

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

LATIN CAPITAL LETTER L uni004C	L	L	L	L	L
LATIN CAPITAL LETTER M uni004D	M	M	M	Μ	M
LATIN CAPITAL LETTER N uni004E	Ν	N	N	N	N
LATIN CAPITAL LETTER O uni004F	0	Ο	O	0	0
LATIN CAPITAL LETTER P uni0050	Р	P	P	P	P
LATIN CAPITAL LETTER Q uni0051	Q	Q	Q	Q	Q
LATIN CAPITAL LETTER R uni0052	R	R	R	R	R
LATIN CAPITAL LETTER S uni0053	S	S	S	S	s
LATIN CAPITAL LETTER T uni0054	Т	T	T	Т	T
LATIN CAPITAL LETTER U uni0055	U	U	U	U	U
LATIN CAPITAL LETTER V uni0056	V	V	V	V	V
LATIN CAPITAL LETTER W uni0057	VV	W	W	W	W
LATIN CAPITAL LETTER X uni0058	X	X	X	X	X
LATIN CAPITAL LETTER Y uni0059	Y	Y	Y	Y	Y
LATIN CAPITAL LETTER Z uni005A	Z	Z	Z	Z	Z
LEFT SQUARE BRACKET uni005B	[[[[I
REVERSE SOLIDUS uni005C	\	١	\	1	١
RIGHT SQUARE BRACKET uni005D]]	1]	1
CIRCUMFLEX ACCENT uni005E	^	٨	٨	٨	Λ
LOW LINE uni005F	_	_	_	_	_
GRAVE ACCENT uni0060		`	`	`	`
LATIN SMALL LETTER A uni0061	а	a	a	а	a
LATIN SMALL LETTER B uni0062	b	b	b	Ь	b
LATIN SMALL LETTER C uni0063	С	С	С	С	c
LATIN SMALL LETTER D uni0064	d	d	d	d	d
LATIN SMALL LETTER E uni0065	е	е	e	е	e
LATIN SMALL LETTER F uni0066	f	f	f	f	f
LATIN SMALL LETTER G uni0067	g	g	g	g	g

LATIN SMALL LETTER H uni0068	h	h	h	h	h
LATIN SMALL LETTER I uni0069	i	i	i	i	i
LATIN SMALL LETTER J uni006A	j	j	j	j	j
LATIN SMALL LETTER K uni006B	k	k	k	k	k
LATIN SMALL LETTER L uni006C		1	1	1	1
LATIN SMALL LETTER M uni006D	m	m	m	m	m
LATIN SMALL LETTER N uni006E	n	n	n	n	n
LATIN SMALL LETTER O uni006F	0	0	o	0	o
LATIN SMALL LETTER P uni0070	р	р	р	р	p
LATIN SMALL LETTER Q uni0071	q	q	q	q	q
LATIN SMALL LETTER R uni0072	r	r	r	r	r
LATIN SMALL LETTER S uni0073	S	S	s	s	s
LATIN SMALL LETTER T uni0074	t	t	t	t	t
LATIN SMALL LETTER U uni0075	U	u	u	u	u
LATIN SMALL LETTER V uni0076	V	v	v	V	v
LATIN SMALL LETTER W uni0077	VV	w	w	W	w
LATIN SMALL LETTER X uni0078	X	X	x	X	X
LATIN SMALL LETTER Y uni0079	У	У	У	У	У
LATIN SMALL LETTER Z uni007A	Z	Z	z	Z	Z
LEFT CURLY BRACKET uni007B	{	{	{	{	{
VERTICAL LINE uni007C		I	I	1	1
RIGHT CURLY BRACKET uni007D	}	}	}	}	}
TILDE uni007E	~	~	~	~	~
uni007F					
NO-BREAK SPACE uni00A0					
INVERTED EXCLAMATION MARK uni00A1	i	i	i	i	i
CENT SIGN uni00A2	¢	¢	¢	¢	¢
POUND SIGN uni00A3	£	£	£	£	£

CURRENCY SIGN uni00A4	¤	¤	¤	¤	¤
YEN SIGN uni00A5	¥	¥	¥	¥	¥
BROKEN BAR uni00A6	I	I I	1	1	!
SECTION SIGN uni00A7	§	§	§	§	Ş
DIAERESIS uni00A8					
COPYRIGHT SIGN uni00A9	©	©	©	©	©
FEMININE ORDINAL INDICATOR uni00AA	<u>a</u>	a	a	а	а
LEFT-POINTING DOUBLE ANGLE QUOTATION MARK uni00AB	<<	«	«	«	«
NOT SIGN uni00AC	_	_	7	7	7
SOFT HYPHEN uni00AD					
REGISTERED SIGN uni00AE	R	®	R	®	R
MACRON uni00AF	-	_	_	_	_
DEGREE SIGN uni00B0	0	0	o	0	0
PLUS-MINUS SIGN uni00B1	±	±	±	±	±
SUPERSCRIPT TWO uni00B2	2	2	2	2	2
SUPERSCRIPT THREE uni00B3	3	3	3	3	3
ACUTE ACCENT uni00B4	/	,	,	,	,
MICRO SIGN uni00B5	μ	μ	μ	μ	μ
PILCROW SIGN uni00B6	¶	1	¶	¶	¶
MIDDLE DOT uni00B7			•		•
CEDILLA uni00B8	٦	5	5	5	و
SUPERSCRIPT ONE uni00B9	1	1	1	1	1
MASCULINE ORDINAL INDICATOR uni00BA	0	0	o	0	o
RIGHT-POINTING DOUBLE ANGLE QUOTATION MARK uni00BB	>>	>>	»	<i>>></i>	»
VULGAR FRACTION ONE QUARTER uni00BC	1/4	1/4	1/4	1/4	1/4
VULGAR FRACTION ONE HALF uni00BD	1/2	1/2	1/2	1/2	1/2
VULGAR FRACTION THREE QUARTERS uni00BE	3/4	3/4	3/4	3/4	3/4
INVERTED QUESTION MARK uni00BF	خ	ડ	ડ	ટ	ં

_	À	À	À	À	À
<u>=</u>)					
Ē 1	Á	Á	Á	Á	Á
Κ 2	Â	Â	Â	Â	Â
Ξ 3	Ã	Ã	Ã	Ã	Ã
5 4	Ä	Ä	Ä	Ä	Ä
Ē	Å	Å	Å	Å	Å
<u>=</u>	Æ	Æ	Æ	Æ	Æ
A 7	Ç	Ç	Ç	Ç	Ç
<u>=</u> 3	È	È	È	È	È
Ξ 9	É	É	É	É	É
Κ	Ê	Ê	Ê	Ê	Ê
S 3	Ë	Ë	Ë	Ë	Ë
E C	Ì	Ì	Ì	Ì	Ì
Ē	ĺ	Í	Í	Í	Í
K E	Î	Î	Î	Î	Î
S F	Ϊ	Ϊ	Ï	Ϊ	Ϊ
H O	Đ	Đ	Đ	Đ	Đ
≣ 1	Ñ	Ñ	Ñ	Ñ	Ñ
Ē 2	Ò	Ò	Ò	Ò	Ò
≣ 3	Ó	Ó	Ó	Ó	Ó
Κ 4	Ô	Ô	ô	Ô	ô
Ē	Õ	Õ	Õ	Õ	Õ
5	Ö	Ö	Ö	Ö	Ö
N 7	×	×	×	×	×
Ξ 3	Ø	Ø	Ø	Ø	Ø
≣ 9	Ù	Ù	Ù	Ù	Ù
Ē A	Ú	Ú	Ú	Ú	Ú
<					

LATIN CAPITAL LETTER A WITH GRAVE uni00C0

LATIN CAPITAL LETTER A WITH ACUTE uni00C1

LATIN CAPITAL LETTER A WITH CIRCUMFLEX uni00C2

LATIN CAPITAL LETTER A WITH TILDE

LATIN CAPITAL LETTER A WITH DIAERESIS uni00C4

LATIN CAPITAL LETTER A WITH RING ABOVE uni00C5

LATIN CAPITAL LETTER AE uni00C6

LATIN CAPITAL LETTER C WITH CEDILLA uni00C7

LATIN CAPITAL LETTER E WITH GRAVE uni00C8

LATIN CAPITAL LETTER E WITH ACUTE uni00C9

LATIN CAPITAL LETTER E WITH CIRCUMFLEX uni00CA

LATIN CAPITAL LETTER E WITH DIAERESIS uni00CB

LATIN CAPITAL LETTER I WITH GRAVE uni00CC

LATIN CAPITAL LETTER I WITH ACUTE uni00CD

LATIN CAPITAL LETTER I WITH CIRCUMFLEX uni00CE

LATIN CAPITAL LETTER I WITH DIAERESIS uni00CF

LATIN CAPITAL LETTER ETH uni00D0

LATIN CAPITAL LETTER N WITH TILDE uni00D1

LATIN CAPITAL LETTER O WITH GRAVE uni00D2

LATIN CAPITAL LETTER O WITH ACUTE uni00D3

LATIN CAPITAL LETTER O WITH CIRCUMFLEX uni00D4

LATIN CAPITAL LETTER O WITH TILDE uni00D5

LATIN CAPITAL LETTER O WITH DIAERESIS

MULTIPLICATION SIGN uni00D7

LATIN CAPITAL LETTER O WITH STROKE uni00D8

LATIN CAPITAL LETTER U WITH GRAVE uni00D9

LATIN CAPITAL LETTER U WITH ACUTE uni00DA

LATIN CAPITAL LETTER U WITH CIRCUMFLEX

uni00DB	Û	Û	Û	Û	Û
LATIN CAPITAL LETTER U WITH DIAERESIS uni00DC	Ü	Ü	Ü	Ü	Ü
LATIN CAPITAL LETTER Y WITH ACUTE uni00DD	Ý	Ý	Ý	Ý	Ý
LATIN CAPITAL LETTER THORN uni00DE	Þ	Þ	Þ	Þ	Þ
LATIN SMALL LETTER SHARP S uni00DF	ß	ß	ß	В	В
LATIN SMALL LETTER A WITH GRAVE uni00E0	à	à	à	à	à
LATIN SMALL LETTER A WITH ACUTE uni00E1	á	á	á	á	á
LATIN SMALL LETTER A WITH CIRCUMFLEX uni00E2	â	â	â	â	â
LATIN SMALL LETTER A WITH TILDE uni00E3	ã	ã	ã	ã	ã
LATIN SMALL LETTER A WITH DIAERESIS uni00E4	ä	ä	ä	ä	ä
LATIN SMALL LETTER A WITH RING ABOVE uni00E5	å	å	å	å	å
LATIN SMALL LETTER AE uni00E6	æ	æ	æ	æ	æ
LATIN SMALL LETTER C WITH CEDILLA uni00E7	Ç	ç	ç	Ç	Ç
LATIN SMALL LETTER E WITH GRAVE uni00E8	è	è	è	è	è
LATIN SMALL LETTER E WITH ACUTE uni00E9	é	é	é	é	é
LATIN SMALL LETTER E WITH CIRCUMFLEX uni00EA	ê	ê	ê	ê	ê
LATIN SMALL LETTER E WITH DIAERESIS uni00EB	ë	ë	ë	ë	ë
LATIN SMALL LETTER I WITH GRAVE uni00EC	Ì	ì	ì	ì	ì
LATIN SMALL LETTER I WITH ACUTE uni00ED	ĺ	í	í	í	í
LATIN SMALL LETTER I WITH CIRCUMFLEX uni00EE	Î	î	î	î	î
LATIN SMALL LETTER I WITH DIAERESIS uni00EF	Ϊ	ï	ï	Ï	ï
LATIN SMALL LETTER ETH uni00F0	ð	ð	ð	ð	ð
LATIN SMALL LETTER N WITH TILDE uni00F1	ñ	ñ	ñ	ñ	ñ
LATIN SMALL LETTER O WITH GRAVE uni00F2	Ò	ò	ò	ò	ò
LATIN SMALL LETTER O WITH ACUTE uni00F3	Ó	ó	ó	ó	Ó
LATIN SMALL LETTER O WITH CIRCUMFLEX uni00F4	ô ~	ô	ô	ô	ô
LATIN SMALL LETTER O WITH TILDE uni00F5	Ö	õ	õ	õ	õ
LATIN SMALL LETTER O WITH DIAERESIS uni00F6	0	Ö	Ö	Ö	Ö

DIVISION SIGN uni00F7	÷	÷	÷	÷	÷
LATIN SMALL LETTER O WITH STROKE uni00F8	Ø	Ø	Ø	Ø	ø
LATIN SMALL LETTER U WITH GRAVE uni00F9	ù	ù	ù	ù	ù
LATIN SMALL LETTER U WITH ACUTE uni00FA	ú	ú	ú	ú	ú
LATIN SMALL LETTER U WITH CIRCUMFLEX uni00FB	û	û	û	û	û
LATIN SMALL LETTER U WITH DIAERESIS uni00FC	ü	ü	ü	ü	ü
LATIN SMALL LETTER Y WITH ACUTE uni00FD	ý	ý	ý	ý	ý
LATIN SMALL LETTER THORN uni00FE	þ	þ	þ	þ	þ
LATIN SMALL LETTER Y WITH DIAERESIS uni00FF	ÿ	ÿ	ÿ	ÿ	ÿ
LATIN SMALL LETTER DOTLESS I uni0131	1	1	1	1	1
LATIN CAPITAL LIGATURE OE uni0152	Œ	Œ	Œ	Œ	Œ
LATIN SMALL LIGATURE OE uni0153	œ	œ	œ	œ	æ
LATIN CAPITAL LETTER S WITH CARON uni0160	Š	Š	Š	Š	š
LATIN SMALL LETTER S WITH CARON uni0161	Š	š	š	š	š
LATIN CAPITAL LETTER Y WITH DIAERESIS uni0178	Ÿ	Ÿ	Ÿ	Ÿ	\ddot{Y}
LATIN CAPITAL LETTER Z WITH CARON uni017D	Ž	Ž	Ž	Ž	ž
LATIN SMALL LETTER Z WITH CARON uni017E	ž	ž	ž	ž	ž
LATIN SMALL LETTER F WITH HOOK uni0192	f	f	f	f	f
MODIFIER LETTER CIRCUMFLEX ACCENT uni02C6	^	^	^	^	^
CARON uni02C7	~	•	•	~	~
RING ABOVE uni02DA	0	o	o	۰	0
SMALL TILDE uni02DC	~	~	~	~	~
THAI CHARACTER KO KAI uni0E01		ก	ก	ก	ก
THAI CHARACTER KHO KHAI uni0E02		ข	ข	ข	ข
THAI CHARACTER KHO KHUAT uni0E03		ฃ	ซ	ซ	ซ
THAI CHARACTER KHO KHWAI uni0E04		Ø	ด	ด	ด
THAI CHARACTER KHO KHON uni0E05		Ø	ิต	Ø	ด
THAI CHARACTER KHO RAKHANG uni0E06		រា	ฆ	ฆ	ฆ
THAI CHARACTER NGO NGU					

uni0E07		v	o	υ	υ
THAI CHARACTER CHO CHAN uni0E08		จ	จ	ข	จ
THAI CHARACTER CHO CHING		ฉ	ฉ	ฉ	ฉ
uni0E09					
THAI CHARACTER CHO CHANG uni0E0A	Ш	ช	ช	ช	ช
THAI CHARACTER SO SO uni0E0B		ซ	ซ	ซ	ซ
THAI CHARACTER CHO CHOE uni0E0C		ນ	ນ	ນ	ຎ
THAI CHARACTER YO YING uni0E0D		ល្ង	ល្ង	ល្ង	លូ
THAI CHARACTER DO CHADA uni0E0E		ນ	ນ	Д	Ŋ
THAI CHARACTER TO PATAK uni0E0F		ນ	ນ	Д	ற
THAI CHARACTER THO THAN uni0E10		ច្ឆ	ຼສ	ភ្ជ	ភ្ល
THAI CHARACTER THO NANGMONTHO uni0E11		n	n	n	n
THAI CHARACTER THO PHUTHAO uni0E12		മ	ໝ	മ	മ
THAI CHARACTER NO NEN uni0E13		ณ	ณ	ณ	ณ
THAI CHARACTER DO DEK uni0E14		ด	ด	ด	ด
THAI CHARACTER TO TAO uni0E15		Ø	ឲា	О	Ø
THAI CHARACTER THO THUNG uni0E16		ก	ก	ก	ก
THAI CHARACTER THO THAHAN uni0E17		n	n	n	n
THAI CHARACTER THO THONG uni0E18		ฮ	ຽ	ຽ	5
THAI CHARACTER NO NU uni0E19		u	u	и	u
THAI CHARACTER BO BAIMAI uni0E1A		U	υ	U	U
THAI CHARACTER PO PLA uni0E1B		ป	ป	ป	ป
THAI CHARACTER PHO PHUNG uni0E1C		W	W	ω	ω
THAI CHARACTER FO FA uni0E1D		W	d	Ы	ω
THAI CHARACTER PHO PHAN uni0E1E		W	W	W	w
THAI CHARACTER FO FAN uni0E1F		ฟ	ฟ	ฟ	W
THAI CHARACTER PHO SAMPHAO uni0E20		ภ	ภ	ก	ภ
THAI CHARACTER MO MA uni0E21		ນ	ນ	ມ	ມ
THAI CHARACTER YO YAK uni0E22		ខ	ខ	ย	ខ

THAI CHARACTER RO RUA uni0E23		5	5	5	5
THAI CHARACTER RU uni0E24		η	η	η	η
THAI CHARACTER LO LING uni0E25		a	a	а	a
THAI CHARACTER LU uni0E26		ฦ	η	η	η
THAI CHARACTER WO WAEN uni0E27		Э	Э	Э	Э
THAI CHARACTER SO SALA uni0E28		ศ	ศ	ศ	ศ
THAI CHARACTER SO RUSI uni0E29		¥	ម	¥	¥
THAI CHARACTER SO SUA uni0E2A		ส	ส	ส	ส
THAI CHARACTER HO HIP uni0E2B		n	n	n	n
THAI CHARACTER LO CHULA uni0E2C		ฬ	ฬ	ฬ	ฬ
THAI CHARACTER O ANG uni0E2D		б	б	ð	б
THAI CHARACTER HO NOKHUK uni0E2E		ฮ	ฮ	Ø	ฮ
THAI CHARACTER PAIYANNOI uni0E2F		។	។	ч	ч
THAI CHARACTER SARA A uni0E30		ະ	ະ	ä	ε
THAI CHARACTER MAI HAN-AKAT uni0E31					
THAI CHARACTER SARA AA uni0E32		1	า	7	า
THAI CHARACTER SARA AM uni0E33		ຳ	ำ	ำ	ำ
THAI CHARACTER SARA I uni0E34					
THAI CHARACTER SARA II uni0E35					
THAI CHARACTER SARA UE uni0E36					
THAI CHARACTER SARA UEE uni0E37					
THAI CHARACTER SARA U uni0E38					
THAI CHARACTER SARA UU uni0E39					
THAI CHARACTER PHINTHU uni0E3A					
THAI CURRENCY SYMBOL BAHT uni0E3F	₿	₿	₿	₿	₿
THAI CHARACTER SARA E uni0E40		Į	ι	I	I
THAI CHARACTER SARA AE uni0E41		II	u	II	II
THAI CHARACTER SARA O uni0E42		ĺ	ĩ	Ĩ	ĩ

THAI CHARACTER SARA AI MAIMUAN uni0E43	l	ใ	1	7
	Ţ	7	7	7
THAI CHARACTER SARA AI MAIMALAI uni0E44				
THAI CHARACTER LAKKHANGYAO uni0E45	1	1	7	7
THAI CHARACTER MAIYAMOK uni0E46	ŋ	ŋ	ŋ	7
THAI CHARACTER MAITAIKHU uni0E47				
THAI CHARACTER MAI EK uni0E48				
THAI CHARACTER MAI THO uni0E49				
THAI CHARACTER MAI TRI uni0E4A				
THAI CHARACTER MAI CHATTAWA uni0E4B				
THAI CHARACTER THANTHAKHAT uni0E4C				
THAI CHARACTER NIKHAHIT uni0E4D				
THAI CHARACTER YAMAKKAN uni0E4E				
THAI CHARACTER FONGMAN uni0E4F	•	•	•	•
THAI DIGIT ZERO uni0E50	О	o	o	o
THAI DIGIT ONE uni0E51	0	9	0	9
THAI DIGIT TWO uni0E52	р	ဖြ	ල	b
THAI DIGIT THREE uni0E53	c	c)	Ø	Ŋ
THAI DIGIT FOUR uni0E54	لا	હ	ď	ď
THAI DIGIT FIVE uni0E55	æ	æ	æ	æ
THAI DIGIT SIX uni0E56	b	ъ	Ъ	ь
THAI DIGIT SEVEN uni0E57	ପ	ପ	as	വ
THAI DIGIT EIGHT uni0E58	๘	๘	ದ	ದ
THAI DIGIT NINE uni0E59	α	જ	αť	Ø
THAI CHARACTER ANGKHANKHU uni0E5A	๚	๚	IJ	๚
THAI CHARACTER KHOMUT uni0E5B	Cm	Cm	Cm	Cm
ZERO WIDTH SPACE uni200B				
EN DACH				

EN DASH

uni2013	-	_	-	_	_
	_	_	_	_	_
EM DASH uni2014					
LEFT SINGLE QUOTATION MARK uni2018	1	6	6	6	6
RIGHT SINGLE QUOTATION MARK uni2019	7	,	,	,	,
SINGLE LOW-9 QUOTATION MARK uni201A	,	,	,	,	,
LEFT DOUBLE QUOTATION MARK uni201C	11	"	"	"	"
RIGHT DOUBLE QUOTATION MARK uni201D	"	"	,,	,,	,,
DOUBLE LOW-9 QUOTATION MARK uni201E	"	,,	,,	,,	"
DAGGER uni2020	†	†	†	†	†
DOUBLE DAGGER uni2021	‡	‡	‡	‡	‡
BULLET uni2022	•	•	•	•	•
HORIZONTAL ELLIPSIS uni2026			•••	•••	•••
PER MILLE SIGN uni2030	%00	‰	‰	‰	‰
SINGLE LEFT-POINTING ANGLE QUOTATION MARK uni2039	<	<	‹	<	‹
SINGLE RIGHT-POINTING ANGLE QUOTATION MARK uni203A	>	>	>	>	>
EURO SIGN uni20AC	€	€	€	€	€
TRADE MARK SIGN uni2122	TM	TM	TM	TM	TM
BULLET OPERATOR uni2219	•		•		•
DOTTED CIRCLE uni25CC		0	ं	0	0
WHITE BULLET uni25E6	0	۰	۰	o	o
■					

•



