≈ <font> 03A3 <b>Σ</b> greek capital letter sigma	1D77E	<b>ο</b> MATHEMATICAL SANS-SERIF BOLD SMALL OMICRON ≈ <font> 03BF <b>ο</b> greek small letter omicron
1D769	<b>T</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL TAU ≈ <font> 03A4 <b>T</b> greek capital letter tau	1D77F	<b>π</b> MATHEMATICAL SANS-SERIF BOLD SMALL PI ≈ <font> 03C0 <b>π</b> greek small letter pi
1D76A	<b>Υ</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL UPSILON ≈ <font> 03A5 <b>Υ</b> greek capital letter upsilon	1D780	<b>ρ</b> MATHEMATICAL SANS-SERIF BOLD SMALL RHO ≈ <font> 03C1 <b>ρ</b> greek small letter rho
1D76B	<b>Φ</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL PHI ≈ <font> 03A6 <b>Φ</b> greek capital letter phi	1D781	<b>ς</b> MATHEMATICAL SANS-SERIF BOLD SMALL FINAL SIGMA ≈ <font> 03C2 <b>ς</b> greek small letter final sigma
1D76C	<b>X</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL CHI ≈ <font> 03A7 <b>X</b> greek capital letter chi	1D782	<b>σ</b> MATHEMATICAL SANS-SERIF BOLD SMALL SIGMA ≈ <font> 03C3 <b>σ</b> greek small letter sigma
1D76D	<b>Ψ</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL PSI ≈ <font> 03A8 <b>Ψ</b> greek capital letter psi	1D783	<b>τ</b> MATHEMATICAL SANS-SERIF BOLD SMALL TAU ≈ <font> 03C4 <b>τ</b> greek small letter tau
1D76E	<b>Ω</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL OMEGA ≈ <font> 03A9 <b>Ω</b> greek capital letter omega	1D784	<b>υ</b> MATHEMATICAL SANS-SERIF BOLD SMALL UPSILON ≈ <font> 03C5 <b>υ</b> greek small letter upsilon
1D76F	<b>∇</b> MATHEMATICAL SANS-SERIF BOLD NABLA ≈ <font> 2207 <b>∇</b> nabra	1D785	<b>φ</b> MATHEMATICAL SANS-SERIF BOLD SMALL PHI ≈ <font> 03C6 <b>φ</b> greek small letter phi
1D770	<b>α</b> MATHEMATICAL SANS-SERIF BOLD SMALL ALPHA ≈ <font> 03B1 <b>α</b> greek small letter alpha	1D786	<b>χ</b> MATHEMATICAL SANS-SERIF BOLD SMALL CHI ≈ <font> 03C7 <b>χ</b> greek small letter chi
1D771	<b>β</b> MATHEMATICAL SANS-SERIF BOLD SMALL BETA ≈ <font> 03B2 <b>β</b> greek small letter beta	1D787	<b>ψ</b> MATHEMATICAL SANS-SERIF BOLD SMALL PSI ≈ <font> 03C8 <b>ψ</b> greek small letter psi
		1D788	<b>ω</b> MATHEMATICAL SANS-SERIF BOLD SMALL OMEGA ≈ <font> 03C9 <b>ω</b> greek small letter omega

**Additional sans-serif bold Greek symbols**

1D789	<b>∂</b>	MATHEMATICAL SANS-SERIF BOLD PARTIAL DIFFERENTIAL ≈ <font> 2202 ∂ partial differential	1D79E	<b>Ο</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL OMICRON ≈ <font> 039F Ο greek capital letter omicron
1D78A	<b>ϵ</b>	MATHEMATICAL SANS-SERIF BOLD EPSILON SYMBOL ≈ <font> 03F5 ϵ greek lunate epsilon symbol	1D79F	<b>Π</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL PI ≈ <font> 03A0 Π greek capital letter pi
1D78B	<b>Θ</b>	MATHEMATICAL SANS-SERIF BOLD THETA SYMBOL ≈ <font> 03D1 Θ greek theta symbol	1D7A0	<b>Ρ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL RHO ≈ <font> 03A1 Ρ greek capital letter rho
1D78C	<b>κ</b>	MATHEMATICAL SANS-SERIF BOLD KAPPA SYMBOL ≈ <font> 03F0 κ greek kappa symbol	1D7A1	<b>Θ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL THETA SYMBOL ≈ <font> 03F4 Θ greek capital theta symbol
1D78D	<b>φ</b>	MATHEMATICAL SANS-SERIF BOLD PHI SYMBOL ≈ <font> 03D5 φ greek phi symbol	1D7A2	<b>Σ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL SIGMA ≈ <font> 03A3 Σ greek capital letter sigma
1D78E	<b>ρ</b>	MATHEMATICAL SANS-SERIF BOLD RHO SYMBOL ≈ <font> 03F1 ρ greek rho symbol	1D7A3	<b>Τ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL TAU ≈ <font> 03A4 Τ greek capital letter tau
1D78F	<b>π</b>	MATHEMATICAL SANS-SERIF BOLD PI SYMBOL ≈ <font> 03D6 π greek pi symbol	1D7A4	<b>Υ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL UPSILON ≈ <font> 03A5 Υ greek capital letter upsilon
			1D7A5	<b>Φ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL PHI ≈ <font> 03A6 Φ greek capital letter phi
			1D7A6	<b>Χ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL CHI ≈ <font> 03A7 Χ greek capital letter chi
			1D7A7	<b>Ψ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL PSI ≈ <font> 03A8 Ψ greek capital letter psi
			1D7A8	<b>Ω</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL OMEGA ≈ <font> 03A9 Ω greek capital letter omega
			1D7A9	<b>∇</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC NABLA ≈ <font> 2207 ∇ nabla
			1D7AA	<b>α</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL ALPHA ≈ <font> 03B1 α greek small letter alpha
			1D7AB	<b>β</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL BETA ≈ <font> 03B2 β greek small letter beta
			1D7AC	<b>γ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL GAMMA ≈ <font> 03B3 γ greek small letter gamma
			1D7AD	<b>δ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL DELTA ≈ <font> 03B4 δ greek small letter delta
			1D7AE	<b>ε</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL EPSILON ≈ <font> 03B5 ε greek small letter epsilon
			1D7AF	<b>ζ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL ZETA ≈ <font> 03B6 ζ greek small letter zeta
			1D7B0	<b>η</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL ETA ≈ <font> 03B7 η greek small letter eta
			1D7B1	<b>θ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL THETA ≈ <font> 03B8 θ greek small letter theta
			1D7B2	<b>ι</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL IOTA ≈ <font> 03B9 ι greek small letter iota

**Sans-serif bold italic Greek symbols**

1D790	<b>Α</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL ALPHA ≈ <font> 0391 Α greek capital letter alpha
1D791	<b>Β</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL BETA ≈ <font> 0392 Β greek capital letter beta
1D792	<b>Γ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL GAMMA ≈ <font> 0393 Γ greek capital letter gamma
1D793	<b>Δ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL DELTA ≈ <font> 0394 Δ greek capital letter delta
1D794	<b>Ε</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL EPSILON ≈ <font> 0395 Ε greek capital letter epsilon
1D795	<b>Ζ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL ZETA ≈ <font> 0396 Ζ greek capital letter zeta
1D796	<b>Η</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL ETA ≈ <font> 0397 Η greek capital letter eta
1D797	<b>Θ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL THETA ≈ <font> 0398 Θ greek capital letter theta
1D798	<b>Ι</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL IOTA ≈ <font> 0399 Ι greek capital letter iota
1D799	<b>Κ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL KAPPA ≈ <font> 039A Κ greek capital letter kappa
1D79A	<b>Λ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL LAMDA ≈ <font> 039B Λ greek capital letter lamda
1D79B	<b>Μ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL MU ≈ <font> 039C Μ greek capital letter mu
1D79C	<b>Ν</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL NU ≈ <font> 039D Ν greek capital letter nu
1D79D	<b>Ξ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL XI ≈ <font> 039E Ξ greek capital letter xi

1D7B3	<b>κ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL KAPPA ≈ <font> 03BA κ greek small letter kappa
1D7B4	<b>λ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL LAMDA ≈ <font> 03BB λ greek small letter lamda
1D7B5	<b>μ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL MU ≈ <font> 03BC μ greek small letter mu
1D7B6	<b>ν</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL NU ≈ <font> 03BD ν greek small letter nu
1D7B7	<b>ξ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL XI ≈ <font> 03BE ξ greek small letter xi
1D7B8	<b>ο</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL OMICRON ≈ <font> 03BF ο greek small letter omicron
1D7B9	<b>π</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL PI ≈ <font> 03C0 π greek small letter pi
1D7BA	<b>ρ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL RHO ≈ <font> 03C1 ρ greek small letter rho
1D7BB	<b>ς</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL FINAL SIGMA ≈ <font> 03C2 ς greek small letter final sigma
1D7BC	<b>σ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL SIGMA ≈ <font> 03C3 σ greek small letter sigma
1D7BD	<b>τ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL TAU ≈ <font> 03C4 τ greek small letter tau
1D7BE	<b>υ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL UPSILON ≈ <font> 03C5 υ greek small letter upsilon
1D7BF	<b>φ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL PHI ≈ <font> 03C6 φ greek small letter phi
1D7C0	<b>χ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL CHI ≈ <font> 03C7 χ greek small letter chi
1D7C1	<b>ψ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL PSI ≈ <font> 03C8 ψ greek small letter psi
1D7C2	<b>ω</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL OMEGA ≈ <font> 03C9 ω greek small letter omega
<b>Additional sans-serif bold italic Greek symbols</b>		
1D7C3	<b>∂</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC PARTIAL DIFFERENTIAL ≈ <font> 2202 ∂ partial differential
1D7C4	<b>ε</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC EPSILON SYMBOL ≈ <font> 03F5 ε greek lunate epsilon symbol
1D7C5	<b>θ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC THETA SYMBOL ≈ <font> 03D1 θ greek theta symbol
1D7C6	<b>κ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC KAPPA SYMBOL ≈ <font> 03F0 κ greek kappa symbol
1D7C7	<b>φ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC PHI SYMBOL ≈ <font> 03D5 φ greek phi symbol

1D7C8	<b>ρ</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC RHO SYMBOL ≈ <font> 03F1 ρ greek rho symbol
1D7C9	<b>π</b>	MATHEMATICAL SANS-SERIF BOLD ITALIC PI SYMBOL ≈ <font> 03D6 π greek pi symbol

**Additional bold Greek symbols**

1D7CA	<b>Γ</b>	MATHEMATICAL BOLD CAPITAL DIGAMMA ≈ <font> 03DC Γ greek letter digamma
1D7CB	<b>Ϝ</b>	MATHEMATICAL BOLD SMALL DIGAMMA ≈ <font> 03DD Ϝ greek small letter digamma

**Bold digits**

1D7CE	<b>0</b>	MATHEMATICAL BOLD DIGIT ZERO ≈ <font> 0030 0 digit zero
1D7CF	<b>1</b>	MATHEMATICAL BOLD DIGIT ONE ≈ <font> 0031 1 digit one
1D7D0	<b>2</b>	MATHEMATICAL BOLD DIGIT TWO ≈ <font> 0032 2 digit two
1D7D1	<b>3</b>	MATHEMATICAL BOLD DIGIT THREE ≈ <font> 0033 3 digit three
1D7D2	<b>4</b>	MATHEMATICAL BOLD DIGIT FOUR ≈ <font> 0034 4 digit four
1D7D3	<b>5</b>	MATHEMATICAL BOLD DIGIT FIVE ≈ <font> 0035 5 digit five
1D7D4	<b>6</b>	MATHEMATICAL BOLD DIGIT SIX ≈ <font> 0036 6 digit six
1D7D5	<b>7</b>	MATHEMATICAL BOLD DIGIT SEVEN ≈ <font> 0037 7 digit seven
1D7D6	<b>8</b>	MATHEMATICAL BOLD DIGIT EIGHT ≈ <font> 0038 8 digit eight
1D7D7	<b>9</b>	MATHEMATICAL BOLD DIGIT NINE ≈ <font> 0039 9 digit nine

**Double-struck digits**

1D7D8	<b>⓪</b>	MATHEMATICAL DOUBLE-STRUCK DIGIT ZERO ≈ <font> 0030 0 digit zero
1D7D9	<b>①</b>	MATHEMATICAL DOUBLE-STRUCK DIGIT ONE ≈ <font> 0031 1 digit one
1D7DA	<b>②</b>	MATHEMATICAL DOUBLE-STRUCK DIGIT TWO ≈ <font> 0032 2 digit two
1D7DB	<b>③</b>	MATHEMATICAL DOUBLE-STRUCK DIGIT THREE ≈ <font> 0033 3 digit three
1D7DC	<b>④</b>	MATHEMATICAL DOUBLE-STRUCK DIGIT FOUR ≈ <font> 0034 4 digit four
1D7DD	<b>⑤</b>	MATHEMATICAL DOUBLE-STRUCK DIGIT FIVE ≈ <font> 0035 5 digit five
1D7DE	<b>⑥</b>	MATHEMATICAL DOUBLE-STRUCK DIGIT SIX ≈ <font> 0036 6 digit six
1D7DF	<b>⑦</b>	MATHEMATICAL DOUBLE-STRUCK DIGIT SEVEN ≈ <font> 0037 7 digit seven
1D7E0	<b>⑧</b>	MATHEMATICAL DOUBLE-STRUCK DIGIT EIGHT ≈ <font> 0038 8 digit eight
1D7E1	<b>⑨</b>	MATHEMATICAL DOUBLE-STRUCK DIGIT NINE ≈ <font> 0039 9 digit nine

**Sans-serif digits**

1D7E2	<b>0</b>	MATHEMATICAL SANS-SERIF DIGIT ZERO ≈ <font> 0030 0 digit zero
1D7E3	<b>1</b>	MATHEMATICAL SANS-SERIF DIGIT ONE ≈ <font> 0031 1 digit one

- 1D7E4 2 MATHEMATICAL SANS-SERIF DIGIT TWO  
 ≈ <font> 0032 2 digit two
- 1D7E5 3 MATHEMATICAL SANS-SERIF DIGIT THREE  
 ≈ <font> 0033 3 digit three
- 1D7E6 4 MATHEMATICAL SANS-SERIF DIGIT FOUR  
 ≈ <font> 0034 4 digit four
- 1D7E7 5 MATHEMATICAL SANS-SERIF DIGIT FIVE  
 ≈ <font> 0035 5 digit five
- 1D7E8 6 MATHEMATICAL SANS-SERIF DIGIT SIX  
 ≈ <font> 0036 6 digit six
- 1D7E9 7 MATHEMATICAL SANS-SERIF DIGIT SEVEN  
 ≈ <font> 0037 7 digit seven
- 1D7EA 8 MATHEMATICAL SANS-SERIF DIGIT EIGHT  
 ≈ <font> 0038 8 digit eight
- 1D7EB 9 MATHEMATICAL SANS-SERIF DIGIT NINE  
 ≈ <font> 0039 9 digit nine

**Sans-serif bold digits**





- 1D7EC 0 MATHEMATICAL SANS-SERIF BOLD DIGIT ZERO  
 ≈ <font> 0030 0 digit zero
- 1D7ED 1 MATHEMATICAL SANS-SERIF BOLD DIGIT ONE  
 ≈ <font> 0031 1 digit one
- 1D7EE 2 MATHEMATICAL SANS-SERIF BOLD DIGIT TWO  
 ≈ <font> 0032 2 digit two
- 1D7EF 3 MATHEMATICAL SANS-SERIF BOLD DIGIT THREE  
 ≈ <font> 0033 3 digit three
- 1D7F0 4 MATHEMATICAL SANS-SERIF BOLD DIGIT FOUR  
 ≈ <font> 0034 4 digit four
- 1D7F1 5 MATHEMATICAL SANS-SERIF BOLD DIGIT FIVE  
 ≈ <font> 0035 5 digit five
- 1D7F2 6 MATHEMATICAL SANS-SERIF BOLD DIGIT SIX  
 ≈ <font> 0036 6 digit six
- 1D7F3 7 MATHEMATICAL SANS-SERIF BOLD DIGIT SEVEN  
 ≈ <font> 0037 7 digit seven
- 1D7F4 8 MATHEMATICAL SANS-SERIF BOLD DIGIT EIGHT  
 ≈ <font> 0038 8 digit eight
- 1D7F5 9 MATHEMATICAL SANS-SERIF BOLD DIGIT NINE  
 ≈ <font> 0039 9 digit nine

**Monospace digits**

- 1D7F6 0 MATHEMATICAL MONOSPACE DIGIT ZERO  
 ≈ <font> 0030 0 digit zero
- 1D7F7 1 MATHEMATICAL MONOSPACE DIGIT ONE  
 ≈ <font> 0031 1 digit one
- 1D7F8 2 MATHEMATICAL MONOSPACE DIGIT TWO  
 ≈ <font> 0032 2 digit two
- 1D7F9 3 MATHEMATICAL MONOSPACE DIGIT THREE  
 ≈ <font> 0033 3 digit three
- 1D7FA 4 MATHEMATICAL MONOSPACE DIGIT FOUR  
 ≈ <font> 0034 4 digit four
- 1D7FB 5 MATHEMATICAL MONOSPACE DIGIT FIVE  
 ≈ <font> 0035 5 digit five
- 1D7FC 6 MATHEMATICAL MONOSPACE DIGIT SIX  
 ≈ <font> 0036 6 digit six
- 1D7FD 7 MATHEMATICAL MONOSPACE DIGIT SEVEN  
 ≈ <font> 0037 7 digit seven
- 1D7FE 8 MATHEMATICAL MONOSPACE DIGIT EIGHT  
 ≈ <font> 0038 8 digit eight
- 1D7FF 9 MATHEMATICAL MONOSPACE DIGIT NINE  
 ≈ <font> 0039 9 digit nine

	1F00	1F01	1F02
0	1F000	1F010	1F020
1	1F001	1F011	1F021
2	1F002	1F012	1F022
3	1F003	1F013	1F023
4	1F004	1F014	1F024
5	1F005	1F015	1F025
6	1F006	1F016	1F026
7	1F007	1F017	1F027
8	1F008	1F018	1F028
9	1F009	1F019	1F029
A	1F00A	1F01A	1F02A
B	1F00B	1F01B	1F02B
C	1F00C	1F01C	1F02C
D	1F00D	1F01D	1F02D
E	1F00E	1F01E	1F02E
F	1F00F	1F01F	1F02F










**Prevailing wind tiles**

- 1F000  MAHJONG TILE EAST WIND  
 1F001  MAHJONG TILE SOUTH WIND  
 1F002  MAHJONG TILE WEST WIND  
 1F003  MAHJONG TILE NORTH WIND










**Dragon tiles**

- 1F004  MAHJONG TILE RED DRAGON  
 = hongzhong  
 1F005  MAHJONG TILE GREEN DRAGON  
 = qingfa  
 1F006  MAHJONG TILE WHITE DRAGON  
 = baiban










**Character suit tiles**

- 1F007  MAHJONG TILE ONE OF CHARACTERS  
 = wan  
 1F008  MAHJONG TILE TWO OF CHARACTERS  
 1F009  MAHJONG TILE THREE OF CHARACTERS  
 1F00A  MAHJONG TILE FOUR OF CHARACTERS  
 1F00B  MAHJONG TILE FIVE OF CHARACTERS  
 1F00C  MAHJONG TILE SIX OF CHARACTERS  
 1F00D  MAHJONG TILE SEVEN OF CHARACTERS  
 1F00E  MAHJONG TILE EIGHT OF CHARACTERS  
 1F00F  MAHJONG TILE NINE OF CHARACTERS





**Bamboo suit tiles**

- 1F010  MAHJONG TILE ONE OF BAMBOOS  
 = tiao  
 1F011  MAHJONG TILE TWO OF BAMBOOS  
 1F012  MAHJONG TILE THREE OF BAMBOOS  
 1F013  MAHJONG TILE FOUR OF BAMBOOS  
 1F014  MAHJONG TILE FIVE OF BAMBOOS  
 1F015  MAHJONG TILE SIX OF BAMBOOS  
 1F016  MAHJONG TILE SEVEN OF BAMBOOS  
 1F017  MAHJONG TILE EIGHT OF BAMBOOS  
 1F018  MAHJONG TILE NINE OF BAMBOOS





**Circle suit tiles**

- 1F019  MAHJONG TILE ONE OF CIRCLES  
 = bing  
 1F01A  MAHJONG TILE TWO OF CIRCLES  
 1F01B  MAHJONG TILE THREE OF CIRCLES  
 1F01C  MAHJONG TILE FOUR OF CIRCLES  
 1F01D  MAHJONG TILE FIVE OF CIRCLES  
 1F01E  MAHJONG TILE SIX OF CIRCLES  
 1F01F  MAHJONG TILE SEVEN OF CIRCLES  
 1F020  MAHJONG TILE EIGHT OF CIRCLES  
 1F021  MAHJONG TILE NINE OF CIRCLES

**Flower tiles**






































































































- 1F022  MAHJONG TILE PLUM  
 = mei  
 1F023  MAHJONG TILE ORCHID  
 = lan  
 1F024  MAHJONG TILE BAMBOO  
 = zhu  
 1F025  MAHJONG TILE CHRYSANTHEMUM  
 = ju

**Season tiles**

- 1F026  MAHJONG TILE SPRING  
 1F027  MAHJONG TILE SUMMER  
 1F028  MAHJONG TILE AUTUMN  
 1F029  MAHJONG TILE WINTER

**Miscellaneous tiles**

- 1F02A  MAHJONG TILE JOKER  
 = baida  
 1F02B  MAHJONG TILE BACK

	1F03	1F04	1F05	1F06	1F07	1F08	1F09
0	 1F030	 1F040	 1F050	 1F060	 1F070	 1F080	 1F090
1	 1F031	 1F041	 1F051	 1F061	 1F071	 1F081	 1F091
2	 1F032	 1F042	 1F052	 1F062	 1F072	 1F082	 1F092
3	 1F033	 1F043	 1F053	 1F063	 1F073	 1F083	 1F093
4	 1F034	 1F044	 1F054	 1F064	 1F074	 1F084	
5	 1F035	 1F045	 1F055	 1F065	 1F075	 1F085	
6	 1F036	 1F046	 1F056	 1F066	 1F076	 1F086	
7	 1F037	 1F047	 1F057	 1F067	 1F077	 1F087	
8	 1F038	 1F048	 1F058	 1F068	 1F078	 1F088	
9	 1F039	 1F049	 1F059	 1F069	 1F079	 1F089	
A	 1F03A	 1F04A	 1F05A	 1F06A	 1F07A	 1F08A	
B	 1F03B	 1F04B	 1F05B	 1F06B	 1F07B	 1F08B	
C	 1F03C	 1F04C	 1F05C	 1F06C	 1F07C	 1F08C	
D	 1F03D	 1F04D	 1F05D	 1F06D	 1F07D	 1F08D	
E	 1F03E	 1F04E	 1F05E	 1F06E	 1F07E	 1F08E	
F	 1F03F	 1F04F	 1F05F	 1F06F	 1F07F	 1F08F	



**Horizontal tiles**1F030  DOMINO TILE HORIZONTAL BACK**Zeroes**

1F031  DOMINO TILE HORIZONTAL-00-00  
 1F032  DOMINO TILE HORIZONTAL-00-01  
 1F033  DOMINO TILE HORIZONTAL-00-02  
 1F034  DOMINO TILE HORIZONTAL-00-03  
 1F035  DOMINO TILE HORIZONTAL-00-04  
 1F036  DOMINO TILE HORIZONTAL-00-05  
 1F037  DOMINO TILE HORIZONTAL-00-06


**Ones**

1F038  DOMINO TILE HORIZONTAL-01-00  
 1F039  DOMINO TILE HORIZONTAL-01-01  
 1F03A  DOMINO TILE HORIZONTAL-01-02  
 1F03B  DOMINO TILE HORIZONTAL-01-03  
 1F03C  DOMINO TILE HORIZONTAL-01-04  
 1F03D  DOMINO TILE HORIZONTAL-01-05  
 1F03E  DOMINO TILE HORIZONTAL-01-06

**Twos**

1F03F  DOMINO TILE HORIZONTAL-02-00  
 1F040  DOMINO TILE HORIZONTAL-02-01  
 1F041  DOMINO TILE HORIZONTAL-02-02  
 1F042  DOMINO TILE HORIZONTAL-02-03  
 1F043  DOMINO TILE HORIZONTAL-02-04  
 1F044  DOMINO TILE HORIZONTAL-02-05  
 1F045  DOMINO TILE HORIZONTAL-02-06


**Threes**

1F046  DOMINO TILE HORIZONTAL-03-00  
 1F047  DOMINO TILE HORIZONTAL-03-01  
 1F048  DOMINO TILE HORIZONTAL-03-02  
 1F049  DOMINO TILE HORIZONTAL-03-03  
 1F04A  DOMINO TILE HORIZONTAL-03-04  
 1F04B  DOMINO TILE HORIZONTAL-03-05  
 1F04C  DOMINO TILE HORIZONTAL-03-06

**Fours**

1F04D  DOMINO TILE HORIZONTAL-04-00  
 1F04E  DOMINO TILE HORIZONTAL-04-01  
 1F04F  DOMINO TILE HORIZONTAL-04-02  
 1F050  DOMINO TILE HORIZONTAL-04-03  
 1F051  DOMINO TILE HORIZONTAL-04-04  
 1F052  DOMINO TILE HORIZONTAL-04-05  
 1F053  DOMINO TILE HORIZONTAL-04-06








**Fives**

1F054  DOMINO TILE HORIZONTAL-05-00  
 1F055  DOMINO TILE HORIZONTAL-05-01  
 1F056  DOMINO TILE HORIZONTAL-05-02  
 1F057  DOMINO TILE HORIZONTAL-05-03  
 1F058  DOMINO TILE HORIZONTAL-05-04  
 1F059  DOMINO TILE HORIZONTAL-05-05  
 1F05A  DOMINO TILE HORIZONTAL-05-06

**Sixes**

1F05B  DOMINO TILE HORIZONTAL-06-00  
 1F05C  DOMINO TILE HORIZONTAL-06-01  
 1F05D  DOMINO TILE HORIZONTAL-06-02  
 1F05E  DOMINO TILE HORIZONTAL-06-03  
 1F05F  DOMINO TILE HORIZONTAL-06-04  
 1F060  DOMINO TILE HORIZONTAL-06-05  
 1F061  DOMINO TILE HORIZONTAL-06-06

**Vertical tiles**1F062  DOMINO TILE VERTICAL BACK**Zeroes**

1F063  DOMINO TILE VERTICAL-00-00  
 1F064  DOMINO TILE VERTICAL-00-01  
 1F065  DOMINO TILE VERTICAL-00-02  
 1F066  DOMINO TILE VERTICAL-00-03  
 1F067  DOMINO TILE VERTICAL-00-04  
 1F068  DOMINO TILE VERTICAL-00-05  
 1F069  DOMINO TILE VERTICAL-00-06







**Ones**

1F06A  DOMINO TILE VERTICAL-01-00  
 1F06B  DOMINO TILE VERTICAL-01-01  
 1F06C  DOMINO TILE VERTICAL-01-02  
 1F06D  DOMINO TILE VERTICAL-01-03  
 1F06E  DOMINO TILE VERTICAL-01-04  
 1F06F  DOMINO TILE VERTICAL-01-05  
 1F070  DOMINO TILE VERTICAL-01-06

**Twos**

1F071  DOMINO TILE VERTICAL-02-00  
 1F072  DOMINO TILE VERTICAL-02-01  
 1F073  DOMINO TILE VERTICAL-02-02  
 1F074  DOMINO TILE VERTICAL-02-03  
 1F075  DOMINO TILE VERTICAL-02-04  
 1F076  DOMINO TILE VERTICAL-02-05  
 1F077  DOMINO TILE VERTICAL-02-06

**Threes**

1F078  DOMINO TILE VERTICAL-03-00  
 1F079  DOMINO TILE VERTICAL-03-01  
 1F07A  DOMINO TILE VERTICAL-03-02  
 1F07B  DOMINO TILE VERTICAL-03-03  
 1F07C  DOMINO TILE VERTICAL-03-04  
 1F07D  DOMINO TILE VERTICAL-03-05  
 1F07E  DOMINO TILE VERTICAL-03-06

**Fours**

1F07F  DOMINO TILE VERTICAL-04-00  
 1F080  DOMINO TILE VERTICAL-04-01  
 1F081  DOMINO TILE VERTICAL-04-02  
 1F082  DOMINO TILE VERTICAL-04-03  
 1F083  DOMINO TILE VERTICAL-04-04  
 1F084  DOMINO TILE VERTICAL-04-05  
 1F085  DOMINO TILE VERTICAL-04-06

**Fives**

1F086  DOMINO TILE VERTICAL-05-00  
 1F087  DOMINO TILE VERTICAL-05-01  
 1F088  DOMINO TILE VERTICAL-05-02  
 1F089  DOMINO TILE VERTICAL-05-03  
 1F08A  DOMINO TILE VERTICAL-05-04  
 1F08B  DOMINO TILE VERTICAL-05-05  
 1F08C  DOMINO TILE VERTICAL-05-06

**Sixes**

1F08D  DOMINO TILE VERTICAL-06-00  
 1F08E  DOMINO TILE VERTICAL-06-01  
 1F08F  DOMINO TILE VERTICAL-06-02  
 1F090  DOMINO TILE VERTICAL-06-03  
 1F091  DOMINO TILE VERTICAL-06-04  
 1F092  DOMINO TILE VERTICAL-06-05  
 1F093  DOMINO TILE VERTICAL-06-06

	1F10	1F11	1F12	1F13	1F14	1F15	1F16	1F17	1F18	1F19	1F1A	1F1B	1F1C	1F1D	1F1E	1F1F
0	<b>0</b> 1F100	<b>(A)</b> 1F110	<b>(Q)</b> 1F120							<b>DJ</b> 1F190						
1	<b>0,</b> 1F101	<b>(B)</b> 1F111	<b>(R)</b> 1F121	<b>B</b> 1F131												
2	<b>1,</b> 1F102	<b>(C)</b> 1F112	<b>(S)</b> 1F122	<b>S</b> 1F142												
3	<b>2,</b> 1F103	<b>(D)</b> 1F113	<b>(T)</b> 1F123													
4	<b>3,</b> 1F104	<b>(E)</b> 1F114	<b>(U)</b> 1F124													
5	<b>4,</b> 1F105	<b>(F)</b> 1F115	<b>(V)</b> 1F125													
6	<b>5,</b> 1F106	<b>(G)</b> 1F116	<b>(W)</b> 1F126	<b>W</b> 1F146												
7	<b>6,</b> 1F107	<b>(H)</b> 1F117	<b>(X)</b> 1F127		<b>H</b> 1F157											
8	<b>7,</b> 1F108	<b>(I)</b> 1F118	<b>(Y)</b> 1F128													
9	<b>8,</b> 1F109	<b>(J)</b> 1F119	<b>(Z)</b> 1F129					<b>J</b> 1F179								
A	<b>9,</b> 1F10A	<b>(K)</b> 1F11A	<b>(S)</b> 1F12A	<b>HV</b> 1F14A					<b>R</b> 1F18A							
B		<b>(L)</b> 1F11B	<b>(C)</b> 1F12B	<b>MV</b> 1F14B				<b>L</b> 1F17B	<b>IC</b> 1F18B							
C		<b>(M)</b> 1F11C	<b>(R)</b> 1F12C	<b>SD</b> 1F14C				<b>M</b> 1F17C	<b>PA</b> 1F18C							
D		<b>(N)</b> 1F11D	<b>(CD)</b> 1F12D	<b>N</b> 1F13D	<b>SS</b> 1F14D				<b>SA</b> 1F18D							
E		<b>(O)</b> 1F11E	<b>(Wz)</b> 1F12E		<b>PPV</b> 1F14E											
F		<b>(P)</b> 1F11F		<b>P</b> 1F13F		<b>P</b> 1F15F		<b>P</b> 1F17F								

**Number with full stop**

*This symbol completes the set of numbers with full stop starting at U+2488.*

1F100 **0**, DIGIT ZERO FULL STOP  
≈ 0030 **0** 002E .

**Numbers with comma**

1F101 **0**, DIGIT ZERO COMMA  
≈ 0030 **0** 002C ,

1F102 **1**, DIGIT ONE COMMA  
≈ 0031 **1** 002C ,

1F103 **2**, DIGIT TWO COMMA  
≈ 0032 **2** 002C ,

1F104 **3**, DIGIT THREE COMMA  
≈ 0033 **3** 002C ,

1F105 **4**, DIGIT FOUR COMMA  
≈ 0034 **4** 002C ,

1F106 **5**, DIGIT FIVE COMMA  
≈ 0035 **5** 002C ,

1F107 **6**, DIGIT SIX COMMA  
≈ 0036 **6** 002C ,

1F108 **7**, DIGIT SEVEN COMMA  
≈ 0037 **7** 002C ,

1F109 **8**, DIGIT EIGHT COMMA  
≈ 0038 **8** 002C ,

1F10A **9**, DIGIT NINE COMMA  
≈ 0039 **9** 002C ,

**Parenthesized Latin letters**

*This set provides uppercase versions of the set starting at U+249C.*

1F110 **(A)** PARENTHESIZED LATIN CAPITAL LETTER A  
≈ 0028 ( 0041 **A** 0029 )

1F111 **(B)** PARENTHESIZED LATIN CAPITAL LETTER B  
≈ 0028 ( 0042 **B** 0029 )

1F112 **(C)** PARENTHESIZED LATIN CAPITAL LETTER C  
≈ 0028 ( 0043 **C** 0029 )

1F113 **(D)** PARENTHESIZED LATIN CAPITAL LETTER D  
≈ 0028 ( 0044 **D** 0029 )

1F114 **(E)** PARENTHESIZED LATIN CAPITAL LETTER E  
≈ 0028 ( 0045 **E** 0029 )

1F115 **(F)** PARENTHESIZED LATIN CAPITAL LETTER F  
≈ 0028 ( 0046 **F** 0029 )

1F116 **(G)** PARENTHESIZED LATIN CAPITAL LETTER G  
≈ 0028 ( 0047 **G** 0029 )

1F117 **(H)** PARENTHESIZED LATIN CAPITAL LETTER H  
≈ 0028 ( 0048 **H** 0029 )

1F118 **(I)** PARENTHESIZED LATIN CAPITAL LETTER I  
≈ 0028 ( 0049 **I** 0029 )

1F119 **(J)** PARENTHESIZED LATIN CAPITAL LETTER J  
≈ 0028 ( 004A **J** 0029 )

1F11A **(K)** PARENTHESIZED LATIN CAPITAL LETTER K  
≈ 0028 ( 004B **K** 0029 )

1F11B **(L)** PARENTHESIZED LATIN CAPITAL LETTER L  
≈ 0028 ( 004C **L** 0029 )

1F11C **(M)** PARENTHESIZED LATIN CAPITAL LETTER M  
≈ 0028 ( 004D **M** 0029 )

1F11D **(N)** PARENTHESIZED LATIN CAPITAL LETTER N  
≈ 0028 ( 004E **N** 0029 )

1F11E **(O)** PARENTHESIZED LATIN CAPITAL LETTER O  
≈ 0028 ( 004F **O** 0029 )

1F11F **(P)** PARENTHESIZED LATIN CAPITAL LETTER P  
≈ 0028 ( 0050 **P** 0029 )

1F120 **(Q)** PARENTHESIZED LATIN CAPITAL LETTER Q  
≈ 0028 ( 0051 **Q** 0029 )

1F121 **(R)** PARENTHESIZED LATIN CAPITAL LETTER R  
≈ 0028 ( 0052 **R** 0029 )

1F122 **(S)** PARENTHESIZED LATIN CAPITAL LETTER S  
≈ 0028 ( 0053 **S** 0029 )

1F123 **(T)** PARENTHESIZED LATIN CAPITAL LETTER T  
≈ 0028 ( 0054 **T** 0029 )

1F124 **(U)** PARENTHESIZED LATIN CAPITAL LETTER U  
≈ 0028 ( 0055 **U** 0029 )

1F125 **(V)** PARENTHESIZED LATIN CAPITAL LETTER V  
≈ 0028 ( 0056 **V** 0029 )

1F126 **(W)** PARENTHESIZED LATIN CAPITAL LETTER W  
≈ 0028 ( 0057 **W** 0029 )

1F127 **(X)** PARENTHESIZED LATIN CAPITAL LETTER X  
≈ 0028 ( 0058 **X** 0029 )

1F128 **(Y)** PARENTHESIZED LATIN CAPITAL LETTER Y  
≈ 0028 ( 0059 **Y** 0029 )

1F129 **(Z)** PARENTHESIZED LATIN CAPITAL LETTER Z  
≈ 0028 ( 005A **Z** 0029 )

**Latin letter with tortoise shell brackets**

1F12A **[S]** TORTOISE SHELL BRACKETED LATIN CAPITAL LETTER S  
• used in baseball scoring  
≈ 3014 ( 0053 **S** 3015 )

**Circled italic Latin letters**

1F12B **©** CIRCLED ITALIC LATIN CAPITAL LETTER C  
= compact disc, single disc record  
≈ <circle> 0043 **C**

1F12C **®** CIRCLED ITALIC LATIN CAPITAL LETTER R  
= disc record  
≈ <circle> 0052 **R**

**Circled Latin letter sequences**

1F12D **Ⓒ** CIRCLED CD  
→ 33C5 cd square cd  
≈ <circle> 0043 **C** 0044 **D**

1F12E **Ⓦ** CIRCLED WZ  
• from the German term “Warenzeichen”  
• indicate a trademarked term without making a legal claim of trademark status  
→ 2122 <sup>TM</sup> trade mark sign  
≈ <circle> 0057 **W** 005A **Z**

**Squared Latin letters**

1F131 **ⓑ** SQUARED LATIN CAPITAL LETTER B  
= bank  
= b-mode stereo compression broadcasting service (ARIB STD B24)  
≈ <square> 0042 **B**

1F132 **Ⓢ** <reserved>

1F133 **Ⓣ** <reserved>

1F134 **Ⓤ** <reserved>

1F135 **Ⓥ** <reserved>

1F136 **Ⓦ** <reserved>

1F137 **Ⓧ** <reserved>



















1F138 **Ⓨ** <reserved>

1F139 **Ⓩ** <reserved>










1F13A **ⓐ** <reserved>

1F13B **ⓑ** <reserved>

1F13C **ⓒ** <reserved>








- 1F13D  **SQUARED LATIN CAPITAL LETTER N**  
= news (ARIB STD B24)  
≈ <square> 004E **N**
- 1F13E  <reserved>
- 1F13F  **SQUARED LATIN CAPITAL LETTER P**  
= progressive broadcasting (ARIB STD B24)  
≈ <square> 0050 **P**
- 1F140  <reserved>
- 1F141  <reserved>
- 1F142  **SQUARED LATIN CAPITAL LETTER S**  
= stereo broadcasting service (ARIB STD B24)  
≈ <square> 0053 **S**
- 1F143  <reserved>
- 1F144  <reserved>
- 1F145  <reserved>
- 1F146  **SQUARED LATIN CAPITAL LETTER W**  
= wide-format 16:9 broadcasting service (ARIB  
STD B24)  
≈ <square> 0057 **W**
- 1F147  <reserved>
- 1F148  <reserved>
- 1F149  <reserved>
- 1F14A  **SQUARED HV**  
= hdtv  
≈ <square> 0048 **H** 0056 **V**
- 1F14B  **SQUARED MV**  
= multi-view television  
≈ <square> 004D **M** 0056 **V**
- 1F14C  **SQUARED SD**  
= sdtv  
≈ <square> 0053 **S** 0044 **D**
- 1F14D  **SQUARED SS**  
= surround stereo broadcasting service  
≈ <square> 0053 **S** 0053 **S**
- 1F14E  **SQUARED PPV**  
= pay-per-view  
≈ <square> 0050 **P** 0050 **P** 0056 **V**















**White on black circled Latin letters**

- 1F157  **NEGATIVE CIRCLED LATIN CAPITAL LETTER H**  
= hotel (ARIB STD B24)
- 1F158  <reserved>
- 1F159  <reserved>
- 1F15A  <reserved>
- 1F15B  <reserved>
- 1F15C  <reserved>
- 1F15D  <reserved>
- 1F15E  <reserved>
- 1F15F  **NEGATIVE CIRCLED LATIN CAPITAL LETTER P**  
= parking space (ARIB STD B24)

**White on black squared Latin letters**

*The square edges may be slightly rounded.*

- 1F179  **NEGATIVE SQUARED LATIN CAPITAL LETTER J**  
= junction (ARIB STD B24)
- 1F17A  <reserved>
- 1F17B  **NEGATIVE SQUARED LATIN CAPITAL LETTER L**  
= leisure center (ARIB STD B24)
- 1F17C  **NEGATIVE SQUARED LATIN CAPITAL LETTER M**  
= museum, cultural center (ARIB STD B24)
- 1F17D  <reserved>
- 1F17E  <reserved>
- 1F17F  **NEGATIVE SQUARED LATIN CAPITAL LETTER P**  
= parking space empty-full (ARIB STD B24)

- 1F180  <reserved>
- 1F181  <reserved>
- 1F182  <reserved>
- 1F183  <reserved>
- 1F184  <reserved>
- 1F185  <reserved>
- 1F186  <reserved>
- 1F187  <reserved>
- 1F188  <reserved>
- 1F189  <reserved>
- 1F18A  **CROSSED NEGATIVE SQUARED LATIN CAPITAL LETTER P**  
= parking space closed
- 1F18B  **NEGATIVE SQUARED IC**  
= interchange, ramp
- 1F18C  **NEGATIVE SQUARED PA**  
= parking area
- 1F18D  **NEGATIVE SQUARED SA**  
= service area

**Squared Latin letter sequences**

- 1F190  **SQUARE DJ**  
= disc jockey  
≈ <square> 0044 **D** 004A **J**

	1F20	1F21	1F22	1F23	1F24	1F25	1F26	1F27	1F28	1F29	1F2A	1F2B	1F2C	1F2D	1F2E	1F2F
0	ほか 1F200	手 1F210	初 1F220	走 1F230	本 1F240											
1		字 1F211	終 1F221	打 1F231	三 1F241											
2		双 1F212	生 1F222		二 1F242											
3		テ 1F213	販 1F223		安 1F243											
4		二 1F214	声 1F224		点 1F244											
5		多 1F215	吹 1F225		打 1F245											
6		解 1F216	演 1F226		盗 1F246											
7		天 1F217	投 1F227		勝 1F247											
8		交 1F218	捕 1F228		敗 1F248											
9		映 1F219	一 1F229													
A		無 1F21A	三 1F22A													
B		料 1F21B	遊 1F22B													
C		前 1F21C	左 1F22C													
D		後 1F21D	中 1F22D													
E		再 1F21E	右 1F22E													
F		新 1F21F	指 1F22F													

**Squared hiragana from ARIB STD B24**

1F200 𐄁 SQUARE HIRAGANA HOKA  
= and others  
≈ <square> 307B ほ 304B か

**Squared ideographs and kana from ARIB STD B24**

1F210 𐄂 SQUARED CJK UNIFIED IDEOGRAPH-624B  
= broadcasting service with sign language interpretation  
≈ <square> 624B 手

1F211 𐄃 SQUARED CJK UNIFIED IDEOGRAPH-5B57  
= close-captioned broadcasting  
≈ <square> 5B57 字

1F212 𐄄 SQUARED CJK UNIFIED IDEOGRAPH-53CC  
= two-way broadcasting service  
≈ <square> 53CC 双

1F213 𐄅 SQUARED KATAKANA DE  
= data broadcasting service linked with a main program  
≈ <square> 30C7 デ

1F214 𐄆 SQUARED CJK UNIFIED IDEOGRAPH-4E8C  
= bilingual broadcasting service  
= second base  
≈ <square> 4E8C 二

1F215 𐄇 SQUARED CJK UNIFIED IDEOGRAPH-591A  
= sound-multiplex broadcasting service  
≈ <square> 591A 多

1F216 𐄈 SQUARED CJK UNIFIED IDEOGRAPH-89E3  
= commentary broadcasting  
≈ <square> 89E3 解

1F217 𐄉 SQUARED CJK UNIFIED IDEOGRAPH-5929  
= weather forecast  
≈ <square> 5929 天

1F218 𐄊 SQUARED CJK UNIFIED IDEOGRAPH-4EA4  
= traffic information  
≈ <square> 4EA4 交

1F219 𐄋 SQUARED CJK UNIFIED IDEOGRAPH-6620  
= drama film  
≈ <square> 6620 映

1F21A 𐄌 SQUARED CJK UNIFIED IDEOGRAPH-7121  
= free broadcasting service  
≈ <square> 7121 無

1F21B 𐄍 SQUARED CJK UNIFIED IDEOGRAPH-6599  
= pay broadcasting service  
≈ <square> 6599 料

1F21C 𐄎 SQUARED CJK UNIFIED IDEOGRAPH-524D  
= the first part  
≈ <square> 524D 前

1F21D 𐄏 SQUARED CJK UNIFIED IDEOGRAPH-5F8C  
= the latter part  
≈ <square> 5F8C 後

1F21E 𐄐 SQUARED CJK UNIFIED IDEOGRAPH-518D  
= rebroadcast  
≈ <square> 518D 再

1F21F 𐄑 SQUARED CJK UNIFIED IDEOGRAPH-65B0  
= new series of programs  
≈ <square> 65B0 新

1F220 𐄒 SQUARED CJK UNIFIED IDEOGRAPH-521D  
= first released program  
≈ <square> 521D 初

1F221 𐄓 SQUARED CJK UNIFIED IDEOGRAPH-7D42  
= the last episode  
≈ <square> 7D42 終

1F222 𐄔 SQUARED CJK UNIFIED IDEOGRAPH-751F  
= live broadcast  
≈ <square> 751F 生

1F223 𐄕 SQUARED CJK UNIFIED IDEOGRAPH-8CA9  
= mail-order  
≈ <square> 8CA9 販

1F224 𐄖 SQUARED CJK UNIFIED IDEOGRAPH-58F0  
= voice actors  
≈ <square> 58F0 声

1F225 𐄗 SQUARED CJK UNIFIED IDEOGRAPH-5439  
= dubbed version  
≈ <square> 5439 吹

1F226 𐄘 SQUARED CJK UNIFIED IDEOGRAPH-6F14  
= performed by  
≈ <square> 6F14 演

1F227 𐄙 SQUARED CJK UNIFIED IDEOGRAPH-6295  
= pitcher  
≈ <square> 6295 投

1F228 𐄚 SQUARED CJK UNIFIED IDEOGRAPH-6355  
= catcher  
≈ <square> 6355 捕

1F229 𐄛 SQUARED CJK UNIFIED IDEOGRAPH-4E00  
= first base  
≈ <square> 4E00 一

1F22A 𐄜 SQUARED CJK UNIFIED IDEOGRAPH-4E09  
= third base  
≈ <square> 4E09 三

1F22B 𐄝 SQUARED CJK UNIFIED IDEOGRAPH-904A  
= short stop  
≈ <square> 904A 遊

1F22C 𐄞 SQUARED CJK UNIFIED IDEOGRAPH-5DE6  
= left field  
≈ <square> 5DE6 左

1F22D 𐄟 SQUARED CJK UNIFIED IDEOGRAPH-4E2D  
= center field  
≈ <square> 4E2D 中

1F22E 𐄠 SQUARED CJK UNIFIED IDEOGRAPH-53F3  
= right field  
≈ <square> 53F3 右

1F22F 𐄡 SQUARED CJK UNIFIED IDEOGRAPH-6307  
= designated hitter  
≈ <square> 6307 指

1F230 𐄢 SQUARED CJK UNIFIED IDEOGRAPH-8D70  
= runner  
≈ <square> 8D70 走

1F231 𐄣 SQUARED CJK UNIFIED IDEOGRAPH-6253  
= batter  
≈ <square> 6253 打

**Ideographs with tortoise shell brackets from ARIB STD B24**

1F240 𐄤 TORTOISE SHELL BRACKETED CJK UNIFIED IDEOGRAPH-672C  
= home run  
≈ 3014 ( 672C 本 3015 )

1F241 𐄥 TORTOISE SHELL BRACKETED CJK UNIFIED IDEOGRAPH-4E09  
= triple  
≈ 3014 ( 4E09 三 3015 )

1F242 𐄦 TORTOISE SHELL BRACKETED CJK UNIFIED IDEOGRAPH-4E8C  
= double  
≈ 3014 ( 4E8C 二 3015 )

- 1F243 〔安〕 TORTOISE SHELL BRACKETED CJK UNIFIED  
IDEOGRAPH-5B89  
= safe  
≈ 3014 ( 5B89 安 3015 )
- 1F244 〔点〕 TORTOISE SHELL BRACKETED CJK UNIFIED  
IDEOGRAPH-70B9  
= run  
≈ 3014 ( 70B9 点 3015 )
- 1F245 〔打〕 TORTOISE SHELL BRACKETED CJK UNIFIED  
IDEOGRAPH-6253  
= hit  
≈ 3014 ( 6253 打 3015 )
- 1F246 〔盗〕 TORTOISE SHELL BRACKETED CJK UNIFIED  
IDEOGRAPH-76D7  
= steal  
≈ 3014 ( 76D7 盗 3015 )
- 1F247 〔勝〕 TORTOISE SHELL BRACKETED CJK UNIFIED  
IDEOGRAPH-52DD  
= win  
≈ 3014 ( 52DD 勝 3015 )
- 1F248 〔敗〕 TORTOISE SHELL BRACKETED CJK UNIFIED  
IDEOGRAPH-6557  
= loss  
≈ 3014 ( 6557 敗 3015 )

	2F80	2F81	2F82	2F83	2F84	2F85	2F86	2F87	2F88	2F89	2F8A	2F8B
0	丽 2F800	纘 2F810	刻 2F820	卽 2F830	𠵽 2F840	切 2F850	妣 2F860	寶 2F870	嶮 2F880	卅 2F890	恂 2F8A0	懲 2F8B0
1	丸 2F801	具 2F811	剗 2F821	卿 2F831	𠵽 2F841	壯 2F851	姍 2F861	覲 2F871	巡 2F881	𠵽 2F891	慌 2F8A1	懶 2F8B1
2	𠵽 2F802	與 2F812	割 2F822	卿 2F832	唐 2F842	城 2F852	姬 2F862	寿 2F872	巢 2F882	𠵽 2F892	忒 2F8A2	成 2F8B2
3	𠵽 2F803	巔 2F813	剗 2F823	卿 2F833	啓 2F843	塹 2F853	娛 2F863	将 2F873	呂 2F883	𠵽 2F893	悔 2F8A3	戛 2F8B3
4	你 2F804	内 2F814	𠵽 2F824	𠵽 2F834	啣 2F844	塹 2F854	媿 2F864	当 2F874	巽 2F884	𠵽 2F894	悚 2F8A4	𠵽 2F8B4
5	侮 2F805	再 2F815	勇 2F825	灰 2F835	善 2F845	型 2F855	姍 2F865	尢 2F875	悅 2F885	𠵽 2F895	惇 2F8A5	抱 2F8B5
6	悅 2F806	冊 2F816	勉 2F826	及 2F836	善 2F846	聖 2F856	婦 2F866	尫 2F876	帽 2F886	帚 2F896	慈 2F8A6	拔 2F8B6
7	併 2F807	冗 2F817	勤 2F827	叟 2F837	喙 2F847	報 2F857	媿 2F867	屠 2F877	幘 2F887	籟 2F897	慌 2F8A7	拊 2F8B7
8	偕 2F808	冤 2F818	勺 2F828	𠵽 2F838	喫 2F848	墜 2F858	媿 2F868	𠵽 2F878	幘 2F888	彙 2F898	慎 2F8A8	援 2F8B8
9	備 2F809	𠵽 2F819	包 2F829	叫 2F839	渣 2F849	墜 2F859	媿 2F869	𠵽 2F879	幘 2F889	形 2F899	慌 2F8A9	挽 2F8B9
A	僧 2F80A	冬 2F81A	匆 2F82A	叱 2F83A	𠵽 2F84A	壳 2F85A	嬾 2F86A	𠵽 2F87A	庋 2F88A	彫 2F89A	樓 2F8AA	拊 2F8BA
B	像 2F80B	况 2F81B	北 2F82B	𠵽 2F83B	圖 2F84B	壺 2F85B	嬾 2F86B	𠵽 2F87B	庋 2F88B	徠 2F89B	憎 2F8AB	捨 2F8BB
C	儻 2F80C	𠵽 2F81C	卉 2F82C	𠵽 2F83C	嘆 2F84C	峯 2F85C	穹 2F86C	嶮 2F87C	庋 2F88C	徠 2F89C	憲 2F8AC	掃 2F8BC
D	充 2F80D	𠵽 2F81D	卑 2F82D	吸 2F83D	圖 2F84D	多 2F85D	冤 2F86D	卽 2F87D	庶 2F88D	忍 2F89D	憤 2F8AD	擲 2F8BD
E	免 2F80E	刃 2F81E	博 2F82E	呈 2F83E	𠵽 2F84E	夢 2F85E	寘 2F86E	嶮 2F87E	廊 2F88E	志 2F89E	憐 2F8AE	揆 2F8BE
F	免 2F80F	剗 2F81F	卽 2F82F	周 2F83F	噴 2F84F	奢 2F85F	寧 2F86F	嶮 2F87F	庋 2F88F	任 2F89F	懞 2F8AF	搯 2F8BF



	2F8C	2F8D	2F8E	2F8F	2F90	2F91	2F92	2F93	2F94	2F95	2F96
0	攀 2F8C0	盥 2F8D0	枿 2F8E0	歟 2F8F0	派 2F900	溻 2F910	鬘 2F920	瑱 2F930	直 2F940	磧 2F950	笄 2F960
1	掩 2F8C1	晁 2F8D1	柰 2F8E1	歔 2F8F1	海 2F901	溲 2F911	爵 2F921	璫 2F931	眇 2F941	礪 2F951	箒 2F961
2	挽 2F8C2	冒 2F8D2	梅 2F8E2	歃 2F8F2	流 2F902	瀆 2F912	牒 2F922	瓊 2F932	昇 2F942	袂 2F952	篆 2F962
3	摩 2F8C3	冕 2F8D3	柵 2F8E3	歲 2F8F3	浩 2F903	淪 2F913	𩚑 2F923	瓶 2F933	眈 2F943	租 2F953	築 2F963
4	擗 2F8C4	最 2F8D4	柁 2F8E4	殭 2F8F4	浸 2F904	滌 2F914	犀 2F924	豨 2F934	眾 2F944	禡 2F954	篤 2F964
5	搗 2F8C5	瞽 2F8D5	枿 2F8E5	殺 2F8F5	涅 2F905	瀛 2F915	犏 2F925	串 2F935	眞 2F945	褶 2F955	篋 2F965
6	擲 2F8C6	𦉳 2F8D6	櫛 2F8E6	殼 2F8F6	淦 2F906	瀟 2F916	狽 2F926	笛 2F936	眞 2F946	福 2F956	糝 2F966
7	擻 2F8C7	𦉴 2F8D7	櫛 2F8E7	殿 2F8F7	汧 2F907	灑 2F917	獺 2F927	𦉵 2F937	眞 2F947	秣 2F957	𦉶 2F967
8	敏 2F8C8	朗 2F8D8	楂 2F8E8	莓 2F8F8	港 2F908	災 2F918	獺 2F928	異 2F938	眈 2F948	𦉷 2F958	糝 2F968
9	敬 2F8C9	望 2F8D9	槲 2F8E9	筭 2F8F9	湮 2F909	奔 2F919	王 2F929	𦉸 2F939	𦉹 2F949	穀 2F959	糝 2F969
A	𦉺 2F8CA	𦉻 2F8DA	概 2F8EA	汎 2F8FA	漉 2F90A	炭 2F91A	玊 2F92A	𦉼 2F93A	𦉽 2F94A	概 2F95A	紀 2F96A
B	𦉿 2F8CB	杞 2F8DB	榎 2F8EB	沈 2F8FB	滋 2F90B	𦉾 2F91B	玊 2F92B	𦉿 2F93B	𦉽 2F94B	穩 2F95B	紉 2F96B
C	書 2F8CC	杓 2F8DC	榎 2F8EC	沿 2F8FC	溟 2F90C	煨 2F91C	堡 2F92C	𦉿 2F93C	𦉽 2F94C	𦉿 2F95C	紉 2F96C
D	晉 2F8CD	𦉿 2F8DD	櫛 2F8ED	泮 2F8FD	澱 2F90D	熾 2F91D	堡 2F92D	盃 2F93D	𦉽 2F94D	𦉿 2F95D	纓 2F96D
E	鳴 2F8CE	𦉿 2F8DE	櫛 2F8EE	汧 2F8FE	淹 2F90E	燧 2F91E	璫 2F92E	益 2F93E	𦉽 2F94E	𦉿 2F95E	緇 2F96E
F	暑 2F8CF	柎 2F8DF	次 2F8EF	𦉿 2F8FF	潮 2F90F	糞 2F91F	瑜 2F92F	盃 2F93F	𦉽 2F94F	𦉿 2F95F	緇 2F96F

	2F97	2F98	2F99	2F9A	2F9B	2F9C	2F9D	2F9E	2F9F	2FA0	2FA1
0	纛 2F970	冑 2F980	芋 2F990	莽 2F9A0	蘩 2F9B0	螞 2F9C0	諭 2F9D0	逵 2F9E0	網 2F9F0	頰 2FA00	鷓 2FA10
1	繡 2F971	旺 2F981	芝 2F991	菊 2F9A1	蘼 2F9B1	蠻 2F9C1	變 2F9D1	邈 2F9E1	闔 2F9F1	馱 2FA01	鷹 2FA11
2	𪗇 2F972	育 2F982	勞 2F992	菌 2F9A2	夔 2F9B2	蠃 2F9C2	豕 2F9D2	邛 2F9E2	隄 2F9F2	飢 2FA02	鷺 2FA12
3	𪗈 2F973	脛 2F983	花 2F993	菜 2F9A3	虐 2F9B3	衡 2F9C3	豸 2F9D3	邗 2F9E3	雅 2F9F3	餽 2FA03	鷓 2FA13
4	罍 2F974	脛 2F984	勞 2F994	蒿 2F9A4	虜 2F9B4	衣 2F9C4	賁 2F9D4	鄆 2F9E4	嶺 2F9F4	餼 2FA04	麋 2FA14
5	罍 2F975	脾 2F985	芽 2F995	藜 2F9A5	虧 2F9B5	𪗉 2F9C5	賁 2F9D5	卿 2F9E5	賁 2F9F5	醞 2FA05	麻 2FA15
6	翼 2F976	媵 2F986	苦 2F996	萁 2F9A6	虢 2F9B6	梳 2F9C6	贛 2F9D6	鄭 2F9E6	霽 2F9F6	馮 2FA06	繫 2FA16
7	纒 2F977	溜 2F987	茆 2F997	蔬 2F9A7	蚩 2F9B7	祝 2F9C7	起 2F9D7	鈹 2F9E7	𪗊 2F9F7	駝 2FA07	𪗋 2FA17
8	羨 2F978	臍 2F988	若 2F998	萍 2F9A8	蚘 2F9B8	祿 2F9C8	趨 2F9D8	鈞 2F9E8	鞞 2F9F8	𪗌 2FA08	𪗍 2FA18
9	翽 2F979	脛 2F989	茆 2F999	董 2F9A9	蚘 2F9B9	襖 2F9C9	趨 2F9D9	𪗎 2F9E9	鞞 2F9F9	鬣 2FA09	𪗏 2FA19
A	者 2F97A	脛 2F98A	茆 2F99A	蘆 2F9AA	蚘 2F9BA	覓 2F9CA	跋 2F9DA	𪗐 2F9EA	鞞 2F9FA	鬣 2FA0A	𪗑 2FA1A
B	𪗒 2F97B	𪗓 2F98B	茆 2F99B	蚘 2F9AB	𪗔 2F9BB	觀 2F9CB	𪗕 2F9DB	𪗖 2F9EB	𪗗 2F9FB	𪗘 2FA0B	𪗙 2FA1B
C	𪗚 2F97C	𪗛 2F98C	莫 2F99C	𪗜 2F9AC	𪗝 2F9BC	𪗞 2F9CC	𪗟 2F9DC	𪗠 2F9EC	頌 2F9FC	鵠 2FA0C	鼻 2FA1C
D	𪗡 2F97D	𪗢 2F98D	莽 2F99D	蘆 2F9AD	𪗣 2F9BD	𪗤 2F9CD	𪗥 2F9DD	𪗦 2F9ED	頌 2F9FD	鵠 2FA0D	𪗧 2FA1D
E	𪗨 2F97E	𪗩 2F98E	茆 2F99E	𪗪 2F9AE	𪗫 2F9BE	𪗬 2F9CE	𪗭 2F9DE	開 2F9EE	頌 2F9FE	鵠 2FA0E	
F	聰 2F97F	𪗯 2F98F	著 2F99F	𪗰 2F9AF	𪗱 2F9BF	誠 2F9CF	輸 2F9DF	開 2F9EF	頌 2F9FF	鵠 2FA0F	

**Duplicate characters from CNS 11643-1992**

2F800	𠄎	CJK COMPATIBILITY IDEOGRAPH-2F800 ≡ 4E3D 𠄎	2F81D	𠄎	CJK COMPATIBILITY IDEOGRAPH-2F81D ≡ 51F5 𠄎
2F801	丸	CJK COMPATIBILITY IDEOGRAPH-2F801 ≡ 4E38 丸	2F81E	刃	CJK COMPATIBILITY IDEOGRAPH-2F81E ≡ 5203 刃
2F802	𠄎	CJK COMPATIBILITY IDEOGRAPH-2F802 ≡ 4E41 𠄎	2F81F	𠄎	CJK COMPATIBILITY IDEOGRAPH-2F81F ≡ 34DF 𠄎
2F803	𠄎	CJK COMPATIBILITY IDEOGRAPH-2F803 ≡ 20122 𠄎	2F820	刻	CJK COMPATIBILITY IDEOGRAPH-2F820 ≡ 523B 刻
2F804	你	CJK COMPATIBILITY IDEOGRAPH-2F804 ≡ 4F60 你	2F821	𠄎	CJK COMPATIBILITY IDEOGRAPH-2F821 ≡ 5246 𠄎
2F805	侮	CJK COMPATIBILITY IDEOGRAPH-2F805 ≡ 4FAE 侮	2F822	割	CJK COMPATIBILITY IDEOGRAPH-2F822 ≡ 5272 割
2F806	倪	CJK COMPATIBILITY IDEOGRAPH-2F806 ≡ 4FBB 倪	2F823	𠄎	CJK COMPATIBILITY IDEOGRAPH-2F823 ≡ 5277 𠄎
2F807	併	CJK COMPATIBILITY IDEOGRAPH-2F807 ≡ 5002 併	2F824	𠄎	CJK COMPATIBILITY IDEOGRAPH-2F824 ≡ 3515 𠄎
2F808	𠄎	CJK COMPATIBILITY IDEOGRAPH-2F808 ≡ 507A 𠄎	2F825	勇	CJK COMPATIBILITY IDEOGRAPH-2F825 ≡ 52C7 勇
2F809	備	CJK COMPATIBILITY IDEOGRAPH-2F809 ≡ 5099 備	2F826	勉	CJK COMPATIBILITY IDEOGRAPH-2F826 ≡ 52C9 勉
2F80A	僧	CJK COMPATIBILITY IDEOGRAPH-2F80A ≡ 50E7 僧	2F827	勤	CJK COMPATIBILITY IDEOGRAPH-2F827 ≡ 52E4 勤
2F80B	像	CJK COMPATIBILITY IDEOGRAPH-2F80B ≡ 50CF 像	2F828	勺	CJK COMPATIBILITY IDEOGRAPH-2F828 ≡ 52FA 勺
2F80C	備	CJK COMPATIBILITY IDEOGRAPH-2F80C ≡ 349E 備	2F829	包	CJK COMPATIBILITY IDEOGRAPH-2F829 ≡ 5305 包
2F80D	充	CJK COMPATIBILITY IDEOGRAPH-2F80D → 5145 充 ≡ 2063A 充	2F82A	匆	CJK COMPATIBILITY IDEOGRAPH-2F82A ≡ 5306 匆
2F80E	免	CJK COMPATIBILITY IDEOGRAPH-2F80E ≡ 514D 免	2F82B	北	CJK COMPATIBILITY IDEOGRAPH-2F82B ≡ 5317 北
2F80F	兔	CJK COMPATIBILITY IDEOGRAPH-2F80F ≡ 5154 兔	2F82C	卉	CJK COMPATIBILITY IDEOGRAPH-2F82C ≡ 5349 卉
2F810	𠄎	CJK COMPATIBILITY IDEOGRAPH-2F810 ≡ 5164 𠄎	2F82D	卑	CJK COMPATIBILITY IDEOGRAPH-2F82D ≡ 5351 卑
2F811	具	CJK COMPATIBILITY IDEOGRAPH-2F811 ≡ 5177 具	2F82E	博	CJK COMPATIBILITY IDEOGRAPH-2F82E ≡ 535A 博
2F812	與	CJK COMPATIBILITY IDEOGRAPH-2F812 ≡ 2051C 與	2F82F	即	CJK COMPATIBILITY IDEOGRAPH-2F82F ≡ 5373 即
2F813	𠄎	CJK COMPATIBILITY IDEOGRAPH-2F813 ≡ 34B9 𠄎	2F830	卽	CJK COMPATIBILITY IDEOGRAPH-2F830 ≡ 537D 卽
2F814	内	CJK COMPATIBILITY IDEOGRAPH-2F814 → 5185 内 ≡ 5167 内	2F831	卿	CJK COMPATIBILITY IDEOGRAPH-2F831 ≡ 537F 卿
2F815	再	CJK COMPATIBILITY IDEOGRAPH-2F815 ≡ 518D 再	2F832	卿	CJK COMPATIBILITY IDEOGRAPH-2F832 ≡ 537F 卿
2F816	冊	CJK COMPATIBILITY IDEOGRAPH-2F816 ≡ 2054B 冊	2F833	卿	CJK COMPATIBILITY IDEOGRAPH-2F833 ≡ 537F 卿
2F817	冗	CJK COMPATIBILITY IDEOGRAPH-2F817 ≡ 5197 冗	2F834	𠄎	CJK COMPATIBILITY IDEOGRAPH-2F834 ≡ 20A2C 𠄎
2F818	冤	CJK COMPATIBILITY IDEOGRAPH-2F818 ≡ 51A4 冤	2F835	灰	CJK COMPATIBILITY IDEOGRAPH-2F835 ≡ 7070 灰
2F819	𠄎	CJK COMPATIBILITY IDEOGRAPH-2F819 ≡ 4ECC 𠄎	2F836	及	CJK COMPATIBILITY IDEOGRAPH-2F836 ≡ 53CA 及
2F81A	冬	CJK COMPATIBILITY IDEOGRAPH-2F81A ≡ 51AC 冬	2F837	叟	CJK COMPATIBILITY IDEOGRAPH-2F837 ≡ 53DF 叟
2F81B	况	CJK COMPATIBILITY IDEOGRAPH-2F81B ≡ 51B5 况	2F838	𠄎	CJK COMPATIBILITY IDEOGRAPH-2F838 ≡ 20B63 𠄎
2F81C	𠄎	CJK COMPATIBILITY IDEOGRAPH-2F81C ≡ 291DF 𠄎	2F839	叫	CJK COMPATIBILITY IDEOGRAPH-2F839 ≡ 53EB 叫
			2F83A	𠄎	CJK COMPATIBILITY IDEOGRAPH-2F83A ≡ 53F1 𠄎
			2F83B	𠄎	CJK COMPATIBILITY IDEOGRAPH-2F83B ≡ 5406 𠄎

2F83C	呀	CJK COMPATIBILITY IDEOGRAPH-2F83C ≡ 549E 呀	2F85A	壳	CJK COMPATIBILITY IDEOGRAPH-2F85A → 58F3 壳 ≡ 58F2 壳
2F83D	吸	CJK COMPATIBILITY IDEOGRAPH-2F83D ≡ 5438 吸	2F85B	壺	CJK COMPATIBILITY IDEOGRAPH-2F85B → 21533 壺 ≡ 58F7 壺
2F83E	呈	CJK COMPATIBILITY IDEOGRAPH-2F83E ≡ 5448 呈	2F85C	峯	CJK COMPATIBILITY IDEOGRAPH-2F85C ≡ 5906 峯
2F83F	周	CJK COMPATIBILITY IDEOGRAPH-2F83F ≡ 5468 周	2F85D	多	CJK COMPATIBILITY IDEOGRAPH-2F85D ≡ 591A 多
2F840	罅	CJK COMPATIBILITY IDEOGRAPH-2F840 ≡ 54A2 罅	2F85E	夢	CJK COMPATIBILITY IDEOGRAPH-2F85E ≡ 5922 夢
2F841	咩	CJK COMPATIBILITY IDEOGRAPH-2F841 ≡ 54F6 咩	2F85F	奢	CJK COMPATIBILITY IDEOGRAPH-2F85F ≡ 5962 奢
2F842	唐	CJK COMPATIBILITY IDEOGRAPH-2F842 ≡ 5510 唐	2F860	妣	CJK COMPATIBILITY IDEOGRAPH-2F860 ≡ 216A8 妣
2F843	啓	CJK COMPATIBILITY IDEOGRAPH-2F843 ≡ 5553 啓	2F861	姍	CJK COMPATIBILITY IDEOGRAPH-2F861 ≡ 216EA 姍
2F844	啣	CJK COMPATIBILITY IDEOGRAPH-2F844 ≡ 5563 啣	2F862	姬	CJK COMPATIBILITY IDEOGRAPH-2F862 ≡ 59EC 姬
2F845	善	CJK COMPATIBILITY IDEOGRAPH-2F845 ≡ 5584 善	2F863	娛	CJK COMPATIBILITY IDEOGRAPH-2F863 ≡ 5A1B 娛
2F846	善	CJK COMPATIBILITY IDEOGRAPH-2F846 ≡ 5584 善	2F864	媿	CJK COMPATIBILITY IDEOGRAPH-2F864 ≡ 5A27 媿
2F847	喙	CJK COMPATIBILITY IDEOGRAPH-2F847 ≡ 5599 喙	2F865	妍	CJK COMPATIBILITY IDEOGRAPH-2F865 ≡ 59D8 妍
2F848	喫	CJK COMPATIBILITY IDEOGRAPH-2F848 ≡ 55AB 喫	2F866	婦	CJK COMPATIBILITY IDEOGRAPH-2F866 ≡ 5A66 婦
2F849	噎	CJK COMPATIBILITY IDEOGRAPH-2F849 ≡ 55B3 噎	2F867	媵	CJK COMPATIBILITY IDEOGRAPH-2F867 ≡ 36EE 媵
2F84A	囃	CJK COMPATIBILITY IDEOGRAPH-2F84A ≡ 55C2 囃	2F868	媮	CJK COMPATIBILITY IDEOGRAPH-2F868 ≡ 36FC 媮
2F84B	圖	CJK COMPATIBILITY IDEOGRAPH-2F84B ≡ 5716 圖	2F869	媯	CJK COMPATIBILITY IDEOGRAPH-2F869 ≡ 5B08 媯
2F84C	嘆	CJK COMPATIBILITY IDEOGRAPH-2F84C ≡ 5606 嘆	2F86A	嬾	CJK COMPATIBILITY IDEOGRAPH-2F86A ≡ 5B3E 嬾
2F84D	圖	CJK COMPATIBILITY IDEOGRAPH-2F84D ≡ 5717 圖	2F86B	嬾	CJK COMPATIBILITY IDEOGRAPH-2F86B ≡ 5B3E 嬾
2F84E	嗶	CJK COMPATIBILITY IDEOGRAPH-2F84E ≡ 5651 嗶	2F86C	穹	CJK COMPATIBILITY IDEOGRAPH-2F86C ≡ 219C8 穹
2F84F	噴	CJK COMPATIBILITY IDEOGRAPH-2F84F ≡ 5674 噴	2F86D	寬	CJK COMPATIBILITY IDEOGRAPH-2F86D ≡ 5BC3 寬
2F850	切	CJK COMPATIBILITY IDEOGRAPH-2F850 ≡ 5207 切	2F86E	眞	CJK COMPATIBILITY IDEOGRAPH-2F86E ≡ 5BD8 眞
2F851	壯	CJK COMPATIBILITY IDEOGRAPH-2F851 ≡ 58EE 壯	2F86F	寧	CJK COMPATIBILITY IDEOGRAPH-2F86F ≡ 5BE7 寧
2F852	城	CJK COMPATIBILITY IDEOGRAPH-2F852 ≡ 57CE 城	2F870	寶	CJK COMPATIBILITY IDEOGRAPH-2F870 ≡ 5BF3 寶
2F853	壚	CJK COMPATIBILITY IDEOGRAPH-2F853 ≡ 57F4 壚	2F871	覲	CJK COMPATIBILITY IDEOGRAPH-2F871 ≡ 21B18 覲
2F854	塊	CJK COMPATIBILITY IDEOGRAPH-2F854 ≡ 580D 塊	2F872	寿	CJK COMPATIBILITY IDEOGRAPH-2F872 ≡ 5BFF 寿
2F855	型	CJK COMPATIBILITY IDEOGRAPH-2F855 ≡ 578B 型	2F873	将	CJK COMPATIBILITY IDEOGRAPH-2F873 ≡ 5C06 将
2F856	聖	CJK COMPATIBILITY IDEOGRAPH-2F856 ≡ 5832 聖	2F874	当	CJK COMPATIBILITY IDEOGRAPH-2F874 ≡ 5F53 当
2F857	報	CJK COMPATIBILITY IDEOGRAPH-2F857 ≡ 5831 報	2F875	尢	CJK COMPATIBILITY IDEOGRAPH-2F875 ≡ 5C22 尢
2F858	墜	CJK COMPATIBILITY IDEOGRAPH-2F858 ≡ 58AC 墜	2F876	尫	CJK COMPATIBILITY IDEOGRAPH-2F876 ≡ 3781 尫
2F859	墳	CJK COMPATIBILITY IDEOGRAPH-2F859 ≡ 214E4 墳	2F877	屠	CJK COMPATIBILITY IDEOGRAPH-2F877 ≡ 5C60 屠

2F878	𠂇	CJK COMPATIBILITY IDEOGRAPH-2F878 ≡ 5C6E 𠂇	2F897	𠂇	CJK COMPATIBILITY IDEOGRAPH-2F897 ≡ 232B8 𠂇
2F879	𠂈	CJK COMPATIBILITY IDEOGRAPH-2F879 ≡ 5CC0 𠂈	2F898	𠂉	CJK COMPATIBILITY IDEOGRAPH-2F898 ≡ 261DA 𠂉
2F87A	𠂉	CJK COMPATIBILITY IDEOGRAPH-2F87A ≡ 5C8D 𠂉	2F899	𠂊	CJK COMPATIBILITY IDEOGRAPH-2F899 ≡ 5F62 𠂊
2F87B	𠂊	CJK COMPATIBILITY IDEOGRAPH-2F87B ≡ 21DE4 𠂊	2F89A	𠂋	CJK COMPATIBILITY IDEOGRAPH-2F89A ≡ 5F6B 𠂋
2F87C	𠂋	CJK COMPATIBILITY IDEOGRAPH-2F87C ≡ 5D43 𠂋	2F89B	𠂌	CJK COMPATIBILITY IDEOGRAPH-2F89B ≡ 38E3 𠂌
2F87D	𠂌	CJK COMPATIBILITY IDEOGRAPH-2F87D ≡ 21DE6 𠂌	2F89C	𠂍	CJK COMPATIBILITY IDEOGRAPH-2F89C → 22505 徛 ≡ 5F9A 徛
2F87E	𠂍	CJK COMPATIBILITY IDEOGRAPH-2F87E ≡ 5D6E 𠂍	2F89D	𠂎	CJK COMPATIBILITY IDEOGRAPH-2F89D ≡ 5FCD 忍
2F87F	𠂎	CJK COMPATIBILITY IDEOGRAPH-2F87F ≡ 5D6B 𠂎	2F89E	志	CJK COMPATIBILITY IDEOGRAPH-2F89E ≡ 5FD7 志
2F880	𠂏	CJK COMPATIBILITY IDEOGRAPH-2F880 ≡ 5D7C 𠂏	2F89F	𠂐	CJK COMPATIBILITY IDEOGRAPH-2F89F ≡ 5FF9 𠂐
2F881	巡	CJK COMPATIBILITY IDEOGRAPH-2F881 ≡ 5DE1 巡	2F8A0	恂	CJK COMPATIBILITY IDEOGRAPH-2F8A0 ≡ 6081 恂
2F882	𠂑	CJK COMPATIBILITY IDEOGRAPH-2F882 ≡ 5DE2 𠂑	2F8A1	恃	CJK COMPATIBILITY IDEOGRAPH-2F8A1 ≡ 393A 恃
2F883	𠂒	CJK COMPATIBILITY IDEOGRAPH-2F883 ≡ 382F 𠂒	2F8A2	恄	CJK COMPATIBILITY IDEOGRAPH-2F8A2 ≡ 391C 恄
2F884	巽	CJK COMPATIBILITY IDEOGRAPH-2F884 ≡ 5DFD 巽	2F8A3	悔	CJK COMPATIBILITY IDEOGRAPH-2F8A3 ≡ 6094 悔
2F885	𠂔	CJK COMPATIBILITY IDEOGRAPH-2F885 ≡ 5E28 𠂔	2F8A4	恅	CJK COMPATIBILITY IDEOGRAPH-2F8A4 ≡ 226D4 恅
2F886	帽	CJK COMPATIBILITY IDEOGRAPH-2F886 ≡ 5E3D 帽	2F8A5	惇	CJK COMPATIBILITY IDEOGRAPH-2F8A5 ≡ 60C7 惇
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2F888	𠂗	CJK COMPATIBILITY IDEOGRAPH-2F888 ≡ 3862 𠂗	2F8A7	慌	CJK COMPATIBILITY IDEOGRAPH-2F8A7 ≡ 614C 慌
2F889	𠂘	CJK COMPATIBILITY IDEOGRAPH-2F889 ≡ 22183 𠂘	2F8A8	慎	CJK COMPATIBILITY IDEOGRAPH-2F8A8 ≡ 614E 慎
2F88A	𠂙	CJK COMPATIBILITY IDEOGRAPH-2F88A ≡ 387C 𠂙	2F8A9	慌	CJK COMPATIBILITY IDEOGRAPH-2F8A9 ≡ 614C 慌
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2F891	𠂞	CJK COMPATIBILITY IDEOGRAPH-2F891 ≡ 22331 𠂞	2F8B0	懲	CJK COMPATIBILITY IDEOGRAPH-2F8B0 ≡ 61F2 懲
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2F895	𠂢	CJK COMPATIBILITY IDEOGRAPH-2F895 ≡ 5F22 𠂢	2F8B4	𠂣	CJK COMPATIBILITY IDEOGRAPH-2F8B4 ≡ 625D 𠂣
2F896	𠂣	CJK COMPATIBILITY IDEOGRAPH-2F896 ≡ 38C7 𠂣			

2F8B5 抱	CJK COMPATIBILITY IDEOGRAPH-2F8B5 ≡ 62B1 抱	2F8D4 最	CJK COMPATIBILITY IDEOGRAPH-2F8D4 ≡ 6700 最
2F8B6 拔	CJK COMPATIBILITY IDEOGRAPH-2F8B6 ≡ 62D4 拔	2F8D5 瞢	CJK COMPATIBILITY IDEOGRAPH-2F8D5 ≡ 669C 瞢
2F8B7 掄	CJK COMPATIBILITY IDEOGRAPH-2F8B7 ≡ 6350 掄	2F8D6 朥	CJK COMPATIBILITY IDEOGRAPH-2F8D6 ≡ 80AD 朥
2F8B8 援	CJK COMPATIBILITY IDEOGRAPH-2F8B8 ≡ 22B0C 援	2F8D7 朧	CJK COMPATIBILITY IDEOGRAPH-2F8D7 ≡ 43D9 朧
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2F8BA 拼	CJK COMPATIBILITY IDEOGRAPH-2F8BA ≡ 62FC 拼	2F8D9 望	CJK COMPATIBILITY IDEOGRAPH-2F8D9 ≡ 671B 望
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2F8C3 摩	CJK COMPATIBILITY IDEOGRAPH-2F8C3 ≡ 6469 摩	2F8E2 梅	CJK COMPATIBILITY IDEOGRAPH-2F8E2 ≡ 6885 梅
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2F8C8 敏	CJK COMPATIBILITY IDEOGRAPH-2F8C8 ≡ 654F 敏	2F8E7 榭	CJK COMPATIBILITY IDEOGRAPH-2F8E7 ≡ 3B9D 榭
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2F8CD 晉	CJK COMPATIBILITY IDEOGRAPH-2F8CD ≡ 6649 晉	2F8EC 榭	CJK COMPATIBILITY IDEOGRAPH-2F8EC ≡ 236A3 榭
2F8CE 曉	CJK COMPATIBILITY IDEOGRAPH-2F8CE ≡ 3B19 曉	2F8ED 櫛	CJK COMPATIBILITY IDEOGRAPH-2F8ED ≡ 6ADB 櫛
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2F8F4	殞	CJK COMPATIBILITY IDEOGRAPH-2F8F4 ≡ 6B9F 殞	2F913	淪	CJK COMPATIBILITY IDEOGRAPH-2F913 ≡ 7039 淪
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2F8FB	沆	CJK COMPATIBILITY IDEOGRAPH-2F8FB ≡ 23CBC 沆	2F91A	炭	CJK COMPATIBILITY IDEOGRAPH-2F91A ≡ 70AD 炭
2F8FC	沿	CJK COMPATIBILITY IDEOGRAPH-2F8FC ≡ 6CBF 沿	2F91B	蕪	CJK COMPATIBILITY IDEOGRAPH-2F91B ≡ 20525 蕪
2F8FD	泮	CJK COMPATIBILITY IDEOGRAPH-2F8FD ≡ 6CCD 泮	2F91C	燬	CJK COMPATIBILITY IDEOGRAPH-2F91C ≡ 7145 燬
2F8FE	汧	CJK COMPATIBILITY IDEOGRAPH-2F8FE ≡ 6C67 汧	2F91D	熾	CJK COMPATIBILITY IDEOGRAPH-2F91D ≡ 24263 熾
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2F900	派	CJK COMPATIBILITY IDEOGRAPH-2F900 ≡ 6D3E 派	2F91F	蕘	CJK COMPATIBILITY IDEOGRAPH-2F91F ≡ 243AB 蕘
2F901	海	CJK COMPATIBILITY IDEOGRAPH-2F901 ≡ 6D77 海	2F920	爨	CJK COMPATIBILITY IDEOGRAPH-2F920 ≡ 7228 爨
2F902	流	CJK COMPATIBILITY IDEOGRAPH-2F902 ≡ 6D41 流	2F921	爵	CJK COMPATIBILITY IDEOGRAPH-2F921 ≡ 7235 爵
2F903	浩	CJK COMPATIBILITY IDEOGRAPH-2F903 ≡ 6D69 浩	2F922	牖	CJK COMPATIBILITY IDEOGRAPH-2F922 ≡ 7250 牖
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2F905	涅	CJK COMPATIBILITY IDEOGRAPH-2F905 ≡ 6D85 涅	2F924	犀	CJK COMPATIBILITY IDEOGRAPH-2F924 ≡ 7280 犀
2F906	滌	CJK COMPATIBILITY IDEOGRAPH-2F906 ≡ 23D1E 滌	2F925	犗	CJK COMPATIBILITY IDEOGRAPH-2F925 ≡ 7295 犗
2F907	泝	CJK COMPATIBILITY IDEOGRAPH-2F907 ≡ 6D34 泝	2F926	狎	CJK COMPATIBILITY IDEOGRAPH-2F926 ≡ 24735 狎
2F908	港	CJK COMPATIBILITY IDEOGRAPH-2F908 ≡ 6E2F 港	2F927	獠	CJK COMPATIBILITY IDEOGRAPH-2F927 ≡ 24814 獠
2F909	湮	CJK COMPATIBILITY IDEOGRAPH-2F909 ≡ 6E6E 湮	2F928	獺	CJK COMPATIBILITY IDEOGRAPH-2F928 ≡ 737A 獺
2F90A	灑	CJK COMPATIBILITY IDEOGRAPH-2F90A ≡ 3D33 灑	2F929	王	CJK COMPATIBILITY IDEOGRAPH-2F929 ≡ 738B 王
2F90B	滋	CJK COMPATIBILITY IDEOGRAPH-2F90B ≡ 6ECB 滋	2F92A	玗	CJK COMPATIBILITY IDEOGRAPH-2F92A ≡ 3EAC 玗
2F90C	滇	CJK COMPATIBILITY IDEOGRAPH-2F90C ≡ 6EC7 滇	2F92B	玘	CJK COMPATIBILITY IDEOGRAPH-2F92B ≡ 73A5 玘
2F90D	澱	CJK COMPATIBILITY IDEOGRAPH-2F90D ≡ 23ED1 澱	2F92C	堡	CJK COMPATIBILITY IDEOGRAPH-2F92C ≡ 3EB8 堡
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2F910	澀	CJK COMPATIBILITY IDEOGRAPH-2F910 ≡ 23F5E 澀	2F92F	瑜	CJK COMPATIBILITY IDEOGRAPH-2F92F ≡ 745C 瑜
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
























































































2F931 瓓	CJK COMPATIBILITY IDEOGRAPH-2F931 ≡ 7485 瓓	2F950 磧	CJK COMPATIBILITY IDEOGRAPH-2F950 ≡ 78CC 磧
2F932 瓊	CJK COMPATIBILITY IDEOGRAPH-2F932 ≡ 74CA 瓊	2F951 礪	CJK COMPATIBILITY IDEOGRAPH-2F951 ≡ 40E3 礪
2F933 瓶	CJK COMPATIBILITY IDEOGRAPH-2F933 ≡ 3F1B 瓶	2F952 苴	CJK COMPATIBILITY IDEOGRAPH-2F952 ≡ 25626 苴
2F934 豨	CJK COMPATIBILITY IDEOGRAPH-2F934 ≡ 7524 豨	2F953 租	CJK COMPATIBILITY IDEOGRAPH-2F953 ≡ 7956 租
2F935 串	CJK COMPATIBILITY IDEOGRAPH-2F935 ≡ 24C36 串	2F954 禡	CJK COMPATIBILITY IDEOGRAPH-2F954 ≡ 2569A 禡
2F936 笛	CJK COMPATIBILITY IDEOGRAPH-2F936 ≡ 753E 笛	2F955 褶	CJK COMPATIBILITY IDEOGRAPH-2F955 ≡ 256C5 褶
2F937 畊	CJK COMPATIBILITY IDEOGRAPH-2F937 ≡ 24C92 畊	2F956 福	CJK COMPATIBILITY IDEOGRAPH-2F956 ≡ 798F 福
2F938 異	CJK COMPATIBILITY IDEOGRAPH-2F938 ≡ 7570 異	2F957 秣	CJK COMPATIBILITY IDEOGRAPH-2F957 ≡ 79EB 秣
2F939 蚡	CJK COMPATIBILITY IDEOGRAPH-2F939 ≡ 2219F 蚡	2F958 秝	CJK COMPATIBILITY IDEOGRAPH-2F958 ≡ 412F 秝
2F93A 痠	CJK COMPATIBILITY IDEOGRAPH-2F93A ≡ 7610 痠	2F959 穀	CJK COMPATIBILITY IDEOGRAPH-2F959 ≡ 7A40 穀
2F93B 鷓	CJK COMPATIBILITY IDEOGRAPH-2F93B ≡ 24FA1 鷓	2F95A 概	CJK COMPATIBILITY IDEOGRAPH-2F95A ≡ 7A4A 概
2F93C 鷓	CJK COMPATIBILITY IDEOGRAPH-2F93C ≡ 24FB8 鷓	2F95B 穩	CJK COMPATIBILITY IDEOGRAPH-2F95B ≡ 7A4F 穩
2F93D 盃	CJK COMPATIBILITY IDEOGRAPH-2F93D ≡ 25044 盃	2F95C 籊	CJK COMPATIBILITY IDEOGRAPH-2F95C ≡ 2597C 籊
2F93E 盃	CJK COMPATIBILITY IDEOGRAPH-2F93E ≡ 3FFC 盃	2F95D 禎	CJK COMPATIBILITY IDEOGRAPH-2F95D ≡ 25AA7 禎
2F93F 盃	CJK COMPATIBILITY IDEOGRAPH-2F93F ≡ 4008 盃	2F95E 禎	CJK COMPATIBILITY IDEOGRAPH-2F95E ≡ 25AA7 禎
2F940 直	CJK COMPATIBILITY IDEOGRAPH-2F940 ≡ 76F4 直	2F95F 辦	CJK COMPATIBILITY IDEOGRAPH-2F95F ≡ 7AEE 辦
2F941 眊	CJK COMPATIBILITY IDEOGRAPH-2F941 ≡ 250F3 眊	2F960 筭	CJK COMPATIBILITY IDEOGRAPH-2F960 ≡ 4202 筭
2F942 昇	CJK COMPATIBILITY IDEOGRAPH-2F942 ≡ 250F2 昇	2F961 籊	CJK COMPATIBILITY IDEOGRAPH-2F961 ≡ 25BAB 籊
2F943 眊	CJK COMPATIBILITY IDEOGRAPH-2F943 ≡ 25119 眊	2F962 篆	CJK COMPATIBILITY IDEOGRAPH-2F962 ≡ 7BC6 篆
2F944 眾	CJK COMPATIBILITY IDEOGRAPH-2F944 ≡ 25133 眾	2F963 築	CJK COMPATIBILITY IDEOGRAPH-2F963 ≡ 7BC9 築
2F945 眞	CJK COMPATIBILITY IDEOGRAPH-2F945 ≡ 771E 眞	2F964 籊	CJK COMPATIBILITY IDEOGRAPH-2F964 ≡ 4227 籊
2F946 眞	CJK COMPATIBILITY IDEOGRAPH-2F946 ≡ 771F 眞	2F965 籊	CJK COMPATIBILITY IDEOGRAPH-2F965 ≡ 25C80 籊
2F947 眞	CJK COMPATIBILITY IDEOGRAPH-2F947 ≡ 771F 眞	2F966 糒	CJK COMPATIBILITY IDEOGRAPH-2F966 ≡ 7CD2 糒
2F948 睞	CJK COMPATIBILITY IDEOGRAPH-2F948 ≡ 774A 睞	2F967 繫	CJK COMPATIBILITY IDEOGRAPH-2F967 ≡ 42A0 繫
2F949 映	CJK COMPATIBILITY IDEOGRAPH-2F949 ≡ 4039 映	2F968 糒	CJK COMPATIBILITY IDEOGRAPH-2F968 ≡ 7CE8 糒
2F94A 瞋	CJK COMPATIBILITY IDEOGRAPH-2F94A ≡ 778B 瞋	2F969 糒	CJK COMPATIBILITY IDEOGRAPH-2F969 ≡ 7CE3 糒
2F94B 瞋	CJK COMPATIBILITY IDEOGRAPH-2F94B ≡ 4046 瞋	2F96A 紀	CJK COMPATIBILITY IDEOGRAPH-2F96A ≡ 7D00 紀
2F94C 否	CJK COMPATIBILITY IDEOGRAPH-2F94C ≡ 4096 否	2F96B 紕	CJK COMPATIBILITY IDEOGRAPH-2F96B ≡ 25F86 紕
2F94D 砣	CJK COMPATIBILITY IDEOGRAPH-2F94D ≡ 2541D 砣	2F96C 緝	CJK COMPATIBILITY IDEOGRAPH-2F96C ≡ 7D63 緝
2F94E 劓	CJK COMPATIBILITY IDEOGRAPH-2F94E ≡ 784E 劓	2F96D 纓	CJK COMPATIBILITY IDEOGRAPH-2F96D ≡ 4301 纓
2F94F 碌	CJK COMPATIBILITY IDEOGRAPH-2F94F ≡ 788C 碌	2F96E 緝	CJK COMPATIBILITY IDEOGRAPH-2F96E ≡ 7DC7 緝



2F96F	總	CJK COMPATIBILITY IDEOGRAPH-2F96F ≡ 7E02 總	2F98E	餅	CJK COMPATIBILITY IDEOGRAPH-2F98E ≡ 446B 餅
2F970	纈	CJK COMPATIBILITY IDEOGRAPH-2F970 ≡ 7E45 纈	2F98F	芑	CJK COMPATIBILITY IDEOGRAPH-2F98F ≡ 8291 芑
2F971	纈	CJK COMPATIBILITY IDEOGRAPH-2F971 ≡ 4334 纈	2F990	芋	CJK COMPATIBILITY IDEOGRAPH-2F990 ≡ 828B 芋
2F972	餅	CJK COMPATIBILITY IDEOGRAPH-2F972 ≡ 26228 餅	2F991	芝	CJK COMPATIBILITY IDEOGRAPH-2F991 ≡ 829D 芝
2F973	餅	CJK COMPATIBILITY IDEOGRAPH-2F973 ≡ 26247 餅	2F992	勞	CJK COMPATIBILITY IDEOGRAPH-2F992 ≡ 52B3 勞
2F974	罍	CJK COMPATIBILITY IDEOGRAPH-2F974 ≡ 4359 罍	2F993	花	CJK COMPATIBILITY IDEOGRAPH-2F993 ≡ 82B1 花
2F975	罍	CJK COMPATIBILITY IDEOGRAPH-2F975 ≡ 262D9 罍	2F994	芣	CJK COMPATIBILITY IDEOGRAPH-2F994 ≡ 82B3 芣
2F976	翼	CJK COMPATIBILITY IDEOGRAPH-2F976 ≡ 7F7A 翼	2F995	芽	CJK COMPATIBILITY IDEOGRAPH-2F995 ≡ 82BD 芽
2F977	纈	CJK COMPATIBILITY IDEOGRAPH-2F977 ≡ 2633E 纈	2F996	苦	CJK COMPATIBILITY IDEOGRAPH-2F996 ≡ 82E6 苦
2F978	莨	CJK COMPATIBILITY IDEOGRAPH-2F978 ≡ 7F95 莨	2F997	荼	CJK COMPATIBILITY IDEOGRAPH-2F997 ≡ 26B3C 荼
2F979	翹	CJK COMPATIBILITY IDEOGRAPH-2F979 ≡ 7FFA 翹	2F998	若	CJK COMPATIBILITY IDEOGRAPH-2F998 ≡ 82E5 若
2F97A	者	CJK COMPATIBILITY IDEOGRAPH-2F97A ≡ 8005 者	2F999	莛	CJK COMPATIBILITY IDEOGRAPH-2F999 ≡ 831D 莛
2F97B	端	CJK COMPATIBILITY IDEOGRAPH-2F97B ≡ 264DA 端	2F99A	榮	CJK COMPATIBILITY IDEOGRAPH-2F99A ≡ 8363 榮
2F97C	縻	CJK COMPATIBILITY IDEOGRAPH-2F97C ≡ 26523 縻	2F99B	莛	CJK COMPATIBILITY IDEOGRAPH-2F99B ≡ 83AD 莛
2F97D	聃	CJK COMPATIBILITY IDEOGRAPH-2F97D ≡ 8060 聃	2F99C	莫	CJK COMPATIBILITY IDEOGRAPH-2F99C ≡ 8323 莫
2F97E	聃	CJK COMPATIBILITY IDEOGRAPH-2F97E ≡ 265A8 聃	2F99D	莽	CJK COMPATIBILITY IDEOGRAPH-2F99D ≡ 83BD 莽
2F97F	聰	CJK COMPATIBILITY IDEOGRAPH-2F97F ≡ 8070 聰	2F99E	蔗	CJK COMPATIBILITY IDEOGRAPH-2F99E ≡ 83E7 蔗
2F980	冑	CJK COMPATIBILITY IDEOGRAPH-2F980 ≡ 2335F 冑	2F99F	著	CJK COMPATIBILITY IDEOGRAPH-2F99F ≡ 8457 著
2F981	肱	CJK COMPATIBILITY IDEOGRAPH-2F981 ≡ 43D5 肱	2F9A0	莽	CJK COMPATIBILITY IDEOGRAPH-2F9A0 ≡ 8353 莽
2F982	育	CJK COMPATIBILITY IDEOGRAPH-2F982 ≡ 80B2 育	2F9A1	菊	CJK COMPATIBILITY IDEOGRAPH-2F9A1 ≡ 83CA 菊
2F983	脛	CJK COMPATIBILITY IDEOGRAPH-2F983 ≡ 8103 脛	2F9A2	菌	CJK COMPATIBILITY IDEOGRAPH-2F9A2 ≡ 83CC 菌
2F984	脛	CJK COMPATIBILITY IDEOGRAPH-2F984 ≡ 440B 脛	2F9A3	菜	CJK COMPATIBILITY IDEOGRAPH-2F9A3 ≡ 83DC 菜
2F985	脾	CJK COMPATIBILITY IDEOGRAPH-2F985 ≡ 813E 脾	2F9A4	蒿	CJK COMPATIBILITY IDEOGRAPH-2F9A4 ≡ 26C36 蒿
2F986	媵	CJK COMPATIBILITY IDEOGRAPH-2F986 ≡ 5AB5 媵	2F9A5	蒙	CJK COMPATIBILITY IDEOGRAPH-2F9A5 ≡ 26D6B 蒙
2F987	臛	CJK COMPATIBILITY IDEOGRAPH-2F987 ≡ 267A7 臛	2F9A6	募	CJK COMPATIBILITY IDEOGRAPH-2F9A6 ≡ 26CD5 募
2F988	臛	CJK COMPATIBILITY IDEOGRAPH-2F988 ≡ 267B5 臛	2F9A7	蕨	CJK COMPATIBILITY IDEOGRAPH-2F9A7 ≡ 452B 蕨
2F989	臛	CJK COMPATIBILITY IDEOGRAPH-2F989 ≡ 23393 臛	2F9A8	萍	CJK COMPATIBILITY IDEOGRAPH-2F9A8 ≡ 84F1 萍
2F98A	臛	CJK COMPATIBILITY IDEOGRAPH-2F98A ≡ 2339C 臛	2F9A9	董	CJK COMPATIBILITY IDEOGRAPH-2F9A9 ≡ 84F3 董
2F98B	昇	CJK COMPATIBILITY IDEOGRAPH-2F98B ≡ 8201 昇	2F9AA	蘆	CJK COMPATIBILITY IDEOGRAPH-2F9AA ≡ 8516 蘆
2F98C	烏	CJK COMPATIBILITY IDEOGRAPH-2F98C ≡ 8204 烏	2F9AB	蝨	CJK COMPATIBILITY IDEOGRAPH-2F9AB ≡ 273CA 蝨
2F98D	辭	CJK COMPATIBILITY IDEOGRAPH-2F98D ≡ 8F9E 辭	2F9AC	蕤	CJK COMPATIBILITY IDEOGRAPH-2F9AC ≡ 8564 蕤

2F9AD 藎	CJK COMPATIBILITY IDEOGRAPH-2F9AD ≡ 26F2C 藎	2F9CA 覓	CJK COMPATIBILITY IDEOGRAPH-2F9CA ≡ 34BB 覓
2F9AE 穉	CJK COMPATIBILITY IDEOGRAPH-2F9AE ≡ 455D 穉	2F9CB 覲	CJK COMPATIBILITY IDEOGRAPH-2F9CB → 4695 覲 ≡ 278AE 覲
2F9AF 藎	CJK COMPATIBILITY IDEOGRAPH-2F9AF ≡ 4561 藎	2F9CC 訶	CJK COMPATIBILITY IDEOGRAPH-2F9CC ≡ 27966 訶
2F9B0 藎	CJK COMPATIBILITY IDEOGRAPH-2F9B0 ≡ 26FB1 藎	2F9CD 訶	CJK COMPATIBILITY IDEOGRAPH-2F9CD ≡ 46BE 訶
2F9B1 藎	CJK COMPATIBILITY IDEOGRAPH-2F9B1 ≡ 270D2 藎	2F9CE 詔	CJK COMPATIBILITY IDEOGRAPH-2F9CE ≡ 46C7 詔
2F9B2 藎	CJK COMPATIBILITY IDEOGRAPH-2F9B2 → 5914 藎 → 270CD 藎 → 270F0 藎 ≡ 456B 藎	2F9CF 誠	CJK COMPATIBILITY IDEOGRAPH-2F9CF ≡ 8AA0 誠
2F9B3 虐	CJK COMPATIBILITY IDEOGRAPH-2F9B3 ≡ 8650 虐	2F9D0 諭	CJK COMPATIBILITY IDEOGRAPH-2F9D0 ≡ 8AED 諭
2F9B4 虜	CJK COMPATIBILITY IDEOGRAPH-2F9B4 ≡ 865C 虜	2F9D1 變	CJK COMPATIBILITY IDEOGRAPH-2F9D1 ≡ 8B8A 變
2F9B5 虧	CJK COMPATIBILITY IDEOGRAPH-2F9B5 ≡ 8667 虧	2F9D2 豕	CJK COMPATIBILITY IDEOGRAPH-2F9D2 ≡ 8C55 豕
2F9B6 虢	CJK COMPATIBILITY IDEOGRAPH-2F9B6 → 27205 虢 ≡ 8669 虢	2F9D3 豨	CJK COMPATIBILITY IDEOGRAPH-2F9D3 ≡ 27CA8 豨
2F9B7 蚩	CJK COMPATIBILITY IDEOGRAPH-2F9B7 ≡ 86A9 蚩	2F9D4 貫	CJK COMPATIBILITY IDEOGRAPH-2F9D4 ≡ 8CAB 貫
2F9B8 蚩	CJK COMPATIBILITY IDEOGRAPH-2F9B8 ≡ 8688 蚩	2F9D5 賁	CJK COMPATIBILITY IDEOGRAPH-2F9D5 ≡ 8CC1 賁
2F9B9 蚩	CJK COMPATIBILITY IDEOGRAPH-2F9B9 ≡ 870E 蚩	2F9D6 贛	CJK COMPATIBILITY IDEOGRAPH-2F9D6 → 25AD4 贛 ≡ 8D1B 贛
2F9BA 蚩	CJK COMPATIBILITY IDEOGRAPH-2F9BA ≡ 86E2 蚩	2F9D7 起	CJK COMPATIBILITY IDEOGRAPH-2F9D7 ≡ 8D77 起
2F9BB 蚩	CJK COMPATIBILITY IDEOGRAPH-2F9BB ≡ 8779 蚩	2F9D8 趨	CJK COMPATIBILITY IDEOGRAPH-2F9D8 ≡ 27F2F 趨
2F9BC 蚩	CJK COMPATIBILITY IDEOGRAPH-2F9BC ≡ 8728 蚩	2F9D9 趨	CJK COMPATIBILITY IDEOGRAPH-2F9D9 ≡ 20804 趨
2F9BD 蚩	CJK COMPATIBILITY IDEOGRAPH-2F9BD ≡ 876B 蚩	2F9DA 跋	CJK COMPATIBILITY IDEOGRAPH-2F9DA ≡ 8DCB 跋
2F9BE 蚩	CJK COMPATIBILITY IDEOGRAPH-2F9BE ≡ 8786 蚩	2F9DB 跚	CJK COMPATIBILITY IDEOGRAPH-2F9DB ≡ 8DBC 跚
2F9BF 蚩	CJK COMPATIBILITY IDEOGRAPH-2F9BF ≡ 45D7 蚩	2F9DC 跚	CJK COMPATIBILITY IDEOGRAPH-2F9DC ≡ 8DF0 跚
2F9C0 螞	CJK COMPATIBILITY IDEOGRAPH-2F9C0 ≡ 87E1 螞	2F9DD 匍	CJK COMPATIBILITY IDEOGRAPH-2F9DD ≡ 208DE 匍
2F9C1 蠻	CJK COMPATIBILITY IDEOGRAPH-2F9C1 ≡ 8801 蠻	2F9DE 軻	CJK COMPATIBILITY IDEOGRAPH-2F9DE ≡ 8ED4 軻
2F9C2 蠃	CJK COMPATIBILITY IDEOGRAPH-2F9C2 ≡ 45F9 蠃	2F9DF 輸	CJK COMPATIBILITY IDEOGRAPH-2F9DF ≡ 8F38 輸
2F9C3 衡	CJK COMPATIBILITY IDEOGRAPH-2F9C3 ≡ 8860 衡	2F9E0 達	CJK COMPATIBILITY IDEOGRAPH-2F9E0 ≡ 285D2 達
2F9C4 衣	CJK COMPATIBILITY IDEOGRAPH-2F9C4 ≡ 8863 衣	2F9E1 遷	CJK COMPATIBILITY IDEOGRAPH-2F9E1 ≡ 285ED 遷
2F9C5 衿	CJK COMPATIBILITY IDEOGRAPH-2F9C5 ≡ 27667 衿	2F9E2 邗	CJK COMPATIBILITY IDEOGRAPH-2F9E2 ≡ 9094 邗
2F9C6 梳	CJK COMPATIBILITY IDEOGRAPH-2F9C6 ≡ 88D7 梳	2F9E3 邗	CJK COMPATIBILITY IDEOGRAPH-2F9E3 ≡ 90F1 邗
2F9C7 祝	CJK COMPATIBILITY IDEOGRAPH-2F9C7 ≡ 88DE 祝	2F9E4 鄱	CJK COMPATIBILITY IDEOGRAPH-2F9E4 ≡ 9111 鄱
2F9C8 祿	CJK COMPATIBILITY IDEOGRAPH-2F9C8 ≡ 4635 祿	2F9E5 鄜	CJK COMPATIBILITY IDEOGRAPH-2F9E5 ≡ 2872E 鄜
2F9C9 襴	CJK COMPATIBILITY IDEOGRAPH-2F9C9 ≡ 88FA 襴	2F9E6 鄜	CJK COMPATIBILITY IDEOGRAPH-2F9E6 ≡ 911B 鄜
		2F9E7 鉞	CJK COMPATIBILITY IDEOGRAPH-2F9E7 ≡ 9238 鉞

2F9E8	銷	CJK COMPATIBILITY IDEOGRAPH-2F9E8 ≡ 92D7 銷	2FA07	駢	CJK COMPATIBILITY IDEOGRAPH-2FA07 ≡ 99FE 駢
2F9E9	鋏	CJK COMPATIBILITY IDEOGRAPH-2F9E9 ≡ 92D8 鋏	2FA08	幹	CJK COMPATIBILITY IDEOGRAPH-2FA08 ≡ 4BCE 幹
2F9EA	鉸	CJK COMPATIBILITY IDEOGRAPH-2F9EA ≡ 927C 鉸	2FA09	鬣	CJK COMPATIBILITY IDEOGRAPH-2FA09 ≡ 29B30 鬣
2F9EB	鏹	CJK COMPATIBILITY IDEOGRAPH-2F9EB ≡ 93F9 鏹	2FA0A	鬢	CJK COMPATIBILITY IDEOGRAPH-2FA0A ≡ 9B12 鬢
2F9EC	鐮	CJK COMPATIBILITY IDEOGRAPH-2F9EC ≡ 9415 鐮	2FA0B	鬣	CJK COMPATIBILITY IDEOGRAPH-2FA0B ≡ 9C40 鬣
2F9ED	鏢	CJK COMPATIBILITY IDEOGRAPH-2F9ED ≡ 28BFA 鏢	2FA0C	鴉	CJK COMPATIBILITY IDEOGRAPH-2FA0C ≡ 9CFD 鴉
2F9EE	開	CJK COMPATIBILITY IDEOGRAPH-2F9EE ≡ 958B 開	2FA0D	鴉	CJK COMPATIBILITY IDEOGRAPH-2FA0D ≡ 4CCE 鴉
2F9EF	開	CJK COMPATIBILITY IDEOGRAPH-2F9EF ≡ 4995 開	2FA0E	鴉	CJK COMPATIBILITY IDEOGRAPH-2FA0E ≡ 4CED 鴉
2F9F0	網	CJK COMPATIBILITY IDEOGRAPH-2F9F0 ≡ 95B7 網	2FA0F	鴉	CJK COMPATIBILITY IDEOGRAPH-2FA0F ≡ 9D67 鴉
2F9F1	闔	CJK COMPATIBILITY IDEOGRAPH-2F9F1 ≡ 28D77 闔	2FA10	鸚	CJK COMPATIBILITY IDEOGRAPH-2FA10 ≡ 2A0CE 鸚
2F9F2	隄	CJK COMPATIBILITY IDEOGRAPH-2F9F2 ≡ 49E6 隄	2FA11	鷹	CJK COMPATIBILITY IDEOGRAPH-2FA11 ≡ 4CF8 鷹
2F9F3	雁	CJK COMPATIBILITY IDEOGRAPH-2F9F3 ≡ 96C3 雁	2FA12	鸞	CJK COMPATIBILITY IDEOGRAPH-2FA12 ≡ 2A105 鸞
2F9F4	嵩	CJK COMPATIBILITY IDEOGRAPH-2F9F4 ≡ 5DB2 嵩	2FA13	鸞	CJK COMPATIBILITY IDEOGRAPH-2FA13 ≡ 2A20E 鸞
2F9F5	贛	CJK COMPATIBILITY IDEOGRAPH-2F9F5 ≡ 9723 贛	2FA14	麀	CJK COMPATIBILITY IDEOGRAPH-2FA14 ≡ 2A291 麀
2F9F6	霽	CJK COMPATIBILITY IDEOGRAPH-2F9F6 ≡ 29145 霽	2FA15	麻	CJK COMPATIBILITY IDEOGRAPH-2FA15 ≡ 9EBB 麻
2F9F7	𪗇	CJK COMPATIBILITY IDEOGRAPH-2F9F7 ≡ 2921A 𪗇	2FA16	繫	CJK COMPATIBILITY IDEOGRAPH-2FA16 ≡ 4D56 繫
2F9F8	鞞	CJK COMPATIBILITY IDEOGRAPH-2F9F8 ≡ 4A6E 鞞	2FA17	滂	CJK COMPATIBILITY IDEOGRAPH-2FA17 ≡ 9EF9 滂
2F9F9	鞞	CJK COMPATIBILITY IDEOGRAPH-2F9F9 ≡ 4A76 鞞	2FA18	鼃	CJK COMPATIBILITY IDEOGRAPH-2FA18 ≡ 9EFE 鼃
2F9FA	鞞	CJK COMPATIBILITY IDEOGRAPH-2F9FA ≡ 97E0 鞞	2FA19	鼃	CJK COMPATIBILITY IDEOGRAPH-2FA19 ≡ 9F05 鼃
2F9FB	𪗇	CJK COMPATIBILITY IDEOGRAPH-2F9FB ≡ 2940A 𪗇	2FA1A	鼎	CJK COMPATIBILITY IDEOGRAPH-2FA1A ≡ 9F0F 鼎
2F9FC	頤	CJK COMPATIBILITY IDEOGRAPH-2F9FC ≡ 4AB2 頤	2FA1B	鼃	CJK COMPATIBILITY IDEOGRAPH-2FA1B ≡ 9F16 鼃
2F9FD	頤	CJK COMPATIBILITY IDEOGRAPH-2F9FD ≡ 29496 頤	2FA1C	鼻	CJK COMPATIBILITY IDEOGRAPH-2FA1C ≡ 9F3B 鼻
2F9FE	頤	CJK COMPATIBILITY IDEOGRAPH-2F9FE ≡ 980B 頤	2FA1D	𪗇	CJK COMPATIBILITY IDEOGRAPH-2FA1D ≡ 2A600 𪗇
2F9FF	頤	CJK COMPATIBILITY IDEOGRAPH-2F9FF ≡ 980B 頤			
2FA00	頤	CJK COMPATIBILITY IDEOGRAPH-2FA00 ≡ 9829 頤			
2FA01	颯	CJK COMPATIBILITY IDEOGRAPH-2FA01 ≡ 295B6 颯			
2FA02	飢	CJK COMPATIBILITY IDEOGRAPH-2FA02 ≡ 98E2 飢			
2FA03	餽	CJK COMPATIBILITY IDEOGRAPH-2FA03 ≡ 4B33 餽			
2FA04	餵	CJK COMPATIBILITY IDEOGRAPH-2FA04 ≡ 9929 餵			
2FA05	馥	CJK COMPATIBILITY IDEOGRAPH-2FA05 ≡ 99A7 馥			
2FA06	馥	CJK COMPATIBILITY IDEOGRAPH-2FA06 ≡ 99C2 馥			
























































	E000	E001	E002	E003	E004	E005	E006	E007
0			 E0020	 E0030	 E0040	 E0050	 E0060	 E0070
1	 E0001		 E0021	 E0031	 E0041	 E0051	 E0061	 E0071
2			 E0022	 E0032	 E0042	 E0052	 E0062	 E0072
3			 E0023	 E0033	 E0043	 E0053	 E0063	 E0073
4			 E0024	 E0034	 E0044	 E0054	 E0064	 E0074
5			 E0025	 E0035	 E0045	 E0055	 E0065	 E0075
6			 E0026	 E0036	 E0046	 E0056	 E0066	 E0076
7			 E0027	 E0037	 E0047	 E0057	 E0067	 E0077
8			 E0028	 E0038	 E0048	 E0058	 E0068	 E0078
9			 E0029	 E0039	 E0049	 E0059	 E0069	 E0079
A			 E002A	 E003A	 E004A	 E005A	 E006A	 E007A
B			 E002B	 E003B	 E004B	 E005B	 E006B	 E007B
C			 E002C	 E003C	 E004C	 E005C	 E006C	 E007C
D			 E002D	 E003D	 E004D	 E005D	 E006D	 E007D
E			 E002E	 E003E	 E004E	 E005E	 E006E	 E007E
F			 E002F	 E003F	 E004F	 E005F	 E006F	 E007F










































Tag characters are deprecated, and their use is strongly discouraged.

### Tag identifiers

E0001  LANGUAGE TAG

### Tag components

E0020  TAG SPACE  
 E0021  TAG EXCLAMATION MARK  
 E0022  TAG QUOTATION MARK  
 E0023  TAG NUMBER SIGN  
 E0024  TAG DOLLAR SIGN  
 E0025  TAG PERCENT SIGN  
 E0026  TAG AMPERSAND  
 E0027  TAG APOSTROPHE  
 E0028  TAG LEFT PARENTHESIS  
 E0029  TAG RIGHT PARENTHESIS  
 E002A  TAG ASTERISK  
 E002B  TAG PLUS SIGN  
 E002C  TAG COMMA  
 E002D  TAG HYPHEN-MINUS  
 E002E  TAG FULL STOP  
 E002F  TAG SOLIDUS  
 E0030  TAG DIGIT ZERO  
 E0031  TAG DIGIT ONE  
 E0032  TAG DIGIT TWO  
 E0033  TAG DIGIT THREE  
 E0034  TAG DIGIT FOUR  
 E0035  TAG DIGIT FIVE  
 E0036  TAG DIGIT SIX  
 E0037  TAG DIGIT SEVEN  
 E0038  TAG DIGIT EIGHT  
 E0039  TAG DIGIT NINE  
 E003A  TAG COLON  
 E003B  TAG SEMICOLON  
 E003C  TAG LESS-THAN SIGN  
 E003D  TAG EQUALS SIGN  
 E003E  TAG GREATER-THAN SIGN  
 E003F  TAG QUESTION MARK  
 E0040  TAG COMMERCIAL AT  
 E0041  TAG LATIN CAPITAL LETTER A  
 E0042  TAG LATIN CAPITAL LETTER B  
 E0043  TAG LATIN CAPITAL LETTER C  
 E0044  TAG LATIN CAPITAL LETTER D  
 E0045  TAG LATIN CAPITAL LETTER E  
 E0046  TAG LATIN CAPITAL LETTER F  
 E0047  TAG LATIN CAPITAL LETTER G  
 E0048  TAG LATIN CAPITAL LETTER H  
 E0049  TAG LATIN CAPITAL LETTER I  
 E004A  TAG LATIN CAPITAL LETTER J  
 E004B  TAG LATIN CAPITAL LETTER K  
 E004C  TAG LATIN CAPITAL LETTER L  
 E004D  TAG LATIN CAPITAL LETTER M  
 E004E  TAG LATIN CAPITAL LETTER N  
 E004F  TAG LATIN CAPITAL LETTER O  
 E0050  TAG LATIN CAPITAL LETTER P  
 E0051  TAG LATIN CAPITAL LETTER Q  
 E0052  TAG LATIN CAPITAL LETTER R  
 E0053  TAG LATIN CAPITAL LETTER S  
 E0054  TAG LATIN CAPITAL LETTER T  
 E0055  TAG LATIN CAPITAL LETTER U  
 E0056  TAG LATIN CAPITAL LETTER V

E0057  TAG LATIN CAPITAL LETTER W  
 E0058  TAG LATIN CAPITAL LETTER X  
 E0059  TAG LATIN CAPITAL LETTER Y  
 E005A  TAG LATIN CAPITAL LETTER Z  
 E005B  TAG LEFT SQUARE BRACKET  
 E005C  TAG REVERSE SOLIDUS  
 E005D  TAG RIGHT SQUARE BRACKET  
 E005E  TAG CIRCUMFLEX ACCENT  
 E005F  TAG LOW LINE  
 E0060  TAG GRAVE ACCENT  
 E0061  TAG LATIN SMALL LETTER A  
 E0062  TAG LATIN SMALL LETTER B  
 E0063  TAG LATIN SMALL LETTER C  
 E0064  TAG LATIN SMALL LETTER D  
 E0065  TAG LATIN SMALL LETTER E  
 E0066  TAG LATIN SMALL LETTER F  
 E0067  TAG LATIN SMALL LETTER G  
 E0068  TAG LATIN SMALL LETTER H  
 E0069  TAG LATIN SMALL LETTER I  
 E006A  TAG LATIN SMALL LETTER J  
 E006B  TAG LATIN SMALL LETTER K  
 E006C  TAG LATIN SMALL LETTER L  
 E006D  TAG LATIN SMALL LETTER M  
 E006E  TAG LATIN SMALL LETTER N  
 E006F  TAG LATIN SMALL LETTER O  
 E0070  TAG LATIN SMALL LETTER P  
 E0071  TAG LATIN SMALL LETTER Q  
 E0072  TAG LATIN SMALL LETTER R  
 E0073  TAG LATIN SMALL LETTER S  
 E0074  TAG LATIN SMALL LETTER T  
 E0075  TAG LATIN SMALL LETTER U  
 E0076  TAG LATIN SMALL LETTER V  
 E0077  TAG LATIN SMALL LETTER W  
 E0078  TAG LATIN SMALL LETTER X  
 E0079  TAG LATIN SMALL LETTER Y  
 E007A  TAG LATIN SMALL LETTER Z  
 E007B  TAG LEFT CURLY BRACKET  
 E007C  TAG VERTICAL LINE  
 E007D  TAG RIGHT CURLY BRACKET  
 E007E  TAG TILDE  
 E007F  CANCEL TAG

	E010	E011	E012	E013	E014	E015	E016	E017	E018	E019	E01A	E01B	E01C	E01D	E01E
0	VS 17 E0100	VS 33 E0110	VS 49 E0120	VS 65 E0130	VS 81 E0140	VS 97 E0150	VS 113 E0160	VS 129 E0170	VS 145 E0180	VS 161 E0190	VS 177 E01A0	VS 193 E01B0	VS 209 E01C0	VS 225 E01D0	VS 241 E01E0
1	VS 18 E0101	VS 34 E0111	VS 50 E0121	VS 66 E0131	VS 82 E0141	VS 98 E0151	VS 114 E0161	VS 130 E0171	VS 146 E0181	VS 162 E0191	VS 178 E01A1	VS 194 E01B1	VS 210 E01C1	VS 226 E01D1	VS 242 E01E1
2	VS 19 E0102	VS 35 E0112	VS 51 E0122	VS 67 E0132	VS 83 E0142	VS 99 E0152	VS 115 E0162	VS 131 E0172	VS 147 E0182	VS 163 E0192	VS 179 E01A2	VS 195 E01B2	VS 211 E01C2	VS 227 E01D2	VS 243 E01E2
3	VS 20 E0103	VS 36 E0113	VS 52 E0123	VS 68 E0133	VS 84 E0143	VS 100 E0153	VS 116 E0163	VS 132 E0173	VS 148 E0183	VS 164 E0193	VS 180 E01A3	VS 196 E01B3	VS 212 E01C3	VS 228 E01D3	VS 244 E01E3
4	VS 21 E0104	VS 37 E0114	VS 53 E0124	VS 69 E0134	VS 85 E0144	VS 101 E0154	VS 117 E0164	VS 133 E0174	VS 149 E0184	VS 165 E0194	VS 181 E01A4	VS 197 E01B4	VS 213 E01C4	VS 229 E01D4	VS 245 E01E4
5	VS 22 E0105	VS 38 E0115	VS 54 E0125	VS 70 E0135	VS 86 E0145	VS 102 E0155	VS 118 E0165	VS 134 E0175	VS 150 E0185	VS 166 E0195	VS 182 E01A5	VS 198 E01B5	VS 214 E01C5	VS 230 E01D5	VS 246 E01E5
6	VS 23 E0106	VS 39 E0116	VS 55 E0126	VS 71 E0136	VS 87 E0146	VS 103 E0156	VS 119 E0166	VS 135 E0176	VS 151 E0186	VS 167 E0196	VS 183 E01A6	VS 199 E01B6	VS 215 E01C6	VS 231 E01D6	VS 247 E01E6
7	VS 24 E0107	VS 40 E0117	VS 56 E0127	VS 72 E0137	VS 88 E0147	VS 104 E0157	VS 120 E0167	VS 136 E0177	VS 152 E0187	VS 168 E0197	VS 184 E01A7	VS 200 E01B7	VS 216 E01C7	VS 232 E01D7	VS 248 E01E7
8	VS 25 E0108	VS 41 E0118	VS 57 E0128	VS 73 E0138	VS 89 E0148	VS 105 E0158	VS 121 E0168	VS 137 E0178	VS 153 E0188	VS 169 E0198	VS 185 E01A8	VS 201 E01B8	VS 217 E01C8	VS 233 E01D8	VS 249 E01E8
9	VS 26 E0109	VS 42 E0119	VS 58 E0129	VS 74 E0139	VS 90 E0149	VS 106 E0159	VS 122 E0169	VS 138 E0179	VS 154 E0189	VS 170 E0199	VS 186 E01A9	VS 202 E01B9	VS 218 E01C9	VS 234 E01D9	VS 250 E01E9
A	VS 27 E010A	VS 43 E011A	VS 59 E012A	VS 75 E013A	VS 91 E014A	VS 107 E015A	VS 123 E016A	VS 139 E017A	VS 155 E018A	VS 171 E019A	VS 187 E01AA	VS 203 E01BA	VS 219 E01CA	VS 235 E01DA	VS 251 E01EA
B	VS 28 E010B	VS 44 E011B	VS 60 E012B	VS 76 E013B	VS 92 E014B	VS 108 E015B	VS 124 E016B	VS 140 E017B	VS 156 E018B	VS 172 E019B	VS 188 E01AB	VS 204 E01BB	VS 220 E01CB	VS 236 E01DB	VS 252 E01EB
C	VS 29 E010C	VS 45 E011C	VS 61 E012C	VS 77 E013C	VS 93 E014C	VS 109 E015C	VS 125 E016C	VS 141 E017C	VS 157 E018C	VS 173 E019C	VS 189 E01AC	VS 205 E01BC	VS 221 E01CC	VS 237 E01DC	VS 253 E01EC
D	VS 30 E010D	VS 46 E011D	VS 62 E012D	VS 78 E013D	VS 94 E014D	VS 110 E015D	VS 126 E016D	VS 142 E017D	VS 158 E018D	VS 174 E019D	VS 190 E01AD	VS 206 E01BD	VS 222 E01CD	VS 238 E01DD	VS 254 E01ED
E	VS 31 E010E	VS 47 E011E	VS 63 E012E	VS 79 E013E	VS 95 E014E	VS 111 E015E	VS 127 E016E	VS 143 E017E	VS 159 E018E	VS 175 E019E	VS 191 E01AE	VS 207 E01BE	VS 223 E01CE	VS 239 E01DE	VS 255 E01EE
F	VS 32 E010F	VS 48 E011F	VS 64 E012F	VS 80 E013F	VS 96 E014F	VS 112 E015F	VS 128 E016F	VS 144 E017F	VS 160 E018F	VS 176 E019F	VS 192 E01AF	VS 208 E01BF	VS 224 E01CF	VS 240 E01DF	VS 256 E01EF

These complete the set started at FE00 to FE0F

### Variation selectors

E0100	<small>VS 17</small>	VARIATION SELECTOR-17
		• these are abbreviated VS17, and so on
E0101	<small>VS 18</small>	VARIATION SELECTOR-18
E0102	<small>VS 19</small>	VARIATION SELECTOR-19
E0103	<small>VS 20</small>	VARIATION SELECTOR-20
E0104	<small>VS 21</small>	VARIATION SELECTOR-21
E0105	<small>VS 22</small>	VARIATION SELECTOR-22
E0106	<small>VS 23</small>	VARIATION SELECTOR-23
E0107	<small>VS 24</small>	VARIATION SELECTOR-24
E0108	<small>VS 25</small>	VARIATION SELECTOR-25
E0109	<small>VS 26</small>	VARIATION SELECTOR-26
E010A	<small>VS 27</small>	VARIATION SELECTOR-27
E010B	<small>VS 28</small>	VARIATION SELECTOR-28
E010C	<small>VS 29</small>	VARIATION SELECTOR-29
E010D	<small>VS 30</small>	VARIATION SELECTOR-30
E010E	<small>VS 31</small>	VARIATION SELECTOR-31
E010F	<small>VS 32</small>	VARIATION SELECTOR-32
E0110	<small>VS 33</small>	VARIATION SELECTOR-33
E0111	<small>VS 34</small>	VARIATION SELECTOR-34
E0112	<small>VS 35</small>	VARIATION SELECTOR-35
E0113	<small>VS 36</small>	VARIATION SELECTOR-36
E0114	<small>VS 37</small>	VARIATION SELECTOR-37
E0115	<small>VS 38</small>	VARIATION SELECTOR-38
E0116	<small>VS 39</small>	VARIATION SELECTOR-39
E0117	<small>VS 40</small>	VARIATION SELECTOR-40
E0118	<small>VS 41</small>	VARIATION SELECTOR-41
E0119	<small>VS 42</small>	VARIATION SELECTOR-42
E011A	<small>VS 43</small>	VARIATION SELECTOR-43
E011B	<small>VS 44</small>	VARIATION SELECTOR-44
E011C	<small>VS 45</small>	VARIATION SELECTOR-45
E011D	<small>VS 46</small>	VARIATION SELECTOR-46
E011E	<small>VS 47</small>	VARIATION SELECTOR-47
E011F	<small>VS 48</small>	VARIATION SELECTOR-48
E0120	<small>VS 49</small>	VARIATION SELECTOR-49
E0121	<small>VS 50</small>	VARIATION SELECTOR-50
E0122	<small>VS 51</small>	VARIATION SELECTOR-51
E0123	<small>VS 52</small>	VARIATION SELECTOR-52
E0124	<small>VS 53</small>	VARIATION SELECTOR-53
E0125	<small>VS 54</small>	VARIATION SELECTOR-54
E0126	<small>VS 55</small>	VARIATION SELECTOR-55
E0127	<small>VS 56</small>	VARIATION SELECTOR-56
E0128	<small>VS 57</small>	VARIATION SELECTOR-57
E0129	<small>VS 58</small>	VARIATION SELECTOR-58
E012A	<small>VS 59</small>	VARIATION SELECTOR-59
E012B	<small>VS 60</small>	VARIATION SELECTOR-60
E012C	<small>VS 61</small>	VARIATION SELECTOR-61
E012D	<small>VS 62</small>	VARIATION SELECTOR-62
E012E	<small>VS 63</small>	VARIATION SELECTOR-63
E012F	<small>VS 64</small>	VARIATION SELECTOR-64
E0130	<small>VS 65</small>	VARIATION SELECTOR-65
E0131	<small>VS 66</small>	VARIATION SELECTOR-66
E0132	<small>VS 67</small>	VARIATION SELECTOR-67
E0133	<small>VS 68</small>	VARIATION SELECTOR-68
E0134	<small>VS 69</small>	VARIATION SELECTOR-69
E0135	<small>VS 70</small>	VARIATION SELECTOR-70
E0136	<small>VS 71</small>	VARIATION SELECTOR-71
E0137	<small>VS 72</small>	VARIATION SELECTOR-72
E0138	<small>VS 73</small>	VARIATION SELECTOR-73

E0139	<small>VS 74</small>	VARIATION SELECTOR-74
E013A	<small>VS 75</small>	VARIATION SELECTOR-75
E013B	<small>VS 76</small>	VARIATION SELECTOR-76
E013C	<small>VS 77</small>	VARIATION SELECTOR-77
E013D	<small>VS 78</small>	VARIATION SELECTOR-78
E013E	<small>VS 79</small>	VARIATION SELECTOR-79
E013F	<small>VS 80</small>	VARIATION SELECTOR-80
E0140	<small>VS 81</small>	VARIATION SELECTOR-81
E0141	<small>VS 82</small>	VARIATION SELECTOR-82
E0142	<small>VS 83</small>	VARIATION SELECTOR-83
E0143	<small>VS 84</small>	VARIATION SELECTOR-84
E0144	<small>VS 85</small>	VARIATION SELECTOR-85
E0145	<small>VS 86</small>	VARIATION SELECTOR-86
E0146	<small>VS 87</small>	VARIATION SELECTOR-87
E0147	<small>VS 88</small>	VARIATION SELECTOR-88
E0148	<small>VS 89</small>	VARIATION SELECTOR-89
E0149	<small>VS 90</small>	VARIATION SELECTOR-90
E014A	<small>VS 91</small>	VARIATION SELECTOR-91
E014B	<small>VS 92</small>	VARIATION SELECTOR-92
E014C	<small>VS 93</small>	VARIATION SELECTOR-93
E014D	<small>VS 94</small>	VARIATION SELECTOR-94
E014E	<small>VS 95</small>	VARIATION SELECTOR-95
E014F	<small>VS 96</small>	VARIATION SELECTOR-96
E0150	<small>VS 97</small>	VARIATION SELECTOR-97
E0151	<small>VS 98</small>	VARIATION SELECTOR-98
E0152	<small>VS 99</small>	VARIATION SELECTOR-99
E0153	<small>VS 100</small>	VARIATION SELECTOR-100
E0154	<small>VS 101</small>	VARIATION SELECTOR-101
E0155	<small>VS 102</small>	VARIATION SELECTOR-102
E0156	<small>VS 103</small>	VARIATION SELECTOR-103
E0157	<small>VS 104</small>	VARIATION SELECTOR-104
E0158	<small>VS 105</small>	VARIATION SELECTOR-105
E0159	<small>VS 106</small>	VARIATION SELECTOR-106
E015A	<small>VS 107</small>	VARIATION SELECTOR-107
E015B	<small>VS 108</small>	VARIATION SELECTOR-108
E015C	<small>VS 109</small>	VARIATION SELECTOR-109
E015D	<small>VS 110</small>	VARIATION SELECTOR-110
E015E	<small>VS 111</small>	VARIATION SELECTOR-111
E015F	<small>VS 112</small>	VARIATION SELECTOR-112
E0160	<small>VS 113</small>	VARIATION SELECTOR-113
E0161	<small>VS 114</small>	VARIATION SELECTOR-114
E0162	<small>VS 115</small>	VARIATION SELECTOR-115
E0163	<small>VS 116</small>	VARIATION SELECTOR-116
E0164	<small>VS 117</small>	VARIATION SELECTOR-117
E0165	<small>VS 118</small>	VARIATION SELECTOR-118
E0166	<small>VS 119</small>	VARIATION SELECTOR-119
E0167	<small>VS 120</small>	VARIATION SELECTOR-120
E0168	<small>VS 121</small>	VARIATION SELECTOR-121
E0169	<small>VS 122</small>	VARIATION SELECTOR-122
E016A	<small>VS 123</small>	VARIATION SELECTOR-123
E016B	<small>VS 124</small>	VARIATION SELECTOR-124
E016C	<small>VS 125</small>	VARIATION SELECTOR-125
E016D	<small>VS 126</small>	VARIATION SELECTOR-126
E016E	<small>VS 127</small>	VARIATION SELECTOR-127
E016F	<small>VS 128</small>	VARIATION SELECTOR-128
E0170	<small>VS 129</small>	VARIATION SELECTOR-129
E0171	<small>VS 130</small>	VARIATION SELECTOR-130
E0172	<small>VS 131</small>	VARIATION SELECTOR-131
E0173	<small>VS 132</small>	VARIATION SELECTOR-132
E0174	<small>VS 133</small>	VARIATION SELECTOR-133
E0175	<small>VS 134</small>	VARIATION SELECTOR-134

E0176	VS 135	VARIATION SELECTOR-135	E01B3	VS 196	VARIATION SELECTOR-196
E0177	VS 136	VARIATION SELECTOR-136	E01B4	VS 197	VARIATION SELECTOR-197
E0178	VS 137	VARIATION SELECTOR-137	E01B5	VS 198	VARIATION SELECTOR-198
E0179	VS 138	VARIATION SELECTOR-138	E01B6	VS 199	VARIATION SELECTOR-199
E017A	VS 139	VARIATION SELECTOR-139	E01B7	VS 200	VARIATION SELECTOR-200
E017B	VS 140	VARIATION SELECTOR-140	E01B8	VS 201	VARIATION SELECTOR-201
E017C	VS 141	VARIATION SELECTOR-141	E01B9	VS 202	VARIATION SELECTOR-202
E017D	VS 142	VARIATION SELECTOR-142	E01BA	VS 203	VARIATION SELECTOR-203
E017E	VS 143	VARIATION SELECTOR-143	E01BB	VS 204	VARIATION SELECTOR-204
E017F	VS 144	VARIATION SELECTOR-144	E01BC	VS 205	VARIATION SELECTOR-205
E0180	VS 145	VARIATION SELECTOR-145	E01BD	VS 206	VARIATION SELECTOR-206
E0181	VS 146	VARIATION SELECTOR-146	E01BE	VS 207	VARIATION SELECTOR-207
E0182	VS 147	VARIATION SELECTOR-147	E01BF	VS 208	VARIATION SELECTOR-208
E0183	VS 148	VARIATION SELECTOR-148	E01C0	VS 209	VARIATION SELECTOR-209
E0184	VS 149	VARIATION SELECTOR-149	E01C1	VS 210	VARIATION SELECTOR-210
E0185	VS 150	VARIATION SELECTOR-150	E01C2	VS 211	VARIATION SELECTOR-211
E0186	VS 151	VARIATION SELECTOR-151	E01C3	VS 212	VARIATION SELECTOR-212
E0187	VS 152	VARIATION SELECTOR-152	E01C4	VS 213	VARIATION SELECTOR-213
E0188	VS 153	VARIATION SELECTOR-153	E01C5	VS 214	VARIATION SELECTOR-214
E0189	VS 154	VARIATION SELECTOR-154	E01C6	VS 215	VARIATION SELECTOR-215
E018A	VS 155	VARIATION SELECTOR-155	E01C7	VS 216	VARIATION SELECTOR-216
E018B	VS 156	VARIATION SELECTOR-156	E01C8	VS 217	VARIATION SELECTOR-217
E018C	VS 157	VARIATION SELECTOR-157	E01C9	VS 218	VARIATION SELECTOR-218
E018D	VS 158	VARIATION SELECTOR-158	E01CA	VS 219	VARIATION SELECTOR-219
E018E	VS 159	VARIATION SELECTOR-159	E01CB	VS 220	VARIATION SELECTOR-220
E018F	VS 160	VARIATION SELECTOR-160	E01CC	VS 221	VARIATION SELECTOR-221
E0190	VS 161	VARIATION SELECTOR-161	E01CD	VS 222	VARIATION SELECTOR-222
E0191	VS 162	VARIATION SELECTOR-162	E01CE	VS 223	VARIATION SELECTOR-223
E0192	VS 163	VARIATION SELECTOR-163	E01CF	VS 224	VARIATION SELECTOR-224
E0193	VS 164	VARIATION SELECTOR-164	E01D0	VS 225	VARIATION SELECTOR-225
E0194	VS 165	VARIATION SELECTOR-165	E01D1	VS 226	VARIATION SELECTOR-226
E0195	VS 166	VARIATION SELECTOR-166	E01D2	VS 227	VARIATION SELECTOR-227
E0196	VS 167	VARIATION SELECTOR-167	E01D3	VS 228	VARIATION SELECTOR-228
E0197	VS 168	VARIATION SELECTOR-168	E01D4	VS 229	VARIATION SELECTOR-229
E0198	VS 169	VARIATION SELECTOR-169	E01D5	VS 230	VARIATION SELECTOR-230
E0199	VS 170	VARIATION SELECTOR-170	E01D6	VS 231	VARIATION SELECTOR-231
E019A	VS 171	VARIATION SELECTOR-171	E01D7	VS 232	VARIATION SELECTOR-232
E019B	VS 172	VARIATION SELECTOR-172	E01D8	VS 233	VARIATION SELECTOR-233
E019C	VS 173	VARIATION SELECTOR-173	E01D9	VS 234	VARIATION SELECTOR-234
E019D	VS 174	VARIATION SELECTOR-174	E01DA	VS 235	VARIATION SELECTOR-235
E019E	VS 175	VARIATION SELECTOR-175	E01DB	VS 236	VARIATION SELECTOR-236
E019F	VS 176	VARIATION SELECTOR-176	E01DC	VS 237	VARIATION SELECTOR-237
E01A0	VS 177	VARIATION SELECTOR-177	E01DD	VS 238	VARIATION SELECTOR-238
E01A1	VS 178	VARIATION SELECTOR-178	E01DE	VS 239	VARIATION SELECTOR-239
E01A2	VS 179	VARIATION SELECTOR-179	E01DF	VS 240	VARIATION SELECTOR-240
E01A3	VS 180	VARIATION SELECTOR-180	E01E0	VS 241	VARIATION SELECTOR-241
E01A4	VS 181	VARIATION SELECTOR-181	E01E1	VS 242	VARIATION SELECTOR-242
E01A5	VS 182	VARIATION SELECTOR-182	E01E2	VS 243	VARIATION SELECTOR-243
E01A6	VS 183	VARIATION SELECTOR-183	E01E3	VS 244	VARIATION SELECTOR-244
E01A7	VS 184	VARIATION SELECTOR-184	E01E4	VS 245	VARIATION SELECTOR-245
E01A8	VS 185	VARIATION SELECTOR-185	E01E5	VS 246	VARIATION SELECTOR-246
E01A9	VS 186	VARIATION SELECTOR-186	E01E6	VS 247	VARIATION SELECTOR-247
E01AA	VS 187	VARIATION SELECTOR-187	E01E7	VS 248	VARIATION SELECTOR-248
E01AB	VS 188	VARIATION SELECTOR-188	E01E8	VS 249	VARIATION SELECTOR-249
E01AC	VS 189	VARIATION SELECTOR-189	E01E9	VS 250	VARIATION SELECTOR-250
E01AD	VS 190	VARIATION SELECTOR-190	E01EA	VS 251	VARIATION SELECTOR-251
E01AE	VS 191	VARIATION SELECTOR-191	E01EB	VS 252	VARIATION SELECTOR-252
E01AF	VS 192	VARIATION SELECTOR-192	E01EC	VS 253	VARIATION SELECTOR-253
E01B0	VS 193	VARIATION SELECTOR-193	E01ED	VS 254	VARIATION SELECTOR-254
E01B1	VS 194	VARIATION SELECTOR-194	E01EE	VS 255	VARIATION SELECTOR-255
E01B2	VS 195	VARIATION SELECTOR-195	E01EF	VS 256	VARIATION SELECTOR-256