

# Inconsolata: T<sub>E</sub>X support\*

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Inconsolata is a monospaced (“typewriter”) font designed by Raph Levien. (It is used for the typewriter material throughout this document.) The location on CTAN for this packaging of the font with T<sub>E</sub>X support is <http://mirror.ctan.org/fonts/inconsolata>.

Raph’s web page for it is <http://levien.com/type/myfonts/inconsolata.html>. Raph discussed its design principles and his working methods in an interview, which is available online at <http://tug.org/interviews>. Its development is ongoing.

Please send questions and suggestions about the T<sub>E</sub>X support to Karl (address above), not Raph. Raph only distributes the OpenType and Type 1 font files themselves.

## 1 Encodings

Inconsolata has good support for Latin, including commonly-used T<sub>E</sub>X encodings. Unfortunately there are a plethora of naming conventions surrounding encodings. This package follows the Latin Modern (<http://mirror.ctan.org/tex-archive/fonts/lm>) names for the TFM files.

This table shows the TFM name, corresponding L<sup>A</sup>T<sub>E</sub>X encoding name, and a description.

<code>ec-inconsolata.tfm</code>	T1	Cork
<code>ei1-inconsolata.tfm</code>	EI1	experimental/extra glyphs
<code>qx-inconsolata.tfm</code>	QX	Polish
<code>rm-inconsolata.tfm</code>	OT1	Computer Modern typewriter
<code>texnansi-inconsolata.tfm</code>	LY1	Windows ANSI
<code>ts1-inconsolata.tfm</code>	TS1	text symbols (incomplete)

To use one or another encoding, give the L<sup>A</sup>T<sub>E</sub>X name to the `fontenc` package as usual, as in:

---

\*This documentation is released to the public domain.

```
\usepackage[T1]{fontenc}
\usepackage{inconsolata}
```

The EI1 encoding deserves a few words of explanation. Raph designed various glyphs which do not appear in any of the usual T<sub>E</sub>X encodings above; EI1 provides access to these. There are no named commands for them, just use `\char` and enjoy. For the glyph names, see the file `fi4-ei1.enc`.

## 2 L<sup>A</sup>T<sub>E</sub>X usage

Here is a minimal L<sup>A</sup>T<sub>E</sub>X document showing the use of Inconsolata:

```
\documentclass{article}
\usepackage{inconsolata}
\begin{document}
\texttt{This is Inconsolata.}
\end{document}
```

Thus, loading `inconsolata.sty` redefines the `\tt` font. The optional `[nott]` argument prevents this redefinition, say for testing. Then there is no way to access the font with the usual L<sup>A</sup>T<sub>E</sub>X commands.

The other package option is `[scaled=R]`, which scales the font according to *R*; the default is 1.0 for no scaling (this document itself does not specify any scaling). Here's an example:

```
\usepackage[scaled=.95]{inconsolata}
```

The `inconsolata.sty` package loads the `textcomp` and `xkeyval` packages, if they are not already loaded. The former is what makes `\texteuro` and the like work, and the latter is how `inconsolata` parses its options.

## 3 Plain T<sub>E</sub>X usage

The TFM names were given in the preceding table. So, for example:

```
\font\tentt = rm-inconsolata % use inconsolata instead of cmtt
{\tt This is Inconsolata.}
```

As usual with plain T<sub>E</sub>X, any other (re)definitions are strictly up to you. This package makes no attempt to hook into any of the various font packages for plain, such as `plnfss` (<http://tug.ctan.org/pkg/plnfss>).

## 4 X usage

If you want to use Inconsolata in X, such as in xterm windows, and your system does not provide a package for it, it is straightforward to set up yourself:

```
cp Inconsolata.otf /some/dir
mkfontscale /some/dir # create fonts.scale
mkfontdir /some/dir   # create fonts.dir from fonts.scale
xset +fp /some/dir    # tell the X server to use it
xlsfonts | grep inconsolata # see if it's there
```

## 5 Dotless j and LY1

For reasons I don't want to go into here, the `\j` command does not work with the LY1 encoding. Perhaps it will be fixed one day. Meanwhile, the glyph itself is available at the standard position (in LY1) of 0x11 in `texnansi-inconsolata.tfm`.

## 6 Font tables

The rest of this document are the font tables for the various encodings, generated by the file `test.tex` in this distribution. The type size is somewhat large simply for ease of inspection of the characters.

Happy typesetting.

ec/T1:

	0	1	2	3	4	5	6	7	
00x	` <sub>0</sub>	´ <sub>1</sub>	^ <sub>2</sub>	~ <sub>3</sub>	¨ <sub>4</sub>	“ <sub>5</sub>	° <sub>6</sub>	ˇ <sub>7</sub>	~0x
01x	˘ <sub>8</sub>	¯ <sub>9</sub>	· <sub>10</sub>	¸ <sub>11</sub>	¸ <sub>12</sub>	, <sub>13</sub>	< <sub>14</sub>	> <sub>15</sub>	
02x	“ <sub>16</sub>	” <sub>17</sub>	„ <sub>18</sub>	« <sub>19</sub>	» <sub>20</sub>	<sub>21</sub>	<sub>22</sub>	<sub>23</sub>	~1x
03x	<sub>24</sub>	l <sub>25</sub>	J <sub>26</sub>	<sub>27</sub>	<sub>28</sub>	<sub>29</sub>	<sub>30</sub>	<sub>31</sub>	
04x	┐ <sub>32</sub>	! <sub>33</sub>	" <sub>34</sub>	# <sub>35</sub>	\$ <sub>36</sub>	% <sub>37</sub>	& <sub>38</sub>	' <sub>39</sub>	~2x
05x	( <sub>40</sub>	) <sub>41</sub>	* <sub>42</sub>	+ <sub>43</sub>	, <sub>44</sub>	- <sub>45</sub>	. <sub>46</sub>	/ <sub>47</sub>	
06x	0 <sub>48</sub>	1 <sub>49</sub>	2 <sub>50</sub>	3 <sub>51</sub>	4 <sub>52</sub>	5 <sub>53</sub>	6 <sub>54</sub>	7 <sub>55</sub>	~3x
07x	8 <sub>56</sub>	9 <sub>57</sub>	: <sub>58</sub>	; <sub>59</sub>	< <sub>60</sub>	= <sub>61</sub>	> <sub>62</sub>	? <sub>63</sub>	
10x	@ <sub>64</sub>	A <sub>65</sub>	B <sub>66</sub>	C <sub>67</sub>	D <sub>68</sub>	E <sub>69</sub>	F <sub>70</sub>	G <sub>71</sub>	~4x
11x	H <sub>72</sub>	I <sub>73</sub>	J <sub>74</sub>	K <sub>75</sub>	L <sub>76</sub>	M <sub>77</sub>	N <sub>78</sub>	O <sub>79</sub>	
12x	P <sub>80</sub>	Q <sub>81</sub>	R <sub>82</sub>	S <sub>83</sub>	T <sub>84</sub>	U <sub>85</sub>	V <sub>86</sub>	W <sub>87</sub>	~5x
13x	X <sub>88</sub>	Y <sub>89</sub>	Z <sub>90</sub>	[ <sub>91</sub>	\ <sub>92</sub>	] <sub>93</sub>	^ <sub>94</sub>	_ <sub>95</sub>	
14x	‘ <sub>96</sub>	a <sub>97</sub>	b <sub>98</sub>	c <sub>99</sub>	d <sub>100</sub>	e <sub>101</sub>	f <sub>102</sub>	g <sub>103</sub>	~6x
15x	h <sub>104</sub>	i <sub>105</sub>	j <sub>106</sub>	k <sub>107</sub>	l <sub>108</sub>	m <sub>109</sub>	n <sub>110</sub>	o <sub>111</sub>	
16x	p <sub>112</sub>	q <sub>113</sub>	r <sub>114</sub>	s <sub>115</sub>	t <sub>116</sub>	u <sub>117</sub>	v <sub>118</sub>	w <sub>119</sub>	~7x
17x	x <sub>120</sub>	y <sub>121</sub>	z <sub>122</sub>	{ <sub>123</sub>	<sub>124</sub>	} <sub>125</sub>	~ <sub>126</sub>	<sub>127</sub>	
20x	Ǻ <sub>128</sub>	Ǻ <sub>129</sub>	Ĉ <sub>130</sub>	Ĉ <sub>131</sub>	Ď <sub>132</sub>	Ě <sub>133</sub>	Ě <sub>134</sub>	Ǻ <sub>135</sub>	~8x
21x	Ǻ <sub>136</sub>	Ǻ <sub>137</sub>	Ǻ <sub>138</sub>	Ǻ <sub>139</sub>	Ǻ <sub>140</sub>	Ǻ <sub>141</sub>	Ǻ <sub>142</sub>	Ǻ <sub>143</sub>	
22x	Ǻ <sub>144</sub>	Ǻ <sub>145</sub>	Ǻ <sub>146</sub>	Ǻ <sub>147</sub>	Ǻ <sub>148</sub>	Ǻ <sub>149</sub>	Ǻ <sub>150</sub>	Ǻ <sub>151</sub>	~9x
23x	Ǻ <sub>152</sub>	Ǻ <sub>153</sub>	Ǻ <sub>154</sub>	Ǻ <sub>155</sub>	<sub>156</sub>	Ǻ <sub>157</sub>	Ǻ <sub>158</sub>	Ǻ <sub>159</sub>	
24x	Ǻ <sub>160</sub>	Ǻ <sub>161</sub>	Ǻ <sub>162</sub>	Ǻ <sub>163</sub>	Ǻ <sub>164</sub>	Ǻ <sub>165</sub>	Ǻ <sub>166</sub>	Ǻ <sub>167</sub>	~Ax
25x	Ǻ <sub>168</sub>	Ǻ <sub>169</sub>	Ǻ <sub>170</sub>	Ǻ <sub>171</sub>	Ǻ <sub>172</sub>	Ǻ <sub>173</sub>	Ǻ <sub>174</sub>	Ǻ <sub>175</sub>	
26x	Ǻ <sub>176</sub>	Ǻ <sub>177</sub>	Ǻ <sub>178</sub>	Ǻ <sub>179</sub>	Ǻ <sub>180</sub>	Ǻ <sub>181</sub>	Ǻ <sub>182</sub>	Ǻ <sub>183</sub>	~Bx
27x	Ǻ <sub>184</sub>	Ǻ <sub>185</sub>	Ǻ <sub>186</sub>	Ǻ <sub>187</sub>	<sub>188</sub>	Ǻ <sub>189</sub>	Ǻ <sub>190</sub>	Ǻ <sub>191</sub>	
30x	Ǻ <sub>192</sub>	Ǻ <sub>193</sub>	Ǻ <sub>194</sub>	Ǻ <sub>195</sub>	Ǻ <sub>196</sub>	Ǻ <sub>197</sub>	Ǻ <sub>198</sub>	Ǻ <sub>199</sub>	~Cx
31x	Ǻ <sub>200</sub>	Ǻ <sub>201</sub>	Ǻ <sub>202</sub>	Ǻ <sub>203</sub>	Ǻ <sub>204</sub>	Ǻ <sub>205</sub>	Ǻ <sub>206</sub>	Ǻ <sub>207</sub>	
32x	Ǻ <sub>208</sub>	Ǻ <sub>209</sub>	Ǻ <sub>210</sub>	Ǻ <sub>211</sub>	Ǻ <sub>212</sub>	Ǻ <sub>213</sub>	Ǻ <sub>214</sub>	Ǻ <sub>215</sub>	~Dx
33x	Ǻ <sub>216</sub>	Ǻ <sub>217</sub>	Ǻ <sub>218</sub>	Ǻ <sub>219</sub>	Ǻ <sub>220</sub>	Ǻ <sub>221</sub>	Ǻ <sub>222</sub>	<sub>223</sub>	
34x	Ǻ <sub>224</sub>	Ǻ <sub>225</sub>	Ǻ <sub>226</sub>	Ǻ <sub>227</sub>	Ǻ <sub>228</sub>	Ǻ <sub>229</sub>	Ǻ <sub>230</sub>	Ǻ <sub>231</sub>	~Ex
35x	Ǻ <sub>232</sub>	Ǻ <sub>233</sub>	Ǻ <sub>234</sub>	Ǻ <sub>235</sub>	Ǻ <sub>236</sub>	Ǻ <sub>237</sub>	Ǻ <sub>238</sub>	Ǻ <sub>239</sub>	
36x	Ǻ <sub>240</sub>	Ǻ <sub>241</sub>	Ǻ <sub>242</sub>	Ǻ <sub>243</sub>	Ǻ <sub>244</sub>	Ǻ <sub>245</sub>	Ǻ <sub>246</sub>	Ǻ <sub>247</sub>	~Fx
37x	Ǻ <sub>248</sub>	Ǻ <sub>249</sub>	Ǻ <sub>250</sub>	Ǻ <sub>251</sub>	Ǻ <sub>252</sub>	Ǻ <sub>253</sub>	Ǻ <sub>254</sub>	Ǻ <sub>255</sub>	
	~8	~9	~A	~B	~C	~D	~E	~F	

EI1:

	<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>	<i>´</i> <sub>0</sub>	<i>˘</i> <sub>1</sub>	<i>ˆ</i> <sub>2</sub>	<i>`</i> <sub>3</sub>	<i>¨</i> <sub>4</sub>	<i>˘</i> <sub>5</sub>	<b>K</b> <sub>6</sub>	<b>Ö</b> <sub>7</sub>	<i>~0x</i>
<i>01x</i>	<b>r</b> <sub>8</sub>	<b>0</b> <sub>9</sub>	<b>4</b> <sub>10</sub>	<sub>11</sub>	<sub>12</sub>	<sub>13</sub>	<sub>14</sub>	<sub>15</sub>	
	<i>~8</i>	<i>~9</i>	<i>~A</i>	<i>~B</i>	<i>~C</i>	<i>~D</i>	<i>~E</i>	<i>~F</i>	

qx/QXtt:

	0	1	2	3	4	5	6	7	
00x	0	1	2	3	4	5	6	μ <sub>7</sub>	~0x
01x	… <sub>8</sub>	9	10	↑ <sub>11</sub>	↓ <sub>12</sub>	' <sub>13</sub>	ı <sub>14</sub>	İ <sub>15</sub>	
02x	ı <sub>16</sub>	ı <sub>17</sub>	` <sub>18</sub>	' <sub>19</sub>	˘ <sub>20</sub>	˘ <sub>21</sub>	– <sub>22</sub>	° <sub>23</sub>	~1x
03x	˘ <sub>24</sub>	ß <sub>25</sub>	æ <sub>26</sub>	æ <sub>27</sub>	ø <sub>28</sub>	Æ <sub>29</sub>	Œ <sub>30</sub>	Ø <sub>31</sub>	
04x	ı <sub>32</sub>	! <sub>33</sub>	" <sub>34</sub>	# <sub>35</sub>	\$ <sub>36</sub>	% <sub>37</sub>	& <sub>38</sub>	' <sub>39</sub>	~2x
05x	( <sub>40</sub>	) <sub>41</sub>	* <sub>42</sub>	+ <sub>43</sub>	, <sub>44</sub>	– <sub>45</sub>	. <sub>46</sub>	/ <sub>47</sub>	
06x	0 <sub>48</sub>	1 <sub>49</sub>	2 <sub>50</sub>	3 <sub>51</sub>	4 <sub>52</sub>	5 <sub>53</sub>	6 <sub>54</sub>	7 <sub>55</sub>	~3x
07x	8 <sub>56</sub>	9 <sub>57</sub>	: <sub>58</sub>	;59	< <sub>60</sub>	= <sub>61</sub>	> <sub>62</sub>	? <sub>63</sub>	
10x	@ <sub>64</sub>	A <sub>65</sub>	B <sub>66</sub>	C <sub>67</sub>	D <sub>68</sub>	E <sub>69</sub>	F <sub>70</sub>	G <sub>71</sub>	~4x
11x	H <sub>72</sub>	I <sub>73</sub>	J <sub>74</sub>	K <sub>75</sub>	L <sub>76</sub>	M <sub>77</sub>	N <sub>78</sub>	O <sub>79</sub>	
12x	P <sub>80</sub>	Q <sub>81</sub>	R <sub>82</sub>	S <sub>83</sub>	T <sub>84</sub>	U <sub>85</sub>	V <sub>86</sub>	W <sub>87</sub>	~5x
13x	X <sub>88</sub>	Y <sub>89</sub>	Z <sub>90</sub>	[ <sub>91</sub>	\ <sub>92</sub>	] <sub>93</sub>	^ <sub>94</sub>	_ <sub>95</sub>	
14x	‘ <sub>96</sub>	a <sub>97</sub>	b <sub>98</sub>	c <sub>99</sub>	d <sub>100</sub>	e <sub>101</sub>	f <sub>102</sub>	g <sub>103</sub>	~6x
15x	h <sub>104</sub>	i <sub>105</sub>	j <sub>106</sub>	k <sub>107</sub>	l <sub>108</sub>	m <sub>109</sub>	n <sub>110</sub>	o <sub>111</sub>	
16x	p <sub>112</sub>	q <sub>113</sub>	r <sub>114</sub>	s <sub>115</sub>	t <sub>116</sub>	u <sub>117</sub>	v <sub>118</sub>	w <sub>119</sub>	~7x
17x	x <sub>120</sub>	y <sub>121</sub>	z <sub>122</sub>	{ <sub>123</sub>	<sub>124</sub>	} <sub>125</sub>	~ <sub>126</sub>	¨ <sub>127</sub>	
20x	€ <sub>128</sub>	À <sub>129</sub>	Ć <sub>130</sub>	<sub>131</sub>	<sub>132</sub>	<sub>133</sub>	Ē <sub>134</sub>	<sub>135</sub>	~8x
21x	<sub>136</sub>	<sub>137</sub>	Ł <sub>138</sub>	Ń <sub>139</sub>	~ <sub>140</sub>	^ <sub>141</sub>	<sub>142</sub>	† <sub>143</sub>	
22x	‡ <sub>144</sub>	Ŝ <sub>145</sub>	Š <sub>146</sub>	<sub>147</sub>	° <sub>148</sub>	<sub>149</sub>	€ <sub>150</sub>	<sub>151</sub>	~9x
23x	ÿ <sub>152</sub>	Ž <sub>153</sub>	Ž <sub>154</sub>	Ž <sub>155</sub>	<sub>156</sub>	<sub>157</sub>	<sub>158</sub>	§ <sub>159</sub>	
24x	<sub>160</sub>	ą <sub>161</sub>	Ć <sub>162</sub>	® <sub>163</sub>	© <sub>164</sub>	÷ <sub>165</sub>	₺ <sub>166</sub>	<sub>167</sub>	~Ax
25x	– <sub>168</sub>	× <sub>169</sub>	ł <sub>170</sub>	ń <sub>171</sub>	± <sub>172</sub>	<sub>173</sub>	« <sub>174</sub>	» <sub>175</sub>	
26x	¶ <sub>176</sub>	ś <sub>177</sub>	š <sub>178</sub>	<sub>179</sub>	• <sub>180</sub>	<sub>181</sub>	<sub>182</sub>	<sub>183</sub>	~Bx
27x	ÿ <sub>184</sub>	ž <sub>185</sub>	ž <sub>186</sub>	ž <sub>187</sub>	<sub>188</sub>	• <sub>189</sub>	<sub>190</sub>	<sub>191</sub>	
30x	À <sub>192</sub>	Á <sub>193</sub>	Â <sub>194</sub>	Ã <sub>195</sub>	Ä <sub>196</sub>	Å <sub>197</sub>	<sub>198</sub>	Ç <sub>199</sub>	~Cx
31x	È <sub>200</sub>	É <sub>201</sub>	Ê <sub>202</sub>	Ë <sub>203</sub>	Ì <sub>204</sub>	Í <sub>205</sub>	Î <sub>206</sub>	Ï <sub>207</sub>	
32x	Đ <sub>208</sub>	Ñ <sub>209</sub>	Ò <sub>210</sub>	Ó <sub>211</sub>	Ô <sub>212</sub>	Õ <sub>213</sub>	Ö <sub>214</sub>	Ɽ <sub>215</sub>	~Dx
33x	<sub>216</sub>	Ù <sub>217</sub>	Ú <sub>218</sub>	Û <sub>219</sub>	Ü <sub>220</sub>	Ý <sub>221</sub>	Þ <sub>222</sub>	<sub>223</sub>	
34x	à <sub>224</sub>	á <sub>225</sub>	â <sub>226</sub>	ã <sub>227</sub>	ä <sub>228</sub>	å <sub>229</sub>	<sub>230</sub>	Ç <sub>231</sub>	~Ex
35x	è <sub>232</sub>	é <sub>233</sub>	ê <sub>234</sub>	ë <sub>235</sub>	ì <sub>236</sub>	í <sub>237</sub>	î <sub>238</sub>	ï <sub>239</sub>	
36x	ď <sub>240</sub>	ň <sub>241</sub>	ò <sub>242</sub>	ó <sub>243</sub>	ô <sub>244</sub>	õ <sub>245</sub>	ö <sub>246</sub>	<sub>247</sub>	~Fx
37x	<sub>248</sub>	ù <sub>249</sub>	ú <sub>250</sub>	û <sub>251</sub>	ü <sub>252</sub>	ý <sub>253</sub>	þ <sub>254</sub>	„ <sub>255</sub>	
	~8	~9	~A	~B	~C	~D	~E	~F	

rm/OT1tt:

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

texnansi/LY1:

	ˆ0	ˆ1	ˆ2	ˆ3	ˆ4	ˆ5	ˆ6	ˆ7	
ˆ00x	0	€ <sub>1</sub>	2	3	/ <sub>4</sub>	˙ <sub>5</sub>	” <sub>6</sub>	¸ <sub>7</sub>	ˆ0x
ˆ01x	8	9	10	11	12	13	14	15	
ˆ02x	ı <sub>16</sub>	ı <sub>17</sub>	` <sub>18</sub>	’ <sub>19</sub>	˘ <sub>20</sub>	˘ <sub>21</sub>	– <sub>22</sub>	° <sub>23</sub>	ˆ1x
ˆ03x	¸ <sub>24</sub>	ß <sub>25</sub>	æ <sub>26</sub>	æ <sub>27</sub>	ø <sub>28</sub>	Æ <sub>29</sub>	Œ <sub>30</sub>	Ø <sub>31</sub>	
ˆ04x	32	! <sub>33</sub>	” <sub>34</sub>	# <sub>35</sub>	\$ <sub>36</sub>	% <sub>37</sub>	& <sub>38</sub>	’ <sub>39</sub>	ˆ2x
ˆ05x	( <sub>40</sub> )	) <sub>41</sub>	* <sub>42</sub>	+ <sub>43</sub>	, <sub>44</sub>	– <sub>45</sub>	· <sub>46</sub>	/ <sub>47</sub>	
ˆ06x	0 <sub>48</sub>	1 <sub>49</sub>	2 <sub>50</sub>	3 <sub>51</sub>	4 <sub>52</sub>	5 <sub>53</sub>	6 <sub>54</sub>	7 <sub>55</sub>	ˆ3x
ˆ07x	8 <sub>56</sub>	9 <sub>57</sub>	: <sub>58</sub>	; <sub>59</sub>	< <sub>60</sub>	= <sub>61</sub>	> <sub>62</sub>	? <sub>63</sub>	
ˆ10x	@ <sub>64</sub>	A <sub>65</sub>	B <sub>66</sub>	C <sub>67</sub>	D <sub>68</sub>	E <sub>69</sub>	F <sub>70</sub>	G <sub>71</sub>	ˆ4x
ˆ11x	H <sub>72</sub>	I <sub>73</sub>	J <sub>74</sub>	K <sub>75</sub>	L <sub>76</sub>	M <sub>77</sub>	N <sub>78</sub>	O <sub>79</sub>	
ˆ12x	P <sub>80</sub>	Q <sub>81</sub>	R <sub>82</sub>	S <sub>83</sub>	T <sub>84</sub>	U <sub>85</sub>	V <sub>86</sub>	W <sub>87</sub>	ˆ5x
ˆ13x	X <sub>88</sub>	Y <sub>89</sub>	Z <sub>90</sub>	[ <sub>91</sub>	\ <sub>92</sub>	] <sub>93</sub>	^ <sub>94</sub>	_ <sub>95</sub>	
ˆ14x	‘ <sub>96</sub>	a <sub>97</sub>	b <sub>98</sub>	c <sub>99</sub>	d <sub>100</sub>	e <sub>101</sub>	f <sub>102</sub>	g <sub>103</sub>	ˆ6x
ˆ15x	h <sub>104</sub>	i <sub>105</sub>	j <sub>106</sub>	k <sub>107</sub>	l <sub>108</sub>	m <sub>109</sub>	n <sub>110</sub>	o <sub>111</sub>	
ˆ16x	p <sub>112</sub>	q <sub>113</sub>	r <sub>114</sub>	s <sub>115</sub>	t <sub>116</sub>	u <sub>117</sub>	v <sub>118</sub>	w <sub>119</sub>	ˆ7x
ˆ17x	x <sub>120</sub>	y <sub>121</sub>	z <sub>122</sub>	{ <sub>123</sub>	<sub>124</sub>	} <sub>125</sub>	~ <sub>126</sub>	¨ <sub>127</sub>	
ˆ20x	Ł <sub>128</sub>	’ <sub>129</sub>	, <sub>130</sub>	f <sub>131</sub>	„ <sub>132</sub>	… <sub>133</sub>	† <sub>134</sub>	‡ <sub>135</sub>	ˆ8x
ˆ21x	^ <sub>136</sub>	<sub>137</sub>	Š <sub>138</sub>	< <sub>139</sub>	Œ <sub>140</sub>	Ž <sub>141</sub>	^ <sub>142</sub>	– <sub>143</sub>	
ˆ22x	ı <sub>144</sub>	‘ <sub>145</sub>	’ <sub>146</sub>	“ <sub>147</sub>	” <sub>148</sub>	• <sub>149</sub>	<sub>150</sub>	<sub>151</sub>	ˆ9x
ˆ23x	~ <sub>152</sub>	™ <sub>153</sub>	Š <sub>154</sub>	> <sub>155</sub>	æ <sub>156</sub>	ž <sub>157</sub>	~ <sub>158</sub>	ÿ <sub>159</sub>	
ˆ24x	<sub>160</sub>	ı <sub>161</sub>	¢ <sub>162</sub>	£ <sub>163</sub>	¤ <sub>164</sub>	¥ <sub>165</sub>	ı <sub>166</sub>	§ <sub>167</sub>	ˆAx
ˆ25x	¨ <sub>168</sub>	© <sub>169</sub>	¸ <sub>170</sub>	« <sub>171</sub>	¬ <sub>172</sub>	– <sub>173</sub>	® <sub>174</sub>	– <sub>175</sub>	
ˆ26x	° <sub>176</sub>	± <sub>177</sub>	2 <sub>178</sub>	3 <sub>179</sub>	’ <sub>180</sub>	μ <sub>181</sub>	¶ <sub>182</sub>	· <sub>183</sub>	ˆBx
ˆ27x	¸ <sub>184</sub>	1 <sub>185</sub>	º <sub>186</sub>	» <sub>187</sub>	¼ <sub>188</sub>	½ <sub>189</sub>	¾ <sub>190</sub>	ı <sub>191</sub>	
ˆ30x	À <sub>192</sub>	Á <sub>193</sub>	Â <sub>194</sub>	Ã <sub>195</sub>	Ä <sub>196</sub>	Å <sub>197</sub>	Æ <sub>198</sub>	Ç <sub>199</sub>	ˆCx
ˆ31x	È <sub>200</sub>	É <sub>201</sub>	Ê <sub>202</sub>	Ë <sub>203</sub>	Ì <sub>204</sub>	Í <sub>205</sub>	Î <sub>206</sub>	Ï <sub>207</sub>	
ˆ32x	Ð <sub>208</sub>	Ñ <sub>209</sub>	Ò <sub>210</sub>	Ó <sub>211</sub>	Ô <sub>212</sub>	Õ <sub>213</sub>	Ö <sub>214</sub>	× <sub>215</sub>	ˆDx
ˆ33x	Ø <sub>216</sub>	Ù <sub>217</sub>	Ú <sub>218</sub>	Û <sub>219</sub>	Ü <sub>220</sub>	Ý <sub>221</sub>	Þ <sub>222</sub>	ß <sub>223</sub>	
ˆ34x	à <sub>224</sub>	á <sub>225</sub>	â <sub>226</sub>	ã <sub>227</sub>	ä <sub>228</sub>	å <sub>229</sub>	æ <sub>230</sub>	ç <sub>231</sub>	ˆEx
ˆ35x	è <sub>232</sub>	é <sub>233</sub>	ê <sub>234</sub>	ë <sub>235</sub>	ì <sub>236</sub>	í <sub>237</sub>	î <sub>238</sub>	ï <sub>239</sub>	
ˆ36x	ð <sub>240</sub>	ñ <sub>241</sub>	ò <sub>242</sub>	ó <sub>243</sub>	ô <sub>244</sub>	õ <sub>245</sub>	ö <sub>246</sub>	÷ <sub>247</sub>	ˆFx
ˆ37x	ø <sub>248</sub>	ù <sub>249</sub>	ú <sub>250</sub>	û <sub>251</sub>	ü <sub>252</sub>	ý <sub>253</sub>	þ <sub>254</sub>	ÿ <sub>255</sub>	
	ˆ8	ˆ9	ˆA	ˆB	ˆC	ˆD	ˆE	ˆF	



TS1:

	0	1	2	3	4	5	6	7	
00x	` <sub>0</sub>	' <sub>1</sub>	^ <sub>2</sub>	~ <sub>3</sub>	¨ <sub>4</sub>	” <sub>5</sub>	° <sub>6</sub>	ˇ <sub>7</sub>	~0x
01x	˘ <sub>8</sub>	¯ <sub>9</sub>	· <sub>10</sub>	˙ <sub>11</sub>	€ <sub>12</sub>	<sub>13</sub>	<sub>14</sub>	<sub>15</sub>	
04x	<sub>32</sub>	<sub>33</sub>	<sub>34</sub>	<sub>35</sub>	\$ <sub>36</sub>	<sub>37</sub>	<sub>38</sub>	<sub>39</sub>	~2x
05x	<sub>40</sub>	<sub>41</sub>	<sub>42</sub>	<sub>43</sub>	, <sub>44</sub>	<sub>45</sub>	· <sub>46</sub>	/ <sub>47</sub>	
06x	<sub>48</sub>	<sub>49</sub>	<sub>50</sub>	<sub>51</sub>	<sub>52</sub>	<sub>53</sub>	<sub>54</sub>	<sub>55</sub>	~3x
07x	<sub>56</sub>	<sub>57</sub>	<sub>58</sub>	<sub>59</sub>	<sub>60</sub>	— <sub>61</sub>	<sub>62</sub>	<sub>63</sub>	
12x	<sub>80</sub>	<sub>81</sub>	<sub>82</sub>	<sub>83</sub>	<sub>84</sub>	<sub>85</sub>	<sub>86</sub>	<sub>87</sub>	~5x
13x	<sub>88</sub>	<sub>89</sub>	<sub>90</sub>	<sub>91</sub>	<sub>92</sub>	<sub>93</sub>	↑ <sub>94</sub>	↓ <sub>95</sub>	
20x	<sub>128</sub>	<sub>129</sub>	<sub>130</sub>	<sub>131</sub>	† <sub>132</sub>	‡ <sub>133</sub>	<sub>134</sub>	<sub>135</sub>	~8x
21x	• <sub>136</sub>	<sub>137</sub>	<sub>138</sub>	<sub>139</sub>	f <sub>140</sub>	<sub>141</sub>	<sub>142</sub>	<sub>143</sub>	
22x	<sub>144</sub>	<sub>145</sub>	<sub>146</sub>	<sub>147</sub>	<sub>148</sub>	<sub>149</sub>	<sub>150</sub>	™ <sub>151</sub>	~9x
23x	<sub>152</sub>	<sub>153</sub>	<sub>154</sub>	<sub>155</sub>	<sub>156</sub>	<sub>157</sub>	<sub>158</sub>	<sub>159</sub>	
24x	<sub>160</sub>	<sub>161</sub>	¢ <sub>162</sub>	£ <sub>163</sub>	¤ <sub>164</sub>	¥ <sub>165</sub>	¦ <sub>166</sub>	§ <sub>167</sub>	~Ax
25x	<sub>168</sub>	© <sub>169</sub>	ª <sub>170</sub>	<sub>171</sub>	¬ <sub>172</sub>	<sub>173</sub>	® <sub>174</sub>	<sub>175</sub>	
26x	° <sub>176</sub>	± <sub>177</sub>	² <sub>178</sub>	³ <sub>179</sub>	<sub>180</sub>	μ <sub>181</sub>	¶ <sub>182</sub>	· <sub>183</sub>	~Bx
27x	<sub>184</sub>	¹ <sub>185</sub>	º <sub>186</sub>	<sub>187</sub>	¼ <sub>188</sub>	½ <sub>189</sub>	<sub>190</sub>	€ <sub>191</sub>	
32x	<sub>208</sub>	<sub>209</sub>	<sub>210</sub>	<sub>211</sub>	<sub>212</sub>	<sub>213</sub>	× <sub>214</sub>	<sub>215</sub>	~Dx
33x	<sub>216</sub>	<sub>217</sub>	<sub>218</sub>	<sub>219</sub>	<sub>220</sub>	<sub>221</sub>	<sub>222</sub>	<sub>223</sub>	
36x	<sub>240</sub>	<sub>241</sub>	<sub>242</sub>	<sub>243</sub>	<sub>244</sub>	<sub>245</sub>	÷ <sub>246</sub>	<sub>247</sub>	~Fx
37x	<sub>248</sub>	<sub>249</sub>	<sub>250</sub>	<sub>251</sub>	<sub>252</sub>	<sub>253</sub>	<sub>254</sub>	<sub>255</sub>	
	~8	~9	~A	~B	~C	~D	~E	~F	