

Title: Indic scripts collation grouping; CTT suggestion**Source: Kent Karlsson****Date: 2004-03-09****Status: Expert contribution****Document Type: Working group document, regarding 14651 amd 2****Action: For consideration by the UTC and JTC 1/SC 2**

1 Introduction

The Brahmic derived (Indic for short) scripts are pseudo-syllabic, using conjuncts and dependent vowels to form explicit orthographic syllables. In collation, each orthographic syllable should be seen as a unit. Similar to what I've suggested for the Hangul script (see companion paper "Ordering rules for Hangul"), this can be achieved without having any special separator weight (a light collation weight at the end of an orthographic syllable's sequence of collation weights, in effect achieving the grouping), by weighting the dependent vowels and the viramas extra heavy (after all scripts). This reweighting achieves the desired grouping, without any prehandling, and without introducing additional weights. In addition, in the viramas and subjoined letters section, weights for contractions for <virama, consonant> can be introduced, in order to decrease the number of weights for a string somewhat (so that the virama and consonant do not have two weights, but one single (and heavy) weight).

The Khmer, Thai, and Lao scripts are dealt with in another suggestion to WG2 for 14651-amd2 (see two companion papers "Ordering rules for Khmer, Thai, and Lao"), which include other detail changes. Similar detail changes may be needed also for the scripts covered by this proposal (such as primary, and heavy, weights for anusvaras and visargas), but here only the grouping reweighting is considered.

Note that the actual syllables for the Thai and Lao scripts may differ from the orthographic syllables. But this does not affect collation for these scripts. Likewise, the actual syllables for Tibetan is often different from the orthographic syllable, and in addition the true collation is based on the actual syllables, and indeed pick out a stem consonant from the syllable, which need not be the consonant written first in the syllable (but the one pronounced first, according to some rather complex rules). This proposal does not cover such an analysis for Tibetan, but still gives the basis for collation grouping of the orthographic syllables, which may be used also when such an analysis is done.

The main point of this suggestion is that the desired syllabic grouping can be achieved by moving dependent vowels, viramas, and subjoined letters to the end of the collation sequence. See the list below.

2 Suggested weighting order for the CTT

%% "length marks" and avagrahas should be ordered as punctuation:

```

<U09D7> IGNORE;IGNORE;IGNORE;<U09D7> % BENGALI AU LENGTH MARK
<U0B56> IGNORE;IGNORE;IGNORE;<U0B56> % ORIYA AI LENGTH MARK
<U0B57> IGNORE;IGNORE;IGNORE;<U0B57> % ORIYA AU LENGTH MARK
<U0BD7> IGNORE;IGNORE;IGNORE;<U0BD7> % TAMIL AU LENGTH MARK
<U0C55> IGNORE;IGNORE;IGNORE;<U0C55> % TELUGU LENGTH MARK
<U0C56> IGNORE;IGNORE;IGNORE;<U0C56> % TELUGU AI LENGTH MARK
<U0CD5> IGNORE;IGNORE;IGNORE;<U0CD5> % KANNADA LENGTH MARK
<U0CD6> IGNORE;IGNORE;IGNORE;<U0CD6> % KANNADA AI LENGTH MARK
<U0D57> IGNORE;IGNORE;IGNORE;<U0D57> % MALAYALAM AU LENGTH MARK

<U093D> IGNORE;IGNORE;IGNORE;<U093D> % DEVANAGARI SIGN AVAGRAHA
<U09BD> IGNORE;IGNORE;IGNORE;<U09BD> % BENGALI SIGN AVAGRAHA
<U0ABD> IGNORE;IGNORE;IGNORE;<U0ABD> % GUJARATI SIGN AVAGRAHA
<U0B3D> IGNORE;IGNORE;IGNORE;<U0B3D> % ORIYA SIGN AVAGRAHA
<U0CBD> IGNORE;IGNORE;IGNORE;<U0CBD> % KANNADA SIGN AVAGRAHA

```

%%-- "freestanding" letters; ordered as they are, among other alphabets ---

```

<U0950> <S0950>;<BASE>;<MIN>;<U0950> % DEVANAGARI OM
<U0904> <S0904>;<BASE>;<MIN>;<U0904> % DEVANAGARI LETTER SHORT A
<U0905> <S0905>;<BASE>;<MIN>;<U0905> % DEVANAGARI LETTER A
<U0906> <S0906>;<BASE>;<MIN>;<U0906> % DEVANAGARI LETTER AA
<U0907> <S0907>;<BASE>;<MIN>;<U0907> % DEVANAGARI LETTER I
<U0908> <S0908>;<BASE>;<MIN>;<U0908> % DEVANAGARI LETTER II
<U0909> <S0909>;<BASE>;<MIN>;<U0909> % DEVANAGARI LETTER U
<U090A> <S090A>;<BASE>;<MIN>;<U090A> % DEVANAGARI LETTER UU
<U090B> <S090B>;<BASE>;<MIN>;<U090B> % DEVANAGARI LETTER VOCALIC R
<U0960> <S0960>;<BASE>;<MIN>;<U0960> % DEVANAGARI LETTER VOCALIC RR
<U090C> <S090C>;<BASE>;<MIN>;<U090C> % DEVANAGARI LETTER VOCALIC L
<U0961> <S0961>;<BASE>;<MIN>;<U0961> % DEVANAGARI LETTER VOCALIC LL
<U090D> <S090D>;<BASE>;<MIN>;<U090D> % DEVANAGARI LETTER CANDRA E
<U090E> <S090E>;<BASE>;<MIN>;<U090E> % DEVANAGARI LETTER SHORT E
<U090F> <S090F>;<BASE>;<MIN>;<U090F> % DEVANAGARI LETTER E
<U0910> <S0910>;<BASE>;<MIN>;<U0910> % DEVANAGARI LETTER AI
<U0911> <S0911>;<BASE>;<MIN>;<U0911> % DEVANAGARI LETTER CANDRA O
<U0912> <S0912>;<BASE>;<MIN>;<U0912> % DEVANAGARI LETTER SHORT O
<U0913> <S0913>;<BASE>;<MIN>;<U0913> % DEVANAGARI LETTER O
<U0914> <S0914>;<BASE>;<MIN>;<U0914> % DEVANAGARI LETTER AU
<U0915> <S0915>;<BASE>;<MIN>;<U0915> % DEVANAGARI LETTER KA
<U0958> <S0915>;<BASE>;<MIN>;<U0958> % DEVANAGARI LETTER QA
<U0916> <S0916>;<BASE>;<MIN>;<U0916> % DEVANAGARI LETTER KHA
<U0959> <S0916>;<BASE>;<MIN>;<U0959> % DEVANAGARI LETTER KHHA
<U0917> <S0917>;<BASE>;<MIN>;<U0917> % DEVANAGARI LETTER GA
<U095A> <S0917>;<BASE>;<MIN>;<U095A> % DEVANAGARI LETTER GHHA
<U0918> <S0918>;<BASE>;<MIN>;<U0918> % DEVANAGARI LETTER GHA
<U0919> <S0919>;<BASE>;<MIN>;<U0919> % DEVANAGARI LETTER NGA
<U091A> <S091A>;<BASE>;<MIN>;<U091A> % DEVANAGARI LETTER CA
<U091B> <S091B>;<BASE>;<MIN>;<U091B> % DEVANAGARI LETTER CHA
<U091C> <S091C>;<BASE>;<MIN>;<U091C> % DEVANAGARI LETTER JA
<U095B> <S091C>;<BASE>;<MIN>;<U095B> % DEVANAGARI LETTER ZA
<U091D> <S091D>;<BASE>;<MIN>;<U091D> % DEVANAGARI LETTER JHA
<U091E> <S091E>;<BASE>;<MIN>;<U091E> % DEVANAGARI LETTER NYA
<U091F> <S091F>;<BASE>;<MIN>;<U091F> % DEVANAGARI LETTER TTA
<U0920> <S0920>;<BASE>;<MIN>;<U0920> % DEVANAGARI LETTER TTHA
<U0921> <S0921>;<BASE>;<MIN>;<U0921> % DEVANAGARI LETTER DDA

```

<U095C> <S0921>;<BASE><D093C>;" <MIN><MIN>;<U095C> % DEVANAGARI LETTER DDDHA
 <U0922> <S0922>;<BASE>;<MIN>;<U0922> % DEVANAGARI LETTER DDHA
 <U095D> <S0922>;" <BASE><D093C>;" <MIN><MIN>;<U095D> % DEVANAGARI LETTER RHA
 <U0923> <S0923>;<BASE>;<MIN>;<U0923> % DEVANAGARI LETTER NNA
 <U0924> <S0924>;<BASE>;<MIN>;<U0924> % DEVANAGARI LETTER TA
 <U0925> <S0925>;<BASE>;<MIN>;<U0925> % DEVANAGARI LETTER THA
 <U0926> <S0926>;<BASE>;<MIN>;<U0926> % DEVANAGARI LETTER DA
 <U0927> <S0927>;<BASE>;<MIN>;<U0927> % DEVANAGARI LETTER DHA
 <U0928> <S0928>;<BASE>;<MIN>;<U0928> % DEVANAGARI LETTER NA
 <U0929> <S0928>;" <BASE><D093C>;" <MIN><MIN>;<U0929> % DEVANAGARI LETTER NNNA
 <U092A> <S092A>;<BASE>;<MIN>;<U092A> % DEVANAGARI LETTER PA
 <U092B> <S092B>;<BASE>;<MIN>;<U092B> % DEVANAGARI LETTER PHA
 <U095E> <S092B>;" <BASE><D093C>;" <MIN><MIN>;<U095E> % DEVANAGARI LETTER FA
 <U092C> <S092C>;<BASE>;<MIN>;<U092C> % DEVANAGARI LETTER BA
 <U092D> <S092D>;<BASE>;<MIN>;<U092D> % DEVANAGARI LETTER BHA
 <U092E> <S092E>;<BASE>;<MIN>;<U092E> % DEVANAGARI LETTER MA
 <U092F> <S092F>;<BASE>;<MIN>;<U092F> % DEVANAGARI LETTER YA
 <U095F> <S092F>;" <BASE><D093C>;" <MIN><MIN>;<U095F> % DEVANAGARI LETTER YYA
 <U0930> <S0930>;<BASE>;<MIN>;<U0930> % DEVANAGARI LETTER RA
 <U0931> <S0930>;" <BASE><D093C>;" <MIN><MIN>;<U0931> % DEVANAGARI LETTER RRA
 <U0932> <S0932>;<BASE>;<MIN>;<U0932> % DEVANAGARI LETTER LA
 <U0933> <S0933>;<BASE>;<MIN>;<U0933> % DEVANAGARI LETTER LLA
 <U0934> <S0933>;" <BASE><D093C>;" <MIN><MIN>;<U0934> % DEVANAGARI LETTER LLLA
 <U0935> <S0935>;<BASE>;<MIN>;<U0935> % DEVANAGARI LETTER VA
 <U0936> <S0936>;<BASE>;<MIN>;<U0936> % DEVANAGARI LETTER SHA
 <U0937> <S0937>;<BASE>;<MIN>;<U0937> % DEVANAGARI LETTER SSA
 <U0938> <S0938>;<BASE>;<MIN>;<U0938> % DEVANAGARI LETTER SA
 <U0939> <S0939>;<BASE>;<MIN>;<U0939> % DEVANAGARI LETTER HA

<U0985> <S0985>;<BASE>;<MIN>;<U0985> % BENGALI LETTER A
 <U0986> <S0986>;<BASE>;<MIN>;<U0986> % BENGALI LETTER AA
 <U0987> <S0987>;<BASE>;<MIN>;<U0987> % BENGALI LETTER I
 <U0988> <S0988>;<BASE>;<MIN>;<U0988> % BENGALI LETTER II
 <U0989> <S0989>;<BASE>;<MIN>;<U0989> % BENGALI LETTER U
 <U098A> <S098A>;<BASE>;<MIN>;<U098A> % BENGALI LETTER UU
 <U098B> <S098B>;<BASE>;<MIN>;<U098B> % BENGALI LETTER VOCALIC R
 <U09E0> <S09E0>;<BASE>;<MIN>;<U09E0> % BENGALI LETTER VOCALIC RR
 <U098C> <S098C>;<BASE>;<MIN>;<U098C> % BENGALI LETTER VOCALIC L
 <U09E1> <S09E1>;<BASE>;<MIN>;<U09E1> % BENGALI LETTER VOCALIC LL
 <U098F> <S098F>;<BASE>;<MIN>;<U098F> % BENGALI LETTER E
 <U0990> <S0990>;<BASE>;<MIN>;<U0990> % BENGALI LETTER AI
 <U0993> <S0993>;<BASE>;<MIN>;<U0993> % BENGALI LETTER O
 <U0994> <S0994>;<BASE>;<MIN>;<U0994> % BENGALI LETTER AU
 <U0995> <S0995>;<BASE>;<MIN>;<U0995> % BENGALI LETTER KA
 <U0996> <S0996>;<BASE>;<MIN>;<U0996> % BENGALI LETTER KHA
 <U0997> <S0997>;<BASE>;<MIN>;<U0997> % BENGALI LETTER GA
 <U0998> <S0998>;<BASE>;<MIN>;<U0998> % BENGALI LETTER GHA
 <U0999> <S0999>;<BASE>;<MIN>;<U0999> % BENGALI LETTER NGA
 <U099A> <S099A>;<BASE>;<MIN>;<U099A> % BENGALI LETTER CA
 <U099B> <S099B>;<BASE>;<MIN>;<U099B> % BENGALI LETTER CHA
 <U099C> <S099C>;<BASE>;<MIN>;<U099C> % BENGALI LETTER JA
 <U099D> <S099D>;<BASE>;<MIN>;<U099D> % BENGALI LETTER JHA
 <U099E> <S099E>;<BASE>;<MIN>;<U099E> % BENGALI LETTER NYA
 <U099F> <S099F>;<BASE>;<MIN>;<U099F> % BENGALI LETTER TTA
 <U09A0> <S09A0>;<BASE>;<MIN>;<U09A0> % BENGALI LETTER TTHA
 <U09A1> <S09A1>;<BASE>;<MIN>;<U09A1> % BENGALI LETTER DDA
 <U09DC> <S09A1>;" <BASE><D09BC>;" <MIN><MIN>;<U09DC> % BENGALI LETTER RRA
 <U09A2> <S09A2>;<BASE>;<MIN>;<U09A2> % BENGALI LETTER DDHA
 <U09DD> <S09A2>;" <BASE><D09BC>;" <MIN><MIN>;<U09DD> % BENGALI LETTER RHA
 <U09A3> <S09A3>;<BASE>;<MIN>;<U09A3> % BENGALI LETTER NNA
 <U09A4> <S09A4>;<BASE>;<MIN>;<U09A4> % BENGALI LETTER TA
 <U09A5> <S09A5>;<BASE>;<MIN>;<U09A5> % BENGALI LETTER THA
 <U09A6> <S09A6>;<BASE>;<MIN>;<U09A6> % BENGALI LETTER DA
 <U09A7> <S09A7>;<BASE>;<MIN>;<U09A7> % BENGALI LETTER DHA
 <U09A8> <S09A8>;<BASE>;<MIN>;<U09A8> % BENGALI LETTER NA
 <U09AA> <S09AA>;<BASE>;<MIN>;<U09AA> % BENGALI LETTER PA
 <U09AB> <S09AB>;<BASE>;<MIN>;<U09AB> % BENGALI LETTER PHA
 <U09AC> <S09AC>;<BASE>;<MIN>;<U09AC> % BENGALI LETTER BA
 <U09AD> <S09AD>;<BASE>;<MIN>;<U09AD> % BENGALI LETTER BHA
 <U09AE> <S09AE>;<BASE>;<MIN>;<U09AE> % BENGALI LETTER MA
 <U09AF> <S09AF>;<BASE>;<MIN>;<U09AF> % BENGALI LETTER YA
 <U09DF> <S09AF>;" <BASE><D09BC>;" <MIN><MIN>;<U09DF> % BENGALI LETTER YYA
 <U09B0> <S09B0>;<BASE>;<MIN>;<U09B0> % BENGALI LETTER RA
 <U09F0> <S09F0>;<BASE>;<MIN>;<U09F0> % BENGALI LETTER RA WITH MIDDLE DIAGONAL

<U09B2> <S09B2>;<BASE>;<MIN>;<U09B2> % BENGALI LETTER LA
 <U09F1> <S09F1>;<BASE>;<MIN>;<U09F1> % BENGALI LETTER RA WITH LOWER DIAGONAL
 <U09B6> <S09B6>;<BASE>;<MIN>;<U09B6> % BENGALI LETTER SHA
 <U09B7> <S09B7>;<BASE>;<MIN>;<U09B7> % BENGALI LETTER SSA
 <U09B8> <S09B8>;<BASE>;<MIN>;<U09B8> % BENGALI LETTER SA
 <U09B9> <S09B9>;<BASE>;<MIN>;<U09B9> % BENGALI LETTER HA

<U0A74> <S0A74>;<BASE>;<MIN>;<U0A74> % GURMUKHI EK ONKAR
 <U0A73> <S0A73>;<BASE>;<MIN>;<U0A73> % GURMUKHI URA
 <U0A09> <S0A09>;<BASE>;<MIN>;<U0A09> % GURMUKHI LETTER U
 <U0A0A> <S0A0A>;<BASE>;<MIN>;<U0A0A> % GURMUKHI LETTER UU
 <U0A13> <S0A13>;<BASE>;<MIN>;<U0A13> % GURMUKHI LETTER OO
 <U0A05> <S0A05>;<BASE>;<MIN>;<U0A05> % GURMUKHI LETTER A
 <U0A06> <S0A06>;<BASE>;<MIN>;<U0A06> % GURMUKHI LETTER AA
 <U0A10> <S0A10>;<BASE>;<MIN>;<U0A10> % GURMUKHI LETTER AI
 <U0A14> <S0A14>;<BASE>;<MIN>;<U0A14> % GURMUKHI LETTER AU
 <U0A72> <S0A72>;<BASE>;<MIN>;<U0A72> % GURMUKHI IRI
 <U0A07> <S0A07>;<BASE>;<MIN>;<U0A07> % GURMUKHI LETTER I
 <U0A08> <S0A08>;<BASE>;<MIN>;<U0A08> % GURMUKHI LETTER II
 <U0A0F> <S0A0F>;<BASE>;<MIN>;<U0A0F> % GURMUKHI LETTER EE
 <U0A38> <S0A38>;<BASE>;<MIN>;<U0A38> % GURMUKHI LETTER SA
 <U0A36> <S0A38>; " <BASE><D0A3C>" ; " <MIN><MIN>" ; <U0A36> % GURMUKHI LETTER SHA
 <U0A39> <S0A39>;<BASE>;<MIN>;<U0A39> % GURMUKHI LETTER HA
 <U0A15> <S0A15>;<BASE>;<MIN>;<U0A15> % GURMUKHI LETTER KA
 <U0A16> <S0A16>;<BASE>;<MIN>;<U0A16> % GURMUKHI LETTER KHA
 <U0A59> <S0A16>; " <BASE><D0A3C>" ; " <MIN><MIN>" ; <U0A59> % GURMUKHI LETTER KHHA
 <U0A17> <S0A17>;<BASE>;<MIN>;<U0A17> % GURMUKHI LETTER GA
 <U0A5A> <S0A17>; " <BASE><D0A3C>" ; " <MIN><MIN>" ; <U0A5A> % GURMUKHI LETTER GHHA
 <U0A18> <S0A18>;<BASE>;<MIN>;<U0A18> % GURMUKHI LETTER GHA
 <U0A19> <S0A19>;<BASE>;<MIN>;<U0A19> % GURMUKHI LETTER NGA
 <U0A1A> <S0A1A>;<BASE>;<MIN>;<U0A1A> % GURMUKHI LETTER CA
 <U0A1B> <S0A1B>;<BASE>;<MIN>;<U0A1B> % GURMUKHI LETTER CHA
 <U0A1C> <S0A1C>;<BASE>;<MIN>;<U0A1C> % GURMUKHI LETTER JA
 <U0A5B> <S0A1C>; " <BASE><D0A3C>" ; " <MIN><MIN>" ; <U0A5B> % GURMUKHI LETTER ZA
 <U0A1D> <S0A1D>;<BASE>;<MIN>;<U0A1D> % GURMUKHI LETTER JHA
 <U0A1E> <S0A1E>;<BASE>;<MIN>;<U0A1E> % GURMUKHI LETTER NYA
 <U0A1F> <S0A1F>;<BASE>;<MIN>;<U0A1F> % GURMUKHI LETTER TTA
 <U0A20> <S0A20>;<BASE>;<MIN>;<U0A20> % GURMUKHI LETTER TTHA
 <U0A21> <S0A21>;<BASE>;<MIN>;<U0A21> % GURMUKHI LETTER DDA
 <U0A22> <S0A22>;<BASE>;<MIN>;<U0A22> % GURMUKHI LETTER DDHA
 <U0A23> <S0A23>;<BASE>;<MIN>;<U0A23> % GURMUKHI LETTER NNA
 <U0A24> <S0A24>;<BASE>;<MIN>;<U0A24> % GURMUKHI LETTER TA
 <U0A25> <S0A25>;<BASE>;<MIN>;<U0A25> % GURMUKHI LETTER THA
 <U0A26> <S0A26>;<BASE>;<MIN>;<U0A26> % GURMUKHI LETTER DA
 <U0A27> <S0A27>;<BASE>;<MIN>;<U0A27> % GURMUKHI LETTER DHA
 <U0A28> <S0A28>;<BASE>;<MIN>;<U0A28> % GURMUKHI LETTER NA
 <U0A2A> <S0A2A>;<BASE>;<MIN>;<U0A2A> % GURMUKHI LETTER PA
 <U0A2B> <S0A2B>;<BASE>;<MIN>;<U0A2B> % GURMUKHI LETTER PHA
 <U0A5E> <S0A2B>; " <BASE><D0A3C>" ; " <MIN><MIN>" ; <U0A5E> % GURMUKHI LETTER FA
 <U0A2C> <S0A2C>;<BASE>;<MIN>;<U0A2C> % GURMUKHI LETTER BA
 <U0A2D> <S0A2D>;<BASE>;<MIN>;<U0A2D> % GURMUKHI LETTER BHA
 <U0A2E> <S0A2E>;<BASE>;<MIN>;<U0A2E> % GURMUKHI LETTER MA
 <U0A2F> <S0A2F>;<BASE>;<MIN>;<U0A2F> % GURMUKHI LETTER YA
 <U0A30> <S0A30>;<BASE>;<MIN>;<U0A30> % GURMUKHI LETTER RA
 <U0A32> <S0A32>;<BASE>;<MIN>;<U0A32> % GURMUKHI LETTER LA
 <U0A33> <S0A32>; " <BASE><D0A3C>" ; " <MIN><MIN>" ; <U0A33> % GURMUKHI LETTER LLA
 <U0A35> <S0A35>;<BASE>;<MIN>;<U0A35> % GURMUKHI LETTER VA
 <U0A5C> <S0A5C>;<BASE>;<MIN>;<U0A5C> % GURMUKHI LETTER RRA

<U0AD0> <S0AD0>;<BASE>;<MIN>;<U0AD0> % GUJARATI OM
 <U0A85> <S0A85>;<BASE>;<MIN>;<U0A85> % GUJARATI LETTER A
 <U0A86> <S0A86>;<BASE>;<MIN>;<U0A86> % GUJARATI LETTER AA
 <U0A87> <S0A87>;<BASE>;<MIN>;<U0A87> % GUJARATI LETTER I
 <U0A88> <S0A88>;<BASE>;<MIN>;<U0A88> % GUJARATI LETTER II
 <U0A89> <S0A89>;<BASE>;<MIN>;<U0A89> % GUJARATI LETTER U
 <U0A8A> <S0A8A>;<BASE>;<MIN>;<U0A8A> % GUJARATI LETTER UU
 <U0A8B> <S0A8B>;<BASE>;<MIN>;<U0A8B> % GUJARATI LETTER VOCALIC R
 <U0AE0> <S0AE0>;<BASE>;<MIN>;<U0AE0> % GUJARATI LETTER VOCALIC RR
 <U0A8C> <S0A8C>;<BASE>;<MIN>;<U0A8C> % GUJARATI LETTER VOCALIC L
 <U0AE1> <S0AE1>;<BASE>;<MIN>;<U0AE1> % GUJARATI LETTER VOCALIC LL
 <U0A8D> <S0A8D>;<BASE>;<MIN>;<U0A8D> % GUJARATI VOWEL CANDRA E
 <U0A8F> <S0A8F>;<BASE>;<MIN>;<U0A8F> % GUJARATI LETTER E
 <U0A90> <S0A90>;<BASE>;<MIN>;<U0A90> % GUJARATI LETTER AI

<U0A91> <S0A91>;<BASE>;<MIN>;<U0A91> % GUJARATI VOWEL CANDRA O
 <U0A93> <S0A93>;<BASE>;<MIN>;<U0A93> % GUJARATI LETTER O
 <U0A94> <S0A94>;<BASE>;<MIN>;<U0A94> % GUJARATI LETTER AU
 <U0A95> <S0A95>;<BASE>;<MIN>;<U0A95> % GUJARATI LETTER KA
 <U0A96> <S0A96>;<BASE>;<MIN>;<U0A96> % GUJARATI LETTER KHA
 <U0A97> <S0A97>;<BASE>;<MIN>;<U0A97> % GUJARATI LETTER GA
 <U0A98> <S0A98>;<BASE>;<MIN>;<U0A98> % GUJARATI LETTER GHA
 <U0A99> <S0A99>;<BASE>;<MIN>;<U0A99> % GUJARATI LETTER NGA
 <U0A9A> <S0A9A>;<BASE>;<MIN>;<U0A9A> % GUJARATI LETTER CA
 <U0A9B> <S0A9B>;<BASE>;<MIN>;<U0A9B> % GUJARATI LETTER CHA
 <U0A9C> <S0A9C>;<BASE>;<MIN>;<U0A9C> % GUJARATI LETTER JA
 <U0A9D> <S0A9D>;<BASE>;<MIN>;<U0A9D> % GUJARATI LETTER JHA
 <U0A9E> <S0A9E>;<BASE>;<MIN>;<U0A9E> % GUJARATI LETTER NYA
 <U0A9F> <S0A9F>;<BASE>;<MIN>;<U0A9F> % GUJARATI LETTER TTA
 <U0AA0> <S0AA0>;<BASE>;<MIN>;<U0AA0> % GUJARATI LETTER TTHA
 <U0AA1> <S0AA1>;<BASE>;<MIN>;<U0AA1> % GUJARATI LETTER DDA
 <U0AA2> <S0AA2>;<BASE>;<MIN>;<U0AA2> % GUJARATI LETTER DDHA
 <U0AA3> <S0AA3>;<BASE>;<MIN>;<U0AA3> % GUJARATI LETTER NNA
 <U0AA4> <S0AA4>;<BASE>;<MIN>;<U0AA4> % GUJARATI LETTER TA
 <U0AA5> <S0AA5>;<BASE>;<MIN>;<U0AA5> % GUJARATI LETTER THA
 <U0AA6> <S0AA6>;<BASE>;<MIN>;<U0AA6> % GUJARATI LETTER DA
 <U0AA7> <S0AA7>;<BASE>;<MIN>;<U0AA7> % GUJARATI LETTER DHA
 <U0AA8> <S0AA8>;<BASE>;<MIN>;<U0AA8> % GUJARATI LETTER NA
 <U0AAA> <S0AAA>;<BASE>;<MIN>;<U0AAA> % GUJARATI LETTER PA
 <U0AAB> <S0AAB>;<BASE>;<MIN>;<U0AAB> % GUJARATI LETTER PHA
 <U0AAC> <S0AAC>;<BASE>;<MIN>;<U0AAC> % GUJARATI LETTER BA
 <U0AAD> <S0AAD>;<BASE>;<MIN>;<U0AAD> % GUJARATI LETTER BHA
 <U0AAE> <S0AAE>;<BASE>;<MIN>;<U0AAE> % GUJARATI LETTER MA
 <U0AAF> <S0AAF>;<BASE>;<MIN>;<U0AAF> % GUJARATI LETTER YA
 <U0AB0> <S0AB0>;<BASE>;<MIN>;<U0AB0> % GUJARATI LETTER RA
 <U0AB2> <S0AB2>;<BASE>;<MIN>;<U0AB2> % GUJARATI LETTER LA
 <U0AB3> <S0AB3>;<BASE>;<MIN>;<U0AB3> % GUJARATI LETTER LLA
 <U0AB5> <S0AB5>;<BASE>;<MIN>;<U0AB5> % GUJARATI LETTER VA
 <U0AB6> <S0AB6>;<BASE>;<MIN>;<U0AB6> % GUJARATI LETTER SHA
 <U0AB7> <S0AB7>;<BASE>;<MIN>;<U0AB7> % GUJARATI LETTER SSA
 <U0AB8> <S0AB8>;<BASE>;<MIN>;<U0AB8> % GUJARATI LETTER SA
 <U0AB9> <S0AB9>;<BASE>;<MIN>;<U0AB9> % GUJARATI LETTER HA

 <U0B05> <S0B05>;<BASE>;<MIN>;<U0B05> % ORIYA LETTER A
 <U0B06> <S0B06>;<BASE>;<MIN>;<U0B06> % ORIYA LETTER AA
 <U0B07> <S0B07>;<BASE>;<MIN>;<U0B07> % ORIYA LETTER I
 <U0B08> <S0B08>;<BASE>;<MIN>;<U0B08> % ORIYA LETTER II
 <U0B09> <S0B09>;<BASE>;<MIN>;<U0B09> % ORIYA LETTER U
 <U0B0A> <S0B0A>;<BASE>;<MIN>;<U0B0A> % ORIYA LETTER UU
 <U0B0B> <S0B0B>;<BASE>;<MIN>;<U0B0B> % ORIYA LETTER VOCALIC R
 <U0B60> <S0B60>;<BASE>;<MIN>;<U0B60> % ORIYA LETTER VOCALIC RR
 <U0B0C> <S0B0C>;<BASE>;<MIN>;<U0B0C> % ORIYA LETTER VOCALIC L
 <U0B61> <S0B61>;<BASE>;<MIN>;<U0B61> % ORIYA LETTER VOCALIC LL
 <U0B0F> <S0B0F>;<BASE>;<MIN>;<U0B0F> % ORIYA LETTER E
 <U0B10> <S0B10>;<BASE>;<MIN>;<U0B10> % ORIYA LETTER AI
 <U0B13> <S0B13>;<BASE>;<MIN>;<U0B13> % ORIYA LETTER O
 <U0B14> <S0B14>;<BASE>;<MIN>;<U0B14> % ORIYA LETTER AU
 <U0B15> <S0B15>;<BASE>;<MIN>;<U0B15> % ORIYA LETTER KA
 <U0B16> <S0B16>;<BASE>;<MIN>;<U0B16> % ORIYA LETTER KHA
 <U0B17> <S0B17>;<BASE>;<MIN>;<U0B17> % ORIYA LETTER GA
 <U0B18> <S0B18>;<BASE>;<MIN>;<U0B18> % ORIYA LETTER GHA
 <U0B19> <S0B19>;<BASE>;<MIN>;<U0B19> % ORIYA LETTER NGA
 <U0B1A> <S0B1A>;<BASE>;<MIN>;<U0B1A> % ORIYA LETTER CA
 <U0B1B> <S0B1B>;<BASE>;<MIN>;<U0B1B> % ORIYA LETTER CHA
 <U0B1C> <S0B1C>;<BASE>;<MIN>;<U0B1C> % ORIYA LETTER JA
 <U0B1D> <S0B1D>;<BASE>;<MIN>;<U0B1D> % ORIYA LETTER JHA
 <U0B1E> <S0B1E>;<BASE>;<MIN>;<U0B1E> % ORIYA LETTER NYA
 <U0B1F> <S0B1F>;<BASE>;<MIN>;<U0B1F> % ORIYA LETTER TTA
 <U0B20> <S0B20>;<BASE>;<MIN>;<U0B20> % ORIYA LETTER TTHA
 <U0B21> <S0B21>;<BASE>;<MIN>;<U0B21> % ORIYA LETTER DDA
 <U0B5C> <S0B21>; "<BASE><DOB3C>"; "<MIN><MIN>";<U0B5C> % ORIYA LETTER RRA
 <U0B22> <S0B22>;<BASE>;<MIN>;<U0B22> % ORIYA LETTER DDHA
 <U0B5D> <S0B22>; "<BASE><DOB3C>"; "<MIN><MIN>";<U0B5D> % ORIYA LETTER RHA
 <U0B23> <S0B23>;<BASE>;<MIN>;<U0B23> % ORIYA LETTER NNA
 <U0B24> <S0B24>;<BASE>;<MIN>;<U0B24> % ORIYA LETTER TA
 <U0B25> <S0B25>;<BASE>;<MIN>;<U0B25> % ORIYA LETTER THA
 <U0B26> <S0B26>;<BASE>;<MIN>;<U0B26> % ORIYA LETTER DA
 <U0B27> <S0B27>;<BASE>;<MIN>;<U0B27> % ORIYA LETTER DHA
 <U0B28> <S0B28>;<BASE>;<MIN>;<U0B28> % ORIYA LETTER NA

```

<U0B2A> <S0B2A>;<BASE>;<MIN>;<U0B2A> % ORIYA LETTER PA
<U0B2B> <S0B2B>;<BASE>;<MIN>;<U0B2B> % ORIYA LETTER PHA
<U0B2C> <S0B2C>;<BASE>;<MIN>;<U0B2C> % ORIYA LETTER BA
<U0B2D> <S0B2D>;<BASE>;<MIN>;<U0B2D> % ORIYA LETTER BHA
<U0B2E> <S0B2E>;<BASE>;<MIN>;<U0B2E> % ORIYA LETTER MA
<U0B2F> <S0B2F>;<BASE>;<MIN>;<U0B2F> % ORIYA LETTER YA
<U0B5F> <S0B5F>;<BASE>;<MIN>;<U0B5F> % ORIYA LETTER YYA
<U0B30> <S0B30>;<BASE>;<MIN>;<U0B30> % ORIYA LETTER RA
<U0B32> <S0B32>;<BASE>;<MIN>;<U0B32> % ORIYA LETTER LA
<U0B33> <S0B33>;<BASE>;<MIN>;<U0B33> % ORIYA LETTER LLA
<U0B35> <S0B35>;<BASE>;<MIN>;<U0B35> % ORIYA LETTER VA
<U0B71> <S0B71>;<BASE>;<MIN>;<U0B71> % ORIYA LETTER WA
<U0B36> <S0B36>;<BASE>;<MIN>;<U0B36> % ORIYA LETTER SHA
<U0B37> <S0B37>;<BASE>;<MIN>;<U0B37> % ORIYA LETTER SSA
<U0B38> <S0B38>;<BASE>;<MIN>;<U0B38> % ORIYA LETTER SA
<U0B39> <S0B39>;<BASE>;<MIN>;<U0B39> % ORIYA LETTER HA

<U0B83> <S0B83>;<BASE>;<MIN>;<U0B83> % TAMIL SIGN VISARGA
<U0B85> <S0B85>;<BASE>;<MIN>;<U0B85> % TAMIL LETTER A
<U0B86> <S0B86>;<BASE>;<MIN>;<U0B86> % TAMIL LETTER AA
<U0B87> <S0B87>;<BASE>;<MIN>;<U0B87> % TAMIL LETTER I
<U0B88> <S0B88>;<BASE>;<MIN>;<U0B88> % TAMIL LETTER II
<U0B89> <S0B89>;<BASE>;<MIN>;<U0B89> % TAMIL LETTER U
<U0B8A> <S0B8A>;<BASE>;<MIN>;<U0B8A> % TAMIL LETTER UU
<U0B8E> <S0B8E>;<BASE>;<MIN>;<U0B8E> % TAMIL LETTER E
<U0B8F> <S0B8F>;<BASE>;<MIN>;<U0B8F> % TAMIL LETTER EE
<U0B90> <S0B90>;<BASE>;<MIN>;<U0B90> % TAMIL LETTER AI
<U0B92> <S0B92>;<BASE>;<MIN>;<U0B92> % TAMIL LETTER O
<U0B93> <S0B93>;<BASE>;<MIN>;<U0B93> % TAMIL LETTER OO
<U0B94> <S0B94>;<BASE>;<MIN>;<U0B94> % TAMIL LETTER AU
<U0B92_0BD7> <S0B94>;<BASE>;<MIN>;<U0B94> % TAMIL LETTER AU
<U0B95> <S0B95>;<BASE>;<MIN>;<U0B95> % TAMIL LETTER KA
<U0B99> <S0B99>;<BASE>;<MIN>;<U0B99> % TAMIL LETTER NGA
<U0B9A> <S0B9A>;<BASE>;<MIN>;<U0B9A> % TAMIL LETTER CA
<U0B9C> <S0B9C>;<BASE>;<MIN>;<U0B9C> % TAMIL LETTER JA
<U0B9E> <S0B9E>;<BASE>;<MIN>;<U0B9E> % TAMIL LETTER NYA
<U0B9F> <S0B9F>;<BASE>;<MIN>;<U0B9F> % TAMIL LETTER TTA
<U0BA3> <S0BA3>;<BASE>;<MIN>;<U0BA3> % TAMIL LETTER NNA
<U0BA4> <S0BA4>;<BASE>;<MIN>;<U0BA4> % TAMIL LETTER TA
<U0BA8> <S0BA8>;<BASE>;<MIN>;<U0BA8> % TAMIL LETTER NA
<U0BA9> <S0BA9>;<BASE>;<MIN>;<U0BA9> % TAMIL LETTER NNA
<U0BAA> <S0BAA>;<BASE>;<MIN>;<U0BAA> % TAMIL LETTER PA
<U0BAE> <S0BAE>;<BASE>;<MIN>;<U0BAE> % TAMIL LETTER MA
<U0BAF> <S0BAF>;<BASE>;<MIN>;<U0BAF> % TAMIL LETTER YA
<U0BB0> <S0BB0>;<BASE>;<MIN>;<U0BB0> % TAMIL LETTER RA
<U0BB1> <S0BB1>;<BASE>;<MIN>;<U0BB1> % TAMIL LETTER RRA
<U0BB2> <S0BB2>;<BASE>;<MIN>;<U0BB2> % TAMIL LETTER LA
<U0BB3> <S0BB3>;<BASE>;<MIN>;<U0BB3> % TAMIL LETTER LLA
<U0BB4> <S0BB4>;<BASE>;<MIN>;<U0BB4> % TAMIL LETTER LLLA
<U0BB5> <S0BB5>;<BASE>;<MIN>;<U0BB5> % TAMIL LETTER VA
<U0BB7> <S0BB7>;<BASE>;<MIN>;<U0BB7> % TAMIL LETTER SSA
<U0BB8> <S0BB8>;<BASE>;<MIN>;<U0BB8> % TAMIL LETTER SA
<U0BB9> <S0BB9>;<BASE>;<MIN>;<U0BB9> % TAMIL LETTER HA

<U0C05> <S0C05>;<BASE>;<MIN>;<U0C05> % TELUGU LETTER A
<U0C06> <S0C06>;<BASE>;<MIN>;<U0C06> % TELUGU LETTER AA
<U0C07> <S0C07>;<BASE>;<MIN>;<U0C07> % TELUGU LETTER I
<U0C08> <S0C08>;<BASE>;<MIN>;<U0C08> % TELUGU LETTER II
<U0C09> <S0C09>;<BASE>;<MIN>;<U0C09> % TELUGU LETTER U
<U0C0A> <S0C0A>;<BASE>;<MIN>;<U0C0A> % TELUGU LETTER UU
<U0C0B> <S0C0B>;<BASE>;<MIN>;<U0C0B> % TELUGU LETTER VOCALIC R
<U0C60> <S0C60>;<BASE>;<MIN>;<U0C60> % TELUGU LETTER VOCALIC RR
<U0C0C> <S0C0C>;<BASE>;<MIN>;<U0C0C> % TELUGU LETTER VOCALIC L
<U0C61> <S0C61>;<BASE>;<MIN>;<U0C61> % TELUGU LETTER VOCALIC LL
<U0C0E> <S0C0E>;<BASE>;<MIN>;<U0C0E> % TELUGU LETTER E
<U0C0F> <S0C0F>;<BASE>;<MIN>;<U0C0F> % TELUGU LETTER EE
<U0C10> <S0C10>;<BASE>;<MIN>;<U0C10> % TELUGU LETTER AI
<U0C12> <S0C12>;<BASE>;<MIN>;<U0C12> % TELUGU LETTER O
<U0C13> <S0C13>;<BASE>;<MIN>;<U0C13> % TELUGU LETTER OO
<U0C14> <S0C14>;<BASE>;<MIN>;<U0C14> % TELUGU LETTER AU
<U0C15> <S0C15>;<BASE>;<MIN>;<U0C15> % TELUGU LETTER KA
<U0C16> <S0C16>;<BASE>;<MIN>;<U0C16> % TELUGU LETTER KHA
<U0C17> <S0C17>;<BASE>;<MIN>;<U0C17> % TELUGU LETTER GA

```

<U0C18> <S0C18>;<BASE>;<MIN>;<U0C18> % TELUGU LETTER GHA
 <U0C19> <S0C19>;<BASE>;<MIN>;<U0C19> % TELUGU LETTER NGA
 <U0C1A> <S0C1A>;<BASE>;<MIN>;<U0C1A> % TELUGU LETTER CA
 <U0C1B> <S0C1B>;<BASE>;<MIN>;<U0C1B> % TELUGU LETTER CHA
 <U0C1C> <S0C1C>;<BASE>;<MIN>;<U0C1C> % TELUGU LETTER JA
 <U0C1D> <S0C1D>;<BASE>;<MIN>;<U0C1D> % TELUGU LETTER JHA
 <U0C1E> <S0C1E>;<BASE>;<MIN>;<U0C1E> % TELUGU LETTER NYA
 <U0C1F> <S0C1F>;<BASE>;<MIN>;<U0C1F> % TELUGU LETTER TTA
 <U0C20> <S0C20>;<BASE>;<MIN>;<U0C20> % TELUGU LETTER TTHA
 <U0C21> <S0C21>;<BASE>;<MIN>;<U0C21> % TELUGU LETTER DDA
 <U0C22> <S0C22>;<BASE>;<MIN>;<U0C22> % TELUGU LETTER DDHA
 <U0C23> <S0C23>;<BASE>;<MIN>;<U0C23> % TELUGU LETTER NNA
 <U0C24> <S0C24>;<BASE>;<MIN>;<U0C24> % TELUGU LETTER TA
 <U0C25> <S0C25>;<BASE>;<MIN>;<U0C25> % TELUGU LETTER THA
 <U0C26> <S0C26>;<BASE>;<MIN>;<U0C26> % TELUGU LETTER DA
 <U0C27> <S0C27>;<BASE>;<MIN>;<U0C27> % TELUGU LETTER DHA
 <U0C28> <S0C28>;<BASE>;<MIN>;<U0C28> % TELUGU LETTER NA
 <U0C2A> <S0C2A>;<BASE>;<MIN>;<U0C2A> % TELUGU LETTER PA
 <U0C2B> <S0C2B>;<BASE>;<MIN>;<U0C2B> % TELUGU LETTER PHA
 <U0C2C> <S0C2C>;<BASE>;<MIN>;<U0C2C> % TELUGU LETTER BA
 <U0C2D> <S0C2D>;<BASE>;<MIN>;<U0C2D> % TELUGU LETTER BHA
 <U0C2E> <S0C2E>;<BASE>;<MIN>;<U0C2E> % TELUGU LETTER MA
 <U0C2F> <S0C2F>;<BASE>;<MIN>;<U0C2F> % TELUGU LETTER YA
 <U0C30> <S0C30>;<BASE>;<MIN>;<U0C30> % TELUGU LETTER RA
 <U0C31> <S0C31>;<BASE>;<MIN>;<U0C31> % TELUGU LETTER RRA
 <U0C32> <S0C32>;<BASE>;<MIN>;<U0C32> % TELUGU LETTER LA
 <U0C33> <S0C33>;<BASE>;<MIN>;<U0C33> % TELUGU LETTER LLA
 <U0C35> <S0C35>;<BASE>;<MIN>;<U0C35> % TELUGU LETTER VA
 <U0C36> <S0C36>;<BASE>;<MIN>;<U0C36> % TELUGU LETTER SHA
 <U0C37> <S0C37>;<BASE>;<MIN>;<U0C37> % TELUGU LETTER SSA
 <U0C38> <S0C38>;<BASE>;<MIN>;<U0C38> % TELUGU LETTER SA
 <U0C39> <S0C39>;<BASE>;<MIN>;<U0C39> % TELUGU LETTER HA

<U0C85> <S0C85>;<BASE>;<MIN>;<U0C85> % KANNADA LETTER A
 <U0C86> <S0C86>;<BASE>;<MIN>;<U0C86> % KANNADA LETTER AA
 <U0C87> <S0C87>;<BASE>;<MIN>;<U0C87> % KANNADA LETTER I
 <U0C88> <S0C88>;<BASE>;<MIN>;<U0C88> % KANNADA LETTER II
 <U0C89> <S0C89>;<BASE>;<MIN>;<U0C89> % KANNADA LETTER U
 <U0C8A> <S0C8A>;<BASE>;<MIN>;<U0C8A> % KANNADA LETTER UU
 <U0C8B> <S0C8B>;<BASE>;<MIN>;<U0C8B> % KANNADA LETTER VOCALIC R
 <U0CE0> <S0CE0>;<BASE>;<MIN>;<U0CE0> % KANNADA LETTER VOCALIC RR
 <U0C8C> <S0C8C>;<BASE>;<MIN>;<U0C8C> % KANNADA LETTER VOCALIC L
 <U0CE1> <S0CE1>;<BASE>;<MIN>;<U0CE1> % KANNADA LETTER VOCALIC LL
 <U0C8E> <S0C8E>;<BASE>;<MIN>;<U0C8E> % KANNADA LETTER E
 <U0C8F> <S0C8F>;<BASE>;<MIN>;<U0C8F> % KANNADA LETTER EE
 <U0C90> <S0C90>;<BASE>;<MIN>;<U0C90> % KANNADA LETTER AI
 <U0C92> <S0C92>;<BASE>;<MIN>;<U0C92> % KANNADA LETTER O
 <U0C93> <S0C93>;<BASE>;<MIN>;<U0C93> % KANNADA LETTER OO
 <U0C94> <S0C94>;<BASE>;<MIN>;<U0C94> % KANNADA LETTER AU
 <U0C95> <S0C95>;<BASE>;<MIN>;<U0C95> % KANNADA LETTER KA
 <U0C96> <S0C96>;<BASE>;<MIN>;<U0C96> % KANNADA LETTER KHA
 <U0C97> <S0C97>;<BASE>;<MIN>;<U0C97> % KANNADA LETTER GA
 <U0C98> <S0C98>;<BASE>;<MIN>;<U0C98> % KANNADA LETTER GHA
 <U0C99> <S0C99>;<BASE>;<MIN>;<U0C99> % KANNADA LETTER NGA
 <U0C9A> <S0C9A>;<BASE>;<MIN>;<U0C9A> % KANNADA LETTER CA
 <U0C9B> <S0C9B>;<BASE>;<MIN>;<U0C9B> % KANNADA LETTER CHA
 <U0C9C> <S0C9C>;<BASE>;<MIN>;<U0C9C> % KANNADA LETTER JA
 <U0C9D> <S0C9D>;<BASE>;<MIN>;<U0C9D> % KANNADA LETTER JHA
 <U0C9E> <S0C9E>;<BASE>;<MIN>;<U0C9E> % KANNADA LETTER NYA
 <U0C9F> <S0C9F>;<BASE>;<MIN>;<U0C9F> % KANNADA LETTER TTA
 <U0CA0> <S0CA0>;<BASE>;<MIN>;<U0CA0> % KANNADA LETTER TTHA
 <U0CA1> <S0CA1>;<BASE>;<MIN>;<U0CA1> % KANNADA LETTER DDA
 <U0CA2> <S0CA2>;<BASE>;<MIN>;<U0CA2> % KANNADA LETTER DDHA
 <U0CA3> <S0CA3>;<BASE>;<MIN>;<U0CA3> % KANNADA LETTER NNA
 <U0CA4> <S0CA4>;<BASE>;<MIN>;<U0CA4> % KANNADA LETTER TA
 <U0CA5> <S0CA5>;<BASE>;<MIN>;<U0CA5> % KANNADA LETTER THA
 <U0CA6> <S0CA6>;<BASE>;<MIN>;<U0CA6> % KANNADA LETTER DA
 <U0CA7> <S0CA7>;<BASE>;<MIN>;<U0CA7> % KANNADA LETTER DHA
 <U0CA8> <S0CA8>;<BASE>;<MIN>;<U0CA8> % KANNADA LETTER NA
 <U0CAA> <S0CAA>;<BASE>;<MIN>;<U0CAA> % KANNADA LETTER PA
 <U0CAB> <S0CAB>;<BASE>;<MIN>;<U0CAB> % KANNADA LETTER PHA
 <U0CAC> <S0CAC>;<BASE>;<MIN>;<U0CAC> % KANNADA LETTER BA
 <U0CAD> <S0CAD>;<BASE>;<MIN>;<U0CAD> % KANNADA LETTER BHA
 <U0CAE> <S0CAE>;<BASE>;<MIN>;<U0CAE> % KANNADA LETTER MA

<U0CAF> <S0CAF>;<BASE>;<MIN>;<U0CAF> % KANNADA LETTER YA
 <U0CB0> <S0CB0>;<BASE>;<MIN>;<U0CB0> % KANNADA LETTER RA
 <U0CB1> <S0CB1>;<BASE>;<MIN>;<U0CB1> % KANNADA LETTER RRA
 <U0CB2> <S0CB2>;<BASE>;<MIN>;<U0CB2> % KANNADA LETTER LA
 <U0CB5> <S0CB5>;<BASE>;<MIN>;<U0CB5> % KANNADA LETTER VA
 <U0CB6> <S0CB6>;<BASE>;<MIN>;<U0CB6> % KANNADA LETTER SHA
 <U0CB7> <S0CB7>;<BASE>;<MIN>;<U0CB7> % KANNADA LETTER SSA
 <U0CB8> <S0CB8>;<BASE>;<MIN>;<U0CB8> % KANNADA LETTER SA
 <U0CB9> <S0CB9>;<BASE>;<MIN>;<U0CB9> % KANNADA LETTER HA
 <U0CB3> <S0CB3>;<BASE>;<MIN>;<U0CB3> % KANNADA LETTER LLA
 <U0CDE> <S0CDE>;<BASE>;<MIN>;<U0CDE> % KANNADA LETTER FA

<U0D05> <S0D05>;<BASE>;<MIN>;<U0D05> % MALAYALAM LETTER A
 <U0D06> <S0D06>;<BASE>;<MIN>;<U0D06> % MALAYALAM LETTER AA
 <U0D07> <S0D07>;<BASE>;<MIN>;<U0D07> % MALAYALAM LETTER I
 <U0D08> <S0D08>;<BASE>;<MIN>;<U0D08> % MALAYALAM LETTER II
 <U0D09> <S0D09>;<BASE>;<MIN>;<U0D09> % MALAYALAM LETTER U
 <U0D0A> <S0D0A>;<BASE>;<MIN>;<U0D0A> % MALAYALAM LETTER UU
 <U0D0B> <S0D0B>;<BASE>;<MIN>;<U0D0B> % MALAYALAM LETTER VOCALIC R
 <U0D60> <S0D60>;<BASE>;<MIN>;<U0D60> % MALAYALAM LETTER VOCALIC RR
 <U0D0C> <S0D0C>;<BASE>;<MIN>;<U0D0C> % MALAYALAM LETTER VOCALIC L
 <U0D61> <S0D61>;<BASE>;<MIN>;<U0D61> % MALAYALAM LETTER VOCALIC LL
 <U0D0E> <S0D0E>;<BASE>;<MIN>;<U0D0E> % MALAYALAM LETTER E
 <U0D0F> <S0D0F>;<BASE>;<MIN>;<U0D0F> % MALAYALAM LETTER EE
 <U0D10> <S0D10>;<BASE>;<MIN>;<U0D10> % MALAYALAM LETTER AI
 <U0D12> <S0D12>;<BASE>;<MIN>;<U0D12> % MALAYALAM LETTER O
 <U0D13> <S0D13>;<BASE>;<MIN>;<U0D13> % MALAYALAM LETTER OO
 <U0D14> <S0D14>;<BASE>;<MIN>;<U0D14> % MALAYALAM LETTER AU
 <U0D15> <S0D15>;<BASE>;<MIN>;<U0D15> % MALAYALAM LETTER KA
 <U0D16> <S0D16>;<BASE>;<MIN>;<U0D16> % MALAYALAM LETTER KHA
 <U0D17> <S0D17>;<BASE>;<MIN>;<U0D17> % MALAYALAM LETTER GA
 <U0D18> <S0D18>;<BASE>;<MIN>;<U0D18> % MALAYALAM LETTER GHA
 <U0D19> <S0D19>;<BASE>;<MIN>;<U0D19> % MALAYALAM LETTER NGA
 <U0D1A> <S0D1A>;<BASE>;<MIN>;<U0D1A> % MALAYALAM LETTER CA
 <U0D1B> <S0D1B>;<BASE>;<MIN>;<U0D1B> % MALAYALAM LETTER CHA
 <U0D1C> <S0D1C>;<BASE>;<MIN>;<U0D1C> % MALAYALAM LETTER JA
 <U0D1D> <S0D1D>;<BASE>;<MIN>;<U0D1D> % MALAYALAM LETTER JHA
 <U0D1E> <S0D1E>;<BASE>;<MIN>;<U0D1E> % MALAYALAM LETTER NYA
 <U0D1F> <S0D1F>;<BASE>;<MIN>;<U0D1F> % MALAYALAM LETTER TTA
 <U0D20> <S0D20>;<BASE>;<MIN>;<U0D20> % MALAYALAM LETTER TTHA
 <U0D21> <S0D21>;<BASE>;<MIN>;<U0D21> % MALAYALAM LETTER DDA
 <U0D22> <S0D22>;<BASE>;<MIN>;<U0D22> % MALAYALAM LETTER DDHA
 <U0D23> <S0D23>;<BASE>;<MIN>;<U0D23> % MALAYALAM LETTER NNA
 <U0D24> <S0D24>;<BASE>;<MIN>;<U0D24> % MALAYALAM LETTER TA
 <U0D25> <S0D25>;<BASE>;<MIN>;<U0D25> % MALAYALAM LETTER THA
 <U0D26> <S0D26>;<BASE>;<MIN>;<U0D26> % MALAYALAM LETTER DA
 <U0D27> <S0D27>;<BASE>;<MIN>;<U0D27> % MALAYALAM LETTER DHA
 <U0D28> <S0D28>;<BASE>;<MIN>;<U0D28> % MALAYALAM LETTER NA
 <U0D2A> <S0D2A>;<BASE>;<MIN>;<U0D2A> % MALAYALAM LETTER PA
 <U0D2B> <S0D2B>;<BASE>;<MIN>;<U0D2B> % MALAYALAM LETTER PHA
 <U0D2C> <S0D2C>;<BASE>;<MIN>;<U0D2C> % MALAYALAM LETTER BA
 <U0D2D> <S0D2D>;<BASE>;<MIN>;<U0D2D> % MALAYALAM LETTER BHA
 <U0D2E> <S0D2E>;<BASE>;<MIN>;<U0D2E> % MALAYALAM LETTER MA
 <U0D2F> <S0D2F>;<BASE>;<MIN>;<U0D2F> % MALAYALAM LETTER YA
 <U0D30> <S0D30>;<BASE>;<MIN>;<U0D30> % MALAYALAM LETTER RA
 <U0D31> <S0D31>;<BASE>;<MIN>;<U0D31> % MALAYALAM LETTER RRA
 <U0D32> <S0D32>;<BASE>;<MIN>;<U0D32> % MALAYALAM LETTER LA
 <U0D33> <S0D33>;<BASE>;<MIN>;<U0D33> % MALAYALAM LETTER LLA
 <U0D34> <S0D34>;<BASE>;<MIN>;<U0D34> % MALAYALAM LETTER LLLA
 <U0D35> <S0D35>;<BASE>;<MIN>;<U0D35> % MALAYALAM LETTER VA
 <U0D36> <S0D36>;<BASE>;<MIN>;<U0D36> % MALAYALAM LETTER SHA
 <U0D37> <S0D37>;<BASE>;<MIN>;<U0D37> % MALAYALAM LETTER SSA
 <U0D38> <S0D38>;<BASE>;<MIN>;<U0D38> % MALAYALAM LETTER SA
 <U0D39> <S0D39>;<BASE>;<MIN>;<U0D39> % MALAYALAM LETTER HA

<U0F40> <S0F40>;<BASE>;<MIN>;<U0F40> % TIBETAN LETTER KA
 <U0F69> "<S0F40><S0FB5>"; "<BASE><BASE>"; "<MIN><MIN>"; <U0F69> % TIBETAN LETTER KSSA
 <U0F41> <S0F41>;<BASE>;<MIN>;<U0F41> % TIBETAN LETTER KHA
 <U0F42> <S0F42>;<BASE>;<MIN>;<U0F42> % TIBETAN LETTER GA
 <U0F43> "<S0F42><S0FB7>"; "<BASE><BASE>"; "<MIN><MIN>"; <U0F43> % TIBETAN LETTER GHA
 <U0F44> <S0F44>;<BASE>;<MIN>;<U0F44> % TIBETAN LETTER NGA
 <U0F45> <S0F45>;<BASE>;<MIN>;<U0F45> % TIBETAN LETTER CA
 <U0F46> <S0F46>;<BASE>;<MIN>;<U0F46> % TIBETAN LETTER CHA

<U0F47> <S0F47>;<BASE>;<MIN>;<U0F47> % TIBETAN LETTER JA
 <U0F49> <S0F49>;<BASE>;<MIN>;<U0F49> % TIBETAN LETTER NYA
 <U0F4A> <S0F4A>;<BASE>;<MIN>;<U0F4A> % TIBETAN LETTER TTA
 <U0F4B> <S0F4B>;<BASE>;<MIN>;<U0F4B> % TIBETAN LETTER TTHA
 <U0F4C> <S0F4C>;<BASE>;<MIN>;<U0F4C> % TIBETAN LETTER DDA
 <U0F4D> "<S0F4C><S0FB7>"; "<BASE><BASE>"; "<MIN><MIN>"; "<U0F4D> % TIBETAN LETTER DDHA
 <U0F4E> <S0F4E>;<BASE>;<MIN>;<U0F4E> % TIBETAN LETTER NNA
 <U0F4F> <S0F4F>;<BASE>;<MIN>;<U0F4F> % TIBETAN LETTER TA
 <U0F50> <S0F50>;<BASE>;<MIN>;<U0F50> % TIBETAN LETTER THA
 <U0F51> <S0F51>;<BASE>;<MIN>;<U0F51> % TIBETAN LETTER DA
 <U0F52> "<S0F51><S0FB7>"; "<BASE><BASE>"; "<MIN><MIN>"; "<U0F52> % TIBETAN LETTER DHA
 <U0F53> <S0F53>;<BASE>;<MIN>;<U0F53> % TIBETAN LETTER NA
 <U0F54> <S0F54>;<BASE>;<MIN>;<U0F54> % TIBETAN LETTER PA
 <U0F55> <S0F55>;<BASE>;<MIN>;<U0F55> % TIBETAN LETTER PHA
 <U0F56> <S0F56>;<BASE>;<MIN>;<U0F56> % TIBETAN LETTER BA
 <U0F57> "<S0F56><S0FB7>"; "<BASE><BASE>"; "<MIN><MIN>"; "<U0F57> % TIBETAN LETTER BHA
 <U0F58> <S0F58>;<BASE>;<MIN>;<U0F58> % TIBETAN LETTER MA
 <U0F59> <S0F59>;<BASE>;<MIN>;<U0F59> % TIBETAN LETTER TSA
 <U0F5A> <S0F5A>;<BASE>;<MIN>;<U0F5A> % TIBETAN LETTER TSHA
 <U0F5B> <S0F5B>;<BASE>;<MIN>;<U0F5B> % TIBETAN LETTER DZA
 <U0F5C> "<S0F5B><S0FB7>"; "<BASE><BASE>"; "<MIN><MIN>"; "<U0F5C> % TIBETAN LETTER DZHA
 <U0F5D> <S0F5D>;<BASE>;<MIN>;<U0F5D> % TIBETAN LETTER WA
 <U0F5E> <S0F5E>;<BASE>;<MIN>;<U0F5E> % TIBETAN LETTER ZHA
 <U0F5F> <S0F5F>;<BASE>;<MIN>;<U0F5F> % TIBETAN LETTER ZA
 <U0F60> <S0F60>;<BASE>;<MIN>;<U0F60> % TIBETAN LETTER -A
 <U0F61> <S0F61>;<BASE>;<MIN>;<U0F61> % TIBETAN LETTER YA
 <U0F62> <S0F62>;<BASE>;<MIN>;<U0F62> % TIBETAN LETTER RA
 <U0F6A> <S0F62>;<BASE><VRNT2>; "<COMPAT><COMPAT>"; "<U0F6A> % TIBETAN LETTER FIXED-FORM RA
 <U0F63> <S0F63>;<BASE>;<MIN>;<U0F63> % TIBETAN LETTER LA
 <U0F64> <S0F64>;<BASE>;<MIN>;<U0F64> % TIBETAN LETTER SHA
 <U0F65> <S0F65>;<BASE>;<MIN>;<U0F65> % TIBETAN LETTER SSA
 <U0F66> <S0F66>;<BASE>;<MIN>;<U0F66> % TIBETAN LETTER SA
 <U0F67> <S0F67>;<BASE>;<MIN>;<U0F67> % TIBETAN LETTER HA
 <U0F68> <S0F68>;<BASE>;<MIN>;<U0F68> % TIBETAN LETTER A
 <U0F00> "<S0F68><S0F7C>"; "<BASE><BASE><D0F7E>"; "<COMPAT><COMPAT><MAX>"; "<U0F00> % TIBETAN SYLLABLE
 OM

%% should these signs really be significant at level 1?

<U0F88> <S0F88>;<BASE>;<MIN>;<U0F88> % TIBETAN SIGN LCE TSA CAN
 <U0F89> <S0F89>;<BASE>;<MIN>;<U0F89> % TIBETAN SIGN MCHU CAN
 <U0F8A> <S0F8A>;<BASE>;<MIN>;<U0F8A> % TIBETAN SIGN GRU CAN RGYINGS
 <U0F8B> <S0F8B>;<BASE>;<MIN>;<U0F8B> % TIBETAN SIGN GRU MED RGYINGS

<U0D85> <S0D85>;<BASE>;<MIN>;<U0D85> % SINHALA LETTER AYANNA
 <U0D86> <S0D86>;<BASE>;<MIN>;<U0D86> % SINHALA LETTER AAYANNA
 <U0D87> <S0D87>;<BASE>;<MIN>;<U0D87> % SINHALA LETTER AEYANNA
 <U0D88> <S0D88>;<BASE>;<MIN>;<U0D88> % SINHALA LETTER AEEYANNA
 <U0D89> <S0D89>;<BASE>;<MIN>;<U0D89> % SINHALA LETTER IYANNA
 <U0D8A> <S0D8A>;<BASE>;<MIN>;<U0D8A> % SINHALA LETTER IYANNA
 <U0D8B> <S0D8B>;<BASE>;<MIN>;<U0D8B> % SINHALA LETTER UYANNA
 <U0D8C> <S0D8C>;<BASE>;<MIN>;<U0D8C> % SINHALA LETTER UUYANNA
 <U0D8D> <S0D8D>;<BASE>;<MIN>;<U0D8D> % SINHALA LETTER IRUYANNA
 <U0D8E> <S0D8E>;<BASE>;<MIN>;<U0D8E> % SINHALA LETTER IRUYANNA
 <U0D8F> <S0D8F>;<BASE>;<MIN>;<U0D8F> % SINHALA LETTER ILUYANNA
 <U0D90> <S0D90>;<BASE>;<MIN>;<U0D90> % SINHALA LETTER ILUYANNA
 <U0D91> <S0D91>;<BASE>;<MIN>;<U0D91> % SINHALA LETTER EYANNA
 <U0D92> <S0D92>;<BASE>;<MIN>;<U0D92> % SINHALA LETTER EYANNA
 <U0D93> <S0D93>;<BASE>;<MIN>;<U0D93> % SINHALA LETTER AIYANNA
 <U0D94> <S0D94>;<BASE>;<MIN>;<U0D94> % SINHALA LETTER OYANNA
 <U0D95> <S0D95>;<BASE>;<MIN>;<U0D95> % SINHALA LETTER OYANNA
 <U0D96> <S0D96>;<BASE>;<MIN>;<U0D96> % SINHALA LETTER AUAYANNA
 <U0D9A> <S0D9A>;<BASE>;<MIN>;<U0D9A> % SINHALA LETTER ALPAPRAANA KAYANNA
 <U0D9B> <S0D9B>;<BASE>;<MIN>;<U0D9B> % SINHALA LETTER MAHAAPRAANA KAYANNA
 <U0D9C> <S0D9C>;<BASE>;<MIN>;<U0D9C> % SINHALA LETTER ALPAPRAANA GAYANNA
 <U0D9D> <S0D9D>;<BASE>;<MIN>;<U0D9D> % SINHALA LETTER MAHAAPRAANA GAYANNA
 <U0D9E> <S0D9E>;<BASE>;<MIN>;<U0D9E> % SINHALA LETTER KANTAJA NAASIKYAYA
 <U0D9F> <S0D9F>;<BASE>;<MIN>;<U0D9F> % SINHALA LETTER SANYAKA GAYANNA
 <U0DA0> <S0DA0>;<BASE>;<MIN>;<U0DA0> % SINHALA LETTER ALPAPRAANA CAYANNA
 <U0DA1> <S0DA1>;<BASE>;<MIN>;<U0DA1> % SINHALA LETTER MAHAAPRAANA CAYANNA
 <U0DA2> <S0DA2>;<BASE>;<MIN>;<U0DA2> % SINHALA LETTER ALPAPRAANA JAYANNA
 <U0DA3> <S0DA3>;<BASE>;<MIN>;<U0DA3> % SINHALA LETTER MAHAAPRAANA JAYANNA
 <U0DA4> <S0DA4>;<BASE>;<MIN>;<U0DA4> % SINHALA LETTER TAALUJA NAASIKYAYA
 <U0DA5> <S0DA5>;<BASE>;<MIN>;<U0DA5> % SINHALA LETTER TAALUJA SANYOOGA NAAKSIKYAYA

<U0DA6> <S0DA6>;<BASE>;<MIN>;<U0DA6> % SINHALA LETTER SANYAKA JAYANNA
 <U0DA7> <S0DA7>;<BASE>;<MIN>;<U0DA7> % SINHALA LETTER ALPAPRAANA TTAYANNA
 <U0DA8> <S0DA8>;<BASE>;<MIN>;<U0DA8> % SINHALA LETTER MAHAAPRAANA TTAYANNA
 <U0DA9> <S0DA9>;<BASE>;<MIN>;<U0DA9> % SINHALA LETTER ALPAPRAANA DDAYANNA
 <U0DAA> <S0DAA>;<BASE>;<MIN>;<U0DAA> % SINHALA LETTER MAHAAPRAANA DDAYANNA
 <U0DAB> <S0DAB>;<BASE>;<MIN>;<U0DAB> % SINHALA LETTER MUURDHAJA NAYANNA
 <U0DAC> <S0DAC>;<BASE>;<MIN>;<U0DAC> % SINHALA LETTER SANYAKA DDAYANNA
 <U0DAD> <S0DAD>;<BASE>;<MIN>;<U0DAD> % SINHALA LETTER ALPAPRAANA TAYANNA
 <U0DAE> <S0DAE>;<BASE>;<MIN>;<U0DAE> % SINHALA LETTER MAHAAPRAANA TAYANNA
 <U0DAF> <S0DAF>;<BASE>;<MIN>;<U0DAF> % SINHALA LETTER ALPAPRAANA DAYANNA
 <U0DB0> <S0DB0>;<BASE>;<MIN>;<U0DB0> % SINHALA LETTER MAHAAPRAANA DAYANNA
 <U0DB1> <S0DB1>;<BASE>;<MIN>;<U0DB1> % SINHALA LETTER DANTAJA NAYANNA
 <U0DB3> <S0DB3>;<BASE>;<MIN>;<U0DB3> % SINHALA LETTER SANYAKA DAYANNA
 <U0DB4> <S0DB4>;<BASE>;<MIN>;<U0DB4> % SINHALA LETTER ALPAPRAANA PAYANNA
 <U0DB5> <S0DB5>;<BASE>;<MIN>;<U0DB5> % SINHALA LETTER MAHAAPRAANA PAYANNA
 <U0DB6> <S0DB6>;<BASE>;<MIN>;<U0DB6> % SINHALA LETTER ALPAPRAANA BAYANNA
 <U0DB7> <S0DB7>;<BASE>;<MIN>;<U0DB7> % SINHALA LETTER MAHAAPRAANA BAYANNA
 <U0DB8> <S0DB8>;<BASE>;<MIN>;<U0DB8> % SINHALA LETTER MAYANNA
 <U0DB9> <S0DB9>;<BASE>;<MIN>;<U0DB9> % SINHALA LETTER AMBA BAYANNA
 <U0DBA> <S0DBA>;<BASE>;<MIN>;<U0DBA> % SINHALA LETTER YAYANNA
 <U0DBB> <S0DBB>;<BASE>;<MIN>;<U0DBB> % SINHALA LETTER RAYANNA
 <U0DBD> <S0DBD>;<BASE>;<MIN>;<U0DBD> % SINHALA LETTER DANTAJA LAYANNA
 <U0DC0> <S0DC0>;<BASE>;<MIN>;<U0DC0> % SINHALA LETTER VAYANNA
 <U0DC1> <S0DC1>;<BASE>;<MIN>;<U0DC1> % SINHALA LETTER TAALUJA SAYANNA
 <U0DC2> <S0DC2>;<BASE>;<MIN>;<U0DC2> % SINHALA LETTER MUURDHAJA SAYANNA
 <U0DC3> <S0DC3>;<BASE>;<MIN>;<U0DC3> % SINHALA LETTER DANTAJA SAYANNA
 <U0DC4> <S0DC4>;<BASE>;<MIN>;<U0DC4> % SINHALA LETTER HAYANNA
 <U0DC5> <S0DC5>;<BASE>;<MIN>;<U0DC5> % SINHALA LETTER MUURDHAJA LAYANNA
 <U0DC6> <S0DC6>;<BASE>;<MIN>;<U0DC6> % SINHALA LETTER FAYANNA
 <U0DCA> <S0DCA>;<BASE>;<MIN>;<U0DCA> % SINHALA SIGN AL-LAKUNA

<U1000> <S1000>;<BASE>;<MIN>;<U1000> % MYANMAR LETTER KA
 <U1001> <S1001>;<BASE>;<MIN>;<U1001> % MYANMAR LETTER KHA
 <U1002> <S1002>;<BASE>;<MIN>;<U1002> % MYANMAR LETTER GA
 <U1003> <S1003>;<BASE>;<MIN>;<U1003> % MYANMAR LETTER GHA
 <U1004> <S1004>;<BASE>;<MIN>;<U1004> % MYANMAR LETTER NGA
 <U1005> <S1005>;<BASE>;<MIN>;<U1005> % MYANMAR LETTER CA
 <U1006> <S1006>;<BASE>;<MIN>;<U1006> % MYANMAR LETTER CHA
 <U1007> <S1007>;<BASE>;<MIN>;<U1007> % MYANMAR LETTER JA
 <U1008> <S1008>;<BASE>;<MIN>;<U1008> % MYANMAR LETTER JHA
 <U1009> <S1009>;<BASE>;<MIN>;<U1009> % MYANMAR LETTER NYA
 <U100A> <S100A>;<BASE>;<MIN>;<U100A> % MYANMAR LETTER NNYA
 <U100B> <S100B>;<BASE>;<MIN>;<U100B> % MYANMAR LETTER TTA
 <U100C> <S100C>;<BASE>;<MIN>;<U100C> % MYANMAR LETTER TTHA
 <U100D> <S100D>;<BASE>;<MIN>;<U100D> % MYANMAR LETTER DDA
 <U100E> <S100E>;<BASE>;<MIN>;<U100E> % MYANMAR LETTER DDHA
 <U100F> <S100F>;<BASE>;<MIN>;<U100F> % MYANMAR LETTER NNA
 <U1010> <S1010>;<BASE>;<MIN>;<U1010> % MYANMAR LETTER TA
 <U1011> <S1011>;<BASE>;<MIN>;<U1011> % MYANMAR LETTER THA
 <U1012> <S1012>;<BASE>;<MIN>;<U1012> % MYANMAR LETTER DA
 <U1013> <S1013>;<BASE>;<MIN>;<U1013> % MYANMAR LETTER DHA
 <U1014> <S1014>;<BASE>;<MIN>;<U1014> % MYANMAR LETTER NA
 <U1015> <S1015>;<BASE>;<MIN>;<U1015> % MYANMAR LETTER PA
 <U1016> <S1016>;<BASE>;<MIN>;<U1016> % MYANMAR LETTER PHA
 <U1017> <S1017>;<BASE>;<MIN>;<U1017> % MYANMAR LETTER BA
 <U1018> <S1018>;<BASE>;<MIN>;<U1018> % MYANMAR LETTER BHA
 <U1019> <S1019>;<BASE>;<MIN>;<U1019> % MYANMAR LETTER MA
 <U101A> <S101A>;<BASE>;<MIN>;<U101A> % MYANMAR LETTER YA
 <U101B> <S101B>;<BASE>;<MIN>;<U101B> % MYANMAR LETTER RA
 <U101C> <S101C>;<BASE>;<MIN>;<U101C> % MYANMAR LETTER LA
 <U101D> <S101D>;<BASE>;<MIN>;<U101D> % MYANMAR LETTER WA
 <U1050> <S1050>;<BASE>;<MIN>;<U1050> % MYANMAR LETTER SHA
 <U1051> <S1051>;<BASE>;<MIN>;<U1051> % MYANMAR LETTER SSA
 <U101E> <S101E>;<BASE>;<MIN>;<U101E> % MYANMAR LETTER SA
 <U101F> <S101F>;<BASE>;<MIN>;<U101F> % MYANMAR LETTER HA
 <U1020> <S1020>;<BASE>;<MIN>;<U1020> % MYANMAR LETTER LLA
 <U1021> <S1021>;<BASE>;<MIN>;<U1021> % MYANMAR LETTER A
 <U1023> <S1023>;<BASE>;<MIN>;<U1023> % MYANMAR LETTER I
 <U1024> <S1024>;<BASE>;<MIN>;<U1024> % MYANMAR LETTER II
 <U1025> <S1025>;<BASE>;<MIN>;<U1025> % MYANMAR LETTER U
 <U1026> <S1026>;<BASE>;<MIN>;<U1026> % MYANMAR LETTER UU
 <U1025_102E> <S1026>;<BASE>;<MIN>;<U1026> % MYANMAR LETTER UU
 <U1027> <S1027>;<BASE>;<MIN>;<U1027> % MYANMAR LETTER E
 <U1029> <S1029>;<BASE>;<MIN>;<U1029> % MYANMAR LETTER O

<U102A> <S102A>;<BASE>;<MIN>;<U102A> % MYANMAR LETTER AU
 <U1052> <S1052>;<BASE>;<MIN>;<U1052> % MYANMAR LETTER VOCALIC R
 <U1053> <S1053>;<BASE>;<MIN>;<U1053> % MYANMAR LETTER VOCALIC RR
 <U1054> <S1054>;<BASE>;<MIN>;<U1054> % MYANMAR LETTER VOCALIC L
 <U1055> <S1055>;<BASE>;<MIN>;<U1055> % MYANMAR LETTER VOCALIC LL

<U1700> <S1700>;<BASE>;<MIN>;<U1700> % TAGALOG LETTER A
 <U1701> <S1701>;<BASE>;<MIN>;<U1701> % TAGALOG LETTER I
 <U1702> <S1702>;<BASE>;<MIN>;<U1702> % TAGALOG LETTER U
 <U1703> <S1703>;<BASE>;<MIN>;<U1703> % TAGALOG LETTER KA
 <U1704> <S1704>;<BASE>;<MIN>;<U1704> % TAGALOG LETTER GA
 <U1705> <S1705>;<BASE>;<MIN>;<U1705> % TAGALOG LETTER NGA
 <U1706> <S1706>;<BASE>;<MIN>;<U1706> % TAGALOG LETTER TA
 <U1707> <S1707>;<BASE>;<MIN>;<U1707> % TAGALOG LETTER DA
 <U1708> <S1708>;<BASE>;<MIN>;<U1708> % TAGALOG LETTER NA
 <U1709> <S1709>;<BASE>;<MIN>;<U1709> % TAGALOG LETTER PA
 <U170A> <S170A>;<BASE>;<MIN>;<U170A> % TAGALOG LETTER BA
 <U170B> <S170B>;<BASE>;<MIN>;<U170B> % TAGALOG LETTER MA
 <U170C> <S170C>;<BASE>;<MIN>;<U170C> % TAGALOG LETTER YA
 <U170E> <S170E>;<BASE>;<MIN>;<U170E> % TAGALOG LETTER LA
 <U170F> <S170F>;<BASE>;<MIN>;<U170F> % TAGALOG LETTER WA
 <U1710> <S1710>;<BASE>;<MIN>;<U1710> % TAGALOG LETTER SA
 <U1711> <S1711>;<BASE>;<MIN>;<U1711> % TAGALOG LETTER HA

<U1720> <S1720>;<BASE>;<MIN>;<U1720> % HANUNOO LETTER A
 <U1721> <S1721>;<BASE>;<MIN>;<U1721> % HANUNOO LETTER I
 <U1722> <S1722>;<BASE>;<MIN>;<U1722> % HANUNOO LETTER U
 <U1723> <S1723>;<BASE>;<MIN>;<U1723> % HANUNOO LETTER KA
 <U1724> <S1724>;<BASE>;<MIN>;<U1724> % HANUNOO LETTER GA
 <U1725> <S1725>;<BASE>;<MIN>;<U1725> % HANUNOO LETTER NGA
 <U1726> <S1726>;<BASE>;<MIN>;<U1726> % HANUNOO LETTER TA
 <U1727> <S1727>;<BASE>;<MIN>;<U1727> % HANUNOO LETTER DA
 <U1728> <S1728>;<BASE>;<MIN>;<U1728> % HANUNOO LETTER NA
 <U1729> <S1729>;<BASE>;<MIN>;<U1729> % HANUNOO LETTER PA
 <U172A> <S172A>;<BASE>;<MIN>;<U172A> % HANUNOO LETTER BA
 <U172B> <S172B>;<BASE>;<MIN>;<U172B> % HANUNOO LETTER MA
 <U172C> <S172C>;<BASE>;<MIN>;<U172C> % HANUNOO LETTER YA
 <U172D> <S172D>;<BASE>;<MIN>;<U172D> % HANUNOO LETTER RA
 <U172E> <S172E>;<BASE>;<MIN>;<U172E> % HANUNOO LETTER LA
 <U172F> <S172F>;<BASE>;<MIN>;<U172F> % HANUNOO LETTER WA
 <U1730> <S1730>;<BASE>;<MIN>;<U1730> % HANUNOO LETTER SA
 <U1731> <S1731>;<BASE>;<MIN>;<U1731> % HANUNOO LETTER HA

<U1740> <S1740>;<BASE>;<MIN>;<U1740> % BUHID LETTER A
 <U1741> <S1741>;<BASE>;<MIN>;<U1741> % BUHID LETTER I
 <U1742> <S1742>;<BASE>;<MIN>;<U1742> % BUHID LETTER U
 <U1743> <S1743>;<BASE>;<MIN>;<U1743> % BUHID LETTER KA
 <U1744> <S1744>;<BASE>;<MIN>;<U1744> % BUHID LETTER GA
 <U1745> <S1745>;<BASE>;<MIN>;<U1745> % BUHID LETTER NGA
 <U1746> <S1746>;<BASE>;<MIN>;<U1746> % BUHID LETTER TA
 <U1747> <S1747>;<BASE>;<MIN>;<U1747> % BUHID LETTER DA
 <U1748> <S1748>;<BASE>;<MIN>;<U1748> % BUHID LETTER NA
 <U1749> <S1749>;<BASE>;<MIN>;<U1749> % BUHID LETTER PA
 <U174A> <S174A>;<BASE>;<MIN>;<U174A> % BUHID LETTER BA
 <U174B> <S174B>;<BASE>;<MIN>;<U174B> % BUHID LETTER MA
 <U174C> <S174C>;<BASE>;<MIN>;<U174C> % BUHID LETTER YA
 <U174D> <S174D>;<BASE>;<MIN>;<U174D> % BUHID LETTER RA
 <U174E> <S174E>;<BASE>;<MIN>;<U174E> % BUHID LETTER LA
 <U174F> <S174F>;<BASE>;<MIN>;<U174F> % BUHID LETTER WA
 <U1750> <S1750>;<BASE>;<MIN>;<U1750> % BUHID LETTER SA
 <U1751> <S1751>;<BASE>;<MIN>;<U1751> % BUHID LETTER HA

<U1760> <S1760>;<BASE>;<MIN>;<U1760> % TAGBANWA LETTER A
 <U1761> <S1761>;<BASE>;<MIN>;<U1761> % TAGBANWA LETTER I
 <U1762> <S1762>;<BASE>;<MIN>;<U1762> % TAGBANWA LETTER U
 <U1763> <S1763>;<BASE>;<MIN>;<U1763> % TAGBANWA LETTER KA
 <U1764> <S1764>;<BASE>;<MIN>;<U1764> % TAGBANWA LETTER GA
 <U1765> <S1765>;<BASE>;<MIN>;<U1765> % TAGBANWA LETTER NGA
 <U1766> <S1766>;<BASE>;<MIN>;<U1766> % TAGBANWA LETTER TA
 <U1767> <S1767>;<BASE>;<MIN>;<U1767> % TAGBANWA LETTER DA

```

<U1768> <S1768>;<BASE>;<MIN>;<U1768> % TAGBANWA LETTER NA
<U1769> <S1769>;<BASE>;<MIN>;<U1769> % TAGBANWA LETTER PA
<U176A> <S176A>;<BASE>;<MIN>;<U176A> % TAGBANWA LETTER BA
<U176B> <S176B>;<BASE>;<MIN>;<U176B> % TAGBANWA LETTER MA
<U176C> <S176C>;<BASE>;<MIN>;<U176C> % TAGBANWA LETTER YA
<U176E> <S176E>;<BASE>;<MIN>;<U176E> % TAGBANWA LETTER LA
<U176F> <S176F>;<BASE>;<MIN>;<U176F> % TAGBANWA LETTER WA
<U1770> <S1770>;<BASE>;<MIN>;<U1770> % TAGBANWA LETTER SA

<U1900> <S1900>;<BASE>;<MIN>;<U1900> % LIMBU VOWEL-CARRIER LETTER
<U1901> <S1901>;<BASE>;<MIN>;<U1901> % LIMBU LETTER KA
<U1902> <S1902>;<BASE>;<MIN>;<U1902> % LIMBU LETTER KHA
<U1903> <S1903>;<BASE>;<MIN>;<U1903> % LIMBU LETTER GA
<U1904> <S1904>;<BASE>;<MIN>;<U1904> % LIMBU LETTER GHA
<U1905> <S1905>;<BASE>;<MIN>;<U1905> % LIMBU LETTER NGA
<U1906> <S1906>;<BASE>;<MIN>;<U1906> % LIMBU LETTER CA
<U1907> <S1907>;<BASE>;<MIN>;<U1907> % LIMBU LETTER CHA
<U1908> <S1908>;<BASE>;<MIN>;<U1908> % LIMBU LETTER JA
<U1909> <S1909>;<BASE>;<MIN>;<U1909> % LIMBU LETTER JHA
<U190A> <S190A>;<BASE>;<MIN>;<U190A> % LIMBU LETTER YAN
<U190B> <S190B>;<BASE>;<MIN>;<U190B> % LIMBU LETTER TA
<U190C> <S190C>;<BASE>;<MIN>;<U190C> % LIMBU LETTER THA
<U190D> <S190D>;<BASE>;<MIN>;<U190D> % LIMBU LETTER DA
<U190E> <S190E>;<BASE>;<MIN>;<U190E> % LIMBU LETTER DHA
<U190F> <S190F>;<BASE>;<MIN>;<U190F> % LIMBU LETTER NA
<U1910> <S1910>;<BASE>;<MIN>;<U1910> % LIMBU LETTER PA
<U1911> <S1911>;<BASE>;<MIN>;<U1911> % LIMBU LETTER PHA
<U1912> <S1912>;<BASE>;<MIN>;<U1912> % LIMBU LETTER BA
<U1913> <S1913>;<BASE>;<MIN>;<U1913> % LIMBU LETTER BHA
<U1914> <S1914>;<BASE>;<MIN>;<U1914> % LIMBU LETTER MA
<U1915> <S1915>;<BASE>;<MIN>;<U1915> % LIMBU LETTER YA
<U1916> <S1916>;<BASE>;<MIN>;<U1916> % LIMBU LETTER RA
<U1917> <S1917>;<BASE>;<MIN>;<U1917> % LIMBU LETTER LA
<U1918> <S1918>;<BASE>;<MIN>;<U1918> % LIMBU LETTER WA
<U1919> <S1919>;<BASE>;<MIN>;<U1919> % LIMBU LETTER SHA
<U191A> <S191A>;<BASE>;<MIN>;<U191A> % LIMBU LETTER SSA
<U191B> <S191B>;<BASE>;<MIN>;<U191B> % LIMBU LETTER SA
<U191C> <S191C>;<BASE>;<MIN>;<U191C> % LIMBU LETTER HA

<U1950> <S1950>;<BASE>;<MIN>;<U1950> % TAI LE LETTER KA
<U1951> <S1951>;<BASE>;<MIN>;<U1951> % TAI LE LETTER XA
<U1952> <S1952>;<BASE>;<MIN>;<U1952> % TAI LE LETTER NGA
<U1953> <S1953>;<BASE>;<MIN>;<U1953> % TAI LE LETTER TSA
<U1954> <S1954>;<BASE>;<MIN>;<U1954> % TAI LE LETTER SA
<U1955> <S1955>;<BASE>;<MIN>;<U1955> % TAI LE LETTER YA
<U1956> <S1956>;<BASE>;<MIN>;<U1956> % TAI LE LETTER TA
<U1957> <S1957>;<BASE>;<MIN>;<U1957> % TAI LE LETTER THA
<U1958> <S1958>;<BASE>;<MIN>;<U1958> % TAI LE LETTER LA
<U1959> <S1959>;<BASE>;<MIN>;<U1959> % TAI LE LETTER PA
<U195A> <S195A>;<BASE>;<MIN>;<U195A> % TAI LE LETTER PHA
<U195B> <S195B>;<BASE>;<MIN>;<U195B> % TAI LE LETTER MA
<U195C> <S195C>;<BASE>;<MIN>;<U195C> % TAI LE LETTER FA
<U195D> <S195D>;<BASE>;<MIN>;<U195D> % TAI LE LETTER VA
<U195E> <S195E>;<BASE>;<MIN>;<U195E> % TAI LE LETTER HA
<U195F> <S195F>;<BASE>;<MIN>;<U195F> % TAI LE LETTER QA
<U1960> <S1960>;<BASE>;<MIN>;<U1960> % TAI LE LETTER KHA
<U1961> <S1961>;<BASE>;<MIN>;<U1961> % TAI LE LETTER TSHA
<U1962> <S1962>;<BASE>;<MIN>;<U1962> % TAI LE LETTER NA

```

%%
%%
%%
%%
%%
%%
%%
%%

%%-----and then, after all scripts-----

%% This move, to after all scripts, is the main point of this suggestion

<U093E> <S093E>;<BASE>;<MIN>;<U093E> % DEVANAGARI VOWEL SIGN AA
<U093F> <S093F>;<BASE>;<MIN>;<U093F> % DEVANAGARI VOWEL SIGN I
<U0940> <S0940>;<BASE>;<MIN>;<U0940> % DEVANAGARI VOWEL SIGN II
<U0941> <S0941>;<BASE>;<MIN>;<U0941> % DEVANAGARI VOWEL SIGN U
<U0942> <S0942>;<BASE>;<MIN>;<U0942> % DEVANAGARI VOWEL SIGN UU
<U0943> <S0943>;<BASE>;<MIN>;<U0943> % DEVANAGARI VOWEL SIGN VOCALIC R
<U0944> <S0944>;<BASE>;<MIN>;<U0944> % DEVANAGARI VOWEL SIGN VOCALIC RR
<U0962> <S0962>;<BASE>;<MIN>;<U0962> % DEVANAGARI VOWEL SIGN VOCALIC L
<U0963> <S0963>;<BASE>;<MIN>;<U0963> % DEVANAGARI VOWEL SIGN VOCALIC LL
<U0945> <S0945>;<BASE>;<MIN>;<U0945> % DEVANAGARI VOWEL SIGN CANDRA E
<U0946> <S0946>;<BASE>;<MIN>;<U0946> % DEVANAGARI VOWEL SIGN SHORT E
<U0947> <S0947>;<BASE>;<MIN>;<U0947> % DEVANAGARI VOWEL SIGN E
<U0948> <S0948>;<BASE>;<MIN>;<U0948> % DEVANAGARI VOWEL SIGN AI
<U0949> <S0949>;<BASE>;<MIN>;<U0949> % DEVANAGARI VOWEL SIGN CANDRA O
<U094A> <S094A>;<BASE>;<MIN>;<U094A> % DEVANAGARI VOWEL SIGN SHORT O
<U094B> <S094B>;<BASE>;<MIN>;<U094B> % DEVANAGARI VOWEL SIGN O
<U094C> <S094C>;<BASE>;<MIN>;<U094C> % DEVANAGARI VOWEL SIGN AU

<U09BE> <S09BE>;<BASE>;<MIN>;<U09BE> % BENGALI VOWEL SIGN AA
<U09BF> <S09BF>;<BASE>;<MIN>;<U09BF> % BENGALI VOWEL SIGN I
<U09C0> <S09C0>;<BASE>;<MIN>;<U09C0> % BENGALI VOWEL SIGN II
<U09C1> <S09C1>;<BASE>;<MIN>;<U09C1> % BENGALI VOWEL SIGN U
<U09C2> <S09C2>;<BASE>;<MIN>;<U09C2> % BENGALI VOWEL SIGN UU
<U09C3> <S09C3>;<BASE>;<MIN>;<U09C3> % BENGALI VOWEL SIGN VOCALIC R
<U09C4> <S09C4>;<BASE>;<MIN>;<U09C4> % BENGALI VOWEL SIGN VOCALIC RR
<U09E2> <S09E2>;<BASE>;<MIN>;<U09E2> % BENGALI VOWEL SIGN VOCALIC L
<U09E3> <S09E3>;<BASE>;<MIN>;<U09E3> % BENGALI VOWEL SIGN VOCALIC LL
<U09C7> <S09C7>;<BASE>;<MIN>;<U09C7> % BENGALI VOWEL SIGN E
<U09C8> <S09C8>;<BASE>;<MIN>;<U09C8> % BENGALI VOWEL SIGN AI
<U09CB> <S09CB>;<BASE>;<MIN>;<U09CB> % BENGALI VOWEL SIGN O
<U09C7_09BE> <S09CB>;<BASE>;<MIN>;<U09CB> % BENGALI VOWEL SIGN O
<U09CC> <S09CC>;<BASE>;<MIN>;<U09CC> % BENGALI VOWEL SIGN AU
<U09C7_09D7> <S09CC>;<BASE>;<MIN>;<U09CC> % BENGALI VOWEL SIGN AU

<U0A3E> <S0A3E>;<BASE>;<MIN>;<U0A3E> % GURMUKHI VOWEL SIGN AA
<U0A3F> <S0A3F>;<BASE>;<MIN>;<U0A3F> % GURMUKHI VOWEL SIGN I
<U0A40> <S0A40>;<BASE>;<MIN>;<U0A40> % GURMUKHI VOWEL SIGN II
<U0A41> <S0A41>;<BASE>;<MIN>;<U0A41> % GURMUKHI VOWEL SIGN U
<U0A42> <S0A42>;<BASE>;<MIN>;<U0A42> % GURMUKHI VOWEL SIGN UU
<U0A47> <S0A47>;<BASE>;<MIN>;<U0A47> % GURMUKHI VOWEL SIGN EE
<U0A48> <S0A48>;<BASE>;<MIN>;<U0A48> % GURMUKHI VOWEL SIGN AI
<U0A4B> <S0A4B>;<BASE>;<MIN>;<U0A4B> % GURMUKHI VOWEL SIGN OO
<U0A4C> <S0A4C>;<BASE>;<MIN>;<U0A4C> % GURMUKHI VOWEL SIGN AU

<U0ABE> <S0ABE>;<BASE>;<MIN>;<U0ABE> % GUJARATI VOWEL SIGN AA
<U0ABF> <S0ABF>;<BASE>;<MIN>;<U0ABF> % GUJARATI VOWEL SIGN I
<U0AC0> <S0AC0>;<BASE>;<MIN>;<U0AC0> % GUJARATI VOWEL SIGN II
<U0AC1> <S0AC1>;<BASE>;<MIN>;<U0AC1> % GUJARATI VOWEL SIGN U
<U0AC2> <S0AC2>;<BASE>;<MIN>;<U0AC2> % GUJARATI VOWEL SIGN UU
<U0AC3> <S0AC3>;<BASE>;<MIN>;<U0AC3> % GUJARATI VOWEL SIGN VOCALIC R
<U0AC4> <S0AC4>;<BASE>;<MIN>;<U0AC4> % GUJARATI VOWEL SIGN VOCALIC RR
<U0AE2> <S0AE2>;<BASE>;<MIN>;<U0AE2> % GUJARATI VOWEL SIGN VOCALIC L
<U0AE3> <S0AE3>;<BASE>;<MIN>;<U0AE3> % GUJARATI VOWEL SIGN VOCALIC LL
<U0AC5> <S0AC5>;<BASE>;<MIN>;<U0AC5> % GUJARATI VOWEL SIGN CANDRA E
<U0AC7> <S0AC7>;<BASE>;<MIN>;<U0AC7> % GUJARATI VOWEL SIGN E
<U0AC8> <S0AC8>;<BASE>;<MIN>;<U0AC8> % GUJARATI VOWEL SIGN AI
<U0AC9> <S0AC9>;<BASE>;<MIN>;<U0AC9> % GUJARATI VOWEL SIGN CANDRA O
<U0ACB> <S0ACB>;<BASE>;<MIN>;<U0ACB> % GUJARATI VOWEL SIGN O
<U0ACC> <S0ACC>;<BASE>;<MIN>;<U0ACC> % GUJARATI VOWEL SIGN AU

```

<U0B3E> <S0B3E>;<BASE>;<MIN>;<U0B3E> % ORIYA VOWEL SIGN AA
<U0B3F> <S0B3F>;<BASE>;<MIN>;<U0B3F> % ORIYA VOWEL SIGN I
<U0B40> <S0B40>;<BASE>;<MIN>;<U0B40> % ORIYA VOWEL SIGN II
<U0B41> <S0B41>;<BASE>;<MIN>;<U0B41> % ORIYA VOWEL SIGN U
<U0B42> <S0B42>;<BASE>;<MIN>;<U0B42> % ORIYA VOWEL SIGN UU
<U0B43> <S0B43>;<BASE>;<MIN>;<U0B43> % ORIYA VOWEL SIGN VOCALIC R
<U0B47> <S0B47>;<BASE>;<MIN>;<U0B47> % ORIYA VOWEL SIGN E
<U0B48> <S0B48>;<BASE>;<MIN>;<U0B48> % ORIYA VOWEL SIGN AI
<U0B47_0B56> <S0B48>;<BASE>;<MIN>;<U0B48> % ORIYA VOWEL SIGN AI
<U0B4B> <S0B4B>;<BASE>;<MIN>;<U0B4B> % ORIYA VOWEL SIGN O
<U0B47_0B3E> <S0B4B>;<BASE>;<MIN>;<U0B4B> % ORIYA VOWEL SIGN O
<U0B4C> <S0B4C>;<BASE>;<MIN>;<U0B4C> % ORIYA VOWEL SIGN AU
<U0B47_0B57> <S0B4C>;<BASE>;<MIN>;<U0B4C> % ORIYA VOWEL SIGN AU

<U0BBE> <S0BBE>;<BASE>;<MIN>;<U0BBE> % TAMIL VOWEL SIGN AA
<U0BBF> <S0BBF>;<BASE>;<MIN>;<U0BBF> % TAMIL VOWEL SIGN I
<U0BC0> <S0BC0>;<BASE>;<MIN>;<U0BC0> % TAMIL VOWEL SIGN II
<U0BC1> <S0BC1>;<BASE>;<MIN>;<U0BC1> % TAMIL VOWEL SIGN U
<U0BC2> <S0BC2>;<BASE>;<MIN>;<U0BC2> % TAMIL VOWEL SIGN UU
<U0BC6> <S0BC6>;<BASE>;<MIN>;<U0BC6> % TAMIL VOWEL SIGN E
<U0BC7> <S0BC7>;<BASE>;<MIN>;<U0BC7> % TAMIL VOWEL SIGN EE
<U0BC8> <S0BC8>;<BASE>;<MIN>;<U0BC8> % TAMIL VOWEL SIGN AI
<U0BCA> <S0BCA>;<BASE>;<MIN>;<U0BCA> % TAMIL VOWEL SIGN O
<U0BC6_0BBE> <S0BCA>;<BASE>;<MIN>;<U0BCA> % TAMIL VOWEL SIGN O
<U0BCB> <S0BCB>;<BASE>;<MIN>;<U0BCB> % TAMIL VOWEL SIGN OO
<U0BC7_0BBE> <S0BCB>;<BASE>;<MIN>;<U0BCB> % TAMIL VOWEL SIGN OO
<U0BCC> <S0BCC>;<BASE>;<MIN>;<U0BCC> % TAMIL VOWEL SIGN AU
<U0BC6_0BD7> <S0BCC>;<BASE>;<MIN>;<U0BCC> % TAMIL VOWEL SIGN AU

<U0C3E> <S0C3E>;<BASE>;<MIN>;<U0C3E> % TELUGU VOWEL SIGN AA
<U0C3F> <S0C3F>;<BASE>;<MIN>;<U0C3F> % TELUGU VOWEL SIGN I
<U0C40> <S0C40>;<BASE>;<MIN>;<U0C40> % TELUGU VOWEL SIGN II
<U0C41> <S0C41>;<BASE>;<MIN>;<U0C41> % TELUGU VOWEL SIGN U
<U0C42> <S0C42>;<BASE>;<MIN>;<U0C42> % TELUGU VOWEL SIGN UU
<U0C43> <S0C43>;<BASE>;<MIN>;<U0C43> % TELUGU VOWEL SIGN VOCALIC R
<U0C44> <S0C44>;<BASE>;<MIN>;<U0C44> % TELUGU VOWEL SIGN VOCALIC RR
<U0C46> <S0C46>;<BASE>;<MIN>;<U0C46> % TELUGU VOWEL SIGN E
<U0C47> <S0C47>;<BASE>;<MIN>;<U0C47> % TELUGU VOWEL SIGN EE
<U0C48> <S0C48>;<BASE>;<MIN>;<U0C48> % TELUGU VOWEL SIGN AI
<U0C46_0C56> <S0C48>;<BASE>;<MIN>;<U0C48> % TELUGU VOWEL SIGN AI
<U0C4A> <S0C4A>;<BASE>;<MIN>;<U0C4A> % TELUGU VOWEL SIGN O
<U0C4B> <S0C4B>;<BASE>;<MIN>;<U0C4B> % TELUGU VOWEL SIGN OO
<U0C4C> <S0C4C>;<BASE>;<MIN>;<U0C4C> % TELUGU VOWEL SIGN AU

<U0CBE> <S0CBE>;<BASE>;<MIN>;<U0CBE> % KANNADA VOWEL SIGN AA
<U0CBF> <S0CBF>;<BASE>;<MIN>;<U0CBF> % KANNADA VOWEL SIGN I
<U0CC0> <S0CC0>;<BASE>;<MIN>;<U0CC0> % KANNADA VOWEL SIGN II
<U0CBF_0CD5> <S0CC0>;<BASE>;<MIN>;<U0CC0> % KANNADA VOWEL SIGN II
<U0CC1> <S0CC1>;<BASE>;<MIN>;<U0CC1> % KANNADA VOWEL SIGN U
<U0CC2> <S0CC2>;<BASE>;<MIN>;<U0CC2> % KANNADA VOWEL SIGN UU
<U0CC3> <S0CC3>;<BASE>;<MIN>;<U0CC3> % KANNADA VOWEL SIGN VOCALIC R
<U0CC4> <S0CC4>;<BASE>;<MIN>;<U0CC4> % KANNADA VOWEL SIGN VOCALIC RR
<U0CC6> <S0CC6>;<BASE>;<MIN>;<U0CC6> % KANNADA VOWEL SIGN E
<U0CC7> <S0CC7>;<BASE>;<MIN>;<U0CC7> % KANNADA VOWEL SIGN EE
<U0CC6_0CD5> <S0CC7>;<BASE>;<MIN>;<U0CC7> % KANNADA VOWEL SIGN EE
<U0CC8> <S0CC8>;<BASE>;<MIN>;<U0CC8> % KANNADA VOWEL SIGN AI
<U0CC6_0CD6> <S0CC8>;<BASE>;<MIN>;<U0CC8> % KANNADA VOWEL SIGN AI
<U0CCA> <S0CCA>;<BASE>;<MIN>;<U0CCA> % KANNADA VOWEL SIGN O
<U0CC6_0CC2> <S0CCA>;<BASE>;<MIN>;<U0CCA> % KANNADA VOWEL SIGN O
<U0CCB> <S0CCB>;<BASE>;<MIN>;<U0CCB> % KANNADA VOWEL SIGN OO
<U0CC6_0CC2_0CD5> <S0CCB>;<BASE>;<MIN>;<U0CCB> % KANNADA VOWEL SIGN OO
<U0CCC> <S0CCC>;<BASE>;<MIN>;<U0CCC> % KANNADA VOWEL SIGN AU

<U0D3E> <S0D3E>;<BASE>;<MIN>;<U0D3E> % MALAYALAM VOWEL SIGN AA
<U0D3F> <S0D3F>;<BASE>;<MIN>;<U0D3F> % MALAYALAM VOWEL SIGN I
<U0D40> <S0D40>;<BASE>;<MIN>;<U0D40> % MALAYALAM VOWEL SIGN II
<U0D41> <S0D41>;<BASE>;<MIN>;<U0D41> % MALAYALAM VOWEL SIGN U
<U0D42> <S0D42>;<BASE>;<MIN>;<U0D42> % MALAYALAM VOWEL SIGN UU
<U0D43> <S0D43>;<BASE>;<MIN>;<U0D43> % MALAYALAM VOWEL SIGN VOCALIC R

```

```

<U0D46> <S0D46>;<BASE>;<MIN>;<U0D46> % MALAYALAM VOWEL SIGN E
<U0D47> <S0D47>;<BASE>;<MIN>;<U0D47> % MALAYALAM VOWEL SIGN EE
<U0D48> <S0D48>;<BASE>;<MIN>;<U0D48> % MALAYALAM VOWEL SIGN AI
<U0D4A> <S0D4A>;<BASE>;<MIN>;<U0D4A> % MALAYALAM VOWEL SIGN O
<U0D46_0D3E> <S0D4A>;<BASE>;<MIN>;<U0D4A> % MALAYALAM VOWEL SIGN O
<U0D4B> <S0D4B>;<BASE>;<MIN>;<U0D4B> % MALAYALAM VOWEL SIGN OO
<U0D47_0D3E> <S0D4B>;<BASE>;<MIN>;<U0D4B> % MALAYALAM VOWEL SIGN OO
<U0D4C> <S0D4C>;<BASE>;<MIN>;<U0D4C> % MALAYALAM VOWEL SIGN AU
<U0D46_0D57> <S0D4C>;<BASE>;<MIN>;<U0D4C> % MALAYALAM VOWEL SIGN AU

```

```

%% The true collation for Tibetan is not achieved by this.
%% But at least one gets the grouping this way.

```

```

%%
%% Unfortunately, the stem letter of a syllable is often not
%% the base letter, it can be one of the subjoined letters,
%% or even a letter in the next orthographic syllable.

```

```

%%
%% A tailoring can list "swap groups" that make
%% the stem letter of a syllable most significant,
%% using a weight above for that, and the weights below
%% for subjoined (and vowel) letters for the others.

```

```

<U0F71> <S0F71>;<BASE>;<MIN>;<U0F71> % TIBETAN VOWEL SIGN AA
<U0F72> <S0F72>;<BASE>;<MIN>;<U0F72> % TIBETAN VOWEL SIGN I
<U0F73> <S0F73>;<BASE>;<MIN>;<U0F73> % TIBETAN VOWEL SIGN II
<U0F71_0F72> <S0F73>;<BASE>;<MIN>;<U0F73> % TIBETAN VOWEL SIGN II
<U0F80> <S0F80>;<BASE>;<MIN>;<U0F80> % TIBETAN VOWEL SIGN REVERSED I
<U0F81> <S0F81>;<BASE>;<MIN>;<U0F81> % TIBETAN VOWEL SIGN REVERSED II
<U0F71_0F80> <S0F81>;<BASE>;<MIN>;<U0F81> % TIBETAN VOWEL SIGN REVERSED II
<U0F74> <S0F74>;<BASE>;<MIN>;<U0F74> % TIBETAN VOWEL SIGN U
<U0F75> <S0F75>;<BASE>;<MIN>;<U0F75> % TIBETAN VOWEL SIGN UU
<U0F71_0F74> <S0F75>;<BASE>;<MIN>;<U0F75> % TIBETAN VOWEL SIGN UU
<U0F76> <S0F76>;<BASE>;<MIN>;<U0F76> % TIBETAN VOWEL SIGN VOCALIC R
<U0FB2_0F80> <S0F76>;<BASE>;<MIN>;<U0F76> % TIBETAN VOWEL SIGN VOCALIC R
<U0F77> <S0F77>;<BASE>;<MIN>;<U0F77> % TIBETAN VOWEL SIGN VOCALIC RR
<U0FB2_0F71_0F80> <S0F77>;<BASE>;<MIN>;<U0F77> % TIBETAN VOWEL SIGN VOCALIC RR
<U0F78> <S0F78>;<BASE>;<MIN>;<U0F78> % TIBETAN VOWEL SIGN VOCALIC L
<U0FB3_0F80> <S0F78>;<BASE>;<MIN>;<U0F78> % TIBETAN VOWEL SIGN VOCALIC L
<U0F79> <S0F79>;<BASE>;<MIN>;<U0F79> % TIBETAN VOWEL SIGN VOCALIC LL
<U0FB3_0F71_0F80> <S0F79>;<BASE>;<MIN>;<U0F79> % TIBETAN VOWEL SIGN VOCALIC LL
<U0F7A> <S0F7A>;<BASE>;<MIN>;<U0F7A> % TIBETAN VOWEL SIGN E
<U0F7B> <S0F7B>;<BASE>;<MIN>;<U0F7B> % TIBETAN VOWEL SIGN EE
<U0F7C> <S0F7C>;<BASE>;<MIN>;<U0F7C> % TIBETAN VOWEL SIGN O
<U0F7D> <S0F7D>;<BASE>;<MIN>;<U0F7D> % TIBETAN VOWEL SIGN OO
<U0F84> <S0F84>;<BASE>;<MIN>;<U0F84> % TIBETAN MARK HALANTA

```

```

<U0DCF> <S0DCF>;<BASE>;<MIN>;<U0DCF> % SINHALA VOWEL SIGN AELA-PILLA
<U0DD0> <S0DD0>;<BASE>;<MIN>;<U0DD0> % SINHALA VOWEL SIGN KETTI AEDA-PILLA
<U0DD1> <S0DD1>;<BASE>;<MIN>;<U0DD1> % SINHALA VOWEL SIGN DIGA AEDA-PILLA
<U0DD2> <S0DD2>;<BASE>;<MIN>;<U0DD2> % SINHALA VOWEL SIGN KETTI IS-PILLA
<U0DD3> <S0DD3>;<BASE>;<MIN>;<U0DD3> % SINHALA VOWEL SIGN DIGA IS-PILLA
<U0DD4> <S0DD4>;<BASE>;<MIN>;<U0DD4> % SINHALA VOWEL SIGN KETTI PAA-PILLA
<U0DD6> <S0DD6>;<BASE>;<MIN>;<U0DD6> % SINHALA VOWEL SIGN DIGA PAA-PILLA
<U0DD8> <S0DD8>;<BASE>;<MIN>;<U0DD8> % SINHALA VOWEL SIGN GAETTA-PILLA
<U0DD9> <S0DD9>;<BASE>;<MIN>;<U0DD9> % SINHALA VOWEL SIGN KOMBUVA
<U0DDA> <S0DDA>;<BASE>;<MIN>;<U0DDA> % SINHALA VOWEL SIGN DIGA KOMBUVA
<U0DD9_0DCA> <S0DDA>;<BASE>;<MIN>;<U0DDA> % SINHALA VOWEL SIGN DIGA KOMBUVA
<U0DDb> <S0DDb>;<BASE>;<MIN>;<U0DDb> % SINHALA VOWEL SIGN KOMBU DEKA
<U0DDc> <S0DDc>;<BASE>;<MIN>;<U0DDc> % SINHALA VOWEL SIGN KOMBUVA HAA AELA-PILLA
<U0DD9_0DCF> <S0DDc>;<BASE>;<MIN>;<U0DDc> % SINHALA VOWEL SIGN KOMBUVA HAA AELA-PILLA
<U0DDd> <S0DDd>;<BASE>;<MIN>;<U0DDd> % SINHALA VOWEL SIGN KOMBUVA HAA DIGA AELA-PILLA
<U0DD9_0DCF_0DCA> <S0DDd>;<BASE>;<MIN>;<U0DDd> % SINHALA VOWEL SIGN KOMBUVA HAA DIGA AELA-PILLA
<U0DDE> <S0DDE>;<BASE>;<MIN>;<U0DDE> % SINHALA VOWEL SIGN KOMBUVA HAA GAYANUKITTA
<U0DD9_0DDF> <S0DDE>;<BASE>;<MIN>;<U0DDE> % SINHALA VOWEL SIGN KOMBUVA HAA GAYANUKITTA
<U0DDf> <S0DDf>;<BASE>;<MIN>;<U0DDf> % SINHALA VOWEL SIGN GAYANUKITTA
<U0DF2> <S0DF2>;<BASE>;<MIN>;<U0DF2> % SINHALA VOWEL SIGN DIGA GAETTA-PILLA
<U0DF3> <S0DF3>;<BASE>;<MIN>;<U0DF3> % SINHALA VOWEL SIGN DIGA GAYANUKITTA

```

```

<U102C> <S102C>;<BASE>;<MIN>;<U102C> % MYANMAR VOWEL SIGN AA
<U102D> <S102D>;<BASE>;<MIN>;<U102D> % MYANMAR VOWEL SIGN I
<U102E> <S102E>;<BASE>;<MIN>;<U102E> % MYANMAR VOWEL SIGN II
<U102F> <S102F>;<BASE>;<MIN>;<U102F> % MYANMAR VOWEL SIGN U

```

<U1030> <S1030>;<BASE>;<MIN>;<U1030> % MYANMAR VOWEL SIGN UU
 <U1031> <S1031>;<BASE>;<MIN>;<U1031> % MYANMAR VOWEL SIGN E
 <U1032> <S1032>;<BASE>;<MIN>;<U1032> % MYANMAR VOWEL SIGN AI
 <U1056> <S1056>;<BASE>;<MIN>;<U1056> % MYANMAR VOWEL SIGN VOCALIC R
 <U1057> <S1057>;<BASE>;<MIN>;<U1057> % MYANMAR VOWEL SIGN VOCALIC RR
 <U1058> <S1058>;<BASE>;<MIN>;<U1058> % MYANMAR VOWEL SIGN VOCALIC L
 <U1059> <S1059>;<BASE>;<MIN>;<U1059> % MYANMAR VOWEL SIGN VOCALIC LL

<U1712> <S1712>;<BASE>;<MIN>;<U1712> % TAGALOG VOWEL SIGN I
 <U1713> <S1713>;<BASE>;<MIN>;<U1713> % TAGALOG VOWEL SIGN U

<U1732> <S1732>;<BASE>;<MIN>;<U1732> % HANUNOO VOWEL SIGN I
 <U1733> <S1733>;<BASE>;<MIN>;<U1733> % HANUNOO VOWEL SIGN U

<U1752> <S1752>;<BASE>;<MIN>;<U1752> % BUHID VOWEL SIGN I
 <U1753> <S1753>;<BASE>;<MIN>;<U1753> % BUHID VOWEL SIGN U

<U1772> <S1772>;<BASE>;<MIN>;<U1772> % TAGBANWA VOWEL SIGN I
 <U1773> <S1773>;<BASE>;<MIN>;<U1773> % TAGBANWA VOWEL SIGN U

<U1920> <S1920>;<BASE>;<MIN>;<U1920> % LIMBU VOWEL SIGN A
 <U1921> <S1921>;<BASE>;<MIN>;<U1921> % LIMBU VOWEL SIGN I
 <U1922> <S1922>;<BASE>;<MIN>;<U1922> % LIMBU VOWEL SIGN U
 <U1923> <S1923>;<BASE>;<MIN>;<U1923> % LIMBU VOWEL SIGN EE
 <U1924> <S1924>;<BASE>;<MIN>;<U1924> % LIMBU VOWEL SIGN AI
 <U1925> <S1925>;<BASE>;<MIN>;<U1925> % LIMBU VOWEL SIGN OO
 <U1926> <S1926>;<BASE>;<MIN>;<U1926> % LIMBU VOWEL SIGN AU
 <U1927> <S1927>;<BASE>;<MIN>;<U1927> % LIMBU VOWEL SIGN E
 <U1928> <S1928>;<BASE>;<MIN>;<U1928> % LIMBU VOWEL SIGN O

<U1963> <S1963>;<BASE>;<MIN>;<U1963> % TAI LE LETTER A
 <U1964> <S1964>;<BASE>;<MIN>;<U1964> % TAI LE LETTER I
 <U1965> <S1965>;<BASE>;<MIN>;<U1965> % TAI LE LETTER EE
 <U1966> <S1966>;<BASE>;<MIN>;<U1966> % TAI LE LETTER EH
 <U1967> <S1967>;<BASE>;<MIN>;<U1967> % TAI LE LETTER U
 <U1968> <S1968>;<BASE>;<MIN>;<U1968> % TAI LE LETTER OO
 <U1969> <S1969>;<BASE>;<MIN>;<U1969> % TAI LE LETTER O
 <U196A> <S196A>;<BASE>;<MIN>;<U196A> % TAI LE LETTER UE
 <U196B> <S196B>;<BASE>;<MIN>;<U196B> % TAI LE LETTER E
 <U196C> <S196C>;<BASE>;<MIN>;<U196C> % TAI LE LETTER AUE
 <U196D> <S196D>;<BASE>;<MIN>;<U196D> % TAI LE LETTER AI

<U1970> <S1970>;<BASE>;<MIN>;<U1970> % TAI LE LETTER TONE-2 %% ???
 <U1971> <S1971>;<BASE>;<MIN>;<U1971> % TAI LE LETTER TONE-3
 <U1972> <S1972>;<BASE>;<MIN>;<U1972> % TAI LE LETTER TONE-4
 <U1973> <S1973>;<BASE>;<MIN>;<U1973> % TAI LE LETTER TONE-5
 <U1974> <S1974>;<BASE>;<MIN>;<U1974> % TAI LE LETTER TONE-6

%%-----and finally, viramas and subjoined letters-----

<U094D> <S094D>;<BASE>;<MIN>;<U094D> % DEVANAGARI SIGN VIRAMA
 <U09CD> <S09CD>;<BASE>;<MIN>;<U09CD> % BENGALI SIGN VIRAMA
 <U0A4D> <S0A4D>;<BASE>;<MIN>;<U0A4D> % GURMUKHI SIGN VIRAMA
 <U0ACD> <S0ACD>;<BASE>;<MIN>;<U0ACD> % GUJARATI SIGN VIRAMA
 <U0B4D> <S0B4D>;<BASE>;<MIN>;<U0B4D> % ORIYA SIGN VIRAMA
 <U0BCD> <S0BCD>;<BASE>;<MIN>;<U0BCD> % TAMIL SIGN VIRAMA
 <U0C4D> <S0C4D>;<BASE>;<MIN>;<U0C4D> % TELUGU SIGN VIRAMA
 <U0CCD> <S0CCD>;<BASE>;<MIN>;<U0CCD> % KANNADA SIGN VIRAMA
 <U0D4D> <S0D4D>;<BASE>;<MIN>;<U0D4D> % MALAYALAM SIGN VIRAMA

<U0F90> <S0F90>;<BASE>;<MIN>;<U0F90> % TIBETAN SUBJOINED LETTER KA
 <U0FB9> "<S0F90><S0FB5>"; "<BASE><BASE>"; "<MIN><MIN>"; <U0FB9> % TIBETAN SUBJOINED LETTER KSSA
 <U0F91> <S0F91>;<BASE>;<MIN>;<U0F91> % TIBETAN SUBJOINED LETTER KHA
 <U0F92> <S0F92>;<BASE>;<MIN>;<U0F92> % TIBETAN SUBJOINED LETTER GA
 <U0F93> "<S0F92><S0FB7>"; "<BASE><BASE>"; "<MIN><MIN>"; <U0F93> % TIBETAN SUBJOINED LETTER GHA
 <U0F94> <S0F94>;<BASE>;<MIN>;<U0F94> % TIBETAN SUBJOINED LETTER NGA
 <U0F95> <S0F95>;<BASE>;<MIN>;<U0F95> % TIBETAN SUBJOINED LETTER CA
 <U0F96> <S0F96>;<BASE>;<MIN>;<U0F96> % TIBETAN SUBJOINED LETTER CHA
 <U0F97> <S0F97>;<BASE>;<MIN>;<U0F97> % TIBETAN SUBJOINED LETTER JA
 <U0F99> <S0F99>;<BASE>;<MIN>;<U0F99> % TIBETAN SUBJOINED LETTER NYA
 <U0F9A> <S0F9A>;<BASE>;<MIN>;<U0F9A> % TIBETAN SUBJOINED LETTER TTA
 <U0F9B> <S0F9B>;<BASE>;<MIN>;<U0F9B> % TIBETAN SUBJOINED LETTER TTHA
 <U0F9C> <S0F9C>;<BASE>;<MIN>;<U0F9C> % TIBETAN SUBJOINED LETTER DDA
 <U0F9D> "<S0F9C><S0FB7>"; "<BASE><BASE>"; "<MIN><MIN>"; <U0F9D> % TIBETAN SUBJOINED LETTER DDHA
 <U0F9E> <S0F9E>;<BASE>;<MIN>;<U0F9E> % TIBETAN SUBJOINED LETTER NNA
 <U0F9F> <S0F9F>;<BASE>;<MIN>;<U0F9F> % TIBETAN SUBJOINED LETTER TA
 <U0FA0> <S0FA0>;<BASE>;<MIN>;<U0FA0> % TIBETAN SUBJOINED LETTER THA
 <U0FA1> <S0FA1>;<BASE>;<MIN>;<U0FA1> % TIBETAN SUBJOINED LETTER DA
 <U0FA2> "<S0FA1><S0FB7>"; "<BASE><BASE>"; "<MIN><MIN>"; <U0FA2> % TIBETAN SUBJOINED LETTER DHA
 <U0FA3> <S0FA3>;<BASE>;<MIN>;<U0FA3> % TIBETAN SUBJOINED LETTER NA
 <U0FA4> <S0FA4>;<BASE>;<MIN>;<U0FA4> % TIBETAN SUBJOINED LETTER PA
 <U0FA5> <S0FA5>;<BASE>;<MIN>;<U0FA5> % TIBETAN SUBJOINED LETTER PHA
 <U0FA6> <S0FA6>;<BASE>;<MIN>;<U0FA6> % TIBETAN SUBJOINED LETTER BA
 <U0FA7> "<S0FA6><S0FB7>"; "<BASE><BASE>"; "<MIN><MIN>"; <U0FA7> % TIBETAN SUBJOINED LETTER BHA
 <U0FA8> <S0FA8>;<BASE>;<MIN>;<U0FA8> % TIBETAN SUBJOINED LETTER MA
 <U0FA9> <S0FA9>;<BASE>;<MIN>;<U0FA9> % TIBETAN SUBJOINED LETTER TSA
 <U0FAA> <S0FAA>;<BASE>;<MIN>;<U0FAA> % TIBETAN SUBJOINED LETTER TSHA
 <U0F5C> "<S0F5B><S0FB7>"; "<BASE><BASE>"; "<MIN><MIN>"; <U0F5C> % TIBETAN LETTER DZHA
 <U0FAB> <S0FAB>;<BASE>;<MIN>;<U0FAB> % TIBETAN SUBJOINED LETTER DZA
 <U0FAC> "<S0FAB><S0FB7>"; "<BASE><BASE>"; "<MIN><MIN>"; <U0FAC> % TIBETAN SUBJOINED LETTER DZHA
 <U0FAD> <S0FAD>;<BASE>;<MIN>;<U0FAD> % TIBETAN SUBJOINED LETTER WA
 <U0FBA> <S0FAD>;<BASE><VRNT2>; "<COMPAT><COMPAT>"; <U0FBA> % TIBETAN SUBJOINED LETTER FIXED-FORM
 WA
 <U0FAE> <S0FAE>;<BASE>;<MIN>;<U0FAE> % TIBETAN SUBJOINED LETTER ZHA
 <U0FAF> <S0FAF>;<BASE>;<MIN>;<U0FAF> % TIBETAN SUBJOINED LETTER ZA
 <U0FB0> <S0FB0>;<BASE>;<MIN>;<U0FB0> % TIBETAN SUBJOINED LETTER -A
 <U0FB1> <S0FB1>;<BASE>;<MIN>;<U0FB1> % TIBETAN SUBJOINED LETTER YA
 <U0FBB> <S0FB1>;<BASE><VRNT2>; "<COMPAT><COMPAT>"; <U0FBB> % TIBETAN SUBJOINED LETTER FIXED-FORM
 YA
 <U0FB2> <S0FB2>;<BASE>;<MIN>;<U0FB2> % TIBETAN SUBJOINED LETTER RA
 <U0FBC> <S0FB2>;<BASE><VRNT2>; "<COMPAT><COMPAT>"; <U0FBC> % TIBETAN SUBJOINED LETTER FIXED-FORM
 RA
 <U0FB3> <S0FB3>;<BASE>;<MIN>;<U0FB3> % TIBETAN SUBJOINED LETTER LA
 <U0FB4> <S0FB4>;<BASE>;<MIN>;<U0FB4> % TIBETAN SUBJOINED LETTER SHA
 <U0FB5> <S0FB5>;<BASE>;<MIN>;<U0FB5> % TIBETAN SUBJOINED LETTER SSA
 <U0FB6> <S0FB6>;<BASE>;<MIN>;<U0FB6> % TIBETAN SUBJOINED LETTER SA
 <U0FB7> <S0FB7>;<BASE>;<MIN>;<U0FB7> % TIBETAN SUBJOINED LETTER HA
 <U0FB8> <S0FB8>;<BASE>;<MIN>;<U0FB8> % TIBETAN SUBJOINED LETTER A

 <U1039> <S1039>;<BASE>;<MIN>;<U1039> % MYANMAR SIGN VIRAMA
 <U1714> <S1714>;<BASE>;<MIN>;<U1714> % TAGALOG SIGN VIRAMA
 <U1734> <S1734>;<BASE>;<MIN>;<U1734> % HANUNOO SIGN PAMUDPOD

 <U1929> <S1929>;<BASE>;<MIN>;<U1929> % LIMBU SUBJOINED LETTER YA
 <U192A> <S192A>;<BASE>;<MIN>;<U192A> % LIMBU SUBJOINED LETTER RA
 <U192B> <S192B>;<BASE>;<MIN>;<U192B> % LIMBU SUBJOINED LETTER WA

 <U1930> <S1930>;<BASE>;<MIN>;<U1930> % LIMBU SMALL LETTER KA
 <U1931> <S1931>;<BASE>;<MIN>;<U1931> % LIMBU SMALL LETTER NGA
 <U1932> <S1932>;<BASE>;<MIN>;<U1932> % LIMBU SMALL LETTER ANUSVARA
 <U1933> <S1933>;<BASE>;<MIN>;<U1933> % LIMBU SMALL LETTER TA
 <U1934> <S1934>;<BASE>;<MIN>;<U1934> % LIMBU SMALL LETTER NA
 <U1935> <S1935>;<BASE>;<MIN>;<U1935> % LIMBU SMALL LETTER PA
 <U1936> <S1936>;<BASE>;<MIN>;<U1936> % LIMBU SMALL LETTER MA
 <U1937> <S1937>;<BASE>;<MIN>;<U1937> % LIMBU SMALL LETTER RA
 <U1938> <S1938>;<BASE>;<MIN>;<U1938> % LIMBU SMALL LETTER LA

%%