

Appendix D Canonical Ordering Priorities

The following priorities are assigned for use with the Unicode Equivalency Algorithm.

Priority 0: Enclosing & spacing characters plus the following

[20DD] COMBINING ENCLOSING CIRCLE
 [20DE] COMBINING ENCLOSING SQUARE
 [20DF] COMBINING ENCLOSING DIAMOND
 [20E0] COMBINING ENCLOSING CIRCLE BACKSLASH Priority 1: Overlays
 [20D2] COMBINING LONG VERTICAL LINE OVERLAY
 [20D3] COMBINING SHORT VERTICAL LINE OVERLAY
 [20D8] COMBINING RING OVERLAY
 [20D9] COMBINING CLOCKWISE RING OVERLAY
 [20DA] COMBINING ANTICLOCKWISE RING OVERLAY
 [20E1] COMBINING LEFT RIGHT ARROW ABOVE
 [0334] COMBINING TILDE OVERLAY
 [0335] COMBINING SHORT STROKE OVERLAY
 [0336] COMBINING LONG STROKE OVERLAY
 [0337] COMBINING SHORT SOLIDUS OVERLAY
 [0338] COMBINING LONG SOLIDUS OVERLAY

Priority 7: Nuktas

[093C] DEVANAGARI SIGN NUKTA
 [09BC] BENGALI SIGN NUKTA
 [0A3C] GURMUKHI SIGN NUKTA
 [0AEC] GUJARATI SIGN NUKTA
 [0B3C] ORIYA SIGN NUKTA

Priority 8: Hiragana/Katakana Voiced Marks

[3099] NON-SPACING KATAKANA-HIRAGANA VOICED SOUND MARK
 [309A] NON-SPACING KATAKANA-HIRAGANA SEMI-VOICED SOUND MARK

Priority 9: Viramas

[094D] DEVANAGARI SIGN VIRAMA
 [09CD] BENGALI SIGN VIRAMA
 [0ACD] GUJARATI SIGN VIRAMA
 [0B4D] ORIYA SIGN VIRAMA
 [0BCD] TAMIL SIGN VIRAMA
 [0C4D] TELUGU SIGN VIRAMA
 [0CCD] KANNADA SIGN VIRAMA
 [0D4D] MALAYALAM SIGN VIRAMA

Priority 10+: Fixed position classes

10: [05B0] HEBREW POINT SHEVA
 11: [05B1] HEBREW POINT HATAF SEGOL
 12: [05B2] HEBREW POINT HATAF PATAH
 13: [05B3] HEBREW POINT HATAF QAMATS
 14: [05B4] HEBREW POINT HIRIQ
 15: [05B5] HEBREW POINT TSERE
 16: [05B6] HEBREW POINT SEGOL
 17: [05B7] HEBREW POINT PATAH
 18: [05B8] HEBREW POINT QAMATS
 19: [05B9] HEBREW POINT HOLAM
 20: [05BB] HEBREW POINT QUBUTS
 21: [05BC] HEBREW POINT DAGESH
 22: [05BD] HEBREW POINT METEG
 23: [05BF] HEBREW POINT RAFE
 24: [05C1] HEBREW POINT SHIN DOT
 25: [05C2] HEBREW POINT SIN DOT
 26: [05F5] HEBREW POINT VARİKA
 27: [064B] ARABIC FATHATAN
 28: [064C] ARABIC DAMMATAN
 29: [064D] ARABIC KASRATAN
 30: [064E] ARABIC FATHAH
 31: [064F] ARABIC DAMMAH
 32: [0650] ARABIC KASRAH
 33: [0651] ARABIC SHADDAH
 34: [0652] ARABIC SUKUN
 35: [0670] ARABIC ALEF ABOVE
 36: [0902] DEVANAGARI SIGN ANUSVARA
 37: [0901] DEVANAGARI SIGN CANDRABINDU
 38: [0941] DEVANAGARI VOWEL SIGN U
 39: [0942] DEVANAGARI VOWEL SIGN UU
 40: [0943] DEVANAGARI VOWEL SIGN VOCALIC R
 41: [0944] DEVANAGARI VOWEL SIGN VOCALIC RR
 42: [0945] DEVANAGARI VOWEL SIGN CANDRA E
 43: [0946] DEVANAGARI VOWEL SIGN SHORT E

The Unicode Standard, Version 1.1

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| 44: | [0947] | DEVANAGARI VOWEL SIGN E |
| 45: | [0948] | DEVANAGARI VOWEL SIGN AI |
| 46: | [0951] | DEVANAGARI STRESS SIGN UDATTA |
| 47: | [0952] | DEVANAGARI STRESS SIGN ANUDATTA |
| 48: | [0962] | DEVANAGARI VOWEL SIGN VOCALIC L |
| 49: | [0963] | DEVANAGARI VOWEL SIGN VOCALIC LL |
| 50: | [0981] | BENGALI SIGN CANDRABINDU |
| 51: | [09C1] | BENGALI VOWEL SIGN U |
| 52: | [09C2] | BENGALI VOWEL SIGN UU |
| 53: | [09C3] | BENGALI VOWEL SIGN VOCALIC R |
| 54: | [09C4] | BENGALI VOWEL SIGN VOCALIC RR |
| 55: | [09E2] | BENGALI VOWEL SIGN VOCALIC L |
| 56: | [09E3] | BENGALI VOWEL SIGN VOCALIC LL |
| 57: | [0A02] | GURMUKHI SIGN BINDI |
| 58: | [0A41] | GURMUKHI VOWEL SIGN U |
| 59: | [0A42] | GURMUKHI VOWEL SIGN UU |
| 60: | [0A47] | GURMUKHI VOWEL SIGN EE |
| 61: | [0A48] | GURMUKHI VOWEL SIGN |
| 62: | [0A4B] | GURMUKHI VOWEL SIGN OO |
| 63: | [0A4C] | GURMUKHI VOWEL SIGN AU |
| 64: | [0A70] | GURMUKHI TIPPI |
| 65: | [0A71] | GURMUKHI ADDAK |
| 66: | [0A82] | GUJARATI SIGN ANUSVARA |
| 67: | [0A81] | GUJARATI SIGN CANDRABINDU |
| 68: | [0AC1] | GUJARATI VOWEL SIGN U |
| 69: | [0AC2] | GUJARATI VOWEL SIGN UU |
| 70: | [0AC3] | GUJARATI VOWEL SIGN VOCALIC R |
| 71: | [0AC4] | GUJARATI VOWEL SIGN VOCALIC RR |
| 72: | [0AC5] | GUJARATI VOWEL SIGN CANDRA E |
| 73: | [0AC7] | GUJARATI VOWEL SIGN E |
| 74: | [0AC8] | GUJARATI VOWEL SIGN AI |
| 75: | [0B01] | ORIYA SIGN CANDRABINDU |
| 76: | [0B3F] | ORIYA VOWEL SIGN I |
| 77: | [0B41] | ORIYA VOWEL SIGN U |
| 78: | [0B42] | ORIYA VOWEL SIGN UU |
| 79: | [0B43] | ORIYA VOWEL SIGN VOCALIC R |
| 80: | [0BC0] | TAMIL VOWEL SIGN II |
| 81: | [0C3E] | TELUUGU VOWEL SIGN AA |
| 82: | [0C3F] | TELUUGU VOWEL SIGN I |
| 83: | [0C40] | TELUUGU VOWEL SIGN II |
| 84: | [0C46] | TELUUGU VOWEL SIGN E |
| 85: | [0C47] | TELUUGU VOWEL SIGN EE |
| 86: | [0C48] | TELUUGU VOWEL SIGN AI |
| 87: | [0C4A] | TELUUGU VOWEL SIGN O |
| 88: | [0C4B] | TELUUGU VOWEL SIGN OO |
| 89: | [0C4C] | TELUUGU VOWEL SIGN AU |
| 90: | [0C55] | TELUUGU LENGTH MARK |
| 91: | [0C56] | TELUUGU AI LENGTH MARK |
| 92: | [0CBF] | KANNADA VOWEL SIGN I |
| 93: | [0CC6] | KANNADA VOWEL SIGN E |
| 94: | [0CCC] | KANNADA VOWEL SIGN AU |
| 95: | [0D41] | MALAYALAM VOWEL SIGN U |
| 96: | [0D42] | MALAYALAM VOWEL SIGN UU |
| 97: | [0D43] | MALAYALAM VOWEL SIGN VOCALIC R |
| 98: | [0E31] | THAI VOWEL SIGN MAI HAN-AKAT |
| 99: | [0E34] | THAI VOWEL SIGN SARA I |
| 100: | [0E35] | THAI VOWEL SIGN SARA II |
| 101: | [0E36] | THAI VOWEL SIGN SARA UE |
| 102: | [0E37] | THAI VOWEL SIGN SARA UEE |
| 103: | [0E38] | THAI VOWEL SIGN SARA U |
| 104: | [0E39] | THAI VOWEL SIGN SARA UU |
| 105: | [0E3A] | THAI VOWEL SIGN PHINTHU |
| 106: | [0E47] | THAI VOWEL SIGN MAI TAI KHU |
| 107: | [0E48] | THAI TONE MAI EK |
| 108: | [0E49] | THAI TONE MAI THO |
| 109: | [0E4A] | THAI TONE MAI TRI |
| 110: | [0E4B] | THAI TONE MAI CHATTAWA |
| 111: | [0E4C] | THAI THANIHAKHAT |
| 112: | [0E4D] | THAI NIKKHAHIT |
| 113: | [0EB1] | LAO VOWEL SIGN MAI KAN |
| 114: | [0EB4] | LAO VOWEL SIGN I |
| 115: | [0EB5] | LAO VOWEL SIGN II |
| 116: | [0EB6] | LAO VOWEL SIGN Y |
| 117: | [0EB7] | LAO VOWEL SIGN YY |
| 118: | [0EB8] | LAO VOWEL SIGN U |
| 119: | [0EB9] | LAO VOWEL SIGN UU |
| 120: | [0EBB] | LAO VOWEL SIGN MAI KON |
| 121: | [0EEC] | LAO SEMIVOWEL SIGN LO |
| 122: | [0EC8] | LAO TONE MAI EK |
| 123: | [0EC9] | LAO TONE MAI THO |
| 124: | [0ECA] | LAO TONE MAI TI |

125: [0ECB] LAO TONE MAI CATAWA
126: [0ECC] LAO CANCELLATION MARK
127: [0ECD] LAO NIGGAHITA

Priority 200: Below left attached

#none

Priority 202: Below attached

[0327] COMBINING CEDILLA
[0328] COMBINING OGONEK
[0321] COMBINING PALATALIZED HOOK BELOW
[0322] COMBINING RETROFLEX HOOK BELOW

Priority 204: Below right attached

#none

Priority 208: Left attached (reordrant around single base character)

#none

Priority 210: Right attached

#none

Priority 212: Above left attached

#none

Priority 214: Above attached

#none

Priority 216: Above right attached

[031B] COMBINING HORN

Priority 218: Below left

[302A] IDEOGRAPHIC LEVEL TONE MARK

Priority 220: Below

[0316] COMBINING GRAVE ACCENT BELOW
[0317] COMBINING ACUTE ACCENT BELOW
[0318] COMBINING LEFT TACK BELOW
[0319] COMBINING RIGHT TACK BELOW
[031C] COMBINING LEFT HALF RING BELOW
[031D] COMBINING UP TACK BELOW
[031E] COMBINING DOWN TACK BELOW
[031F] COMBINING PLUS SIGN BELOW
[0320] COMBINING MINUS SIGN BELOW
[0323] COMBINING DOT BELOW
[0324] COMBINING DIAERESIS BELOW
[0325] COMBINING RING BELOW
[0326] COMBINING COMMA BELOW
[0329] COMBINING VERTICAL LINE BELOW
[032A] COMBINING BRIDGE BELOW
[032B] COMBINING INVERTED DOUBLE ARCH BELOW
[032C] COMBINING CARON BELOW
[032D] COMBINING CIRCUMFLEX ACCENT BELOW
[032E] COMBINING BREVE BELOW
[032F] COMBINING INVERTED BREVE BELOW
[0330] COMBINING TILDE BELOW
[0331] COMBINING MACRON BELOW
[0332] COMBINING LOW LINE
[0333] COMBINING DOUBLE LOW LINE
[0339] COMBINING RIGHT HALF RING BELOW
[033A] COMBINING INVERTED BRIDGE BELOW
[033B] COMBINING SQUARE BELOW
[033C] COMBINING SEAGULL BELOW
[0345] COMBINING GREEK YPOGEGRAMMENI

Priority 222: Below right

[302D] IDEOGRAPHIC ENTERING TONE MARK

Priority 224: Left (reordrant around single base character)

[302E] HANGUL SINGLE DOT TONE MARK
[302F] HANGUL DOUBLE DOT TONE MARK

Priority 226: Right

#none

Priority 228: Above left

[302B] IDEOGRAPHIC RISING TONE MARK

Priority 230: Above

[0300] COMBINING GRAVE ACCENT (Vari)
[0301] COMBINING ACUTE ACCENT (Oxia)
[0302] COMBINING CIRCUMFLEX ACCENT
[0303] COMBINING TILDE
[0304] COMBINING MACRON
[0305] COMBINING OVERLINE
[0306] COMBINING BREVE (Vrachy)
[0307] COMBINING DOT ABOVE
[0308] COMBINING DIAERESIS (Dialytika)
[0309] COMBINING HOOK ABOVE
[030A] COMBINING RING ABOVE
[030B] COMBINING DOUBLE ACUTE ACCENT
[030C] COMBINING CARON
[030D] COMBINING VERTICAL LINE ABOVE (Tonos)
[030E] COMBINING DOUBLE VERTICAL LINE ABOVE
[030F] COMBINING DOUBLE GRAVE ACCENT
[0310] COMBINING CANDRABINDU
[0311] COMBINING INVERTED BREVE
[0312] COMBINING TURNED COMMA ABOVE
[0313] COMBINING COMMA ABOVE (Psili)
[0314] COMBINING REVERSED COMMA ABOVE (Dasia)
[033D] COMBINING X ABOVE
[033E] COMBINING VERTICAL TILDE
[033F] COMBINING DOUBLE OVERLINE
[0340] COMBINING GRAVE TONE MARK (Vietnamese)
[0341] COMBINING ACUTE TONE MARK (Vietnamese)
[0342] COMBINING GREEK PERISPOMENI
[0343] COMBINING GREEK KORONIS
[0344] COMBINING GREEK DIALYTIKA TONOS
[0483] CYRILLIC NON-SPACING TITLO
[0484] CYRILLIC NON-SPACING PALATALIZATION
[0485] CYRILLIC NON-SPACING DASIA PNEUMATA
[0486] CYRILLIC NON-SPACING PSILI PNEUMATA
[0953] DEVANAGARI GRAVE ACCENT
[0954] DEVANAGARI ACUTE ACCENT
[20D0] COMBINING LEFT HARPOON ABOVE
[20D1] COMBINING RIGHT HARPOON ABOVE
[20D4] COMBINING ANTICLOCKWISE ARROW ABOVE
[20D5] COMBINING CLOCKWISE ARROW ABOVE
[20D6] COMBINING LEFT ARROW ABOVE
[20D7] COMBINING RIGHT ARROW ABOVE
[20DB] COMBINING THREE DOTS ABOVE
[20DC] COMBINING FOUR DOTS ABOVE
[FE22] COMBINING DOUBLE TILDE LEFT HALF
[FE23] COMBINING DOUBLE TILDE RIGHT HALF
[FE20] COMBINING LIGATURE LEFT HALF
[FE21] COMBINING LIGATURE RIGHT HALF

Priority 232: Above right

[0315] COMBINING COMMA ABOVE RIGHT
[031A] COMBINING LEFT ANGLE ABOVE
[302C] IDEOGRAPHIC DEPARTING TONE MARK

Priority 234: Double Above

[0360] COMBINING DOUBLE TILDE
[0361] COMBINING DOUBLE INVERTED BREVE