

The Ysabeau font^{*}package

Noel Merino Hernández

muxkernel at gmail dot com

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Abstract

The Ysabeau font package provides \LaTeX support for traditional \TeX engines ($\text{\texttt{PDF}\TeX}$, $\text{\texttt{dvips}}$, an so on).¹ For $\text{\texttt{X}\TeX}$ and $\text{\texttt{Lua}\TeX}$ users, OpenType and TrueType fonts are *only* provided to use with `fontspec` package. This package does not provide configuration files for those \TeX engines.

1 Introduction

On github, we can read:

Ysabeau is a free type family developed by Christian Thalmann (Catharsis Fonts). It combines the time-honored and supremely readable letterforms of the Garamond legacy with the clean crispness of a low-contrast sans serif, rendering it well suited for body copy as well as display.

Ysabeau font was drawn from scratch by Christian Thalmann, using the comercial font editor Glyphs, but was distributed under SIL open font license. Previously known as “Eua de Garamond”, the typeface was later renamed after Ysabeau, the second wife of Claude Garamond (1499–1561). In the end, it’s just another Garamond typeface in sans serif form living out there.

2 Document license

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^{*}version font: 2.002

¹ For shapes and weights, see § 7, page 3.

3 Interference with other packages

The Ysabeau font package load automatically the following packages: `fontenc`, `textcomp`, `xstring`, `ifthen`, `scalefnt`, `etoolbox`, `xkeyval`, `mweights` and `fontaxes`. If you want to pass some options a these packages, just do it *before* to use the Ysabeau font package. Example:

```
\usepackage[T2A,LGR,TS1,T1]{fontenc} % load before Ysabeau
\usepackage[full]{textcomp} % load before Ysabeau
\usepackage[osf,scsf]{ysabeau}
```

4 Usage

Just add `\usepackage{ysabeau}` at the preamble of your document. That's it!

5 Package options

Table 1: Package options

Option	Example or description	Render as
<code>scale o scaled</code>	<code>\usepackage[scale=0.9]{ysabeau}</code>	
<code>lining, lf or LF</code>	it will use lining figures	12345
<code>oldstyle, osf or OSF*</code>	it will use oldstyle figures	12345
<code>tabular, t or T</code>	it will use tabular figures	12345
<code>proportional, p or P*</code>	it will use proportional figures	
<code>mainfont</code>	it will use Ysabeau font (<code>\rmfamily</code>) by default	
<code>scsf</code>	it will use oldstyle figures in small caps block	xvii–xviii
<code>black</code>	it will use black font (<code>\bfseries</code>)	black
<code>extrabold</code>	it will use extrabold font (<code>\bfseries</code>)	extrabold
<code>bold*</code>	it will use bold font (<code>\bfseries</code>)	bold
<code>semibold</code>	it will use semibold font (<code>\bfseries</code>)	semibold
<code>medium¹</code>	it will use medium font (<code>\mdseries</code>)	
<code>regular*</code>	it will use regular font (<code>\mdseries</code>)	regular
<code>light</code>	it will use light font (<code>\mdseries</code>)	light
<code>extralight</code>	it will use extralight font (<code>\mdseries</code>)	extralight
<code>thin</code>	it will use thin font (<code>\mdseries</code>)	thin
<code>hairline</code>	it will use hairline font (<code>\mdseries</code>)	hairline

* default. ¹ a bit heavier than regular.

6 Font encodings

Table 2: Font encodings

Language	Encodings
Vietnamese	T5
Afrikaans	T4
IPA	TS3, T3
Latin	QX, CS, L7X, LY1, OT1, TS1, T1
Cyrillic	T2C, T2B, T2A
Greek	LGR

7 Shapes and weights

Table 3: Shapes

Shape	Render as
n	Romans
it	<i>Italics</i>
sw	<i>ct, fi, fl, rt, sp, &, Q</i>
sc	SMALL CAPS

Table 4: Weights

Weight	Render as
Hairline	Hairline
Thin	Thin
Extralight	Extralight
Light	Light
Regular	Regular
Medium ¹	
Semibold	Semibold
Bold	Bold
Extrabold	Extrabold
Black	Black

¹ a bit heavier than regular.

The following commands and declarations (Table 5) are provided *just* for local use (weights), regardless of the options chosen in the package.

Table 5: Commands and declarations for weights

Weight	Command	Declaration	Render as
Hairline	<code>\hairline{}</code>	<code>\hairlinefont</code>	Hairline
Thin	<code>\thin{}</code>	<code>\thinfont</code>	Thin
Extralight	<code>\extralight{}</code>	<code>\extralightfont</code>	Extralight
Light	<code>\light{}</code>	<code>\lightfont</code>	light
Semibold	<code>\semibold{}</code>	<code>\semiboldfont</code>	Semibold
Bold	<code>\bold{}</code>	<code>\boldfont</code>	Bold
Extrabold	<code>\extrabold{}</code>	<code>\extraboldfont</code>	Extrabold
Black	<code>\black{}</code>	<code>\blackfont</code>	Black

8 Figures

See also package options (§ 5, page 2) for figures. The following commands and declarations (Table 6) are provided *just* for local use, regardless of the options chosen in the package.

Table 6: Figures

Command	Declaration	Render as
<code>\textlf{}</code>	<code>\lfstyle</code>	1234567890
<code>\liningnums{}</code>	<code>\lfstyle</code>	1234567890
<code>\texttlf{}</code>	<code>\tlfstyle</code>	1234567890
<code>\tabularliningnums{}</code>	<code>\tlfstyle</code>	1234567890
<code>\textosf{}</code>	<code>\osfstyle</code>	1234567890
<code>\oldstylenums{}</code>	<code>\osfstyle</code>	1234567890
<code>\texttosf{}</code>	<code>\tosfstyle</code>	1234567890
<code>\tabularoldstylenums{}</code>	<code>\tosfstyle</code>	1234567890

8.1 Superiors

Table 7: Superiors

Command	Declarations	Render as
<code>\textsu{}</code>	<code>\supfigures</code> or <code>\supstyle</code>	1234567890
<code>\textsup{}</code>	<code>\supfigures</code> or <code>\supstyle</code>	1234567890
<code>\textsuperior{}</code>	<code>\supfigures</code> or <code>\supstyle</code>	1234567890
<code>\supscript{}</code>	<code>\supfigures</code> or <code>\supstyle</code>	1234567890

8.2 Numerators

Table 8: Numerators

Command	Declarations	Render as
<code>\textnum{}</code>	<code>\numfigures</code> or <code>\numstyle</code>	1234567890
<code>\textnumerators{}</code>	<code>\numfigures</code> or <code>\numstyle</code>	1234567890

NOTE: superiors and numerators are different: a¹b.

8.3 Denominators

Table 9: Denominators

Command	Declarations	Render as
<code>\textde{}</code>	<code>\denfigures</code> or <code>\denstyle</code>	1234567890
<code>\textden{}</code>	<code>\denfigures</code> or <code>\denstyle</code>	1234567890
<code>\textdenominators{}</code>	<code>\denfigures</code> or <code>\denstyle</code>	1234567890

8.4 Inferiors

Table 10: Inferiors

Command	Declarations	Render as
<code>\textinf{}</code>	<code>\inffigures</code> or <code>\infstyle</code>	1234567890
<code>\textinferior{}</code>	<code>\inffigures</code> or <code>\infstyle</code>	1234567890
<code>\subscript{}</code>	<code>\inffigures</code> or <code>\infstyle</code>	1234567890

NOTE: denominators and inferiors are different: a_1b .

9 ^{Text}/_{fractions}

Table 11: ^{Text}/_{fractions}

Command or declaration	Render as
<code>\textfrac[1]{1}{2}</code>	1½
<code>\textfrac{1}{2}</code>	½
<code>\onequarter</code>	¼
<code>\onehalf</code>	½
<code>\threequarters</code>	¾

10 Concluding remarks

To use Ysabeau fonts, just add the line

```
\usepackage{ysabeau}
```

at the preamble of your document. That's it.

The Ysabeau fonts were created to Adobe PostScript (type1) using `cfftot1`; \LaTeX files support were created with `autoinst`, wrapper of `LCDF TypeTools` suite. This package would not exist without the help of \TeX h4ck3rs: Marc Penninga (`autoinst`) and Eddie Kohler (`LCDF TypeTools`). Thank you so much guys.

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11 Glyphs

11.1 QX

	ˆ0	ˆ1	ˆ2	ˆ3	ˆ4	ˆ5	ˆ6	ˆ7	
ˆ00x	α _o	Δ ₁	β ₂	δ ₃	π ₄	Π ₅	Σ ₆	μ ₇	ˆ0x
ˆ01x	... ₈	fk ₉	Ω ₁₀	ff ₁₁	fi ₁₂	fl ₁₃	ffl ₁₄	fb ₁₅	
ˆ02x	l ₁₆	j ₁₇	` ₁₈	' ₁₉	˘ ₂₀	˙ ₂₁	- ₂₂	° ₂₃	ˆ1x
ˆ03x	˘ ₂₄	ß ₂₅	æ ₂₆	œ ₂₇	ø ₂₈	Æ ₂₉	Œ ₃₀	Ø ₃₁	
ˆ04x	₃₂	! ₃₃	" ₃₄	# ₃₅	\$ ₃₆	% ₃₇	& ₃₈	' ₃₉	ˆ2x
ˆ05x	(₄₀)	)₄₁	* ₄₂	+ ₄₃	, ₄₄	- ₄₅	• ₄₆	/ ₄₇	
ˆ06x	0 ₄₈	1 ₄₉	2 ₅₀	3 ₅₁	4 ₅₂	5 ₅₃	6 ₅₄	7 ₅₅	ˆ3x
ˆ07x	8 ₅₆	9 ₅₇	: ₅₈	; ₅₉	i ₆₀	= ₆₁	¿ ₆₂	? ₆₃	
ˆ10x	@ ₆₄	A ₆₅	B ₆₆	C ₆₇	D ₆₈	E ₆₉	F ₇₀	G ₇₁	ˆ4x
ˆ11x	H ₇₂	I ₇₃	J ₇₄	K ₇₅	L ₇₆	M ₇₇	N ₇₈	O ₇₉	
ˆ12x	P ₈₀	Q ₈₁	R ₈₂	S ₈₃	T ₈₄	U ₈₅	V ₈₆	W ₈₇	ˆ5x
ˆ13x	X ₈₈	Y ₈₉	Z ₉₀	[₉₁	" ₉₂	]₉₃	^ ₉₄	• ₉₅	
ˆ14x	' ₉₆	a ₉₇	b ₉₈	c ₉₉	d ₁₀₀	e ₁₀₁	f ₁₀₂	g ₁₀₃	ˆ6x
ˆ15x	h ₁₀₄	i ₁₀₅	j ₁₀₆	k ₁₀₇	l ₁₀₈	m ₁₀₉	n ₁₁₀	o ₁₁₁	
ˆ16x	p ₁₁₂	q ₁₁₃	r ₁₁₄	s ₁₁₅	t ₁₁₆	u ₁₁₇	v ₁₁₈	w ₁₁₉	ˆ7x
ˆ17x	x ₁₂₀	y ₁₂₁	z ₁₂₂	- ₁₂₃	— ₁₂₄	" ₁₂₅	~ ₁₂₆	… ₁₂₇	
ˆ20x	€ ₁₂₈	À ₁₂₉	Ć ₁₃₀	> ₁₃₁	≥ ₁₃₂	≈ ₁₃₃	£ ₁₃₄	ł ₁₃₅	ˆ8x
ˆ21x	< ₁₃₆	≤ ₁₃₇	Ł ₁₃₈	Ń ₁₃₉	~ ₁₄₀	^ ₁₄₁	fh ₁₄₂	† ₁₄₃	
ˆ22x	‡ ₁₄₄	Š ₁₄₅	Š ₁₄₆	Ş ₁₄₇	° ₁₄₈	Ţ ₁₄₉	„ ₁₅₀	Ů ₁₅₁	ˆ9x
ˆ23x	ÿ ₁₅₂	Ž ₁₅₃	Ž ₁₅₄	Ž ₁₅₅	Ů ₁₅₆	{ ₁₅₇	} ₁₅₈	§ ₁₅₉	
ˆ24x	ff ₁₆₀	ą ₁₆₁	ć ₁₆₂	® ₁₆₃	© ₁₆₄	÷ ₁₆₅	ę ₁₆₆	ı ₁₆₇	ˆAx
ˆ25x	— ₁₆₈	× ₁₆₉	ł ₁₇₀	ń ₁₇₁	± ₁₇₂	∞ ₁₇₃	« ₁₇₄	» ₁₇₅	
ˆ26x	ŕ ₁₇₆	ś ₁₇₇	š ₁₇₈	ş ₁₇₉	• ₁₈₀	ţ ₁₈₁	— ₁₈₂	ŭ ₁₈₃	ˆBx
ˆ27x	ÿ ₁₈₄	ž ₁₈₅	ž ₁₈₆	ž ₁₈₇	ij ₁₈₈	• ₁₈₉	" ₁₉₀	' ₁₉₁	
ˆ30x	À ₁₉₂	Á ₁₉₃	Â ₁₉₄	Ã ₁₉₅	Ä ₁₉₆	Å ₁₉₇	\ ₁₉₈	Ç ₁₉₉	ˆCx
ˆ31x	È ₂₀₀	É ₂₀₁	Ê ₂₀₂	Ë ₂₀₃	Ì ₂₀₄	Í ₂₀₅	Î ₂₀₆	Ï ₂₀₇	
ˆ32x	Đ ₂₀₈	Ñ ₂₀₉	Ò ₂₁₀	Ó ₂₁₁	Ô ₂₁₂	Õ ₂₁₃	Ö ₂₁₄	Ŕ ₂₁₅	ˆDx
ˆ33x	‰ ₂₁₆	Ù ₂₁₇	Ú ₂₁₈	Û ₂₁₉	Ü ₂₂₀	Ý ₂₂₁	Þ ₂₂₂	|₂₂₃	
ˆ34x	à ₂₂₄	á ₂₂₅	â ₂₂₆	ã ₂₂₇	ä ₂₂₈	å ₂₂₉	— ₂₃₀	ç ₂₃₁	ˆEx
ˆ35x	è ₂₃₂	é ₂₃₃	ê ₂₃₄	ë ₂₃₅	ì ₂₃₆	í ₂₃₇	î ₂₃₈	ï ₂₃₉	

<i>36x</i>	š ₂₄₀	ñ ₂₄₁	ò ₂₄₂	ó ₂₄₃	ô ₂₄₄	õ ₂₄₅	ö ₂₄₆	ſ ₂₄₇	~Fx
<i>37x</i>	fk ₂₄₈	ù ₂₄₉	ú ₂₅₀	û ₂₅₁	ü ₂₅₂	ý ₂₅₃	þ ₂₅₄	„ ₂₅₅	
	~8	~9	~A	~B	~C	~D	~E	~F	

11.2 L7X

	<i>0</i>	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	
<i>00x</i>	` ₀	´ ₁	^ ₂	~ ₃	¨ ₄	” ₅	° ₆	ˇ ₇	~0x
<i>01x</i>	˘ ₈	¯ ₉	˙ ₁₀	˚ ₁₁	¸ ₁₂	, ₁₃	< ₁₄	> ₁₅	
<i>02x</i>	“ ₁₆	” ₁₇	„ ₁₈	« ₁₉	» ₂₀	— ₂₁	— ₂₂	₂₃	~1x
<i>03x</i>	o ₂₄	l ₂₅	j ₂₆	₂₇	fi ₂₈	fl ₂₉	₃₀	₃₁	
<i>04x</i>	₃₂	! ₃₃	" ₃₄	# ₃₅	\$ ₃₆	% ₃₇	& ₃₈	' ₃₉	~2x
<i>05x</i>	(₄₀)	)₄₁	* ₄₂	+ ₄₃	, ₄₄	- ₄₅	• ₄₆	/ ₄₇	
<i>06x</i>	0 ₄₈	1 ₄₉	2 ₅₀	3 ₅₁	4 ₅₂	5 ₅₃	6 ₅₄	7 ₅₅	~3x
<i>07x</i>	8 ₅₆	9 ₅₇	: ₅₈	; ₅₉	< ₆₀	= ₆₁	> ₆₂	? ₆₃	
<i>10x</i>	@ ₆₄	A ₆₅	B ₆₆	C ₆₇	D ₆₈	E ₆₉	F ₇₀	G ₇₁	~4x
<i>11x</i>	H ₇₂	I ₇₃	J ₇₄	K ₇₅	L ₇₆	M ₇₇	N ₇₈	O ₇₉	
<i>12x</i>	P ₈₀	Q ₈₁	R ₈₂	S ₈₃	T ₈₄	U ₈₅	V ₈₆	W ₈₇	~5x
<i>13x</i>	X ₈₈	Y ₈₉	Z ₉₀	[₉₁	\ ₉₂	]₉₃	^ ₉₄	_ ₉₅	
<i>14x</i>	' ₉₆	a ₉₇	b ₉₈	c ₉₉	d ₁₀₀	e ₁₀₁	f ₁₀₂	g ₁₀₃	~6x
<i>15x</i>	h ₁₀₄	i ₁₀₅	j ₁₀₆	k ₁₀₇	l ₁₀₈	m ₁₀₉	n ₁₁₀	o ₁₁₁	
<i>16x</i>	p ₁₁₂	q ₁₁₃	r ₁₁₄	s ₁₁₅	t ₁₁₆	u ₁₁₇	v ₁₁₈	w ₁₁₉	~7x
<i>17x</i>	x ₁₂₀	y ₁₂₁	z ₁₂₂	{ ₁₂₃	|₁₂₄	} ₁₂₅	~ ₁₂₆	ff ₁₂₇	
<i>20x</i>	€ ₁₂₈	ffi ₁₂₉	ffl ₁₃₀	f ₁₃₁	fb ₁₃₂	... ₁₃₃	† ₁₃₄	‡ ₁₃₅	~8x
<i>21x</i>	fh ₁₃₆	%o ₁₃₇	fj ₁₃₈	fk ₁₃₉	CE ₁₄₀	ft ₁₄₁	ffb ₁₄₂	ffh ₁₄₃	
<i>22x</i>	ffj ₁₄₄	ffk ₁₄₅	fft ₁₄₆	₁₄₇	₁₄₈	• ₁₄₉	₁₅₀	₁₅₁	~9x
<i>23x</i>	₁₅₂	™ ₁₅₃	₁₅₄	₁₅₅	œ ₁₅₆	₁₅₇	₁₅₈	₁₅₉	
<i>24x</i>	₁₆₀	₁₆₁	¢ ₁₆₂	£ ₁₆₃	¤ ₁₆₄	₁₆₅	¦ ₁₆₆	§ ₁₆₇	~Ax
<i>25x</i>	Ø ₁₆₈	© ₁₆₉	Ŕ ₁₇₀	₁₇₁	¬ ₁₇₂	- ₁₇₃	® ₁₇₄	Æ ₁₇₅	
<i>26x</i>	° ₁₇₆	± ₁₇₇	² ₁₇₈	³ ₁₇₉	₁₈₀	μ ₁₈₁	¶ ₁₈₂	· ₁₈₃	~Bx
<i>27x</i>	ø ₁₈₄	¹ ₁₈₅	ŕ ₁₈₆	₁₈₇	¼ ₁₈₈	½ ₁₈₉	¾ ₁₉₀	æ ₁₉₁	
<i>30x</i>	Å ₁₉₂	Ĳ ₁₉₃	Ā ₁₉₄	Ć ₁₉₅	Ä ₁₉₆	Ħ ₁₉₇	Ė ₁₉₈	Ē ₁₉₉	~Cx
<i>31x</i>	Č ₂₀₀	É ₂₀₁	Ž ₂₀₂	È ₂₀₃	Ġ ₂₀₄	Ķ ₂₀₅	Ī ₂₀₆	Ĺ ₂₀₇	
<i>32x</i>	Š ₂₀₈	Ň ₂₀₉	Ŋ ₂₁₀	Ó ₂₁₁	Ō ₂₁₂	Ȯ ₂₁₃	Ö ₂₁₄	× ₂₁₅	~Dx
<i>33x</i>	Ů ₂₁₆	Ł ₂₁₇	Ś ₂₁₈	Ū ₂₁₉	Ü ₂₂₀	Ž ₂₂₁	Ž ₂₂₂	ß ₂₂₃	

'34x	ǻ ²²⁴	ǿ ²²⁵	ā ²²⁶	ć ²²⁷	ä ²²⁸	å ²²⁹	ę ²³⁰	ē ²³¹	~Ex
'35x	č ²³²	é ²³³	ž ²³⁴	è ²³⁵	ġ ²³⁶	ķ ²³⁷	ī ²³⁸	ĵ ²³⁹	
'36x	š ²⁴⁰	ń ²⁴¹	ŋ ²⁴²	ó ²⁴³	ō ²⁴⁴	õ ²⁴⁵	ö ²⁴⁶	÷ ²⁴⁷	~Fx
'37x	ų ²⁴⁸	ł ²⁴⁹	ś ²⁵⁰	ū ²⁵¹	ü ²⁵²	ž ²⁵³	ž̇ ²⁵⁴	²⁵⁵	
	˜8	˜9	˜A	˜B	˜C	˜D	˜E	˜F	

11.3 CS

	'0	'1	'2	'3	'4	'5	'6	'7	
'00x	Γ _o	Δ ₁	Θ ₂	Λ ₃	Ξ ₄	Π ₅	Σ ₆	Υ ₇	~0x
'01x	Φ ₈	Ψ ₉	Ω ₁₀	ŀ ₁₁	fi ₁₂	fl ₁₃	fl ₁₄	fl ₁₅	
'02x	l ₁₆	j ₁₇	` ₁₈	' ₁₉	˘ ₂₀	˙ ₂₁	- ₂₂	° ₂₃	~1x
'03x	ı ₂₄	ß ₂₅	æ ₂₆	œ ₂₇	ø ₂₈	Æ ₂₉	Œ ₃₀	Ø ₃₁	
'04x	₃₂	! ₃₃	" ₃₄	# ₃₅	\$ ₃₆	% ₃₇	& ₃₈	' ₃₉	~2x
'05x	(₄₀)	)₄₁	* ₄₂	+ ₄₃	, ₄₄	- ₄₅	. ₄₆	/ ₄₇	
'06x	0 ₄₈	1 ₄₉	2 ₅₀	3 ₅₁	4 ₅₂	5 ₅₃	6 ₅₄	7 ₅₅	~3x
'07x	8 ₅₆	9 ₅₇	: ₅₈	; ₅₉	i ₆₀	= ₆₁	¿ ₆₂	? ₆₃	
'10x	@ ₆₄	A ₆₅	B ₆₆	C ₆₇	D ₆₈	E ₆₉	F ₇₀	G ₇₁	~4x
'11x	H ₇₂	I ₇₃	J ₇₄	K ₇₅	L ₇₆	M ₇₇	N ₇₈	O ₇₉	
'12x	P ₈₀	Q ₈₁	R ₈₂	S ₈₃	T ₈₄	U ₈₅	V ₈₆	W ₈₇	~5x
'13x	X ₈₈	Y ₈₉	Z ₉₀	[₉₁	\ ₉₂	]₉₃	^ ₉₄	· ₉₅	
'14x	' ₉₆	a ₉₇	b ₉₈	c ₉₉	d ₁₀₀	e ₁₀₁	f ₁₀₂	g ₁₀₃	~6x
'15x	h ₁₀₄	i ₁₀₅	j ₁₀₆	k ₁₀₇	l ₁₀₈	m ₁₀₉	n ₁₁₀	o ₁₁₁	
'16x	p ₁₁₂	q ₁₁₃	r ₁₁₄	s ₁₁₅	t ₁₁₆	u ₁₁₇	v ₁₁₈	w ₁₁₉	~7x
'17x	x ₁₂₀	y ₁₂₁	z ₁₂₂	- ₁₂₃	— ₁₂₄	" ₁₂₅	~ ₁₂₆	¨ ₁₂₇	
'20x	... ₁₂₈	† ₁₂₉	‡ ₁₃₀	• ₁₃₁	£ ₁₃₂	¶ ₁₃₃	€ ₁₃₄	ff ₁₃₅	~8x
'21x	™ ₁₃₆	© ₁₃₇	® ₁₃₈	ff ₁₃₉	ff ₁₄₀	‰ ₁₄₁	< ₁₄₂	> ₁₄₃	
'22x	fb ₁₄₄	fh ₁₄₅	fj ₁₄₆	fk ₁₄₇	ft ₁₄₈	fl ₁₄₉	ffb ₁₅₀	f ₁₅₁	~9x
'23x	À ₁₅₂	ffh ₁₅₃	, ₁₅₄	ffj ₁₅₅	- ₁₅₆	ç ₁₅₇	« ₁₅₈	» ₁₅₉	
'24x	ffk ₁₆₀	À ₁₆₁	ff ₁₆₂	Ł ₁₆₃	ŕ ₁₆₄	Ł ₁₆₅	Š ₁₆₆	Š ₁₆₇	~Ax
'25x	fb ₁₆₈	Š ₁₆₉	Š ₁₇₀	ř ₁₇₁	Ž ₁₇₂	fh ₁₇₃	ž ₁₇₄	ž ₁₇₅	
'26x	° ₁₇₆	ǻ ₁₇₇	fi ₁₇₈	ł ₁₇₉	lj ₁₈₀	l' ₁₈₁	ś ₁₈₂	> ₁₈₃	~Bx
'27x	à ₁₈₄	š ₁₈₅	š ₁₈₆	ł ₁₈₇	ž ₁₈₈	ž ₁₈₉	ž ₁₉₀	ž ₁₉₁	
'30x	Ř ₁₉₂	Á ₁₉₃	Â ₁₉₄	Ǻ ₁₉₅	Ä ₁₉₆	Ĺ ₁₉₇	Ć ₁₉₈	Ç ₁₉₉	~Cx
'31x	Č ₂₀₀	É ₂₀₁	Ę ₂₀₂	Ě ₂₀₃	Ě ₂₀₄	Í ₂₀₅	Î ₂₀₆	Ď ₂₀₇	

<i>32x</i>	Đ ₂₀₈	Ń ₂₀₉	Ň ₂₁₀	Ó ₂₁₁	Ô ₂₁₂	Õ ₂₁₃	Ö ₂₁₄	× ₂₁₅	~Dx
<i>33x</i>	Ř ₂₁₆	Ů ₂₁₇	Ú ₂₁₈	Ů ₂₁₉	Ü ₂₂₀	Ý ₂₂₁	Ť ₂₂₂	< ₂₂₃	
<i>34x</i>	í ₂₂₄	á ₂₂₅	â ₂₂₆	ă ₂₂₇	ä ₂₂₈	Í ₂₂₉	ć ₂₃₀	ç ₂₃₁	~Ex
<i>35x</i>	č ₂₃₂	é ₂₃₃	ę ₂₃₄	ě ₂₃₅	ě ₂₃₆	í ₂₃₇	î ₂₃₈	d' ₂₃₉	
<i>36x</i>	ď ₂₄₀	ń ₂₄₁	ň ₂₄₂	ó ₂₄₃	ô ₂₄₄	õ ₂₄₅	ö ₂₄₆	÷ ₂₄₇	~Fx
<i>37x</i>	ř ₂₄₈	ů ₂₄₉	ú ₂₅₀	ű ₂₅₁	ü ₂₅₂	ý ₂₅₃	„ ₂₅₄	“ ₂₅₅	
	˜8	˜9	˜A	˜B	˜C	˜D	˜E	˜F	

11.4 LGR

	0	1	2	3	4	5	6	7	
<i>00x</i>	— ₀	1	2	3	4	5	6	7	~0x
<i>01x</i>	8	9	10	11	A ₁₂	ÿ ₁₃	α ₁₄	ü ₁₅	
<i>02x</i>	16	17	18	19	20	21	22	23	~1x
<i>03x</i>	€ ₂₄	% ₂₅	ə ₂₆	27	‘ ₂₈	’ ₂₉	˘ ₃₀	– ₃₁	
<i>04x</i>	32	! ₃₃	.. ₃₄	“ ₃₅	36	% ₃₇	• ₃₈	’ ₃₉	~2x
<i>05x</i>	(₄₀)	)₄₁	* ₄₂	+ ₄₃	, ₄₄	– ₄₅	• ₄₆	/ ₄₇	
<i>06x</i>	0 ₄₈	1 ₄₉	2 ₅₀	3 ₅₁	4 ₅₂	5 ₅₃	6 ₅₄	7 ₅₅	~3x
<i>07x</i>	8 ₅₆	9 ₅₇	: ₅₈	· ₅₉	60	= ₆₁	62	; ₆₃	
<i>10x</i>	64	A ₆₅	B ₆₆	67	Δ ₆₈	E ₆₉	Φ ₇₀	Γ ₇₁	~4x
<i>11x</i>	H ₇₂	I ₇₃	Θ ₇₄	K ₇₅	Λ ₇₆	M ₇₇	N ₇₈	O ₇₉	
<i>12x</i>	Π ₈₀	X ₈₁	P ₈₂	Σ ₈₃	T ₈₄	Y ₈₅	86	Ω ₈₇	~5x
<i>13x</i>	≡ ₈₈	Ψ ₈₉	Z ₉₀	[₉₁	92	]₉₃	94	95	
<i>14x</i>	96	α ₉₇	β ₉₈	ς ₉₉	δ ₁₀₀	ε ₁₀₁	φ ₁₀₂	γ ₁₀₃	~6x
<i>15x</i>	η ₁₀₄	ι ₁₀₅	θ ₁₀₆	κ ₁₀₇	λ ₁₀₈	μ ₁₀₉	ν ₁₁₀	ο ₁₁₁	
<i>16x</i>	π ₁₁₂	χ ₁₁₃	ρ ₁₁₄	σ ₁₁₅	τ ₁₁₆	υ ₁₁₇	118	ω ₁₁₉	~7x
<i>17x</i>	ξ ₁₂₀	ψ ₁₂₁	ζ ₁₂₂	« ₁₂₃	124	» ₁₂₅	126	— ₁₂₇	
<i>20x</i>	128	129	130	131	132	133	134	135	~8x
<i>21x</i>	á ₁₃₆	137	138	139	140	141	142	143	
<i>22x</i>	144	145	146	147	148	149	150	151	~9x
<i>23x</i>	152	153	154	‘H ₁₅₅	156	157	158	’E ₁₅₉	
<i>24x</i>	ή ₁₆₀	161	162	163	164	165	166	167	~Ax
<i>25x</i>	168	169	170	171	172	173	174	175	
<i>26x</i>	176	177	178	179	180	181	182	183	~Bx
<i>27x</i>	ώ ₁₈₄	185	186	187	188	189	190	191	
<i>30x</i>	192	193	194	195	196	197	198	’A ₁₉₉	~Cx
<i>31x</i>	200	201	202	203	204	205	206	207	

'32x	í ₂₀₈				ú ₂₁₂				~Dx
'33x				ï ₂₁₉				ÿ ₂₂₃	
'34x									~Ex
'35x	é ₂₃₂				ó ₂₃₆				
'36x	ï ₂₄₀		ı ₂₄₂		ü ₂₄₄		Û ₂₄₆		~Fx
'37x							' ₂₅₄	, ₂₅₅	
	~8	~9	~A	~B	~C	~D	~E	~F	

11.5 T5

	'0	'1	'2	'3	'4	'5	'6	'7	
'00x	` _o	' ₁	^ ₂	~ ₃	¨ ₄	. ₅	° ₆	ˇ ₇	~0x
'01x	˘ ₈	ˉ ₉	˙ ₁₀	˚ ₁₁	¿ ₁₂	, ₁₃	< ₁₄	> ₁₅	
'02x	“ ₁₆	” ₁₇	„ ₁₈	« ₁₉	» ₂₀	— ₂₁	— ₂₂		~1x
'03x	o ₂₄	ı ₂₅	Ÿ ₂₆	ÿ ₂₇	Ÿ ₂₈	ŷ ₂₉	Đ ₃₀	đ ₃₁	
'04x	ı ₃₂	! ₃₃	" ₃₄	# ₃₅	\$ ₃₆	% ₃₇	& ₃₈	' ₃₉	~2x
'05x	(₄₀	)₄₁	* ₄₂	+ ₄₃	, ₄₄	- ₄₅	• ₄₆	/ ₄₇	
'06x	0 ₄₈	1 ₄₉	2 ₅₀	3 ₅₁	4 ₅₂	5 ₅₃	6 ₅₄	7 ₅₅	~3x
'07x	8 ₅₆	9 ₅₇	: ₅₈	; ₅₉	< ₆₀	= ₆₁	> ₆₂	? ₆₃	
'10x	@ ₆₄	A ₆₅	B ₆₆	C ₆₇	D ₆₈	E ₆₉	F ₇₀	G ₇₁	~4x
'11x	H ₇₂	I ₇₃	J ₇₄	K ₇₅	L ₇₆	M ₇₇	N ₇₈	O ₇₉	
'12x	P ₈₀	Q ₈₁	R ₈₂	S ₈₃	T ₈₄	U ₈₅	V ₈₆	W ₈₇	~5x
'13x	X ₈₈	Y ₈₉	Z ₉₀	[₉₁	\ ₉₂	]₉₃	^ ₉₄	_ ₉₅	
'14x	' ₉₆	a ₉₇	b ₉₈	c ₉₉	d ₁₀₀	e ₁₀₁	f ₁₀₂	g ₁₀₃	~6x
'15x	h ₁₀₄	i ₁₀₅	j ₁₀₆	k ₁₀₇	l ₁₀₈	m ₁₀₉	n ₁₁₀	o ₁₁₁	
'16x	p ₁₁₂	q ₁₁₃	r ₁₁₄	s ₁₁₅	t ₁₁₆	u ₁₁₇	v ₁₁₈	w ₁₁₉	~7x
'17x	x ₁₂₀	y ₁₂₁	z ₁₂₂	{ ₁₂₃	|₁₂₄	} ₁₂₅	~ ₁₂₆	ff ₁₂₇	
'20x	À ₁₂₈	Á ₁₂₉	Ã ₁₃₀	Ä ₁₃₁	Å ₁₃₂	Â ₁₃₃	Ã ₁₃₄	Ä ₁₃₅	~8x
'21x	Ã ₁₃₆	Ä ₁₃₇	Å ₁₃₈	Ä ₁₃₉	Å ₁₄₀	Ä ₁₄₁	Å ₁₄₂	Ä ₁₄₃	
'22x	Ä ₁₄₄	È ₁₄₅	É ₁₄₆	Ê ₁₄₇	Ë ₁₄₈	Ė ₁₄₉	Ê ₁₅₀	Ë ₁₅₁	~9x
'23x	Ë ₁₅₂	Ë ₁₅₃	Ë ₁₅₄	Ė ₁₅₅	ì ₁₅₆	í ₁₅₇	ĩ ₁₅₈	ĩ ₁₅₉	
'24x	à ₁₆₀	á ₁₆₁	ã ₁₆₂	ä ₁₆₃	å ₁₆₄	â ₁₆₅	ã ₁₆₆	ä ₁₆₇	~Ax
'25x	ã ₁₆₈	ä ₁₆₉	â ₁₇₀	ä ₁₇₁	å ₁₇₂	ä ₁₇₃	ã ₁₇₄	ä ₁₇₅	
'26x	ă ₁₇₆	è ₁₇₇	é ₁₇₈	ẽ ₁₇₉	ẻ ₁₈₀	ẹ ₁₈₁	ê ₁₈₂	ë ₁₈₃	~Bx
'27x	ě ₁₈₄	ẽ ₁₈₅	ẻ ₁₈₆	ệ ₁₈₇	ì ₁₈₈	í ₁₈₉	ĩ ₁₉₀	ĩ ₁₉₁	

11.6 T4

	0	1	2	3	4	5	6	7	
00x	◌ ₀	◌ ₁	◌ ₂	◌ ₃	◌ ₄	◌ ₅	◌ ₆	◌ ₇	~0x
01x	◌ ₈	◌ ₉	◌ ₁₀	◌ ₁₁	◌ ₁₂	◌ ₁₃	◌ ₁₄	◌ ₁₅	
02x	“ ₁₆	” ₁₇	„ ₁₈	« ₁₉	» ₂₀	— ₂₁	— ₂₂	₂₃	~1x
03x	◌ ₂₄	◌ ₂₅	◌ ₂₆	ff ₂₇	fi ₂₈	fi ₂₉	ffi ₃₀	ffi ₃₁	
04x	◌ ₃₂	! ₃₃	" ₃₄	# ₃₅	\$ ₃₆	% ₃₇	& ₃₈	' ₃₉	~2x
05x	(₄₀)	)₄₁	* ₄₂	+ ₄₃	, ₄₄	- ₄₅	. ₄₆	/ ₄₇	
06x	0 ₄₈	1 ₄₉	2 ₅₀	3 ₅₁	4 ₅₂	5 ₅₃	6 ₅₄	7 ₅₅	~3x
07x	8 ₅₆	9 ₅₇	: ₅₈	; ₅₉	< ₆₀	= ₆₁	> ₆₂	? ₆₃	
10x	@ ₆₄	A ₆₅	B ₆₆	C ₆₇	D ₆₈	E ₆₉	F ₇₀	G ₇₁	~4x
11x	H ₇₂	I ₇₃	J ₇₄	K ₇₅	L ₇₆	M ₇₇	N ₇₈	O ₇₉	
12x	P ₈₀	Q ₈₁	R ₈₂	S ₈₃	T ₈₄	U ₈₅	V ₈₆	W ₈₇	~5x
13x	X ₈₈	Y ₈₉	Z ₉₀	[₉₁	\ ₉₂	]₉₃	^ ₉₄	_ ₉₅	
14x	‘ ₉₆	a ₉₇	b ₉₈	c ₉₉	d ₁₀₀	e ₁₀₁	f ₁₀₂	g ₁₀₃	~6x
15x	h ₁₀₄	i ₁₀₅	j ₁₀₆	k ₁₀₇	l ₁₀₈	m ₁₀₉	n ₁₁₀	o ₁₁₁	
16x	p ₁₁₂	q ₁₁₃	r ₁₁₄	s ₁₁₅	t ₁₁₆	u ₁₁₇	v ₁₁₈	w ₁₁₉	~7x
17x	x ₁₂₀	y ₁₂₁	z ₁₂₂	{ ₁₂₃	|₁₂₄	} ₁₂₅	~ ₁₂₆	- ₁₂₇	
20x	fb ₁₂₈	fh ₁₂₉	fj ₁₃₀	fk ₁₃₁	ft ₁₃₂	ě ₁₃₃	ffb ₁₃₄	H ₁₃₅	~8x
21x	ffh ₁₃₆	ffj ₁₃₇	ffk ₁₃₈	Ň ₁₃₉	fft ₁₄₀	Ň ₁₄₁	₁₄₂	₁₄₃	
22x	₁₄₄	₁₄₅	š ₁₄₆	Ň ₁₄₇	Ň ₁₄₈	š ₁₄₉	z ₁₅₀	F ₁₅₁	~9x
23x	Ě ₁₅₂	Ě ₁₅₃	₁₅₄	₁₅₅	₁₅₆	fj ₁₅₇	đ ₁₅₈	₁₅₉	
24x	₁₆₀	₁₆₁	₁₆₂	₁₆₃	f ₁₆₄	ě ₁₆₅	₁₆₆	h ₁₆₇	~Ax
25x	₁₆₈	₁₆₉	₁₇₀	ň ₁₇₁	₁₇₂	ŋ ₁₇₃	₁₇₄	₁₇₅	

<i>26x</i>	¹⁷⁶	¹⁷⁷	^š ₁₇₈	^ñ ₁₇₉	^ñ ₁₈₀	^ş ₁₈₁	^ʒ ₁₈₂	[₣] ₁₈₃	~Bx
<i>27x</i>	^è ₁₈₄	^ę ₁₈₅	₁₈₆	₁₈₇	₁₈₈	^ı ₁₈₉	^ı ₁₉₀	₁₉₁	
<i>30x</i>	₁₉₂	[!] ₁₉₃	₁₉₄	^Ã ₁₉₅	₁₉₆	₁₉₇	^Æ ₁₉₈	^Ç ₁₉₉	~Cx
<i>31x</i>	^È ₂₀₀	^É ₂₀₁	^Ě ₂₀₂	^Ě ₂₀₃	₂₀₄	^Ē ₂₀₅	^Ē ₂₀₆	^Ĭ ₂₀₇	
<i>32x</i>	₂₀₈	^Ñ ₂₀₉	^Ò ₂₁₀	₂₁₁	^Ô ₂₁₂	^Õ ₂₁₃	^Ö ₂₁₄	^Œ ₂₁₅	~Dx
<i>33x</i>	^Ø ₂₁₆	^Ŏ ₂₁₇	₂₁₈	^Ō ₂₁₉	^Ŏ ₂₂₀	^Ŭ ₂₂₁	^Ū ₂₂₂	^Ł ₂₂₃	
<i>34x</i>	₂₂₄	^İ ₂₂₅	₂₂₆	^ã ₂₂₇	₂₂₈	₂₂₉	^æ ₂₃₀	^ç ₂₃₁	~Ex
<i>35x</i>	^è ₂₃₂	^é ₂₃₃	^ě ₂₃₄	^ë ₂₃₅	₂₃₆	^ē ₂₃₇	^ē ₂₃₈	^ĩ ₂₃₉	
<i>36x</i>	₂₄₀	^ñ ₂₄₁	^ò ₂₄₂	₂₄₃	^ô ₂₄₄	^õ ₂₄₅	^ö ₂₄₆	^œ ₂₄₇	~Fx
<i>37x</i>	^ø ₂₄₈	^ŏ ₂₄₉	₂₅₀	^ō ₂₅₁	^ǒ ₂₅₂	^ұ ₂₅₃	^ũ ₂₅₄	^ß ₂₅₅	
	~8	~9	~A	~B	~C	~D	~E	~F	

11.7 TS3

	<i>0</i>	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	
<i>00x</i>	^o	¹	²	³	⁴	⁵	⁶	[↓] ₇	~0x
<i>01x</i>	[↑] ₈	⁹	¹⁰	¹¹	¹²	¹³	¹⁴	¹⁵	
<i>04x</i>	³²	³³	³⁴	³⁵	³⁶	³⁷	³⁸	³⁹	~2x
<i>05x</i>	⁴⁰	⁴¹	⁴²	⁴³	^Υ ₄₄	⁴⁵	⁴⁶	⁴⁷	
<i>10x</i>	⁶⁴	⁶⁵	⁶⁶	⁶⁷	⁶⁸	⁶⁹	|₇₀	⁷¹	~4x
<i>11x</i>	⁷²	⁷³	⁷⁴	⁷⁵	⁷⁶	⁷⁷	⁷⁸	⁷⁹	
<i>12x</i>	^þ ₈₀	^þ ₈₁	^þ ₈₂	^þ ₈₃	⁸⁴	⁸⁵	⁸⁶	⁸⁷	~5x
<i>13x</i>	⁸⁸	⁸⁹	⁹⁰	⁹¹	⁹²	⁹³	⁹⁴	⁹⁵	
<i>16x</i>	¹¹²	¹¹³	^δ ₁₁₄	¹¹⁵	¹¹⁶	¹¹⁷	¹¹⁸	¹¹⁹	~7x
<i>17x</i>	¹²⁰	^q ₁₂₁	¹²²	¹²³	¹²⁴	¹²⁵	¹²⁶	¹²⁷	
<i>36x</i>	²⁴⁰	²⁴¹	²⁴²	²⁴³	²⁴⁴	²⁴⁵	²⁴⁶	²⁴⁷	~Fx
<i>37x</i>	²⁴⁸	²⁴⁹	²⁵⁰	^{fl} ₂₅₁	^l ₂₅₂	^{fi} ₂₅₃	ⁱ ₂₅₄	^f ₂₅₅	
	~8	~9	~A	~B	~C	~D	~E	~F	

11.8 T3

	<i>0</i>	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	
<i>00x</i>	[`] _o	[´] ₁	[^] ₂	[~] ₃	[¨] ₄	⁵	[°] ₆	[˘] ₇	~0x
<i>01x</i>	^ˇ ₈	⁹	[˙] ₁₀	[˘] ₁₁	[˘] ₁₂	¹³	¹⁴	¹⁵	
<i>02x</i>	¹⁶	¹⁷	¹⁸	¹⁹	[˘] ₂₀	[˘] ₂₁	²²	²³	~1x
<i>03x</i>	²⁴	^l ₂₅	^J ₂₆	²⁷	²⁸	²⁹	³⁰	³¹	

'04x	32	33	' 34	35	36	37	38	' 39	~2x
'05x	(40	) 41	* 42	+ 43	, 44	- 45	• 46	/ 47	
'06x	48	49	50	51	52	53	54	55	~3x
'07x	56	57	58	59	60	= 61	62	? 63	
'10x	ə 64	α 65	β 66	67	ð 68	69	70	71	~4x
'11x	72	73	74	75	76	77	η 78	79	
'12x	80	81	82	83	θ 84	85	86	87	~5x
'13x	χ 88	89	ζ 90	[91	92	] 93	94	95	
'14x	' 96	a 97	b 98	c 99	d 100	e 101	f 102	g 103	~6x
'15x	h 104	i 105	j 106	k 107	l 108	m 109	n 110	o 111	
'16x	p 112	q 113	r 114	s 115	t 116	u 117	v 118	w 119	~7x
'17x	x 120	y 121	z 122	123	124	125	126	, 127	
'22x	144	145	146	147	148	149	↗ 150	↘ 151	~9x
'23x	152	153	154	155	156	157	158	159	
'24x	160	đ 161	162	163	164	g 165	166	167	~Ax
'25x	168	169	170	λ 171	172	173	174	175	
'26x	ω 176	ω 177	178	179	180	181	182	183	~Bx
'27x	184	185	b 186	ḃ 187	188	189	190	| 191	
'34x	224	225	226	227	228	229	æ 230	ς 231	~Ex
'35x	ħ 232	233	234	235	236	237	238	239	
'36x	240	241	242	243	244	245	246	œ 247	~Fx
'37x	ø 248	249	250	251	252	253	þ 254	255	
	~8	~9	~A	~B	~C	~D	~E	~F	

11.9 T2C

	'0	'1	'2	'3	'4	'5	'6	'7	
'00x	` 0	' 1	^ 2	~ 3	¨ 4	” 5	° 6	˘ 7	~0x
'01x	˘ 8	ˉ 9	˙ 10	˚ 11	˛ 12	ı 13	ff 14	ffl 15	
'02x	“ 16	” 17	fb 18	fh 19	fj 20	— 21	— 22	ff 23	~1x
'03x	o 24	ı 25	j 26	fk 27	fi 28	fl 29	ft 30	ffb 31	
'04x	˘ 32	! 33	" 34	# 35	\$ 36	% 37	& 38	' 39	~2x
'05x	(40	) 41	* 42	+ 43	, 44	- 45	• 46	/ 47	
'06x	0 48	1 49	2 50	3 51	4 52	5 53	6 54	7 55	~3x
'07x	8 56	9 57	: 58	; 59	< 60	= 61	> 62	? 63	
'10x	@ 64	A 65	B 66	C 67	D 68	E 69	F 70	G 71	~4x
'11x	H 72	I 73	J 74	K 75	L 76	M 77	N 78	O 79	

'12x	P ₈₀	Q ₈₁	R ₈₂	S ₈₃	T ₈₄	U ₈₅	V ₈₆	W ₈₇	"5x
'13x	X ₈₈	Y ₈₉	Z ₉₀	[₉₁	\ ₉₂	]₉₃	^ ₉₄	_ ₉₅	
'14x	' ₉₆	a ₉₇	b ₉₈	c ₉₉	d ₁₀₀	e ₁₀₁	f ₁₀₂	g ₁₀₃	"6x
'15x	h ₁₀₄	i ₁₀₅	j ₁₀₆	k ₁₀₇	l ₁₀₈	m ₁₀₉	n ₁₁₀	o ₁₁₁	
'16x	p ₁₁₂	q ₁₁₃	r ₁₁₄	s ₁₁₅	t ₁₁₆	u ₁₁₇	v ₁₁₈	w ₁₁₉	"7x
'17x	x ₁₂₀	y ₁₂₁	z ₁₂₂	{ ₁₂₃	|₁₂₄	} ₁₂₅	~ ₁₂₆	- ₁₂₇	
'20x	Ѐ ₁₂₈	Ђ ₁₂₉	Ѓ ₁₃₀	Ђ ₁₃₁	ђ ₁₃₂	ђђ ₁₃₃	Р ₁₃₄	З ₁₃₅	"8x
'21x	ђђ ₁₃₆	Ќ ₁₃₇	ђќ ₁₃₈	Ќ ₁₃₉	ђќ ₁₄₀	Њ ₁₄₁	₁₄₂	Њ ₁₄₃	
'22x	Ө ₁₄₄	Є ₁₄₅	Е ₁₄₆	Ђ ₁₄₇	₁₄₈	Њ ₁₄₉	Њ ₁₅₀	Њ ₁₅₁	"9x
'23x	Ч ₁₅₂	₁₅₃	Ә ₁₅₄	₁₅₅	Ё ₁₅₆	№ ₁₅₇	ѡ ₁₅₈	§ ₁₅₉	
'24x	ђ ₁₆₀	ц ₁₆₁	т ₁₆₂	ђ ₁₆₃	ђ ₁₆₄	₁₆₅	ђ ₁₆₆	З ₁₆₇	"Ax
'25x	₁₆₈	ќ ₁₆₉	₁₇₀	ќ ₁₇₁	₁₇₂	Њ ₁₇₃	₁₇₄	ђ ₁₇₅	
'26x	ө ₁₇₆	е ₁₇₇	е ₁₇₈	ђ ₁₇₉	₁₈₀	Њ ₁₈₁	Њ ₁₈₂	Њ ₁₈₃	"Bx
'27x	ч ₁₈₄	₁₈₅	ә ₁₈₆	₁₈₇	ё ₁₈₈	„ ₁₈₉	« ₁₉₀	» ₁₉₁	
'30x	А ₁₉₂	Б ₁₉₃	В ₁₉₄	Г ₁₉₅	Д ₁₉₆	Е ₁₉₇	Ж ₁₉₈	З ₁₉₉	"Cx
'31x	И ₂₀₀	Й ₂₀₁	К ₂₀₂	Л ₂₀₃	М ₂₀₄	Н ₂₀₅	О ₂₀₆	П ₂₀₇	
'32x	Р ₂₀₈	С ₂₀₉	Т ₂₁₀	У ₂₁₁	Ф ₂₁₂	Х ₂₁₃	Ц ₂₁₄	Ч ₂₁₅	"Dx
'33x	Ш ₂₁₆	Щ ₂₁₇	Ъ ₂₁₈	Ы ₂₁₉	Ь ₂₂₀	Э ₂₂₁	Ю ₂₂₂	Я ₂₂₃	
'34x	а ₂₂₄	б ₂₂₅	в ₂₂₆	г ₂₂₇	д ₂₂₈	е ₂₂₉	ж ₂₃₀	з ₂₃₁	"Ex
'35x	и ₂₃₂	й ₂₃₃	к ₂₃₄	л ₂₃₅	м ₂₃₆	н ₂₃₇	о ₂₃₈	п ₂₃₉	
'36x	р ₂₄₀	с ₂₄₁	т ₂₄₂	у ₂₄₃	ф ₂₄₄	х ₂₄₅	ц ₂₄₆	ч ₂₄₇	"Fx
'37x	ш ₂₄₈	щ ₂₄₉	ъ ₂₅₀	ы ₂₅₁	ь ₂₅₂	э ₂₅₃	ю ₂₅₄	я ₂₅₅	
	"8	"9	"A	"B	"C	"D	"E	"F	

11.10 T2B

	'0	'1	'2	'3	'4	'5	'6	'7	
'00x	` ₀	' ₁	^ ₂	~ ₃	¨ ₄	" ₅	° ₆	˘ ₇	"0x
'01x	˘ ₈	¯ ₉	· ₁₀	˙ ₁₁	¸ ₁₂	¡ ₁₃	ff ₁₄	ff ₁₅	
'02x	" ₁₆	" ₁₇	fb ₁₈	fh ₁₉	fj ₂₀	— ₂₁	— ₂₂	ff ₂₃	"1x
'03x	o ₂₄	l ₂₅	j ₂₆	fk ₂₇	fi ₂₈	fl ₂₉	ft ₃₀	ffb ₃₁	
'04x	┐ ₃₂	! ₃₃	" ₃₄	# ₃₅	\$ ₃₆	% ₃₇	& ₃₈	' ₃₉	"2x
'05x	(₄₀	)₄₁	* ₄₂	+ ₄₃	, ₄₄	- ₄₅	· ₄₆	/ ₄₇	
'06x	0 ₄₈	1 ₄₉	2 ₅₀	3 ₅₁	4 ₅₂	5 ₅₃	6 ₅₄	7 ₅₅	"3x
'07x	8 ₅₆	9 ₅₇	: ₅₈	; ₅₉	< ₆₀	= ₆₁	> ₆₂	? ₆₃	
'10x	@ ₆₄	A ₆₅	B ₆₆	C ₆₇	D ₆₈	E ₆₉	F ₇₀	G ₇₁	"4x
'11x	H ₇₂	I ₇₃	J ₇₄	K ₇₅	L ₇₆	M ₇₇	N ₇₈	O ₇₉	

'12x	P ₈₀	Q ₈₁	R ₈₂	S ₈₃	T ₈₄	U ₈₅	V ₈₆	W ₈₇	~5x
'13x	X ₈₈	Y ₈₉	Z ₉₀	[₉₁	\ ₉₂	]₉₃	^ ₉₄	_ ₉₅	
'14x	' ₉₆	a ₉₇	b ₉₈	c ₉₉	d ₁₀₀	e ₁₀₁	f ₁₀₂	g ₁₀₃	~6x
'15x	h ₁₀₄	i ₁₀₅	j ₁₀₆	k ₁₀₇	l ₁₀₈	m ₁₀₉	n ₁₁₀	o ₁₁₁	
'16x	p ₁₁₂	q ₁₁₃	r ₁₁₄	s ₁₁₅	t ₁₁₆	u ₁₁₇	v ₁₁₈	w ₁₁₉	~7x
'17x	x ₁₂₀	y ₁₂₁	z ₁₂₂	{ ₁₂₃	|₁₂₄	} ₁₂₅	~ ₁₂₆	- ₁₂₇	
'20x	ffh ₁₂₈	F ₁₂₉	ffj ₁₃₀	Б ₁₃₁	h ₁₃₂	Ж ₁₃₃	ffk ₁₃₄	З ₁₃₅	~8x
'21x	Љ ₁₃₆	Қ ₁₃₇	ffl ₁₃₈	Қ ₁₃₉	₁₄₀	Ң ₁₄₁	Ғ ₁₄₂	Ҳ ₁₄₃	
'22x	Ө ₁₄₄	₁₄₅	Ӧ ₁₄₆	Ү ₁₄₇	₁₄₈	Җ ₁₄₉	₁₅₀	Ұ ₁₅₁	~9x
'23x	Ң ₁₅₂	Ӧ ₁₅₃	Ә ₁₅₄	₁₅₅	Ё ₁₅₆	№ ₁₅₇	Җ ₁₅₈	§ ₁₅₉	
'24x	₁₆₀	Ғ ₁₆₁	₁₆₂	Ғ ₁₆₃	h ₁₆₄	Ж ₁₆₅	₁₆₆	З ₁₆₇	~Ax
'25x	Љ ₁₆₈	Қ ₁₆₉	₁₇₀	Қ ₁₇₁	₁₇₂	Ң ₁₇₃	Ғ ₁₇₄	Ҳ ₁₇₅	
'26x	Ө ₁₇₆	₁₇₇	Ӧ ₁₇₈	Ү ₁₇₉	₁₈₀	Җ ₁₈₁	₁₈₂	Ұ ₁₈₃	~Bx
'27x	Ң ₁₈₄	Ӧ ₁₈₅	Ә ₁₈₆	₁₈₇	Ё ₁₈₈	„ ₁₈₉	« ₁₉₀	» ₁₉₁	
'30x	А ₁₉₂	Б ₁₉₃	В ₁₉₄	Г ₁₉₅	Д ₁₉₆	Е ₁₉₇	Ж ₁₉₈	З ₁₉₉	~Cx
'31x	И ₂₀₀	Й ₂₀₁	К ₂₀₂	Л ₂₀₃	М ₂₀₄	Н ₂₀₅	О ₂₀₆	П ₂₀₇	
'32x	Р ₂₀₈	С ₂₀₉	Т ₂₁₀	У ₂₁₁	Ф ₂₁₂	Х ₂₁₃	Ц ₂₁₄	Ч ₂₁₅	~Dx
'33x	Ш ₂₁₆	Щ ₂₁₇	Ъ ₂₁₈	Ы ₂₁₉	Ь ₂₂₀	Э ₂₂₁	Ю ₂₂₂	Я ₂₂₃	
'34x	a ₂₂₄	б ₂₂₅	в ₂₂₆	г ₂₂₇	д ₂₂₈	е ₂₂₉	ж ₂₃₀	з ₂₃₁	~Ex
'35x	и ₂₃₂	й ₂₃₃	к ₂₃₄	л ₂₃₅	м ₂₃₆	н ₂₃₇	о ₂₃₈	п ₂₃₉	
'36x	р ₂₄₀	с ₂₄₁	т ₂₄₂	у ₂₄₃	ф ₂₄₄	х ₂₄₅	ц ₂₄₆	ч ₂₄₇	~Fx
'37x	ш ₂₄₈	щ ₂₄₉	ъ ₂₅₀	ы ₂₅₁	ь ₂₅₂	э ₂₅₃	ю ₂₅₄	я ₂₅₅	
	~8	~9	~A	~B	~C	~D	~E	~F	

11.11 T2A

	'0	'1	'2	'3	'4	'5	'6	'7	
'00x	` ₀	' ₁	^ ₂	~ ₃	¨ ₄	” ₅	° ₆	˘ ₇	~0x
'01x	˘ ₈	ˉ ₉	˙ ₁₀	˚ ₁₁	¸ ₁₂	ı ₁₃	ffı ₁₄	ffı ₁₅	
'02x	“ ₁₆	” ₁₇	fb ₁₈	fh ₁₉	fj ₂₀	— ₂₁	— ₂₂	ff ₂₃	~1x
'03x	o ₂₄	ı ₂₅	j ₂₆	fk ₂₇	fi ₂₈	fi ₂₉	ft ₃₀	ffb ₃₁	
'04x	ı ₃₂	! ₃₃	" ₃₄	# ₃₅	\$ ₃₆	% ₃₇	& ₃₈	' ₃₉	~2x
'05x	(₄₀	)₄₁	* ₄₂	+ ₄₃	, ₄₄	- ₄₅	· ₄₆	/ ₄₇	
'06x	0 ₄₈	1 ₄₉	2 ₅₀	3 ₅₁	4 ₅₂	5 ₅₃	6 ₅₄	7 ₅₅	~3x
'07x	8 ₅₆	9 ₅₇	: ₅₈	; ₅₉	< ₆₀	= ₆₁	> ₆₂	? ₆₃	
'10x	@ ₆₄	A ₆₅	B ₆₆	C ₆₇	D ₆₈	E ₆₉	F ₇₀	G ₇₁	~4x
'11x	H ₇₂	I ₇₃	J ₇₄	K ₇₅	L ₇₆	M ₇₇	N ₇₈	O ₇₉	

'12x	P ₈₀	Q ₈₁	R ₈₂	S ₈₃	T ₈₄	U ₈₅	V ₈₆	W ₈₇	~5x
'13x	X ₈₈	Y ₈₉	Z ₉₀	[₉₁	\ ₉₂	]₉₃	^ ₉₄	_ ₉₅	
'14x	' ₉₆	a ₉₇	b ₉₈	c ₉₉	d ₁₀₀	e ₁₀₁	f ₁₀₂	g ₁₀₃	~6x
'15x	h ₁₀₄	i ₁₀₅	j ₁₀₆	k ₁₀₇	l ₁₀₈	m ₁₀₉	n ₁₁₀	o ₁₁₁	
'16x	p ₁₁₂	q ₁₁₃	r ₁₁₄	s ₁₁₅	t ₁₁₆	u ₁₁₇	v ₁₁₈	w ₁₁₉	~7x
'17x	x ₁₂₀	y ₁₂₁	z ₁₂₂	{ ₁₂₃	|₁₂₄	} ₁₂₅	~ ₁₂₆	- ₁₂₇	
'20x	Ґ ₁₂₈	Ғ ₁₂₉	Ҕ ₁₃₀	Җ ₁₃₁	Һ ₁₃₂	Ҝ ₁₃₃	Ҝ ₁₃₄	Љ ₁₃₅	~8x
'21x	Ӏ ₁₃₆	Қ ₁₃₇	Ҝ ₁₃₈	Ҝ ₁₃₉	Æ ₁₄₀	Ҝ ₁₄₁	Ҝ ₁₄₂	Ѕ ₁₄₃	
'22x	Ө ₁₄₄	Ҝ ₁₄₅	Ӏ ₁₄₆	Ҝ ₁₄₇	Ҝ ₁₄₈	Ҝ ₁₄₉	Ҝ ₁₅₀	Ҝ ₁₅₁	~9x
'23x	Ҝ ₁₅₂	€ ₁₅₃	Ә ₁₅₄	Ҝ ₁₅₅	Ӏ ₁₅₆	№ ₁₅₇	Ҝ ₁₅₈	Ҝ ₁₅₉	
'24x	Ҝ ₁₆₀	Ҝ ₁₆₁	Ҝ ₁₆₂	Ҝ ₁₆₃	Һ ₁₆₄	Ҝ ₁₆₅	Ҝ ₁₆₆	Љ ₁₆₇	~Ax
'25x	Ӏ ₁₆₈	Қ ₁₆₉	Ҝ ₁₇₀	Ҝ ₁₇₁	æ ₁₇₂	Ҝ ₁₇₃	Ҝ ₁₇₄	Ѕ ₁₇₅	
'26x	ө ₁₇₆	Ҝ ₁₇₇	Ӏ ₁₇₈	Ҝ ₁₇₉	Ҝ ₁₈₀	Ҝ ₁₈₁	Ҝ ₁₈₂	Ҝ ₁₈₃	~Bx
'27x	Ҝ ₁₈₄	€ ₁₈₅	Ә ₁₈₆	Ҝ ₁₈₇	Ӏ ₁₈₈	„ ₁₈₉	« ₁₉₀	» ₁₉₁	
'30x	А ₁₉₂	Б ₁₉₃	В ₁₉₄	Г ₁₉₅	Д ₁₉₆	Е ₁₉₇	Ж ₁₉₈	З ₁₉₉	~Cx
'31x	И ₂₀₀	Й ₂₀₁	К ₂₀₂	Л ₂₀₃	М ₂₀₄	Н ₂₀₅	О ₂₀₆	П ₂₀₇	
'32x	Р ₂₀₈	С ₂₀₉	Т ₂₁₀	У ₂₁₁	Ф ₂₁₂	Х ₂₁₃	Ц ₂₁₄	Ч ₂₁₅	~Dx
'33x	Ш ₂₁₆	Щ ₂₁₇	Ъ ₂₁₈	Ы ₂₁₉	Ь ₂₂₀	Э ₂₂₁	Ю ₂₂₂	Я ₂₂₃	
'34x	а ₂₂₄	б ₂₂₅	в ₂₂₆	г ₂₂₇	д ₂₂₈	е ₂₂₉	ж ₂₃₀	з ₂₃₁	~Ex
'35x	и ₂₃₂	й ₂₃₃	к ₂₃₄	л ₂₃₅	м ₂₃₆	н ₂₃₇	о ₂₃₈	п ₂₃₉	
'36x	р ₂₄₀	с ₂₄₁	т ₂₄₂	у ₂₄₃	ф ₂₄₄	х ₂₄₅	ц ₂₄₆	ч ₂₄₇	~Fx
'37x	ш ₂₄₈	щ ₂₄₉	ъ ₂₅₀	ы ₂₅₁	ь ₂₅₂	э ₂₅₃	ю ₂₅₄	я ₂₅₅	
	~8	~9	~A	~B	~C	~D	~E	~F	

11.12 LY1

	'0	'1	'2	'3	'4	'5	'6	'7	
'00x	ff ₀	€ ₁	ff ₂	ff ₃	/ ₄	· ₅	" ₆	‘ ₇	~0x
'01x	fl ₈	fb ₉	₁₀	fj ₁₁	fi ₁₂	fh ₁₃	fk ₁₄	ft ₁₅	
'02x	l ₁₆	j ₁₇	` ₁₈	' ₁₉	˘ ₂₀	˙ ₂₁	- ₂₂	° ₂₃	~1x
'03x	„ ₂₄	ß ₂₅	æ ₂₆	œ ₂₇	ø ₂₈	Æ ₂₉	Œ ₃₀	Ø ₃₁	
'04x	₃₂	! ₃₃	" ₃₄	# ₃₅	\$ ₃₆	% ₃₇	& ₃₈	' ₃₉	~2x
'05x	(₄₀	)₄₁	* ₄₂	+ ₄₃	, ₄₄	- ₄₅	· ₄₆	/ ₄₇	
'06x	0 ₄₈	1 ₄₉	2 ₅₀	3 ₅₁	4 ₅₂	5 ₅₃	6 ₅₄	7 ₅₅	~3x
'07x	8 ₅₆	9 ₅₇	: ₅₈	; ₅₉	< ₆₀	= ₆₁	> ₆₂	? ₆₃	
'10x	@ ₆₄	A ₆₅	B ₆₆	C ₆₇	D ₆₈	E ₆₉	F ₇₀	G ₇₁	~4x
'11x	H ₇₂	I ₇₃	J ₇₄	K ₇₅	L ₇₆	M ₇₇	N ₇₈	O ₇₉	

'12x	P ₈₀	Q ₈₁	R ₈₂	S ₈₃	T ₈₄	U ₈₅	V ₈₆	W ₈₇	~5x
'13x	X ₈₈	Y ₈₉	Z ₉₀	[₉₁	\ ₉₂	]₉₃	^ ₉₄	_ ₉₅	
'14x	' ₉₆	a ₉₇	b ₉₈	c ₉₉	d ₁₀₀	e ₁₀₁	f ₁₀₂	g ₁₀₃	~6x
'15x	h ₁₀₄	i ₁₀₅	j ₁₀₆	k ₁₀₇	l ₁₀₈	m ₁₀₉	n ₁₁₀	o ₁₁₁	
'16x	p ₁₁₂	q ₁₁₃	r ₁₁₄	s ₁₁₅	t ₁₁₆	u ₁₁₇	v ₁₁₈	w ₁₁₉	~7x
'17x	x ₁₂₀	y ₁₂₁	z ₁₂₂	{ ₁₂₃	|₁₂₄	} ₁₂₅	~ ₁₂₆	¨ ₁₂₇	
'20x	Ł ₁₂₈	ı ₁₂₉	Ÿ ₁₃₀	f ₁₃₁	„ ₁₃₂	… ₁₃₃	† ₁₃₄	‡ ₁₃₅	~8x
'21x	^ ₁₃₆	‰ ₁₃₇	Š ₁₃₈	< ₁₃₉	Œ ₁₄₀	Ž ₁₄₁	^ ₁₄₂	— ₁₄₃	
'22x	ł ₁₄₄	‘ ₁₄₅	’ ₁₄₆	“ ₁₄₇	” ₁₄₈	• ₁₄₉	— ₁₅₀	— ₁₅₁	~9x
'23x	˜ ₁₅₂	™ ₁₅₃	š ₁₅₄	> ₁₅₅	œ ₁₅₆	ž ₁₅₇	˜ ₁₅₈	ÿ ₁₅₉	
'24x	₁₆₀	ı ₁₆₁	¢ ₁₆₂	£ ₁₆₃	¤ ₁₆₄	¥ ₁₆₅	¦ ₁₆₆	§ ₁₆₇	~Ax
'25x	¨ ₁₆₈	© ₁₆₉	ª ₁₇₀	« ₁₇₁	¬ ₁₇₂	® ₁₇₃	® ₁₇₄	¯ ₁₇₅	
'26x	° ₁₇₆	± ₁₇₇	² ₁₇₈	³ ₁₇₉	´ ₁₈₀	µ ₁₈₁	¶ ₁₈₂	· ₁₈₃	~Bx
'27x	¸ ₁₈₄	¹ ₁₈₅	º ₁₈₆	» ₁₈₇	¼ ₁₈₈	½ ₁₈₉	¾ ₁₉₀	¿ ₁₉₁	
'30x	À ₁₉₂	Á ₁₉₃	Â ₁₉₄	Ã ₁₉₅	Ä ₁₉₆	Å ₁₉₇	Æ ₁₉₈	Ç ₁₉₉	~Cx
'31x	È ₂₀₀	É ₂₀₁	Ê ₂₀₂	Ë ₂₀₃	Ì ₂₀₄	Í ₂₀₅	Î ₂₀₆	Ï ₂₀₇	
'32x	Ð ₂₀₈	Ñ ₂₀₉	Ò ₂₁₀	Ó ₂₁₁	Ô ₂₁₂	Õ ₂₁₃	Ö ₂₁₄	× ₂₁₅	~Dx
'33x	Ø ₂₁₆	Ù ₂₁₇	Ú ₂₁₈	Û ₂₁₉	Ü ₂₂₀	Ý ₂₂₁	Þ ₂₂₂	ß ₂₂₃	
'34x	à ₂₂₄	á ₂₂₅	â ₂₂₆	ã ₂₂₇	ä ₂₂₈	å ₂₂₉	æ ₂₃₀	ç ₂₃₁	~Ex
'35x	è ₂₃₂	é ₂₃₃	ê ₂₃₄	ë ₂₃₅	ì ₂₃₆	í ₂₃₇	î ₂₃₈	ï ₂₃₉	
'36x	ð ₂₄₀	ñ ₂₄₁	ò ₂₄₂	ó ₂₄₃	ô ₂₄₄	õ ₂₄₅	ö ₂₄₆	÷ ₂₄₇	~Fx
'37x	ø ₂₄₈	ù ₂₄₉	ú ₂₅₀	û ₂₅₁	ü ₂₅₂	ý ₂₅₃	þ ₂₅₄	ÿ ₂₅₅	
	~8	~9	~A	~B	~C	~D	~E	~F	

11.13 OT1

	0	1	2	3	4	5	6	7	
'00x	Γ ₀	Δ ₁	Θ ₂	Λ ₃	Ξ ₄	Π ₅	Σ ₆	Υ ₇	~0x
'01x	Φ ₈	Ψ ₉	Ω ₁₀	₁₁	fi ₁₂	fl ₁₃	₁₄	₁₅	
'02x	ı ₁₆	ı ₁₇	` ₁₈	' ₁₉	˘ ₂₀	˙ ₂₁	˚ ₂₂	° ₂₃	~1x
'03x	¸ ₂₄	ß ₂₅	æ ₂₆	œ ₂₇	ø ₂₈	Æ ₂₉	Œ ₃₀	Ø ₃₁	
'04x	₂ ₃₂	! ₃₃	" ₃₄	# ₃₅	\$ ₃₆	% ₃₇	& ₃₈	' ₃₉	~2x
'05x	(₄₀	)₄₁	* ₄₂	+ ₄₃	, ₄₄	- ₄₅	· ₄₆	/ ₄₇	
'06x	0 ₄₈	1 ₄₉	2 ₅₀	3 ₅₁	4 ₅₂	5 ₅₃	6 ₅₄	7 ₅₅	~3x
'07x	8 ₅₆	9 ₅₇	: ₅₈	; ₅₉	ı ₆₀	= ₆₁	¿ ₆₂	? ₆₃	

'10x	@ ₆₄	A ₆₅	B ₆₆	C ₆₇	D ₆₈	E ₆₉	F ₇₀	G ₇₁	~4x
'11x	H ₇₂	I ₇₃	J ₇₄	K ₇₅	L ₇₆	M ₇₇	N ₇₈	O ₇₉	
'12x	P ₈₀	Q ₈₁	R ₈₂	S ₈₃	T ₈₄	U ₈₅	V ₈₆	W ₈₇	~5x
'13x	X ₈₈	Y ₈₉	Z ₉₀	[₉₁	" ₉₂	]₉₃	^ ₉₄	· ₉₅	
'14x	' ₉₆	a ₉₇	b ₉₈	c ₉₉	d ₁₀₀	e ₁₀₁	f ₁₀₂	g ₁₀₃	~6x
'15x	h ₁₀₄	i ₁₀₅	j ₁₀₆	k ₁₀₇	l ₁₀₈	m ₁₀₉	n ₁₁₀	o ₁₁₁	
'16x	p ₁₁₂	q ₁₁₃	r ₁₁₄	s ₁₁₅	t ₁₁₆	u ₁₁₇	v ₁₁₈	w ₁₁₉	~7x
'17x	x ₁₂₀	y ₁₂₁	z ₁₂₂	— ₁₂₃	— ₁₂₄	" ₁₂₅	~ ₁₂₆	¨ ₁₂₇	
'20x	ff ₁₂₈	ff ₁₂₉	ff ₁₃₀	fb ₁₃₁	fh ₁₃₂	fj ₁₃₃	fk ₁₃₄	ft ₁₃₅	~8x
'21x	ffb ₁₃₆	ffh ₁₃₇	fl ₁₃₈	ffj ₁₃₉	ffk ₁₄₀	fft ₁₄₁	142	143	
'24x	160	161	162	163	164	165	166	167	~Ax
'25x	168	169	170	171	172	173	174	175	
	~8	~9	~A	~B	~C	~D	~E	~F	

11.14 TS1

	'0	'1	'2	'3	'4	'5	'6	'7	
'00x	o	1	2	3	4	5	6	7	~0x
'01x	8	9	10	11	12	13	14	15	
'02x	16	17	18	19	20	21	22	23	~1x
'03x	24	25	26	27	28	29	30	31	
'04x	32	33	34	35	36	37	38	39	~2x
'05x	40	41	42	43	44	45	46	47	
'06x	48	49	50	51	52	53	54	55	~3x
'07x	56	57	58	59	60	61	62	63	
'12x	80	81	82	83	84	85	86	87	~5x
'13x	88	89	90	91	92	93	94	95	
'20x	128	129	130	131	132	133	134	135	~8x
'21x	136	137	138	139	140	141	142	143	
'22x	144	145	146	147	148	149	150	151	~9x
'23x	152	153	154	155	156	157	158	159	
'24x	160	161	162	163	164	165	166	167	~Ax
'25x	168	169	170	171	172	173	174	175	
'26x	176	177	178	179	180	181	182	183	~Bx
'27x	184	185	186	187	188	189	190	191	
'32x	208	209	210	211	212	213	214	215	~Dx
'33x	216	217	218	219	220	221	222	223	

‘36x	240	241	242	243	244	245	÷ 246	247	~Fx
‘37x	248	249	250	fl 251	l 252	fi 253	i 254	f 255	
	~8	~9	~A	~B	~C	~D	~E	~F	

11.15 T1

	‘0	‘1	‘2	‘3	‘4	‘5	‘6	‘7	
‘00x	` 0	‘ 1	^ 2	~ 3	¨ 4	” 5	° 6	˘ 7	~0x
‘01x	˘ 8	˘ 9	˘ 10	˘ 11	˘ 12	˘ 13	˘ 14	˘ 15	
‘02x	“ 16	” 17	„ 18	« 19	» 20	— 21	— 22	23	~1x
‘03x	o 24	l 25	j 26	ff 27	fi 28	fl 29	ffi 30	ffl 31	
‘04x	˘ 32	! 33	" 34	# 35	\$ 36	% 37	& 38	' 39	~2x
‘05x	(40	) 41	* 42	+ 43	, 44	- 45	• 46	/ 47	
‘06x	0 48	1 49	2 50	3 51	4 52	5 53	6 54	7 55	~3x
‘07x	8 56	9 57	: 58	; 59	< 60	= 61	> 62	? 63	
‘10x	@ 64	A 65	B 66	C 67	D 68	E 69	F 70	G 71	~4x
‘11x	H 72	I 73	J 74	K 75	L 76	M 77	N 78	O 79	
‘12x	P 80	Q 81	R 82	S 83	T 84	U 85	V 86	W 87	~5x
‘13x	X 88	Y 89	Z 90	[91	\ 92	] 93	^ 94	_ 95	
‘14x	‘ 96	a 97	b 98	c 99	d 100	e 101	f 102	g 103	~6x
‘15x	h 104	i 105	j 106	k 107	l 108	m 109	n 110	o 111	
‘16x	p 112	q 113	r 114	s 115	t 116	u 117	v 118	w 119	~7x
‘17x	x 120	y 121	z 122	{ 123	| 124	} 125	~ 126	- 127	
‘20x	Ă 128	Ȧ 129	Ć 130	Č 131	Ǿ 132	Ě 133	Ǝ 134	Ǧ 135	~8x
‘21x	Ĺ 136	Ł 137	Ł 138	Ń 139	Ň 140	Ŋ 141	Ŏ 142	Ŕ 143	
‘22x	Ř 144	Ś 145	Š 146	Ș 147	Ť 148	Ț 149	Ů 150	Ű 151	~9x
‘23x	Ÿ 152	Ž 153	Ž 154	Ž 155	Ů 156	İ 157	đ 158	Ş 159	
‘24x	ǎ 160	ȧ 161	ć 162	č 163	d' 164	ě 165	Ǝ 166	ǧ 167	~Ax
‘25x	í 168	l' 169	ł 170	ń 171	ň 172	ŋ 173	ó 174	í 175	
‘26x	ř 176	ś 177	š 178	ș 179	ť 180	ț 181	ů 182	ű 183	~Bx
‘27x	ÿ 184	ž 185	ž 186	ž 187	ij 188	i 189	ı 190	£ 191	
‘30x	À 192	Á 193	Â 194	Ã 195	Ä 196	Å 197	Æ 198	Ç 199	~Cx
‘31x	È 200	É 201	Ê 202	Ë 203	Ì 204	Í 205	Î 206	Ï 207	
‘32x	Ð 208	Ñ 209	Ò 210	Ó 211	Ô 212	Õ 213	Ö 214	Œ 215	~Dx
‘33x	Ø 216	Ù 217	Ú 218	Û 219	Ü 220	Ý 221	Þ 222	Ɔ 223	

‘34x	à ²²⁴	á ²²⁵	â ²²⁶	ã ²²⁷	ä ²²⁸	å ²²⁹	æ ²³⁰	ç ²³¹	~Ex
‘35x	è ²³²	é ²³³	ê ²³⁴	ë ²³⁵	ì ²³⁶	í ²³⁷	î ²³⁸	ï ²³⁹	
‘36x	ð ²⁴⁰	ñ ²⁴¹	ò ²⁴²	ó ²⁴³	ô ²⁴⁴	õ ²⁴⁵	ö ²⁴⁶	œ ²⁴⁷	~Fx
‘37x	ø ²⁴⁸	ù ²⁴⁹	ú ²⁵⁰	û ²⁵¹	ü ²⁵²	ý ²⁵³	þ ²⁵⁴	ß ²⁵⁵	
	˜8	˜9	˜A	˜B	˜C	˜D	˜E	˜F	

11.16 T1 (Swash)

	‘0	‘1	‘2	‘3	‘4	‘5	‘6	‘7	
‘00x	˘ ⁰	˘ ¹	˘ ²	˘ ³	˘ ⁴	˘ ⁵	˘ ⁶	˘ ⁷	~0x
‘01x	˘ ⁸	˘ ⁹	˘ ¹⁰	˘ ¹¹	˘ ¹²	˘ ¹³	˘ ¹⁴	˘ ¹⁵	
‘02x	“ ¹⁶	” ¹⁷	„ ¹⁸	« ¹⁹	» ²⁰	— ²¹	— ²²	˘ ²³	~1x
‘03x	o ²⁴	l ²⁵	J ²⁶	ℳ ²⁷	ℒ ²⁸	ℒ ²⁹	ℳ ³⁰	ℳ ³¹	
‘04x	˘ ³²	! ³³	" ³⁴	# ³⁵	\$ ³⁶	% ³⁷	& ³⁸	' ³⁹	~2x
‘05x	(⁴⁰	)⁴¹	* ⁴²	+ ⁴³	, ⁴⁴	- ⁴⁵	• ⁴⁶	/ ⁴⁷	
‘06x	0 ⁴⁸	1 ⁴⁹	2 ⁵⁰	3 ⁵¹	4 ⁵²	5 ⁵³	6 ⁵⁴	7 ⁵⁵	~3x
‘07x	8 ⁵⁶	9 ⁵⁷	: ⁵⁸	; ⁵⁹	< ⁶⁰	= ⁶¹	> ⁶²	? ⁶³	
‘10x	@ ⁶⁴	A ⁶⁵	B ⁶⁶	C ⁶⁷	D ⁶⁸	E ⁶⁹	F ⁷⁰	G ⁷¹	~4x
‘11x	H ⁷²	I ⁷³	J ⁷⁴	K ⁷⁵	L ⁷⁶	M ⁷⁷	N ⁷⁸	O ⁷⁹	
‘12x	P ⁸⁰	Q ⁸¹	R ⁸²	S ⁸³	T ⁸⁴	U ⁸⁵	V ⁸⁶	W ⁸⁷	~5x
‘13x	X ⁸⁸	Y ⁸⁹	Z ⁹⁰	[⁹¹	\ ⁹²	]⁹³	^ ⁹⁴	_ ⁹⁵	
‘14x	‘ ⁹⁶	a ⁹⁷	b ⁹⁸	c ⁹⁹	d ¹⁰⁰	e ¹⁰¹	f ¹⁰²	g ¹⁰³	~6x
‘15x	h ¹⁰⁴	i ¹⁰⁵	j ¹⁰⁶	k ¹⁰⁷	l ¹⁰⁸	m ¹⁰⁹	n ¹¹⁰	o ¹¹¹	
‘16x	p ¹¹²	q ¹¹³	r ¹¹⁴	s ¹¹⁵	t ¹¹⁶	u ¹¹⁷	v ¹¹⁸	w ¹¹⁹	~7x
‘17x	x ¹²⁰	y ¹²¹	z ¹²²	{ ¹²³	|¹²⁴	} ¹²⁵	~ ¹²⁶	- ¹²⁷	
‘20x	Ǻ ¹²⁸	Ǻ ¹²⁹	Ć ¹³⁰	Č ¹³¹	Ǻ ¹³²	Ǻ ¹³³	Ǻ ¹³⁴	Ǻ ¹³⁵	~8x
‘21x	Ǻ ¹³⁶	Ǻ ¹³⁷	Ǻ ¹³⁸	Ǻ ¹³⁹	Ǻ ¹⁴⁰	Ǻ ¹⁴¹	Ǻ ¹⁴²	Ǻ ¹⁴³	
‘22x	Ǻ ¹⁴⁴	Ǻ ¹⁴⁵	Ǻ ¹⁴⁶	Ǻ ¹⁴⁷	Ǻ ¹⁴⁸	Ǻ ¹⁴⁹	Ǻ ¹⁵⁰	Ǻ ¹⁵¹	~9x
‘23x	Ǻ ¹⁵²	Ǻ ¹⁵³	Ǻ ¹⁵⁴	Ǻ ¹⁵⁵	Ǻ ¹⁵⁶	Ǻ ¹⁵⁷	Ǻ ¹⁵⁸	Ǻ ¹⁵⁹	
‘24x	Ǻ ¹⁶⁰	Ǻ ¹⁶¹	Ǻ ¹⁶²	Ǻ ¹⁶³	Ǻ ¹⁶⁴	Ǻ ¹⁶⁵	Ǻ ¹⁶⁶	Ǻ ¹⁶⁷	~Ax
‘25x	Ǻ ¹⁶⁸	Ǻ ¹⁶⁹	Ǻ ¹⁷⁰	Ǻ ¹⁷¹	Ǻ ¹⁷²	Ǻ ¹⁷³	Ǻ ¹⁷⁴	Ǻ ¹⁷⁵	
‘26x	Ǻ ¹⁷⁶	Ǻ ¹⁷⁷	Ǻ ¹⁷⁸	Ǻ ¹⁷⁹	Ǻ ¹⁸⁰	Ǻ ¹⁸¹	Ǻ ¹⁸²	Ǻ ¹⁸³	~Bx
‘27x	Ǻ ¹⁸⁴	Ǻ ¹⁸⁵	Ǻ ¹⁸⁶	Ǻ ¹⁸⁷	Ǻ ¹⁸⁸	Ǻ ¹⁸⁹	Ǻ ¹⁹⁰	Ǻ ¹⁹¹	
‘30x	Ǻ ¹⁹²	Ǻ ¹⁹³	Ǻ ¹⁹⁴	Ǻ ¹⁹⁵	Ǻ ¹⁹⁶	Ǻ ¹⁹⁷	Ǻ ¹⁹⁸	Ǻ ¹⁹⁹	~Cx
‘31x	Ǻ ²⁰⁰	Ǻ ²⁰¹	Ǻ ²⁰²	Ǻ ²⁰³	Ǻ ²⁰⁴	Ǻ ²⁰⁵	Ǻ ²⁰⁶	Ǻ ²⁰⁷	

<i>32x</i>	<i>Đ</i> ₂₀₈	<i>Ñ</i> ₂₀₉	<i>Ò</i> ₂₁₀	<i>Ó</i> ₂₁₁	<i>Ô</i> ₂₁₂	<i>Õ</i> ₂₁₃	<i>Ö</i> ₂₁₄	<i>Œ</i> ₂₁₅	~Dx
<i>33x</i>	<i>Ø</i> ₂₁₆	<i>Ù</i> ₂₁₇	<i>Ú</i> ₂₁₈	<i>Û</i> ₂₁₉	<i>Ü</i> ₂₂₀	<i>Ý</i> ₂₂₁	<i>Þ</i> ₂₂₂	<i>Û</i> ₂₂₃	
<i>34x</i>	<i>à</i> ₂₂₄	<i>á</i> ₂₂₅	<i>â</i> ₂₂₆	<i>ã</i> ₂₂₇	<i>ä</i> ₂₂₈	<i>å</i> ₂₂₉	<i>æ</i> ₂₃₀	<i>ç</i> ₂₃₁	~Ex
<i>35x</i>	<i>è</i> ₂₃₂	<i>é</i> ₂₃₃	<i>ê</i> ₂₃₄	<i>ë</i> ₂₃₅	<i>ì</i> ₂₃₆	<i>í</i> ₂₃₇	<i>î</i> ₂₃₈	<i>ï</i> ₂₃₉	
<i>36x</i>	<i>ð</i> ₂₄₀	<i>ñ</i> ₂₄₁	<i>ò</i> ₂₄₂	<i>ó</i> ₂₄₃	<i>ô</i> ₂₄₄	<i>õ</i> ₂₄₅	<i>ö</i> ₂₄₆	<i>œ</i> ₂₄₇	~Fx
<i>37x</i>	<i>ø</i> ₂₄₈	<i>ù</i> ₂₄₉	<i>ú</i> ₂₅₀	<i>û</i> ₂₅₁	<i>ü</i> ₂₅₂	<i>ý</i> ₂₅₃	<i>þ</i> ₂₅₄	<i>Û</i> ₂₅₅	
	~8	~9	~A	~B	~C	~D	~E	~F	