

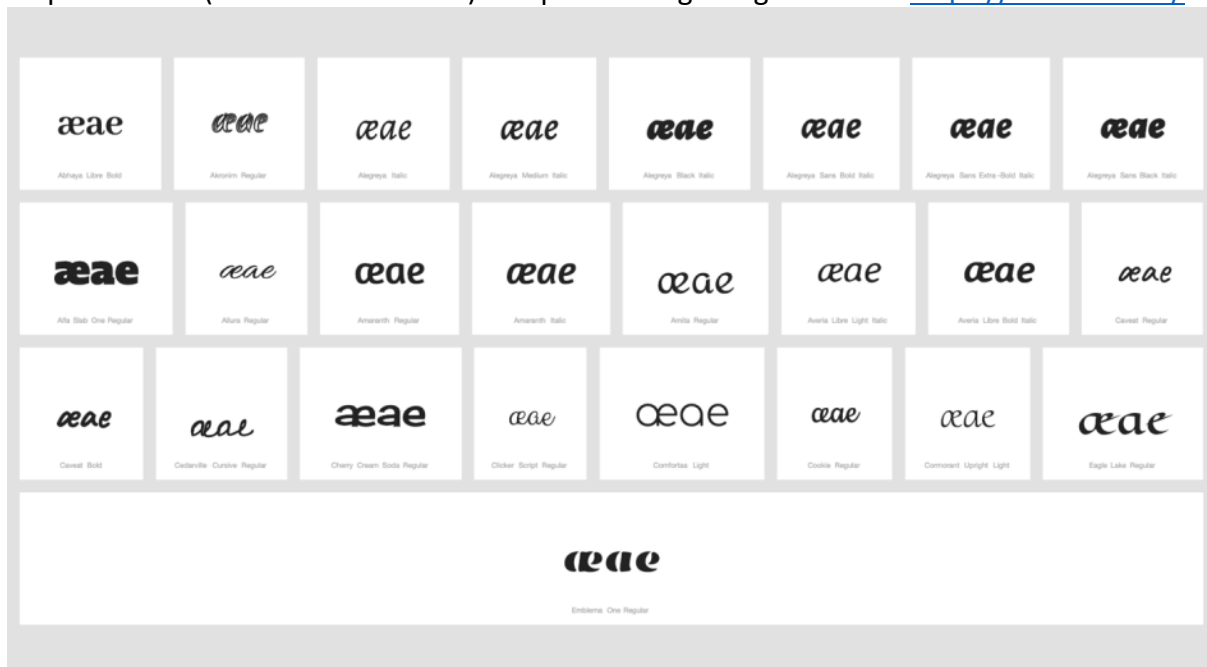
D.2 Spacing of Base Characters

D.2.1 Latin Small Ligature Æ vs. Sequence AE

Code Points Considered:

Code Points	Glyph	Name
00E6	æ	LATIN SMALL LIGATURE AE
0061	a	LATIN SMALL LETTER A
0065	e	LATIN SMALL LETTER E
0153	œ	LATIN SMALL LIGATURE OE
0251	ɑ	LATIN SMALL LETTER ALPHA

Sequence æae (00E6 + 0061 + 0065) compared using Google Fonts in <https://wordmark.it/>:



Findings:

In some fonts, in which the a-glyph takes a shape similar to that of 0251 α LATIN SMALL LETTER ALPHA, the ligature and the sequence bare some similarity but are distinguishable.

In a large number of fonts, the ligature and the sequence are consistently different.

Additional Findings:

In fonts, in which the a-glyph takes a shape similar to that of 0251 α Latin Small Letter Alpha, the ligature 00E6 becomes nearly visually identical with the o-e ligature (0153 œ LATIN SMALL LIGATURE OE) as demonstrated below.

ææœœøø	<i>ææœœøø</i>	ææœœøø	ææœœøø	ææœœøø	ææœœøø	ææœœøø
Aasnor Regular	Aisegya Italic	Aisegya Medium Italic	Aisegya Black Italic	Aisegya Sans Bold Italic	Aisegya Sans Extra-Bold Italic	Aisegya Sans Black Italic
ææœœøø	<i>ææœœøø</i>	ææœœøø	ææœœøø	ææœœøø	ææœœøø	ææœœøø
Afa Sans One Regular	Ailura Regular	Amanorth Regular	Amanorth Italic	Amita Regular	Aurela Libre Light Italic	
ææœœøø	<i>ææœœøø</i>	ææœœøø	ææœœøø	ææœœøø	ææœœøø	ææœœøø
Aurela Libre Bold Italic	Casual Regular	Casual Bold	Engle Lake Regular	Enbriaria One Regular		

The ligature of AE and the sequence of A and E are not variants. 00E6 Latin Small Letter Æ and 0153 Latin Small Ligature Œ should be added to string similarity table.

Code Points Considered:

Code Point	Glyph	Name
0065	e	LATIN SMALL LETTER E
006F	o	LATIN SMALL LETTER O
0153	œ	LATIN SMALL LIGATURE OE

oeœ	oeœ	oeœ	oeœ	oeœ	oeœ	oeœ
Anal	Anal Black	Calist	Calist Light	Carlina	Carlina Max	Carlina
oeœ	oeœ	oeœ	oeœ	oeœ	oeœ	oeœ
Ceski Sans MS	Comicos	Comolima	Codex	Couleur	Courier New	Elasma
oeœ	oeœ	oeœ	oeœ	oeœ	oeœ	oeœ
Franklin Gothic Medium	Gabaria	Garlog	Georgia	Helvetica	Impact	

In a large number of fonts, the sequence and the ligature are consistently different.

These are not variants.

D.2.3 Sequence of Two Letter V with Hook vs. Latin Small Letter W

Code Points Considered:

Code Points	Glyph	Name
028B 028B	ᵛᵛ	LATIN SMALL LETTER V WITH HOOK and LATIN SMALL LETTER V WITH HOOK
0077	w	LATIN SMALL LETTER W

Sequence ᵛᵛ w (028B028B 0077) compared using Google Fonts in <https://wordmark.it/>:

ᵛᵛ W <small>AI Bayan</small>	ᵛᵛ W <small>AI Nile</small>	ᵛᵛ W <small>AI Tarikh</small>	ᵛᵛ W <small>AINile</small>	ᵛᵛ W <small>AINile-Bold</small>	ᵛᵛ W <small>American Typewriter</small>	ᵛᵛ W <small>AmericanTypewriter</small>	ᵛᵛ W <small>AmericanTypewriter-Bold</small>
ᵛᵛ W <small>AmericanTypewriter-Condensed</small>	ᵛᵛ W <small>AmericanTypewriter-CondensedBold</small>	ᵛᵛ W <small>AmericanTypewriter-CondensedLight</small>	ᵛᵛ W <small>AmericanTypewriter-Light</small>	ᵛᵛ W <small>Andale Mono</small>	ᵛᵛ W <small>Apple Chancery</small>		
ᵛᵛ W <small>Apple Color Emoji</small>	ᵛᵛ w <small>Apple LiGothic</small>	ᵛᵛ w <small>Apple LiSung</small>	ᵛᵛ W <small>Apple SD Gothic Neo</small>	ᵛᵛ w <small>Apple Symbols</small>	ᵛᵛ W <small>AppleColorEmoji</small>	ᵛᵛ W <small>AppleGothic</small>	
ᵛᵛ W <small>Herculanum</small>	ᵛᵛ W <small>HiraMinProN-W3</small>	ᵛᵛ W <small>HiraMinProN-W5</small>	ᵛᵛ W <small>Hiragino Kaku Gothic Pro</small>	ᵛᵛ W <small>Hiragino Kaku Gothic ProN</small>	ᵛᵛ W <small>Hiragino Kaku Gothic Std</small>	ᵛᵛ W <small>Hiragino Kaku Gothic StdN</small>	
ᵛᵛ W <small>Hiragino Maru Gothic Pro</small>	ᵛᵛ W <small>Hiragino Maru Gothic ProN</small>	ᵛᵛ W <small>Hiragino Mincho Pro</small>	ᵛᵛ W <small>Hiragino Mincho ProN</small>	ᵛᵛ W <small>Hiragino Sans GB</small>	ᵛᵛ W <small>Hoefler Text</small>	ᵛᵛ W <small>HoeflerText-Black</small>	
ᵛᵛ W <small>HoeflerText-BlackItalic</small>	ᵛᵛ W <small>HoeflerText-Italic</small>	ᵛᵛ W <small>HoeflerText-Regular</small>	ᵛᵛ W <small>Impact</small>	ᵛᵛ W <small>InaMathi</small>	ᵛᵛ W <small>lowan Old Style</small>	ᵛᵛ W <small>lowanOldStyle-Bold</small>	ᵛᵛ W <small>lowanOldStyle-BoldItalic</small>

וו W Thonburi-Bold	וו W Thonburi-Light	וו W Times	וו W Times New Roman	וו W TimesNewRomanPS-BoldItalicMT	וו W TimesNewRomanPS-BoldMT	וו W TimesNewRomanPS-ItalicMT	
וו W TimesNewRomanPSMT	וו W Trebuchet MS	וו W Trebuchet-BoldItalic	וו W TrebuchetMS	וו W TrebuchetMS-Bold	וו W TrebuchetMS-Italic	וו W Verdana	וו W Verdana-Bold
וו W Verdana-BoldItalic	וו W Verdana-Italic	ווW Waseem	וו W Wawati SC	וו W Wawati TC	וו W Weibel SC	וו W Weibel TC	וו W Xingkai SC

Findings:

Sequence of two Letters V with Hook is different than Letter W

Conclusions:

These are not variants.