

# Charis SIL - Font Features

Charis SIL is an OpenType-enabled font family that supports the Latin and Cyrillic scripts. It includes a number of optional features that may be useful or required for particular uses or languages. This document lists all the available features.

These OpenType features are primarily specified using four-letter tags (e.g. 'cv17'), although some applications may provide a direct way to control certain common features such as small caps. For more information on how to access OpenType features in specific environments and applications, see [Using Font Features](#).

*Please note that Graphite support has been removed in the current release, but continues to be available in the version 5 fonts. See our [Previous Versions archive](#).*

This page uses web fonts (WOFF2) to demonstrate font features and should display correctly in all modern browsers. For a more concise example of how to use Charis SIL as a web font see *CharisSIL-webfont-example.html* in the font package *web* folder. For detailed information see [Using SIL Fonts on Web Pages](#).

*If this document is not displaying correctly a PDF version is also provided in the documentation/pdf folder of the release package.*

## Complete feature list

### Stylistic alternates

#### Small caps from lowercase

Affects: all lowercase letters with capital equivalents

Feature	Sample	Feature setting
Standard	a ... Z (all letters with capital equivalents)	smcp=0
Small caps	A ... Z (all letters with capital equivalents)	smcp=1

#### Small caps from capitals

*This feature is not supported in TypeTuner Web.*

Affects: all capitals

Feature	Sample	Feature setting
Standard	A ... Z (all capitals)	c2sc=0
Small caps	A ... Z (all capitals)	c2sc=1

#### Single-story a and g

*This feature was formerly called 'Literacy alternates'.*

Affects: U+0061 U+00AA U+00E0 U+00E1 U+00E2 U+00E3 U+00E4 U+00E5 U+0101 U+0103 U+0105 U+01CE U+01DF U+01E1 U+01FB  
U+0201 U+0203 U+0227 U+1E01 U+1E9A U+1EA1 U+1EA3 U+1EA5 U+1EA7 U+1EA9 U+1EAB U+1EAD U+1EAF U+1EB1 U+1EB3 U+1EB5  
U+1EB7 U+2C65 U+2090 U+1D43 U+0363 U+0067 U+011D U+011F U+0121 U+0123 U+01E7 U+01F5 U+01E5 U+1E21 U+A7A1 U+1D4D

Feature	Sample	Feature setting
Standard	a <sup>a</sup> à á â ã ä å ā ă ą ǎ ā ā á à ą ą ą á à ǎ ã â á à ǎ ă ǎ ǎ ǎ <sup>a</sup> ǎ ǎ ǎ ǎ ǎ ǎ ǎ ǎ ǎ <sup>g</sup>	ss01=0
Single-story	α <sup>a</sup> à á â ã ä å ā ă ą ǎ ā ā á à ą ą ą á ã á ã â á ä ă ǎ ǎ ǎ <sup>a</sup> ǎ ǎ ǎ ǎ ǎ ǎ ǎ ǎ ǎ <sup>g</sup>	ss01=1

### Single-story a (only)

Affects: U+0061 U+00AA U+00E0 U+00E1 U+00E2 U+00E3 U+00E4 U+00E5 U+0101 U+0103 U+0105 U+01CE U+01DF U+01E1 U+01FB  
U+0201 U+0203 U+0227 U+1E01 U+1E9A U+1EA1 U+1EA3 U+1EA5 U+1EA7 U+1EA9 U+1EAB U+1EAD U+1EAF U+1EB1 U+1EB3 U+1EB5  
U+1EB7 U+2C65 U+2090 U+1D43 U+0363

Feature	Sample	Feature setting
Standard	<p>a <sup>a</sup> à á â ã ä å ā ă ą ǎ ǎ́ ǎ̂ ǎ̃ ǎ̄ ǎ̅ ǎ̆ ǎ̇ ǎ̈ ǎ̉ ǎ̊ ǎ̋ ǎ̌ ǎ̍ ǎ̎ ǎ̏ ǎ̐ ǎ̑ ǎ̒ ǎ̓ ǎ̔ ǎ̕ ǎ̖ ǎ̗ ǎ̘ ǎ̙ ǎ̚ ǎ̛ ǎ̜ ǎ̝ ǎ̞ ǎ̟ ǎ̠ ǎ̡ ǎ̢ ạ̌ ǎ̤ ḁ̌ ǎ̦ ǎ̧ ą̌ ǎ̩ ǎ̪ ǎ̫ ǎ̬ ǎ̭ ǎ̮ ǎ̯ ǎ̰ ǎ̱ ǎ̲ ǎ̳ ǎ̴ ǎ̵ ǎ̶ ǎ̷ ǎ̸ ǎ̹ ǎ̺ ǎ̻ ǎ̼ ǎ̽ ǎ̾ ǎ̿ ǎ̀ ǎ́ ǎ͂ ǎ̓ ǎ̈́ ǎͅ ǎ͆ ǎ͇ ǎ͈ ǎ͉ ǎ͊ ǎ͋ ǎ͌ ǎ͍ ǎ͎ ǎ͏ ǎ͐ ǎ͑ ǎ͒ ǎ͓ ǎ͔ ǎ͕ ǎ͖ ǎ͗ ǎ͘ ǎ͙ ǎ͚ ǎ͛ ǎ͜ ǎ͝ ǎ͞ ǎ͟ ǎ͠ ǎ͡ ǎ͢ ǎͣ ǎͤ ǎͥ ǎͦ ǎͧ ǎͨ ǎͩ ǎͪ ǎͫ ǎͬ ǎͭ ǎͮ ǎͯ ǎͰ ǎͱ ǎͲ ǎͳ ǎʹ ǎ͵ ǎͶ ǎͷ ǎ͸ ǎ͹ ǎͺ ǎͻ ǎͼ ǎͽ ǎͿ ǎ̀͂ ǎ̀̓ ǎ̀̈́ ǎ̀ͅ ǎ̀͆ ǎ͇̀ ǎ͈̀ ǎ͉̀ ǎ̀͊ ǎ̀͋ ǎ̀͌ ǎ͍̀ ǎ͎̀ ǎ̀͏ ǎ̀͐ ǎ̀͑ ǎ̀͒ ǎ͓̀ ǎ͔̀ ǎ͕̀ ǎ͖̀ ǎ̀͗ ǎ̀͘ ǎ͙̀ ǎ͚̀ ǎ̀͛ ǎ̀͜ ǎ̀͝ ǎ̀͞ ǎ̀͟ ǎ̀͠ ǎ̀͡ ǎ̀͢ ǎ̀ͣ ǎ̀ͤ ǎ̀ͥ ǎ̀ͦ ǎ̀ͧ ǎ̀ͨ ǎ̀ͩ ǎ̀ͪ ǎ̀ͫ ǎ̀ͬ ǎ̀ͭ ǎ̀ͮ ǎ̀ͯ ǎ̀Ͱ ǎ̀ͱ ǎ̀Ͳ ǎ̀ͳ ǎ̀ʹ ǎ̀͵ ǎ̀Ͷ ǎ̀ͷ ǎ̀͸ ǎ̀͹ ǎ̀ͺ ǎ̀ͻ ǎ̀ͼ ǎ̀ͽ ǎ̀Ϳ ǎ̀̀͂ ǎ̀̀̓ ǎ̀̀̈́ ǎ̀̀ͅ ǎ̀̀͆ ǎ͇̀̀ ǎ͈̀̀ ǎ͉̀̀ ǎ̀̀͊ ǎ̀̀͋ ǎ̀̀͌ ǎ͍̀̀ ǎ͎̀̀ ǎ̀̀͏ ǎ̀̀͐ ǎ̀̀͑ ǎ̀̀͒ ǎ͓̀̀ ǎ͔̀̀ ǎ͕̀̀ ǎ͖̀̀ ǎ̀̀͗ ǎ̀̀͘ ǎ͙̀̀ ǎ͚̀̀ ǎ̀̀͛ ǎ̀̀͜ ǎ̀̀͝ ǎ̀̀͞ ǎ̀̀͟ ǎ̀̀͠ ǎ̀̀͡ ǎ̀̀͢ ǎ̀̀ͣ ǎ̀̀ͤ ǎ̀̀ͥ ǎ̀̀ͦ ǎ̀̀ͧ ǎ̀̀ͨ ǎ̀̀ͩ ǎ̀̀ͪ ǎ̀̀ͫ ǎ̀̀ͬ ǎ̀̀ͭ ǎ̀̀ͮ ǎ̀̀ͯ ǎ̀̀Ͱ ǎ̀̀ͱ ǎ̀̀Ͳ ǎ̀̀ͳ ǎ̀̀ʹ ǎ̀̀͵ ǎ̀̀Ͷ ǎ̀̀ͷ ǎ̀̀͸ ǎ̀̀͹ ǎ̀̀ͺ ǎ̀̀ͻ ǎ̀̀ͼ ǎ̀̀ͽ ǎ̀̀Ϳ ǎ̀̀̀͂ ǎ̀̀̀̓ ǎ̀̀̀̈́ ǎ̀̀̀ͅ ǎ̀̀̀͆ ǎ͇̀̀̀ ǎ͈̀̀̀ ǎ͉̀̀̀ ǎ̀̀̀͊ ǎ̀̀̀͋ ǎ̀̀̀͌ ǎ͍̀̀̀ ǎ͎̀̀̀ ǎ̀̀̀͏ ǎ̀̀̀͐ ǎ̀̀̀͑ ǎ̀̀̀͒ ǎ͓̀̀̀ ǎ͔̀̀̀ ǎ͕̀̀̀ ǎ͖̀̀̀ ǎ̀̀̀͗ ǎ̀̀̀͘ ǎ͙̀̀̀ ǎ͚̀̀̀ ǎ̀̀̀͛ ǎ̀̀̀͜ ǎ̀̀̀͝ ǎ̀̀̀͞ ǎ̀̀̀͟ ǎ̀̀̀͠ ǎ̀̀̀͡ ǎ̀̀̀͢ ǎ̀̀̀ͣ ǎ̀̀̀ͤ ǎ̀̀̀ͥ ǎ̀̀̀ͦ ǎ̀̀̀ͧ ǎ̀̀̀ͨ ǎ̀̀̀ͩ ǎ̀̀̀ͪ ǎ̀̀̀ͫ ǎ̀̀̀ͬ ǎ̀̀̀ͭ ǎ̀̀̀ͮ ǎ̀̀̀ͯ ǎ̀̀̀Ͱ ǎ̀̀̀ͱ ǎ̀̀̀Ͳ ǎ̀̀̀ͳ ǎ̀̀̀ʹ ǎ̀̀̀͵ ǎ̀̀̀Ͷ ǎ̀̀̀ͷ ǎ̀̀̀͸ ǎ̀̀̀͹ ǎ̀̀̀ͺ ǎ̀̀̀ͻ ǎ̀̀̀ͼ ǎ̀̀̀ͽ ǎ̀̀̀Ϳ ǎ̀̀̀̀͂ ǎ̀̀̀̀̓ ǎ̀̀̀̀̈́ ǎ̀̀̀̀ͅ ǎ̀̀̀̀͆ ǎ͇̀̀̀̀ ǎ͈̀̀̀̀ ǎ͉̀̀̀̀ ǎ̀̀̀̀͊ ǎ̀̀̀̀͋ ǎ̀̀̀̀͌ ǎ͍̀̀̀̀ ǎ͎̀̀̀̀ ǎ̀̀̀̀͏ ǎ̀̀̀̀͐ ǎ̀̀̀̀͑ ǎ̀̀̀̀͒ ǎ͓̀̀̀̀ ǎ͔̀̀̀̀ ǎ͕̀̀̀̀ ǎ͖̀̀̀̀ ǎ̀̀̀̀͗ ǎ̀̀̀̀͘ ǎ͙̀̀̀̀ ǎ͚̀̀̀̀ ǎ̀̀̀̀͛ ǎ̀̀̀̀͜ ǎ̀̀̀̀͝ ǎ̀̀̀̀͞ ǎ̀̀̀̀͟ ǎ̀̀̀̀͠ ǎ̀̀̀̀͡ ǎ̀̀̀̀͢ ǎ̀̀̀̀ͣ ǎ̀̀̀̀ͤ ǎ̀̀̀̀ͥ ǎ̀̀̀̀ͦ ǎ̀̀̀̀ͧ ǎ̀̀̀̀ͨ ǎ̀̀̀̀ͩ ǎ̀̀̀̀ͪ ǎ̀̀̀̀ͫ ǎ̀̀̀̀ͬ ǎ̀̀̀̀ͭ ǎ̀̀̀̀ͮ ǎ̀̀̀̀ͯ ǎ̀̀̀̀Ͱ ǎ̀̀̀̀ͱ ǎ̀̀̀̀Ͳ ǎ̀̀̀̀ͳ ǎ̀̀̀̀ʹ ǎ̀̀̀̀͵ ǎ̀̀̀̀Ͷ ǎ̀̀̀̀ͷ ǎ̀̀̀̀͸ ǎ̀̀̀̀͹ ǎ̀̀̀̀ͺ ǎ̀̀̀̀ͻ ǎ̀̀̀̀ͼ ǎ̀̀̀̀ͽ ǎ̀̀̀̀Ϳ ǎ̀̀̀̀̀͂ ǎ̀̀̀̀̀̓ ǎ̀̀̀̀̀̈́ ǎ̀̀̀̀̀ͅ ǎ̀̀̀̀̀͆ ǎ͇̀̀̀̀̀ ǎ͈̀̀̀̀̀ ǎ͉̀̀̀̀̀ ǎ̀̀̀̀̀͊ ǎ̀̀̀̀̀͋ ǎ̀̀̀̀̀͌ ǎ͍̀̀̀̀̀ ǎ͎̀̀̀̀̀ ǎ̀̀̀̀̀͏ ǎ̀̀̀̀̀͐ ǎ̀̀̀̀̀͑ ǎ̀̀̀̀̀͒ ǎ͓̀̀̀̀̀ ǎ͔̀̀̀̀̀ ǎ͕̀̀̀̀̀ ǎ͖̀̀̀̀̀ ǎ̀̀̀̀̀͗ ǎ̀̀̀̀̀͘ ǎ͙̀̀̀̀̀ ǎ͚̀̀̀̀̀ ǎ̀̀̀̀̀͛ ǎ̀̀̀̀̀͜ ǎ̀̀̀̀̀͝ ǎ̀̀̀̀̀͞ ǎ̀̀̀̀̀͟ ǎ̀̀̀̀̀͠ ǎ̀̀̀̀̀͡ ǎ̀̀̀̀̀͢ ǎ̀̀̀̀̀ͣ ǎ̀̀̀̀̀ͤ ǎ̀̀̀̀̀ͥ ǎ̀̀̀̀̀ͦ ǎ̀̀̀̀̀ͧ ǎ̀̀̀̀̀ͨ ǎ̀̀̀̀̀ͩ ǎ̀̀̀̀̀ͪ ǎ̀̀̀̀̀ͫ ǎ̀̀̀̀̀ͬ ǎ̀̀̀̀̀ͭ ǎ̀̀̀̀̀ͮ ǎ̀̀̀̀̀ͯ ǎ̀̀̀̀̀Ͱ ǎ̀̀̀̀̀ͱ ǎ̀̀̀̀̀Ͳ ǎ̀̀̀̀̀ͳ ǎ̀̀̀̀̀ʹ ǎ̀̀̀̀̀͵ ǎ̀̀̀̀̀Ͷ ǎ̀̀̀̀̀ͷ ǎ̀̀̀̀̀͸ ǎ̀̀̀̀̀͹ ǎ̀̀̀̀̀ͺ ǎ̀̀̀̀̀ͻ ǎ̀̀̀̀̀ͼ ǎ̀̀̀̀̀ͽ ǎ̀̀̀̀̀Ϳ ǎ̀̀̀̀̀̀͂ ǎ̀̀̀̀̀̀̓ ǎ̀̀̀̀̀̀̈́ ǎ̀̀̀̀̀̀ͅ ǎ̀̀̀̀̀̀͆ ǎ͇̀̀̀̀̀̀ ǎ͈̀̀̀̀̀̀ ǎ͉̀̀̀̀̀̀ ǎ̀̀̀̀̀̀͊ ǎ̀̀̀̀̀̀͋ ǎ̀̀̀̀̀̀͌ ǎ͍̀̀̀̀̀̀ ǎ͎̀̀̀̀̀̀ ǎ̀̀̀̀̀̀͏ ǎ̀̀̀̀̀̀͐ ǎ̀̀̀̀̀̀͑ ǎ̀̀̀̀̀̀͒ ǎ͓̀̀̀̀̀̀ ǎ͔̀̀̀̀̀̀ ǎ͕̀̀̀̀̀̀ ǎ͖̀̀̀̀̀̀ ǎ̀̀̀̀̀̀͗ ǎ̀̀̀̀̀̀͘ ǎ͙̀̀̀̀̀̀ ǎ͚̀̀̀̀̀̀ ǎ̀̀̀̀̀̀͛ ǎ̀̀̀̀̀̀͜ ǎ̀̀̀̀̀̀͝ ǎ̀̀̀̀̀̀͞ ǎ̀̀̀̀̀̀͟ ǎ̀̀̀̀̀̀͠ ǎ̀̀̀̀̀̀͡ ǎ̀̀̀̀̀̀͢ ǎ̀̀̀̀̀̀ͣ ǎ̀̀̀̀̀̀ͤ ǎ̀̀̀̀̀̀ͥ ǎ̀̀̀̀̀̀ͦ ǎ̀̀̀̀̀̀ͧ ǎ̀̀̀̀̀̀ͨ ǎ̀̀̀̀̀̀ͩ ǎ̀̀̀̀̀̀ͪ ǎ̀̀̀̀̀̀ͫ ǎ̀̀̀̀̀̀ͬ ǎ̀̀̀̀̀̀ͭ ǎ̀̀̀̀̀̀ͮ ǎ̀̀̀̀̀̀ͯ ǎ̀̀̀̀̀̀Ͱ ǎ̀̀̀̀̀̀ͱ ǎ̀̀̀̀̀̀Ͳ ǎ̀̀̀̀̀̀ͳ ǎ̀̀̀̀̀̀ʹ ǎ̀̀̀̀̀̀͵ ǎ̀̀̀̀̀̀Ͷ ǎ̀̀̀̀̀̀ͷ ǎ̀̀̀̀̀̀͸ ǎ̀̀̀̀̀̀͹ ǎ̀̀̀̀̀̀ͺ ǎ̀̀̀̀̀̀ͻ ǎ̀̀̀̀̀̀ͼ ǎ̀̀̀̀̀̀ͽ ǎ̀̀̀̀̀̀Ϳ ǎ̀̀̀̀̀̀̀͂ ǎ̀̀̀̀̀̀̀̓ ǎ̀̀̀̀̀̀̀̈́ ǎ̀̀̀̀̀̀̀ͅ ǎ̀̀̀̀̀̀̀͆ ǎ͇̀̀̀̀̀̀̀ ǎ͈̀̀̀̀̀̀̀ ǎ͉̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀͊ ǎ̀̀̀̀̀̀̀͋ ǎ̀̀̀̀̀̀̀͌ ǎ͍̀̀̀̀̀̀̀ ǎ͎̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀͏ ǎ̀̀̀̀̀̀̀͐ ǎ̀̀̀̀̀̀̀͑ ǎ̀̀̀̀̀̀̀͒ ǎ͓̀̀̀̀̀̀̀ ǎ͔̀̀̀̀̀̀̀ ǎ͕̀̀̀̀̀̀̀ ǎ͖̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀͗ ǎ̀̀̀̀̀̀̀͘ ǎ͙̀̀̀̀̀̀̀ ǎ͚̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀͛ ǎ̀̀̀̀̀̀̀͜ ǎ̀̀̀̀̀̀̀͝ ǎ̀̀̀̀̀̀̀͞ ǎ̀̀̀̀̀̀̀͟ ǎ̀̀̀̀̀̀̀͠ ǎ̀̀̀̀̀̀̀͡ ǎ̀̀̀̀̀̀̀͢ ǎ̀̀̀̀̀̀̀ͣ ǎ̀̀̀̀̀̀̀ͤ ǎ̀̀̀̀̀̀̀ͥ ǎ̀̀̀̀̀̀̀ͦ ǎ̀̀̀̀̀̀̀ͧ ǎ̀̀̀̀̀̀̀ͨ ǎ̀̀̀̀̀̀̀ͩ ǎ̀̀̀̀̀̀̀ͪ ǎ̀̀̀̀̀̀̀ͫ ǎ̀̀̀̀̀̀̀ͬ ǎ̀̀̀̀̀̀̀ͭ ǎ̀̀̀̀̀̀̀ͮ ǎ̀̀̀̀̀̀̀ͯ ǎ̀̀̀̀̀̀̀Ͱ ǎ̀̀̀̀̀̀̀ͱ ǎ̀̀̀̀̀̀̀Ͳ ǎ̀̀̀̀̀̀̀ͳ ǎ̀̀̀̀̀̀̀ʹ ǎ̀̀̀̀̀̀̀͵ ǎ̀̀̀̀̀̀̀Ͷ ǎ̀̀̀̀̀̀̀ͷ ǎ̀̀̀̀̀̀̀͸ ǎ̀̀̀̀̀̀̀͹ ǎ̀̀̀̀̀̀̀ͺ ǎ̀̀̀̀̀̀̀ͻ ǎ̀̀̀̀̀̀̀ͼ ǎ̀̀̀̀̀̀̀ͽ ǎ̀̀̀̀̀̀̀Ϳ ǎ̀̀̀̀̀̀̀̀͂ ǎ̀̀̀̀̀̀̀̀̓ ǎ̀̀̀̀̀̀̀̀̈́ ǎ̀̀̀̀̀̀̀̀ͅ ǎ̀̀̀̀̀̀̀̀͆ ǎ͇̀̀̀̀̀̀̀̀ ǎ͈̀̀̀̀̀̀̀̀ ǎ͉̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀͊ ǎ̀̀̀̀̀̀̀̀͋ ǎ̀̀̀̀̀̀̀̀͌ ǎ͍̀̀̀̀̀̀̀̀ ǎ͎̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀͏ ǎ̀̀̀̀̀̀̀̀͐ ǎ̀̀̀̀̀̀̀̀͑ ǎ̀̀̀̀̀̀̀̀͒ ǎ͓̀̀̀̀̀̀̀̀ ǎ͔̀̀̀̀̀̀̀̀ ǎ͕̀̀̀̀̀̀̀̀ ǎ͖̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀͗ ǎ̀̀̀̀̀̀̀̀͘ ǎ͙̀̀̀̀̀̀̀̀ ǎ͚̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀͛ ǎ̀̀̀̀̀̀̀̀͜ ǎ̀̀̀̀̀̀̀̀͝ ǎ̀̀̀̀̀̀̀̀͞ ǎ̀̀̀̀̀̀̀̀͟ ǎ̀̀̀̀̀̀̀̀͠ ǎ̀̀̀̀̀̀̀̀͡ ǎ̀̀̀̀̀̀̀̀͢ ǎ̀̀̀̀̀̀̀̀ͣ ǎ̀̀̀̀̀̀̀̀ͤ ǎ̀̀̀̀̀̀̀̀ͥ ǎ̀̀̀̀̀̀̀̀ͦ ǎ̀̀̀̀̀̀̀̀ͧ ǎ̀̀̀̀̀̀̀̀ͨ ǎ̀̀̀̀̀̀̀̀ͩ ǎ̀̀̀̀̀̀̀̀ͪ ǎ̀̀̀̀̀̀̀̀ͫ ǎ̀̀̀̀̀̀̀̀ͬ ǎ̀̀̀̀̀̀̀̀ͭ ǎ̀̀̀̀̀̀̀̀ͮ ǎ̀̀̀̀̀̀̀̀ͯ ǎ̀̀̀̀̀̀̀̀Ͱ ǎ̀̀̀̀̀̀̀̀ͱ ǎ̀̀̀̀̀̀̀̀Ͳ ǎ̀̀̀̀̀̀̀̀ͳ ǎ̀̀̀̀̀̀̀̀ʹ ǎ̀̀̀̀̀̀̀̀͵ ǎ̀̀̀̀̀̀̀̀Ͷ ǎ̀̀̀̀̀̀̀̀ͷ ǎ̀̀̀̀̀̀̀̀͸ ǎ̀̀̀̀̀̀̀̀͹ ǎ̀̀̀̀̀̀̀̀ͺ ǎ̀̀̀̀̀̀̀̀ͻ ǎ̀̀̀̀̀̀̀̀ͼ ǎ̀̀̀̀̀̀̀̀ͽ ǎ̀̀̀̀̀̀̀̀Ϳ ǎ̀̀̀̀̀̀̀̀̀͂ ǎ̀̀̀̀̀̀̀̀̀̓ ǎ̀̀̀̀̀̀̀̀̀̈́ ǎ̀̀̀̀̀̀̀̀̀ͅ ǎ̀̀̀̀̀̀̀̀̀͆ ǎ͇̀̀̀̀̀̀̀̀̀ ǎ͈̀̀̀̀̀̀̀̀̀ ǎ͉̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀͊ ǎ̀̀̀̀̀̀̀̀̀͋ ǎ̀̀̀̀̀̀̀̀̀͌ ǎ͍̀̀̀̀̀̀̀̀̀ ǎ͎̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀͏ ǎ̀̀̀̀̀̀̀̀̀͐ ǎ̀̀̀̀̀̀̀̀̀͑ ǎ̀̀̀̀̀̀̀̀̀͒ ǎ͓̀̀̀̀̀̀̀̀̀ ǎ͔̀̀̀̀̀̀̀̀̀ ǎ͕̀̀̀̀̀̀̀̀̀ ǎ͖̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀͗ ǎ̀̀̀̀̀̀̀̀̀͘ ǎ͙̀̀̀̀̀̀̀̀̀ ǎ͚̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀͛ ǎ̀̀̀̀̀̀̀̀̀͜ ǎ̀̀̀̀̀̀̀̀̀͝ ǎ̀̀̀̀̀̀̀̀̀͞ ǎ̀̀̀̀̀̀̀̀̀͟ ǎ̀̀̀̀̀̀̀̀̀͠ ǎ̀̀̀̀̀̀̀̀̀͡ ǎ̀̀̀̀̀̀̀̀̀͢ ǎ̀̀̀̀̀̀̀̀̀ͣ ǎ̀̀̀̀̀̀̀̀̀ͤ ǎ̀̀̀̀̀̀̀̀̀ͥ ǎ̀̀̀̀̀̀̀̀̀ͦ ǎ̀̀̀̀̀̀̀̀̀ͧ ǎ̀̀̀̀̀̀̀̀̀ͨ ǎ̀̀̀̀̀̀̀̀̀ͩ ǎ̀̀̀̀̀̀̀̀̀ͪ ǎ̀̀̀̀̀̀̀̀̀ͫ ǎ̀̀̀̀̀̀̀̀̀ͬ ǎ̀̀̀̀̀̀̀̀̀ͭ ǎ̀̀̀̀̀̀̀̀̀ͮ ǎ̀̀̀̀̀̀̀̀̀ͯ ǎ̀̀̀̀̀̀̀̀̀Ͱ ǎ̀̀̀̀̀̀̀̀̀ͱ ǎ̀̀̀̀̀̀̀̀̀Ͳ ǎ̀̀̀̀̀̀̀̀̀ͳ ǎ̀̀̀̀̀̀̀̀̀ʹ ǎ̀̀̀̀̀̀̀̀̀͵ ǎ̀̀̀̀̀̀̀̀̀Ͷ ǎ̀̀̀̀̀̀̀̀̀ͷ ǎ̀̀̀̀̀̀̀̀̀͸ ǎ̀̀̀̀̀̀̀̀̀͹ ǎ̀̀̀̀̀̀̀̀̀ͺ ǎ̀̀̀̀̀̀̀̀̀ͻ ǎ̀̀̀̀̀̀̀̀̀ͼ ǎ̀̀̀̀̀̀̀̀̀ͽ ǎ̀̀̀̀̀̀̀̀̀Ϳ ǎ̀̀̀̀̀̀̀̀̀̀͂ ǎ̀̀̀̀̀̀̀̀̀̀̓ ǎ̀̀̀̀̀̀̀̀̀̀̈́ ǎ̀̀̀̀̀̀̀̀̀̀ͅ ǎ̀̀̀̀̀̀̀̀̀̀͆ ǎ͇̀̀̀̀̀̀̀̀̀̀ ǎ͈̀̀̀̀̀̀̀̀̀̀ ǎ͉̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀͊ ǎ̀̀̀̀̀̀̀̀̀̀͋ ǎ̀̀̀̀̀̀̀̀̀̀͌ ǎ͍̀̀̀̀̀̀̀̀̀̀ ǎ͎̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀͏ ǎ̀̀̀̀̀̀̀̀̀̀͐ ǎ̀̀̀̀̀̀̀̀̀̀͑ ǎ̀̀̀̀̀̀̀̀̀̀͒ ǎ͓̀̀̀̀̀̀̀̀̀̀ ǎ͔̀̀̀̀̀̀̀̀̀̀ ǎ͕̀̀̀̀̀̀̀̀̀̀ ǎ͖̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀͗ ǎ̀̀̀̀̀̀̀̀̀̀͘ ǎ͙̀̀̀̀̀̀̀̀̀̀ ǎ͚̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀͛ ǎ̀̀̀̀̀̀̀̀̀̀͜ ǎ̀̀̀̀̀̀̀̀̀̀͝ ǎ̀̀̀̀̀̀̀̀̀̀͞ ǎ̀̀̀̀̀̀̀̀̀̀͟ ǎ̀̀̀̀̀̀̀̀̀̀͠ ǎ̀̀̀̀̀̀̀̀̀̀͡ ǎ̀̀̀̀̀̀̀̀̀̀͢ ǎ̀̀̀̀̀̀̀̀̀̀ͣ ǎ̀̀̀̀̀̀̀̀̀̀ͤ ǎ̀̀̀̀̀̀̀̀̀̀ͥ ǎ̀̀̀̀̀̀̀̀̀̀ͦ ǎ̀̀̀̀̀̀̀̀̀̀ͧ ǎ̀̀̀̀̀̀̀̀̀̀ͨ ǎ̀̀̀̀̀̀̀̀̀̀ͩ ǎ̀̀̀̀̀̀̀̀̀̀ͪ ǎ̀̀̀̀̀̀̀̀̀̀ͫ ǎ̀̀̀̀̀̀̀̀̀̀ͬ ǎ̀̀̀̀̀̀̀̀̀̀ͭ ǎ̀̀̀̀̀̀̀̀̀̀ͮ ǎ̀̀̀̀̀̀̀̀̀̀ͯ ǎ̀̀̀̀̀̀̀̀̀̀Ͱ ǎ̀̀̀̀̀̀̀̀̀̀ͱ ǎ̀̀̀̀̀̀̀̀̀̀Ͳ ǎ̀̀̀̀̀̀̀̀̀̀ͳ ǎ̀̀̀̀̀̀̀̀̀̀ʹ ǎ̀̀̀̀̀̀̀̀̀̀͵ ǎ̀̀̀̀̀̀̀̀̀̀Ͷ ǎ̀̀̀̀̀̀̀̀̀̀ͷ ǎ̀̀̀̀̀̀̀̀̀̀͸ ǎ̀̀̀̀̀̀̀̀̀̀͹ ǎ̀̀̀̀̀̀̀̀̀̀ͺ ǎ̀̀̀̀̀̀̀̀̀̀ͻ ǎ̀̀̀̀̀̀̀̀̀̀ͼ ǎ̀̀̀̀̀̀̀̀̀̀ͽ ǎ̀̀̀̀̀̀̀̀̀̀Ϳ ǎ̀̀̀̀̀̀̀̀̀̀̀͂ ǎ̀̀̀̀̀̀̀̀̀̀̀̓ ǎ̀̀̀̀̀̀̀̀̀̀̀̈́ ǎ̀̀̀̀̀̀̀̀̀̀̀ͅ ǎ̀̀̀̀̀̀̀̀̀̀̀͆ ǎ͇̀̀̀̀̀̀̀̀̀̀̀ ǎ͈̀̀̀̀̀̀̀̀̀̀̀ ǎ͉̀̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀̀͊ ǎ̀̀̀̀̀̀̀̀̀̀̀͋ ǎ̀̀̀̀̀̀̀̀̀̀̀͌ ǎ͍̀̀̀̀̀̀̀̀̀̀̀ ǎ͎̀̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀̀͏ ǎ̀̀̀̀̀̀̀̀̀̀̀͐ ǎ̀̀̀̀̀̀̀̀̀̀̀͑ ǎ̀̀̀̀̀̀̀̀̀̀̀͒ ǎ͓̀̀̀̀̀̀̀̀̀̀̀ ǎ͔̀̀̀̀̀̀̀̀̀̀̀ ǎ͕̀̀̀̀̀̀̀̀̀̀̀ ǎ͖̀̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀̀͗ ǎ̀̀̀̀̀̀̀̀̀̀̀͘ ǎ͙̀̀̀̀̀̀̀̀̀̀̀ ǎ͚̀̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀̀͛ ǎ̀̀̀̀̀̀̀̀̀̀̀͜ ǎ̀̀̀̀̀̀̀̀̀̀̀͝ ǎ̀̀̀̀̀̀̀̀̀̀̀͞ ǎ̀̀̀̀̀̀̀̀̀̀̀͟ ǎ̀̀̀̀̀̀̀̀̀̀̀͠ ǎ̀̀̀̀̀̀̀̀̀̀̀͡ ǎ̀̀̀̀̀̀̀̀̀̀̀͢ ǎ̀̀̀̀̀̀̀̀̀̀̀ͣ ǎ̀̀̀̀̀̀̀̀̀̀̀ͤ ǎ̀̀̀̀̀̀̀̀̀̀̀ͥ ǎ̀̀̀̀̀̀̀̀̀̀̀ͦ ǎ̀̀̀̀̀̀̀̀̀̀̀ͧ ǎ̀̀̀̀̀̀̀̀̀̀̀ͨ ǎ̀̀̀̀̀̀̀̀̀̀̀ͩ ǎ̀̀̀̀̀̀̀̀̀̀̀ͪ ǎ̀̀̀̀̀̀̀̀̀̀̀ͫ ǎ̀̀̀̀̀̀̀̀̀̀̀ͬ ǎ̀̀̀̀̀̀̀̀̀̀̀ͭ ǎ̀̀̀̀̀̀̀̀̀̀̀ͮ ǎ̀̀̀̀̀̀̀̀̀̀̀ͯ ǎ̀̀̀̀̀̀̀̀̀̀̀Ͱ ǎ̀̀̀̀̀̀̀̀̀̀̀ͱ ǎ̀̀̀̀̀̀̀̀̀̀̀Ͳ ǎ̀̀̀̀̀̀̀̀̀̀̀ͳ ǎ̀̀̀̀̀̀̀̀̀̀̀ʹ ǎ̀̀̀̀̀̀̀̀̀̀̀͵ ǎ̀̀̀̀̀̀̀̀̀̀̀Ͷ ǎ̀̀̀̀̀̀̀̀̀̀̀ͷ ǎ̀̀̀̀̀̀̀̀̀̀̀͸ ǎ̀̀̀̀̀̀̀̀̀̀̀͹ ǎ̀̀̀̀̀̀̀̀̀̀̀ͺ ǎ̀̀̀̀̀̀̀̀̀̀̀ͻ ǎ̀̀̀̀̀̀̀̀̀̀̀ͼ ǎ̀̀̀̀̀̀̀̀̀̀̀ͽ ǎ̀̀̀̀̀̀̀̀̀̀̀Ϳ ǎ̀̀̀̀̀̀̀̀̀̀̀̀͂ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̓ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̈́ ǎ̀̀̀̀̀̀̀̀̀̀̀̀ͅ ǎ̀̀̀̀̀̀̀̀̀̀̀̀͆ ǎ͇̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͈̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͉̀̀̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀̀̀͊ ǎ̀̀̀̀̀̀̀̀̀̀̀̀͋ ǎ̀̀̀̀̀̀̀̀̀̀̀̀͌ ǎ͍̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͎̀̀̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀̀̀͏ ǎ̀̀̀̀̀̀̀̀̀̀̀̀͐ ǎ̀̀̀̀̀̀̀̀̀̀̀̀͑ ǎ̀̀̀̀̀̀̀̀̀̀̀̀͒ ǎ͓̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͔̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͕̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͖̀̀̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀̀̀͗ ǎ̀̀̀̀̀̀̀̀̀̀̀̀͘ ǎ͙̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͚̀̀̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀̀̀͛ ǎ̀̀̀̀̀̀̀̀̀̀̀̀͜ ǎ̀̀̀̀̀̀̀̀̀̀̀̀͝ ǎ̀̀̀̀̀̀̀̀̀̀̀̀͞ ǎ̀̀̀̀̀̀̀̀̀̀̀̀͟ ǎ̀̀̀̀̀̀̀̀̀̀̀̀͠ ǎ̀̀̀̀̀̀̀̀̀̀̀̀͡ ǎ̀̀̀̀̀̀̀̀̀̀̀̀͢ ǎ̀̀̀̀̀̀̀̀̀̀̀̀ͣ ǎ̀̀̀̀̀̀̀̀̀̀̀̀ͤ ǎ̀̀̀̀̀̀̀̀̀̀̀̀ͥ ǎ̀̀̀̀̀̀̀̀̀̀̀̀ͦ ǎ̀̀̀̀̀̀̀̀̀̀̀̀ͧ ǎ̀̀̀̀̀̀̀̀̀̀̀̀ͨ ǎ̀̀̀̀̀̀̀̀̀̀̀̀ͩ ǎ̀̀̀̀̀̀̀̀̀̀̀̀ͪ ǎ̀̀̀̀̀̀̀̀̀̀̀̀ͫ ǎ̀̀̀̀̀̀̀̀̀̀̀̀ͬ ǎ̀̀̀̀̀̀̀̀̀̀̀̀ͭ ǎ̀̀̀̀̀̀̀̀̀̀̀̀ͮ ǎ̀̀̀̀̀̀̀̀̀̀̀̀ͯ ǎ̀̀̀̀̀̀̀̀̀̀̀̀Ͱ ǎ̀̀̀̀̀̀̀̀̀̀̀̀ͱ ǎ̀̀̀̀̀̀̀̀̀̀̀̀Ͳ ǎ̀̀̀̀̀̀̀̀̀̀̀̀ͳ ǎ̀̀̀̀̀̀̀̀̀̀̀̀ʹ ǎ̀̀̀̀̀̀̀̀̀̀̀̀͵ ǎ̀̀̀̀̀̀̀̀̀̀̀̀Ͷ ǎ̀̀̀̀̀̀̀̀̀̀̀̀ͷ ǎ̀̀̀̀̀̀̀̀̀̀̀̀͸ ǎ̀̀̀̀̀̀̀̀̀̀̀̀͹ ǎ̀̀̀̀̀̀̀̀̀̀̀̀ͺ ǎ̀̀̀̀̀̀̀̀̀̀̀̀ͻ ǎ̀̀̀̀̀̀̀̀̀̀̀̀ͼ ǎ̀̀̀̀̀̀̀̀̀̀̀̀ͽ ǎ̀̀̀̀̀̀̀̀̀̀̀̀Ϳ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀͂ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̓ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̈́ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀ͅ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀͆ ǎ͇̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͈̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͉̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀͊ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀͋ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀͌ ǎ͍̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͎̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀͏ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀͐ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀͑ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀͒ ǎ͓̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͔̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͕̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͖̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀͗ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀͘ ǎ͙̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͚̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀͛ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀͜ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀͝ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀͞ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀͟ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀͠ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀͡ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀͢ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀ͣ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀ͤ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀ͥ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀ͦ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀ͧ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀ͨ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀ͩ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀ͪ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀ͫ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀ͬ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀ͭ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀ͮ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀ͯ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀Ͱ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀ͱ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀Ͳ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀ͳ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀ʹ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀͵ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀Ͷ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀ͷ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀͸ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀͹ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀ͺ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀ͻ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀ͼ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀ͽ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀Ϳ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀͂ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̓ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̈́ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͅ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀͆ ǎ͇̀̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͈̀̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͉̀̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀͊ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀͋ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀͌ ǎ͍̀̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͎̀̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀͏ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀͐ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀͑ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀͒ ǎ͓̀̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͔̀̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͕̀̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͖̀̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀͗ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀͘ ǎ͙̀̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͚̀̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀͛ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀͜ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀͝ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀͞ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀͟ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀͠ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀͡ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀͢ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͣ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͤ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͥ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͦ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͧ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͨ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͩ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͪ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͫ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͬ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͭ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͮ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͯ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀Ͱ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͱ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀Ͳ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͳ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀ʹ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀͵ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀Ͷ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͷ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀͸ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀͹ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͺ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͻ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͼ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͽ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀Ϳ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀͂ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀̓ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀̈́ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͅ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀͆ ǎ͇̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͈̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͉̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀͊ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀͋ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀͌ ǎ͍̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͎̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀͏ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀͐ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀͑ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀͒ ǎ͓̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͔̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͕̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͖̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀͗ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀͘ ǎ͙̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ͚̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀͛ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀͜ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀͝ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀͞ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀͟ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀͠ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀͡ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀͢ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͣ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͤ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͥ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͦ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͧ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͨ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͩ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͪ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͫ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͬ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͭ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͮ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͯ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀Ͱ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͱ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀Ͳ ǎ̀̀̀̀̀̀̀̀̀̀̀̀̀̀̀ͳ ǎ̀̀̀̀̀̀̀̀</p>	

### Single-story g (only)

Affects: U+0067 U+011D U+011F U+0121 U+0123 U+01E7 U+01F5 U+01E5 U+1E21 U+A7A1 U+1D4D

Feature	Sample	Feature setting
Standard	$\mathfrak{g} \hat{\mathfrak{g}} \check{\mathfrak{g}} \dot{\mathfrak{g}} \grave{\mathfrak{g}} \mathfrak{g} \bar{\mathfrak{g}} \mathfrak{g}^{\mathfrak{g}}$	ss12=0
Single-story	$\mathfrak{g} \hat{\mathfrak{g}} \check{\mathfrak{g}} \dot{\mathfrak{g}} \grave{\mathfrak{g}} \mathfrak{g} \bar{\mathfrak{g}} \mathfrak{g}^{\mathfrak{g}}$	ss12=1

## Barred-bowl forms

Affects: U+0111 U+0180 U+01E5

Feature	Sample	Feature setting
Standard	đ ʙ ɡ	ss04=0
Barred-bowl	ɖ ɓ ɠ	ss04=1

## Slant italic specials

Affects: U+0061 U+00E3 U+00E0 U+00E1 U+00E2 U+00E4 U+00E5 U+0101 U+0103 U+01CE U+01DF U+01E1 U+01FB U+0201 U+0203 U+0227 U+1E01 U+1E9A U+1EA3 U+1EA5 U+1EA7 U+1EA9 U+1EAB U+1EAD U+1EAF U+1EB1 U+1EB3 U+1EB5 U+1EA1 U+1EB7 U+2C65 U+0250 U+00E6 U+0066 U+1E1F U+0069 U+00EC U+00ED U+00EE U+00EF U+0129 U+012B U+012D U+012F U+01D0 U+0209

U+020B U+1E2D U+1E2F U+1EC9 U+1ECB U+0131 U+006C U+013A U+1E37 U+1E39 U+1E3B U+1E3D U+0076 U+1E7D U+1E7F U+007A  
U+017A U+017C U+017E U+1E91 U+1E93 U+1E95 U+0493 U+04FB U+F327 U+A749 U+A75F U+2097

[illegible]

## Character alternates

## B hook

Affects: U+0181

Feature	Sample	Feature setting
Standard	Б	cv13=0
Lowercase-style	Б	cv13=1

## D hook

Affects: U+018A

Feature	Sample	Feature setting
Standard	$\mathcal{D}$	cv17=0
Lowercase-style	$\mathcal{d}$	cv17=1

## H stroke

Affects: U+0126

Feature	Sample	Feature setting
Standard	H	cv28=0
Vertical stroke	H	cv28=1

## J stroke hook

Affects: U+0284

Feature	Sample	Feature setting
Standard	f	cv37=0
Top serif	f	cv37=1

## Eng

Affects: U+014A

Feature	Sample	Feature setting
Standard	ŋ	cv43=0
Lowercase style on baseline	ɳ	cv43=1
Uppercase style with descender	Ŋ	cv43=2
Alt. lowercase style on baseline	ɲ	cv43=3

## N left hook

Affects: U+019D

Feature	Sample	Feature setting
Standard	ɳ	cv44=0
Lowercase-style	ɳ̥	cv44=1

## Open-O

Affects: U+0186 U+0254 U+1D10 U+1D53 U+1D97

Feature	Sample	Feature setting
Standard	ɔ ɔ ɔ ɔ̥ ɔ̥	cv46=0
Top serif	ɔ ɔ ɔ ɔ̥ ɔ̥	cv46=1

## OU

Affects: U+0222 U+0223 U+1D3D U+1D15

Feature	Sample	Feature setting
Standard	8 8 8 8̥	cv47=0
Open	8 8 8 8̥	cv47=1

## p hook

Affects: U+01A5

Feature	Sample	Feature setting
Standard	ɸ	cv49=0
Right hook	ɸ̥	cv49=1

## R tail

Affects: U+2C64

Feature	Sample	Feature setting
Standard	Ŕ	cv55=0
Lowercase-style	ŕ	cv55=1

## T hook

Affects: U+01AC

Feature	Sample	Feature setting
Standard	Ť	cv57=0
Right hook	Ṭ	cv57=1

## V hook

Affects: U+01B2 U+028B U+1DB9

Feature	Sample	Feature setting
Standard	Ŭ ŵ <sup>ŵ</sup>	cv62=0
Straight with low hook	Ṳ ṳ <sup>Ṵ</sup>	cv62=1
Straight with high hook	Ṵ ṵ <sup>Ṷ</sup>	cv62=2

## Y hook

Affects: U+01B3

Feature	Sample	Feature setting
Standard	Ŷ	cv68=0
Left hook	Ỳ	cv68=1

## Ezh

Affects: U+01B7 U+04E0

Feature	Sample	Feature setting
Standard	Ʒ ʒ	cv20=0
Reversed sigma	Ʒ ʒ	cv20=1

## ezh curl

Affects: U+0293

Feature	Sample	Feature setting
Standard	Ʒ	cv19=0
Large bowl	Ʒ	cv19=1

rams horn

Affects: U+0264

Feature	Sample	Feature setting
Standard	ʁ	cv25=0
Large bowl	ṙ	cv25=1
Small gamma	ʀ	cv25=2

Clicks

Affects: U+01C0 U+01C1 U+01C2 U+2980

Feature	Sample	Feature setting
Standard (descending)	‡	cv69=0
Baseline	‡	cv69=1

Diacritic and symbol alternates

Vietnamese-style diacritics

Affects: U+1EA4 U+1EA5 U+1EA6 U+1EA7 U+1EA8 U+1EA9 U+1EAA U+1EAB U+1EAE U+1EAF U+1EB0 U+1EB1 U+1EB2 U+1EB3 U+1EB4 U+1EB5 U+1EBE U+1EBF U+1EC0 U+1EC1 U+1EC2 U+1EC3 U+1EC4 U+1EC5 U+1ED0 U+1ED1 U+1ED2 U+1ED3 U+1ED4 U+1ED5 U+1ED6 U+1ED7

Feature	Sample	Feature setting
Standard	Áá Àà Ââ Ãã Ää Åå Ææ Èè Êê Ëë Óó Òò Ôô Öö	cv75=0
Vietnamese-style	Ăă Ằằ Ẳẳ Ẵẵ Ẳẳ Ằằ Ẳẳ Ẵẵ Ếế Ềề Ểể Ễễ Ớớ Ồồ Ỗỗ Ỗỗ	cv75=1

Kayan diacritics

Affects: U+0300 U+0301

Feature	Sample	Feature setting
Standard	◌̣	cv79=0
Side by side	◌̣̣	cv79=1

Ogonek

Affects: U+0328 U+0104 U+0105 U+0118 U+0119 U+012E U+012F U+0172 U+0173 U+01EA U+01EB U+01EC U+01ED

Feature	Sample	Feature setting
Standard	anything with ◌̣ (Ąą Ęę Ĳ ĳ Qq Q̣Q̣)	cv76=0
Straight	anything with ◌̣ (Ąą Ęę Ĳ ĳ Qq Q̣Q̣)	cv76=1

## Caron

Affects: U+010F U+013D U+013E U+0165

Feature	Sample	Feature setting
Standard	ď Ľ ľ ť	cv77=0
Global-style	ǎ Ľ ĺ ǵ	cv77=1

## Modifier apostrophe

Affects: U+02BC U+A78B U+A78C

Feature	Sample	Feature setting
Standard	’ ′ ′	cv70=0
Large	’ ′ ′	cv70=1

## Modifier colon

Affects: U+A789

Feature	Sample	Feature setting
Standard	:	cv71=0
Expanded	:	cv71=1

## Empty set

Affects: U+2205

Feature	Sample	Feature setting
Standard	∅	cv98=0
Zero-style	∅	cv98=1

## Cyrillic alternates

There are also Cyrillic characters affected by the “Ezh” and “Small capitals” features. Some languages may also use the “Modifier apostrophe”.

## Cyrillic E

Affects: U+042D U+044D

Feature	Sample	Feature setting
Standard	Э э	cv80=0
Mongolian-style	ᠡ ᠡ	cv80=1

## Cyrillic shha

Affects: U+04BB

Feature	Sample	Feature setting
Standard		cv81=0

Feature	Sample	Feature setting
	h	
Uppercase-style	Ħ	cv81=1

## Cyrillic breve

Affects: U+0306

Feature	Sample	Feature setting
Standard	anything with ǃ (ǃǃ)	cv82=0
Cyrillic-style	anything with ǃ (ǃǃ)	cv82=1

## Serbian Cyrillic alternates

*These alternate forms mainly affect italic styles. Unlike other features this is activated by tagging the span of text as being in the Serbian language, not by turning on an OpenType feature. It is also not available through TypeTuner Web although a similar feature is supported (cv84).*

Affects: U+0431 U+0433 U+0434 U+043F U+0442 U+0453

Feature	Sample	Feature setting
Standard	б з ђ н м ѓ	
Serbian	δ ī g ū ū í	lang='sr'

## Macedonian Cyrillic alternates

*These alternate forms mainly affect italic styles. Unlike other features this is activated by tagging the span of text as being in the Macedonian language, not by turning on an OpenType feature. It is also not available through TypeTuner Web although a similar feature is supported (cv84).*

Affects: U+0431 U+0433 U+0434 U+043F U+0442 U+0453

Feature	Sample	Feature setting
Standard	б з ђ н м ѓ	
Macedonian	δ ī g ū ū í	lang='mk'

## Serbian and Macedonian Cyrillic alternates

*This feature provides an alternate way to activate the Serbian and Macedonian forms in applications that do not support language-specific features.*

Affects: U+0431 U+0433 U+0434 U+043F U+0442 U+0453

Feature	Sample	Feature setting
Standard	б з ђ н м ѓ	cv84=0
Serbian Macedonian forms	δ ī g ū ū í	cv84=1



## Tone alternates

### Chinantec tones

Affects: U+02CB U+02C8 U+02C9 U+02CA

Feature	Sample	Feature setting
Standard	˘ ˊ ˉ ˋ	cv90=0
Chinantec-style	˘ ˊ ˉ ˋ	cv90=1

### Tone numbers

*This feature is not supported in TypeTuner Web.*

Affects: U+02E5 U+02E6 U+02E7 U+02E8 U+02E9 U+A712 U+A713 U+A714 U+A715 U+A716

Feature	Sample	Feature setting
Standard	ᵀ ᵀ ᵀ ᵀ ᵀ ᵀ ᵀ ᵀ ᵀ ᵀ	cv91=0
Numbers	5 4 3 2 1 5 4 3 2 1	cv91=1

### Hide tone contour staves

*This feature is not supported in TypeTuner Web.*

Affects: U+02E5 U+02E6 U+02E7 U+02E8 U+02E9 U+A712 U+A713 U+A714 U+A715 U+A716

Feature	Sample	Feature setting
Standard	ᵀ ᵀ ᵀ ᵀ ᵀ ᵀ ᵀ ᵀ ᵀ ᵀ (↗ ↘)	cv92=0
Hide staves	ˉ ˉ ˉ ˉ ˉ ˉ ˉ ˉ ˉ ˉ (↗ ↘)	cv92=1

## Numeral alternates

### Subscript numerals

Affects: U+0030 U+0031 U+0032 U+0033 U+0034 U+0035 U+0036 U+0037 U+0038 U+0039

Feature	Sample	Feature setting
Standard	0 1 2 3 4 5 6 7 8 9	subs=0
Subscript	₀ ₁ ₂ ₃ ₄ ₅ ₆ ₇ ₈ ₉	subs=1

### Superscript numerals

Affects: U+0030 U+0031 U+0032 U+0033 U+0034 U+0035 U+0036 U+0037 U+0038 U+0039

Feature	Sample	Feature setting
Standard	0 1 2 3 4 5 6 7 8 9	sups=0
Superscript	⁰ ¹ ² ³ ⁴ ⁵ ⁶ ⁷ ⁸ ⁹	sups=1

**Automatic fractions**

*When activated this feature will automatically create fractions when numerals are separated by either the fraction slash (U+2044) or the solidus (U+002F). This feature is not supported in TypeTuner Web.*

Affects: U+0030 U+0031 U+0032 U+0033 U+0034 U+0035 U+0036 U+0037 U+0038 U+0039 U+002F U+2044

Feature	Sample	Feature setting
Standard (none)	$\frac{1}{2}$ $\frac{456}{789}$ <b>1/2 456/789</b>	frac=0
Automatic	$\frac{1}{2}$ $\frac{456}{789}$ $\frac{1}{2}$ $\frac{456}{789}$	frac=1

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