IDNA2008 and Unicode 11.0.0
draft-faltstrom-unicodell-02

Abstract

This document describes changes between Unicode 6.3.0 and Unicode 11.0.0 in the context of IDNA2008. It further suggests for the IETF a path forward regarding ensuring IDNA2008 follows the evolution of the Unicode Standard.

In a few cases changes have been made in the Unicode Standard related to the algorithm IDNA2008 specifies. IDNA2008 do give the ability to add exceptions for backward compatibility to the algorithm but the conclusions provided in this document suggests no such changes.

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1. Introduction

The current version of Internationalized Domain Names for Applications (IDNA) was largely completed in 2008, known within the series and elsewhere as "IDNA2008" and is specified in a series of documents (see Section 3.1). The standard include an algorithm by which a derived property value is calculated based on the properties defined in the Unicode Standard.

When the Unicode Standard is updated code points are assigned that earlier was not and property values changes for already assigned code points.

Assigning code points might create problems if the newly assigned code points are compositions of code points so that it either changes or would have changed the normalization functions. This because it
changes the matching algorithms used which in turn might create problems looking up already stored strings in for example DNS.

Changing properties to already assigned code points might create problems if the change do result in the derived property value changes. This might make an earlier allowed code point (derived property value PVALID) not be allowed anymore (derived property value DISALLOWED). Or the other way around, a code point that was not allowed (and because of that blocked in some situations) suddenly end up being allowed.

Historically the IETF has accepted all implications of changes in the Unicode Standard even though the changes have resulted in problematic changes in the derived property value. The primary reason for that is that staying with the Unicode Standard has been viewed as important given the diversity in implementations already existing in the wild.

As described in Section 4, a few changes have been made regarding certain attributes to code points in Unicode between version 6.3.0 and 11.0.0. Such changes could result in either a change in the derived property value for the code point in question or no such change. In turn, if the result is a change, it can be between any of the derived property values except DISALLOWED. Also in this case, when moving from version 6.3.0 to 11.0.0, this document concludes that no exceptions are to be added to IDNA2008 even if changes in the derived property value is a result of the changes made in Unicode.

Specifically, the Internet Architecture Board did issue a statement [IAB] which requested IETF to resolve the issues related to the code point ARABIC LETTER BEH WITH HAMZA ABOVE (U+08A1), introduced in Unicode 7.0.0 [Unicode-7.0.0]. This document resolves this issue and suggests IDNA2008 standard is to follow the Unicode Standard and not update RFC 5892 [RFC5892] or any other IDNA2008 RFCs.

2. Keywords for Requirement Levels

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in RFC 2119 [RFC2119].

3. Background

3.1. IDNA2008 Documents

IDNA2008 consists of the following documents:
o A document, **RFC 5890** [RFC5890], containing definitions and other material that are needed for understanding other documents in the set. It is referred to informally in other documents in the set as "Defs" or "Definitions".

o A document, **RFC 5891** [RFC5891], that describes the core IDNA2008 protocol and its operations. It is to be interpreted in combination with the Bidi document, described immediately below. It is referred to informally in other documents in the set as "Protocol".

o A specification, **RFC 5892** [RFC5892], of the categories and rules that identify the code points allowed in a label written in native character form (defined more specifically as a "U-label"), based originally on Unicode 5.2.0 [Unicode-5.2.0] code point assignments and additional rules unique to IDNA2008. The Unicode-based rules are expected to be stable across Unicode updates and hence independent of Unicode versions. That specification obsoletes **RFC 3491** [RFC3491] and IDN use of the tables to which it refers. It is referred to informally in other documents in the set as "Tables".

o A document, **RFC 5893** [RFC5893], that specifies special rules (Bidi) for labels that contain characters that are written from right to left.

o A document, **RFC 5894** [RFC5894], that provides an overview of the protocol and associated tables together with explanatory material and some rationale for the decisions that led to IDNA2008. That document also contains advice for registry operations and those who use Internationalized Domain Names (IDNs). It is referred to informally in other documents in the set as "Rationale".

o A document, **RFC 5895** [RFC5895], that discusses the issue of mapping characters into other characters and that provides guidance for doing so when that is appropriate. That document, referred to informally as "Mapping", provides advice; it is not a required part of IDNA.

o A document, **RFC 6452** [RFC6452], that looks at some changes made to Unicode 6.0.0 [Unicode-6.0.0] that resulted in the derived property value change for the code points U+0CF1, U+0CF2 and U+19DA. The first two changed from DISALLOWED to PVALID, the last from PVALID to DISSALOWED. IETF came to the conclusion the changes where acceptable and **RFC 5892** [RFC5892] was not updated to make the derived property value not change for these code points.
3.2. Deployment

The deployment of IDNA2008 is unfortunately quite diverse. The following lists some of the strategies that existing implementations are known to implement:

- IDNA2003 as specified in RFC 3490 [RFC3490] and RFC 3491 [RFC3491] which implies using a table within which it is said whether code points are allowed to be used or not, and this after doing the in IDNA2003 included normalization.

- A mix between IDNA2003 and IDNA2008 where code points assigned to Unicode after Unicode 3.2.0 [Unicode-3.2.0] have derived property value calculated according to the algorithm specified in IDNA2008.

- Strict IDNA2008 following IANA which implies stayed at Unicode 6.3.0 [Unicode-6.3.0] and treating later assigned code points as UNASSIGNED.

- The IDNA2008 algorithm applied to whatever version of Unicode Standard exists in the operating system and/or libraries used, regardless of whether the version is later than Unicode version 6.3.0 or not.

- A mix between IDNA2003 and IDNA2008 according to local interpretation of the Unicode Technical Standard #46 [UTS-46].

The issue is further complicated by having a very diverse implementations of the requirements in RFC 5894 [RFC5894] that registry operators to based on the IDNA2008 specification create additional rules for what code points are allowed to be used for registration.

In practice, the Unicode Consortium set a maximum set of code points by assigning code points in the Unicode Standard. The IDNA2008 rules based on the Unicode Standard create a subset of these by assigning the PVALID derived property value to them. Registries (and others dealing with Internationalized Domain Names) are supposed to create an even smaller subset that ultimately is the set of code points that can be used in a particular registry.

There is further recommendation to be conservative when these subsets are calculated and to use the inclusion principle; this is explained in SAC-084 [SAC-084] and RFC 6912 [RFC6912].

The complicated situation with deployment of IDNA2008 is discussed further in draft-klensin-idna-rfc5891bis
4. Notable changes between Unicode 6.3.0 and 11.0.0

4.1. Changes to Unicode 7.0.0

The character ARABIC LETTER BEH WITH HAMZA ABOVE U+08A1 was introduced in Unicode 7.0.0. This was discussed in the IETF extensively and IAB in their statement [IAB] requesting the IETF to investigate the issue and specifically IAB stated:

On the same precautionary principle, the IAB recommends that the Internationalized Domain Names for Applications (IDNA) Parameters registry (http://www.iana.org/assignments/idna-tables/) not be updated to Unicode 7.0.0 until the IETF has consensus on a solution to this problem.

The discussion in the IETF concluded that although it is possible to create "the same" character in multiple ways, the issue with U+08A1 is not unique. In the case of U+08A1, it can be represented with the sequence ARABIC LETTER BEH (U+0628) and ARABIC HAMZA ABOVE (U+0654). Just like LATIN SMALL LETTER A WITH DIAERESIS (U+00E4) can be represented via the sequence LATIN SMALL LETTER A (U+0061), and COMBINING DIAERESIS (U+0308). One difference between these sequences is how they are treated in the normalization forms specified by the Unicode Consortium.

As U+08A1 is discussed in draft-freytag-troublesome-characters [I-D.freytag-troublesome-characters] and elsewhere. Regardless of whether those discussions end in recommending including the code point in the repertoire of characters permissible for registration or not, it is acceptable to allow the code point to have a derived property value of PVALID.

4.2. Changes between Unicode 7.0.0 and 10.0.0

There are no changes made to Unicode between version 7.0.0 and 10.0.0 that impacts IDNA2008 calculation of the derived property value.

4.3. Changes to Unicode 11.0.0

The Unicode Standard Version 11.0.0 [Unicode-11.0.0] have included a number of changes [Changes-11.0.0] from version 10.0.0, specifically to UnicodeData.txt:

- Entries were added for the 684 new characters, including letters, combining marks, digits, symbols, and punctuation marks.
o Georgian letters in the ranges U+10D0..U+10FA, U+10FD..U+10FF were changed from Lo to Ll, to reflect their status as the lowercase of new Georgian case pairs. Case mappings were also added.

o U+111C9 SHARADA SANDHI MARK was changed from Po to Mn, and from bc=L to bc=NSM.

o U+11A07 ZANABAZAR SQUARE VOWEL SIGN AI and U+11A08 ZANABZAR SQUARE VOWEL SIGN AU were corrected from Mc to Mn.

o U+29A1 SPHERICAL ANGLE OPENING UP was changed to Bidi_M=N.

These changes to the Unicode Standard have the following implications for these code points:

o The newly assigned 684 characters are to have a derived property value as a result of applying the IDNA2008 algorithm.

o The Georgian letters in the ranges U+10D0..U+10FA and U+10FD..U+10FF have existed since before IDNA2008 was created. Applying the IDNA2008 algorithm to the code points did assign the derived property value PVALID and that value is unchanged even if the underlying Unicode properties have changed.

o The U+111C9 SHARADA SANDHI MARK was added to Unicode 8.0.0 [Unicode-8.0.0]. Applying the IDNA2008 algorithm to the code point did assign the derived property value DISALLOWED. The changes in the underlying properties in the Unicode Standard Version 11.0.0 [Unicode-11.0.0] make the derived property value change to PVALID which is an acceptable change.

o The characters U+11A07 ZANABAZAR SQUARE VOWEL SIGN AI and U+11A08 ZANABZAR SQUARE VOWEL SIGN AU were added to Unicode 10.0.0 [Unicode-10.0.0]. Applying the IDNA2008 algorithm to the code points did assign the derived property value PVALID and that value is unchanged even if the underlying Unicode properties have changed.

o U+29A1 SPHERICAL ANGLE OPENING UP have existed since before IDNA2008 was created. Applying the IDNA2008 algorithm to the code point did assign the derived property value PVALID and that value is unchanged even if the underlying Unicode properties have changed.
5. Conclusion

As described in Section 4 changes have been made to Unicode between version 6.3.0 and 11.0.0. Some changes to specific characters changed their derived property value. Others did not. Given the diverse deployment described in Section 3.2 and the changes described, including implications to normalization, the conclusion is to not add any exception rules to IDNA2008.

To increase overall harmonization in the use of internationalized domain names, the author recommends that the derived property values MUST be calculated according to the IDNA2008 specification for Unicode Version 11.0.0 [Unicode-11.0.0].

All registries (and others) SHOULD calculate a repertoire, for example as explained in draft-freytag-troublesome-characters [I-D.freytag-troublesome-characters] and draft-klensin-idna-rfc5891bis [I-D.klensin-idna-rfc5891bis] using the conservatism and inclusive principles as laid out in SAC-084 [SAC-084].

6. IANA Considerations

IANA is requested to update the registry of derived property values after validation with the Appointed Expert that the derived property values are calculated correctly.

7. Security Considerations

Not following the recommendations regarding use of the IDNA2008 algorithm for calculation of the derived property value and/or explicitly deciding what subset of the by IDNA2008 algorithm applied to current Unicode version should be permissible can lead to various security issues related to specifically confusability, and that way various phishing attacks.

8. Acknowledgements

Thanks to John Klensin, Asmus Freytag, Andrew Sullivan, Ted Hardie, Suzanne Woolf and Michel Suignard for input to this document.

9. References

9.1. Normative References
9.2. Non-normative references
[Changes-11.0.0]

[I-D.freytag-troublesome-characters]

[I-D.klensin-idna-rfc5891bis]


[Unicode-10.0.0]

[Unicode-11.0.0]

[Unicode-3.2.0]

[Unicode-5.2.0]

[Unicode-6.0.0]

[Unicode-6.3.0]

[Unicode-7.0.0]

[Unicode-8.0.0]

[Unicode-9.0.0]

Appendix A. Changes from Unicode 6.3.0 to Unicode 7.0.0

Changes from derived property value UNASSIGNED to either PVALID or DISALLOWED.

037F ; DISALLOWED # GREEK CAPITAL LETTER YOT
0528..052F ; DISALLOWED # CYRILLIC CAPITAL LETTER EN WITH LEFT HOOK..C
058D..058E ; DISALLOWED # RIGHT-FACING ARMENIAN ETERNITY SIGN..LEFT-FA
0605 ; DISALLOWED # ARABIC NUMBER MARK ABOVE
08A1 ; PVALID # ARABIC LETTER BEH WITH HAMZA ABOVE
08AD..08B2 ; PVALID # ARABIC LETTER LOW ALEF..ARABIC LETTER ZAIN W
08FF ; PVALID # ARABIC MARK SIDEWAYS NOON GHUNNA
0978 ; PVALID # DEVANAGARI LETTER MARWARI DDA
0D01 ; PVALID # MALAYALAM SIGN CANDRABINDU
0DE6..0DEF ; PVALID # SINHALA LITH DIGIT ZERO..SINHALA LITH DIGIT
16F1..16F8 ; PVALID # RUNIC LETTER K..RUNIC LETTER FRANKS CASKET A
191D..191E ; PVALID # LIMBU LETTER GYAN..LIMBU LETTER TRA
1AB0..1ABE ; PVALID # COMBINING DOUBLED CIRCUMFLEX ACCENT..COMBINI
1CF8..1CF9 ; PVALID # VEDIC TONE RING ABOVE..VEDIC TONE DOUBLE RIN
1DE7..1DF5 ; PVALID # COMBINING LATIN SMALL LETTER ALPHA..COMBININ
20BB..20BD ; DISALLOWED # NORDIC MARK SIGN..RUBLE SIGN
23F4..23FA ; DISALLOWED # BLACK MEDIUM LEFT-POINTING TRIANGLE..BLACK C
2700 ; DISALLOWED # BLACK SAFETY SCISSORS
2B4D..2B4F ; DISALLOWED # DOWNWARDS TRIANGLE-HEADED ZIGZAG ARROW..SHOR
2B5A..2B73 ; DISALLOWED # SLANTED NORTH ARROW WITH HOOKED HEAD..DOWNWA
2B76..2B95 ; DISALLOWED # NORTH WEST TRIANGLE-HEADED ARROW TO BAR..RIG
2B98..2BB9 ; DISALLOWED # THREE-D TOP-LIGHTED LEFTWARDS EQUILATERAL AR
2BBD..2BC8 ; DISALLOWED # BALLOT BOX WITH LIGHT X..BLACK MEDIUM RIGHT-
2BCA..2BD1 ; DISALLOWED # TOP HALF BLACK CIRCLE..UNCERTAINTY SIGN
2E3C..2E42 ; DISALLOWED # STENOGRAPHIC FULL STOP..DOUBLE LOW-REVERSED-
A69B..A69D ; DISALLOWED # CYRILLIC CAPITAL LETTER DOUBLE O..MODIFIER L
A794..A79F ; PVALID # LATIN SMALL LETTER C WITH PALATAL HOOK..LATI
A7A9..A7AD ; DISALLOWED # LATIN CAPITAL LETTER REVERSED OPEN E..LATIN
A7B0..A7B1 ; DISALLOWED # LATIN CAPITAL LETTER TURNED K..LATIN CAPITAL
A7F7 ; PVALID # LATIN EPIGRAPHIC LETTER SIDEWAYS I
A9E0..A9FE ; PVALID # MYANMAR LETTER SHAN GHA..MYANMAR LETTER TAI
AA7C..AA7F ; PVALID # MYANMAR SIGN TAI LAING TONE-2..MYANMAR LETTE
AB30..AB5F ; PVALID # LATIN SMALL LETTER BARRED ALPHA..MODIFIER LE
AB64..AB65 ; PVALID # LATIN SMALL LETTER INVERTED ALPHA..GREEK LET
FE27..FE2D ; PVALID # COMBINING LIGATURE LEFT HALF BELOW..COMBININ
101B8..101BC ; DISALLOWED # GREEK ONE QUARTER SIGN..GREEK SINUSOID SIGN
101A0 ; DISALLOWED # GREEK SYMBOL TAU RHO
102E0..102FB ; PVALID # COPTIC EPACT THOUSANDS MARK..COPTIC EPACT NU
1031F ; PVALID # OLD ITALIC LETTER ESS
10350..1037A; PVALID  # OLD PERMIC LETTER AN..COMBINING OLD PERMIC L
10500..10527; PVALID  # ELBASAN LETTER A..ELBASAN LETTER KHE
10530..10563; PVALID  # CAUCASIAN ALBANIAN LETTER ALT..CAUCASIAN ALB
1056F; DISALLOWED  # CAUCASIAN ALBANIAN CITATION MARK
10600..10736; PVALID  # LINEAR A SIGN AB001..LINEAR A SIGN A664
10740..10755; PVALID  # LINEAR A SIGN A701 A..LINEAR A SIGN A732 JE
10760..10767; PVALID  # LINEAR A SIGN A800..LINEAR A SIGN A807
10760..10767; PVALID  # LINEAR A SIGN A800..LINEAR A SIGN A807
10760..10767; PVALID  # LINEAR A SIGN A800..LINEAR A SIGN A807
108A7..108AF; DISALLOWED  # NABATAEAN NUMBER ONE..NABATAEAN NUMBER ONE H
10A80..10A9F; PVALID  # OLD NORTH ARABIAN LETTER HEH..OLD NORTH ARAB
10AC0..10AE6; PVALID  # MANICHAEAN LETTER ALEPH..MANICHAEAN ABBREVIATION
10AF7..10AF9; DISALLOWED  # MANICHAEAN NUMBER ONE..MANICHAEAN NUMBER ONE H
1107F; PVALID  # BRAHMI NUMBER JOINER
11150..11176; PVALID  # MAHAJANI LETTER A..MAHAJANI LIGATURE SHRI
111DA; PVALID  # SHARADA SUTRA MARK
111E1..111F4; DISALLOWED  # SINHALA ARCHAIC DIGIT ONE..SINHALA ARCHAIC N
11200..11211; PVALID  # KHOJKI LETTER A..KHOJKI LETTER JJA
11213..1123D; PVALID  # KHOJKI LETTER NYA..KHOJKI ABBREVIATION SIGN
112B0..112E9; PVALID  # KHUDAWADI LETTER A..KHUDAWADI SIGN VIRAMA
112F0..112F9; PVALID  # KHUDAWADI DIGIT ZERO..KHUDAWADI DIGIT NINE
11301..11303; PVALID  # GRANTHA SIGN CANDRABINDU..GRANTHA SIGN VISAR
11305..1130C; PVALID  # GRANTHA LETTER A..GRANTHA LETTER VOCALIC L
1130F..11310; PVALID  # GRANTHA LETTER EE..GRANTHA LETTER AI
11313..11328; PVALID  # GRANTHA LETTER OO..GRANTHA LETTER NA
1132A..11333; PVALID  # GRANTHA LETTER PA..GRANTHA LETTER RA
11332..11333; PVALID  # GRANTHA LETTER LA..GRANTHA LETTER LLA
11335..11339; PVALID  # GRANTHA LETTER VA..GRANTHA LETTER HA
1133C..11344; PVALID  # GRANTHA SIGN NUKTA..GRANTHA VOWEL SIGN VOCAL
11347..11348; PVALID  # GRANTHA VOWEL SIGN EE..GRANTHA VOWEL SIGN AI
1134B..1134D; PVALID  # GRANTHA VOWEL SIGN OO..GRANTHA SIGN VIRAMA
11357; PVALID  # GRANTHA AU LENGTH MARK
1135D..11363; PVALID  # GRANTHA SIGN PLUTA..GRANTHA VOWEL SIGN VOCAL
11366..1136C; PVALID  # COMBINING GRANTHA DIGIT ZERO..COMBINING GRANTHA DIGIT NINE
11370..11374; PVALID  # COMBINING GRANTHA LETTER A..COMBINING GRANTHA LETTER H
11480..114C7; PVALID  # TIRHUTA ANJI..TIRHUTA OM
114D0..114D9; PVALID  # TIRHUTA DIGIT ZERO..TIRHUTA DIGIT NINE
11580..115B5; PVALID  # SIDDHAM LETTER A..SIDDHAM VOWEL SIGN VOCALIC
115B8..115C9; PVALID  # SIDDHAM VOWEL SIGN E..SIDDHAM END OF TEXT MARK
11600..11644; PVALID  # MODI LETTER A..MODI SIGN HUVA
11650..11659; PVALID  # MODI DIGIT ZERO..MODI DIGIT NINE
118A0..118F2; DISALLOWED  # WARANG CITI CAPITAL LETTER NGAA..WARANG CITI
118FF; PVALID  # WARANG CITI OM
11AC0..11AF8; PVALID  # PAU CIN HAU LETTER PA..PAU CIN HAU GLOTTAL S
1236F..12398; PVALID  # CUNEIFORM SIGN KAP ELAMITE..CUNEIFORM SIGN U
### Appendix B. Changes from Unicode 7.0.0 to Unicode 8.0.0

Changes from derived property value UNASSIGNED to either PVALID or DISALLOWED.

<table>
<thead>
<tr>
<th>Codepoint</th>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
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<td>08B3..08B4</td>
<td>PVALID</td>
<td>ARABIC LETTER AIN WITH THREE DOTS BELOW..ARA</td>
</tr>
<tr>
<td>08E3</td>
<td>PVALID</td>
<td>ARABIC TURNED DAMMA BELOW</td>
</tr>
<tr>
<td>0AF9</td>
<td>PVALID</td>
<td>GUJARATI LETTER ZHA</td>
</tr>
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<td>0C5A</td>
<td>PVALID</td>
<td>TELUGU LETTER RRRA</td>
</tr>
<tr>
<td>0D5F</td>
<td>PVALID</td>
<td>MALAYALAM LETTER ARCHAIC II</td>
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<tr>
<td>13F5</td>
<td>PVALID</td>
<td>CHEROKEE LETTER MV</td>
</tr>
<tr>
<td>13F8..13FD</td>
<td>DISALLOWED</td>
<td>CHEROKEE SMALL LETTER YE..CHEROKEE SMALL LET</td>
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<td>20BE</td>
<td>DISALLOWED</td>
<td>LARI SIGN</td>
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<td>218A..218B</td>
<td>DISALLOWED</td>
<td>TURNED DIGIT TWO..TURNED DIGIT THREE</td>
</tr>
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<td>2BEC..2BEF</td>
<td>DISALLOWED</td>
<td>LEFTWARDS TWO-HEADED ARROW WITH TRIANGLE ARR</td>
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<td>9FC0..9FD5</td>
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<td>&lt;CJK Ideograph&gt;..&lt;CJK Ideograph&gt;</td>
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<td>A69E</td>
<td>PVALID</td>
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<td>A78F</td>
<td>PVALID</td>
<td>LATIN LETTER SINOGLOGICAL DOT</td>
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<td>A7B2..A7B7</td>
<td>DISALLOWED</td>
<td>LATIN CAPITAL LETTER J WITH CROSSED-TAIL..LA</td>
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<td>A8FC..A8FD</td>
<td>DISALLOWED</td>
<td>DEVANAGARI SIGN SIDDHAM..DEVANAGARI JAIN OM</td>
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<td>AB60..AB63</td>
<td>PVALID</td>
<td>LATIN SMALL LETTER SAKHA YAT..LATIN SMALL LE</td>
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<td>FE2E..FE2F</td>
<td>PVALID</td>
<td>COMBINING CYRILLIC TITLO LEFT HALF..COMBININ</td>
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<td>PVALID</td>
<td>HATRAN LETTER ALEPH..HATRAN LETTER QOPH</td>
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<td>PVALID</td>
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<td>MULTANI LETTER A..MULTANI LETTER GA</td>
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<td>PVALID</td>
<td>MULTANI LETTER GHA</td>
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<td>1128A..1128D;</td>
<td>PVALID</td>
<td>MULTANI LETTER CA..MULTANI LETTER JJA</td>
</tr>
<tr>
<td>1128F..1129D;</td>
<td>PVALID</td>
<td>MULTANI LETTER NYA..MULTANI LETTER BA</td>
</tr>
<tr>
<td>1129F..112A9;</td>
<td>PVALID</td>
<td>MULTANI LETTER BHA..MULTANI SECTION MARK</td>
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<td>SIDDHAM SECTION MARK WITH TRIDENT AND U-SHAP</td>
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<td>AHOM LETTER KA..AHOM LETTER JHA</td>
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Appendix C. Changes from Unicode 8.0.0 to Unicode 9.0.0

Changes from derived property value UNASSIGNED to either PVALID or DISALLOWED.

08B6..08BD  ; PVALID  # ARABIC LETTER BEH WITH SMALL MEEM ABOVE..ARA
08D4..08E2  ; PVALID  # ARABIC SMALL HIGH WORD AR-RUB..ARABIC DISPUT
0C80       ; PVALID  # KANNADA SIGN SPACING CANDRABINDU
0D4F       ; DISALLOWED  # MALAYALAM SIGN PARA
0D54..0D56  ; PVALID  # MALAYALAM LETTER CHILLU M..MALAYALAM LETTER
0D58..0D5E  ; DISALLOWED  # MALAYALAM FRACTION ONE ONE-HUNDRED-AND-SIXTI
0D76..0D78  ; DISALLOWED  # MALAYALAM FRACTION ONE SIXTEENTH..MALAYALAM
1C80..1C88  ; DISALLOWED  # CYRILLIC SMALL LETTER ROUNDED VE..CYRILLIC S
1DFB       ; PVALID  # COMBINING DELETION MARK
23FB..23FE  ; DISALLOWED  # POWER SYMBOL..POWER SLEEP SYMBOL
2E43..2E44  ; DISALLOWED  # DASH WITH LEFT UPTURN..DOUBLE SUSPENSION MAR
A7AE       ; DISALLOWED  # LATIN CAPITAL LETTER SMALL CAPITAL I
A8C5       ; PVALID  # SAURASHTRA SIGN CANDRABINDU
1018D..1018E; DISALLOWED  # GREEK INDICATION SIGN..NOMISMA SIGN
104B0..104D3; DISALLOWED  # OSAGE CAPITAL LETTER A..OSAGE CAPITAL LETTER
104D8..104FB; PVALID  # OSAGE SMALL LETTER A..OSAGE SMALL LETTER ZHA
1123E       ; PVALID  # KHOJIKI SIGN SUKUN
11400..11459; PVALID  # NEWA LETTER A..NEWA DIGIT NINE
1145B       ; DISALLOWED  # NEWA PLACEHOLDER MARK
1145D       ; DISALLOWED  # NEWA INSERTION SIGN
11660..1166C; DISALLOWED  # MONGOLIAN BIRGA WITH ORNAMENT..MONGOLIAN TUR
11C00..11C08; PVALID  # BHAISKUKI LETTER A..BHAISKUKI LETTER VOCALIC
11C0A..11C36; PVALID  # BHAISKUKI LETTER E..BHAISKUKI VOWEL SIGN VOC
11C38..11C45; PVALID  # BHAISKUKI VOWEL SIGN E..BHAISKUKI GAP FILLER
11C50..11C6C; PVALID  # BHAISKUKI DIGIT ZERO..BHAISKUKI HUNDREDS UNI
Changes from derived property value UNASSIGNED to either PVALID or DISALLOWED.
Appendix E. Changes from Unicode 10.0.0 to Unicode 11.0.0

Changes from derived property value DISALLOWED to PVALID.

111C9 ; PVALID # SHARADA SANDHI MARK

Changes from derived property value UNASSIGNED to either PVALID or DISALLOWED.
0560 ; PVALID # ARMENIAN SMALL LETTER TURNED AYB
0588 ; PVALID # ARMENIAN SMALL LETTER YI WITH STROKE
05EF ; PVALID # HEBREW YOD TRIANGLE
07FD..07FF ; PVALID # NKO DANTAYALAN..NKO TAMAN SIGN
08D3 ; PVALID # ARABIC SMALL LOW WAW
09FE ; PVALID # BENGALI SANDHI MARK
0A76 ; DISALLOWED # GURMUKHI ABBREVIATION SIGN
0C04 ; PVALID # TELUGU SIGN COMBINING ANUSVARA ABOVE
0C84 ; DISALLOWED # KANNADA SIGN SIDDHAM
1878 ; PVALID # MONGOLIAN LETTER CHA WITH TWO DOTS
1C90..1CBA ; DISALLOWED # GEORGIAN MTAVRULI CAPITAL LETTER AN..GEORGIA
1CBB..1CBF ; DISALLOWED # GEORGIAN MTAVRULI CAPITAL LETTER AEN..GEORGI
2BD3..2BEB ; DISALLOWED # PLUTO FORM TWO..STAR WITH RIGHT HALF BLACK
2F00..2FBE ; DISALLOWED # ERIS FORM ONE..REVERSED RIGHT ANGLE
2E4A..2E4E ; DISALLOWED # DOTTED SOLIDUS..PUNCTUS ELEVATUS MARK
312F ; PVALID # BOPOMOFO LETTER NN
9FEB..9FEF ; PVALID # <CJK Ideograph>..<CJK Ideograph>
A7AF ; PVALID # LATIN LETTER SMALL CAPITAL Q
A7B8..A7B9 ; DISALLOWED # LATIN CAPITAL LETTER U WITH STROKE..LATIN SM
A8FE..A8FF ; PVALID # DEVANAGARI LETTER AY..DEVANAGARI VOWEL SIGN
10A34..10A35; PVALID # KHAROSHTHI LETTER TITA..KHAROSHTHI LETTER VH
10A48 ; DISALLOWED # KHAROSHTHI FRACTION ONE HALF
10D00..10D27; PVALID # HANIFI ROHINGYA LETTER A..HANIFI ROHINGYA SI
10D30..10D39; PVALID # HANIFI ROHINGYA DIGIT ZERO..HANIFI ROHINGYA
10F00..10F27; PVALID # OLD SODGIAN LETTER ALEPH..OLD SODGIAN LIGATU
10F30..10F59; PVALID # SODGIAN LETTER ALEPH..SODGIAN PUNCTUATION HA
110CD ; DISALLOWED # KAITHI NUMBER SIGN ABOVE
11144..11146; PVALID # CHAKMA LETTER LHAA..CHAKMA VOWEL SIGN EI
1133B ; PVALID # COMBINING BINDU BELOW
1145E ; PVALID # NEWA SANDHI MARK
1171A ; PVALID # AHOM LETTER ALTERNATE BA
11800..1183B; PVALID # DOGRA LETTER A..DOGRA ABBREVIATION SIGN
1199D ; PVALID # SOYOMBO MARK PLUTA
11D60..11D65; PVALID # GUNJALA GONDI LETTER A..GUNJALA GONDI LETTER
11D67..11D68; PVALID # GUNJALA GONDI LETTER EE..GUNJALA GONDI LETTE
11D6A..11D8E; PVALID # GUNJALA GONDI LETTER OO..GUNJALA GONDI VOWEL
11D90..11D91; PVALID # GUNJALA GONDI VOWEL SIGN EE..GUNJALA GONDI V
11D93..11D98; PVALID # GUNJALA GONDI VOWEL SIGN OO..GUNJALA GONDI O
11DA0..11DA9; PVALID # GUNJALA GONDI DIGIT ZERO..GUNJALA GONDI DIGI
11EE0..11EF8; PVALID # MAKASAR LETTER KA..MAKASAR END OF SECTION
16E40..16E9A; DISALLOWED # MEDEFAIDRIN CAPITAL LETTER M..MEDEFAIDRIN EX
187ED..187F1; PVALID # <Tangut Ideograph>..<Tangut Ideograph>
1D2E0..1D2F3; DISALLOWED # MAYAN NUMERAL ZERO..MAYAN NUMERAL NINETEEN
1D372..1D378; DISALLOWED # IDEOGRAPHIC TALLY MARK ONE..TALLY MARK FIVE
1EC71..1ECB4; DISALLOWED # INDIC SIYAQ NUMBER ONE..INDIC SIYAQ ALTERNAT
1F12F ; DISALLOWED # COPYLEFT SYMBOL
1F6F9 ; DISALLOWED # SKATEBOARD
Appendix F. Code points in Unicode Character Database (UCD) format for Unicode 11.0.0

0000..002C ; DISALLOWED # <control>..COMMA
002D ; PVALID # HYPHEN-MINUS
002E..002F ; DISALLOWED # FULL STOP..SOLIDUS
0030..0039 ; PVALID # DIGIT ZERO..DIGIT NINE
003A..0060 ; DISALLOWED # COLON..GRAVE ACCENT
0061..007A ; PVALID # LATIN SMALL LETTER A..LATIN SMALL LETTER Z
007B..00B6 ; DISALLOWED # LEFT CURLY BRACKET..PILCROW SIGN
00B7 ; CONTEXTO # MIDDLE DOT
00B8..00DE ; DISALLOWED # CEDILLA..LATIN CAPITAL LETTER THORN
00DF..00F6 ; DISALLOWED # LATIN SMALL LETTER SHARP S..LATIN SMALL LETTER
00F7 ; DISALLOWED # DIVISION SIGN
00F8..00FF ; PVALID # LATIN SMALL LETTER O WITH STROKE..LATIN SMALL
0100 ; DISALLOWED # LATIN CAPITAL LETTER A WITH MACRON
0101 ; PVALID # LATIN SMALL LETTER A WITH MACRON
0102 ; DISALLOWED # LATIN CAPITAL LETTER A WITH BREVE
0103 ; PVALID # LATIN SMALL LETTER A WITH BREVE
0104 ; DISALLOWED # LATIN CAPITAL LETTER A WITH OGONEK
0105 ; PVALID # LATIN SMALL LETTER A WITH OGONEK
0106 ; DISALLOWED # LATIN CAPITAL LETTER C WITH ACUTE
0107 ; PVALID # LATIN SMALL LETTER C WITH ACUTE
0108 ; DISALLOWED # LATIN CAPITAL LETTER C WITH CIRCUMFLEX
0109 ; PVALID # LATIN SMALL LETTER C WITH CIRCUMFLEX
010A ; DISALLOWED # LATIN CAPITAL LETTER C WITH DOT ABOVE
010B ; PVALID # LATIN SMALL LETTER C WITH DOT ABOVE
010C ; DISALLOWED # LATIN CAPITAL LETTER C WITH CARON
010D ; PVALID # LATIN SMALL LETTER C WITH CARON
010E ; DISALLOWED # LATIN CAPITAL LETTER D WITH CARON
010F ; PVALID # LATIN SMALL LETTER D WITH CARON
0110 ; DISALLOWED # LATIN CAPITAL LETTER D WITH STROKE
0111 ; PVALID # LATIN SMALL LETTER D WITH STROKE
0112 ; DISALLOWED # LATIN CAPITAL LETTER E WITH MACRON
0113 ; PVALID # LATIN SMALL LETTER E WITH MACRON
0114 ; DISALLOWED # LATIN CAPITAL LETTER E WITH BREVE
0115 ; PVALID # LATIN SMALL LETTER E WITH BREVE

Internet-Draft IDNA2008 and Unicode 11 September 2018
0116 ; DISALLOWED # LATIN CAPITAL LETTER E WITH DOT ABOVE
0117 ; PVALID # LATIN SMALL LETTER E WITH DOT ABOVE
0118 ; DISALLOWED # LATIN CAPITAL LETTER E WITH OGONEK
0119 ; PVALID # LATIN SMALL LETTER E WITH OGONEK
011A ; DISALLOWED # LATIN CAPITAL LETTER E WITH CARON
011B ; PVALID # LATIN SMALL LETTER E WITH CARON
011C ; DISALLOWED # LATIN CAPITAL LETTER G WITH CIRCUMFLEX
011D ; PVALID # LATIN SMALL LETTER G WITH CIRCUMFLEX
011E ; DISALLOWED # LATIN CAPITAL LETTER G WITH BREVE
011F ; PVALID # LATIN SMALL LETTER G WITH BREVE
0120 ; DISALLOWED # LATIN CAPITAL LETTER G WITH DOT ABOVE
0121 ; PVALID # LATIN SMALL LETTER G WITH DOT ABOVE
0122 ; DISALLOWED # LATIN CAPITAL LETTER G WITH CEDILLA
0123 ; PVALID # LATIN SMALL LETTER G WITH CEDILLA
0124 ; DISALLOWED # LATIN CAPITAL LETTER H WITH CIRCUMFLEX
0125 ; PVALID # LATIN SMALL LETTER H WITH CIRCUMFLEX
0126 ; DISALLOWED # LATIN CAPITAL LETTER H WITH STROKE
0127 ; PVALID # LATIN SMALL LETTER H WITH STROKE
0128 ; DISALLOWED # LATIN CAPITAL LETTER I WITH TILDE
0129 ; PVALID # LATIN SMALL LETTER I WITH TILDE
012A ; DISALLOWED # LATIN CAPITAL LETTER I WITH MACRON
012B ; PVALID # LATIN SMALL LETTER I WITH MACRON
012C ; DISALLOWED # LATIN CAPITAL LETTER I WITH BREVE
012D ; PVALID # LATIN SMALL LETTER I WITH BREVE
012E ; DISALLOWED # LATIN CAPITAL LETTER I WITH OGONEK
012F ; PVALID # LATIN SMALL LETTER I WITH OGONEK
0130 ; DISALLOWED # LATIN CAPITAL LETTER I WITH DOT ABOVE
0131 ; PVALID # LATIN SMALL LETTER DOTLESS I
0132..0134 ; DISALLOWED # LATIN CAPITAL LIGATURE IJ..LATIN CAPITAL LET
0135 ; PVALID # LATIN SMALL LETTER J WITH CIRCUMFLEX
0136 ; DISALLOWED # LATIN CAPITAL LETTER K WITH CEDILLA
0137..0138 ; PVALID # LATIN SMALL LETTER K WITH CEDILLA..LATIN SMA
0139 ; DISALLOWED # LATIN CAPITAL LETTER L WITH ACUTE
013A ; PVALID # LATIN SMALL LETTER L WITH ACUTE
013B ; DISALLOWED # LATIN CAPITAL LETTER L WITH CEDILLA
013C ; PVALID # LATIN SMALL LETTER L WITH CEDILLA
013D ; DISALLOWED # LATIN CAPITAL LETTER L WITH CARON
013E ; PVALID # LATIN SMALL LETTER L WITH CARON
013F..0141 ; DISALLOWED # LATIN CAPITAL LETTER L WITH MIDDLE DOT..LATI
0142 ; PVALID # LATIN SMALL LETTER L WITH STROKE
0143 ; DISALLOWED # LATIN CAPITAL LETTER N WITH ACUTE
0144 ; PVALID # LATIN SMALL LETTER N WITH ACUTE
0145 ; DISALLOWED # LATIN CAPITAL LETTER N WITH CEDILLA
0146 ; PVALID # LATIN SMALL LETTER N WITH CEDILLA
0147 ; DISALLOWED # LATIN CAPITAL LETTER N WITH CARON
0148 ; PVALID # LATIN SMALL LETTER N WITH CARON
0149..014A ; DISALLOWED # LATIN SMALL LETTER N PRECEDED BY APOSTROPHE.
014B ; PVALID # LATIN SMALL LETTER ENG
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017E  ; PVALID   # LATIN SMALL LETTER Z WITH CARON
017F  ; DISALLOWED # LATIN SMALL LETTER LONG S
0180  ; PVALID   # LATIN SMALL LETTER B WITH STROKE
0181..0182 ; DISALLOWED # LATIN CAPITAL LETTER B WITH HOOK..LATIN CAPI
0183  ; PVALID   # LATIN SMALL LETTER B WITH TOPBAR
0184  ; DISALLOWED # LATIN CAPITAL LETTER TONE SIX
0185  ; PVALID   # LATIN SMALL LETTER TONE SIX
0186..0187 ; DISALLOWED # LATIN CAPITAL LETTER OPEN O..LATIN CAPITAL L
0188  ; PVALID   # LATIN SMALL LETTER C WITH HOOK
0189..018B ; DISALLOWED # LATIN CAPITAL LETTER AFRICAN D..LATIN CAPITA
018C..018D ; PVALID   # LATIN SMALL LETTER D WITH TOPBAR..LATIN SMAL
018E..0191 ; DISALLOWED # LATIN CAPITAL LETTER REVERSED E..LATIN CAPIT
0192  ; PVALID   # LATIN SMALL LETTER F WITH HOOK
0193..0194 ; DISALLOWED # LATIN CAPITAL LETTER G WITH HOOK..LATIN CAPI
0195  ; PVALID   # LATIN SMALL LETTER HV
0196..0198 ; DISALLOWED # LATIN CAPITAL LETTER IOTA..LATIN CAPITAL LET
0199..019B ; PVALID   # LATIN SMALL LETTER K WITH HOOK..LATIN SMALL
019C..019D ; DISALLOWED # LATIN CAPITAL LETTER TURNED M..LATIN CAPITAL
019E  ; PVALID   # LATIN SMALL LETTER N WITH LONG RIGHT LEG
019F..01A0 ; DISALLOWED # LATIN CAPITAL LETTER O WITH MIDDLE TILDE..LA
01A1  ; PVALID   # LATIN SMALL LETTER O WITH HORN
01A2  ; DISALLOWED # LATIN CAPITAL LETTER OI
01A3  ; PVALID   # LATIN SMALL LETTER OI
01A4  ; DISALLOWED # LATIN CAPITAL LETTER P WITH HOOK
01A5  ; PVALID   # LATIN SMALL LETTER P WITH HOOK
01A6..01A7 ; DISALLOWED # LATIN LETTER YR..LATIN CAPITAL LETTER TONE T
01A8  ; PVALID   # LATIN SMALL LETTER TONE TWO
01A9  ; DISALLOWED # LATIN CAPITAL LETTER ESH
01AA..01AB ; PVALID   # LATIN LETTER REVERSED ESH LOOP..LATIN SMALL
01AC  ; DISALLOWED # LATIN CAPITAL LETTER T WITH HOOK
01AD  ; PVALID   # LATIN SMALL LETTER T WITH HOOK
01AE..01AF ; DISALLOWED # LATIN CAPITAL LETTER T WITH RETROFLEX HOOK..
01B0  ; PVALID   # LATIN SMALL LETTER U WITH HORN
01B1..01B3 ; DISALLOWED # LATIN CAPITAL LETTER UPSILON..LATIN CAPITAL
01B4  ; PVALID   # LATIN SMALL LETTER Y WITH HOOK
01B5  ; DISALLOWED # LATIN CAPITAL LETTER Z WITH STROKE
01B6  ; PVALID   # LATIN SMALL LETTER Z WITH STROKE
01B7..01B8 ; DISALLOWED # LATIN CAPITAL LETTER EZH..LATIN CAPITAL LETT
01B9..01BB ; PVALID   # LATIN SMALL LETTER EZH REVERSED..LATIN LETTE
01BC  ; DISALLOWED # LATIN CAPITAL LETTER TONE FIVE
01BD..01C3 ; PVALID   # LATIN SMALL LETTER TONE FIVE..LATIN LETTER R
01C4..01CD ; DISALLOWED # LATIN CAPITAL LETTER DZ WITH CARON..LATIN CA
01CE  ; PVALID   # LATIN SMALL LETTER A WITH CARON
01CF  ; DISALLOWED # LATIN CAPITAL LETTER I WITH CARON
01D0  ; PVALID   # LATIN SMALL LETTER I WITH CARON
01D1  ; DISALLOWED # LATIN CAPITAL LETTER O WITH CARON
01D2  ; PVALID   # LATIN SMALL LETTER O WITH CARON
01D3        ; DISALLOWED  # LATIN CAPITAL LETTER U WITH CARON
01D4        ; PVALID      # LATIN SMALL LETTER U WITH CARON
01D5        ; DISALLOWED  # LATIN CAPITAL LETTER U WITH DIAERESIS AND MA
01D6        ; PVALID      # LATIN SMALL LETTER U WITH DIAERESIS AND MACR
01D7        ; DISALLOWED  # LATIN CAPITAL LETTER U WITH DIAERESIS AND AC
01D8        ; PVALID      # LATIN SMALL LETTER U WITH DIAERESIS AND ACUT
01D9        ; DISALLOWED  # LATIN CAPITAL LETTER U WITH DIAERESIS AND CA
01DA        ; PVALID      # LATIN SMALL LETTER U WITH DIAERESIS AND CARO
01DB        ; DISALLOWED  # LATIN CAPITAL LETTER U WITH DIAERESIS AND GR
01DC..01DD  ; PVALID      # LATIN SMALL LETTER U WITH DIAERESIS AND GRAV
01DE        ; DISALLOWED  # LATIN CAPITAL LETTER A WITH DIAERESIS AND MA
01DF        ; PVALID      # LATIN SMALL LETTER A WITH DIAERESIS AND MACR
01E0        ; DISALLOWED  # LATIN CAPITAL LETTER A WITH DOT ABOVE AND MA
01E1        ; PVALID      # LATIN SMALL LETTER A WITH DOT ABOVE AND MACR
01E2        ; DISALLOWED  # LATIN CAPITAL LETTER AE WITH MACRON
01E3        ; PVALID      # LATIN SMALL LETTER AE WITH MACRON
01E4        ; DISALLOWED  # LATIN CAPITAL LETTER G WITH STROKE
01E5        ; PVALID      # LATIN SMALL LETTER G WITH STROKE
01E6        ; DISALLOWED  # LATIN CAPITAL LETTER G WITH CARON
01E7        ; PVALID      # LATIN SMALL LETTER G WITH CARON
01E8        ; DISALLOWED  # LATIN CAPITAL LETTER K WITH CARON
01E9        ; PVALID      # LATIN SMALL LETTER K WITH CARON
01EA        ; DISALLOWED  # LATIN CAPITAL LETTER O WITH OGONEK
01EB        ; PVALID      # LATIN SMALL LETTER O WITH OGONEK
01EC        ; DISALLOWED  # LATIN CAPITAL LETTER O WITH OGONEK AND MACRO
01ED        ; PVALID      # LATIN SMALL LETTER O WITH OGONEK AND MACRON
01EE        ; DISALLOWED  # LATIN CAPITAL LETTER EZH WITH CARON
01EF..01F0  ; PVALID      # LATIN SMALL LETTER EZH WITH CARON..LATIN SMALL SMA
01F1..01F4  ; DISALLOWED  # LATIN CAPITAL LETTER DZ..LATIN CAPITAL LETTE
01F5        ; PVALID      # LATIN SMALL LETTER G WITH ACUTE
01F6..01F8  ; DISALLOWED  # LATIN CAPITAL LETTER HWAIR..LATIN CAPITAL LE
01F9        ; PVALID      # LATIN SMALL LETTER N WITH GRAVE
01FA        ; DISALLOWED  # LATIN CAPITAL LETTER A WITH RING ABOVE AND A
01FB        ; PVALID      # LATIN SMALL LETTER A WITH RING ABOVE AND ACU
01FC        ; DISALLOWED  # LATIN CAPITAL LETTER AE WITH ACUTE
01FD        ; PVALID      # LATIN SMALL LETTER AE WITH ACUTE
01FE        ; DISALLOWED  # LATIN CAPITAL LETTER O WITH STROKE AND ACUTE
01FF        ; PVALID      # LATIN SMALL LETTER O WITH STROKE AND ACUTE
0200        ; DISALLOWED  # LATIN CAPITAL LETTER A WITH DOUBLE GRAVE
0201        ; PVALID      # LATIN SMALL LETTER A WITH DOUBLE GRAVE
0202        ; DISALLOWED  # LATIN CAPITAL LETTER A WITH INVERTED BREVE
0203        ; PVALID      # LATIN SMALL LETTER A WITH INVERTED BREVE
0204        ; DISALLOWED  # LATIN CAPITAL LETTER E WITH DOUBLE GRAVE
0205        ; PVALID      # LATIN SMALL LETTER E WITH DOUBLE GRAVE
0206        ; DISALLOWED  # LATIN CAPITAL LETTER E WITH INVERTED BREVE
0207        ; PVALID      # LATIN SMALL LETTER E WITH INVERTED BREVE
0208        ; DISALLOWED  # LATIN CAPITAL LETTER I WITH DOUBLE GRAVE
0209        ; PVALID      # LATIN SMALL LETTER I WITH DOUBLE GRAVE
020A  ; DISALLOWED  # LATIN CAPITAL LETTER I WITH INVERTED BREVE
020B  ; PVALID  # LATIN SMALL LETTER I WITH INVERTED BREVE
020C  ; DISALLOWED  # LATIN CAPITAL LETTER O WITH DOUBLE GRAVE
020D  ; PVALID  # LATIN SMALL LETTER O WITH DOUBLE GRAVE
020E  ; DISALLOWED  # LATIN CAPITAL LETTER O WITH INVERTED BREVE
020F  ; PVALID  # LATIN SMALL LETTER O WITH INVERTED BREVE
0210  ; DISALLOWED  # LATIN CAPITAL LETTER R WITH DOUBLE GRAVE
0211  ; PVALID  # LATIN SMALL LETTER R WITH DOUBLE GRAVE
0212  ; DISALLOWED  # LATIN CAPITAL LETTER R WITH INVERTED BREVE
0213  ; PVALID  # LATIN SMALL LETTER R WITH INVERTED BREVE
0214  ; DISALLOWED  # LATIN CAPITAL LETTER U WITH DOUBLE GRAVE
0215  ; PVALID  # LATIN SMALL LETTER U WITH DOUBLE GRAVE
0216  ; DISALLOWED  # LATIN CAPITAL LETTER U WITH INVERTED BREVE
0217  ; PVALID  # LATIN SMALL LETTER U WITH INVERTED BREVE
0218  ; DISALLOWED  # LATIN CAPITAL LETTER S WITH COMMA BELOW
0219  ; PVALID  # LATIN SMALL LETTER S WITH COMMA BELOW
021A  ; DISALLOWED  # LATIN CAPITAL LETTER T WITH COMMA BELOW
021B  ; PVALID  # LATIN SMALL LETTER T WITH COMMA BELOW
021C  ; DISALLOWED  # LATIN CAPITAL LETTER YOGH
021D  ; PVALID  # LATIN SMALL LETTER YOGH
021E  ; DISALLOWED  # LATIN CAPITAL LETTER H WITH CARON
021F  ; PVALID  # LATIN SMALL LETTER H WITH CARON
0220  ; DISALLOWED  # LATIN CAPITAL LETTER N WITH LONG RIGHT LEG
0221  ; PVALID  # LATIN SMALL LETTER D WITH CURL
0222  ; DISALLOWED  # LATIN CAPITAL LETTER OU
0223  ; PVALID  # LATIN SMALL LETTER OU
0224  ; DISALLOWED  # LATIN CAPITAL LETTER Z WITH HOOK
0225  ; PVALID  # LATIN SMALL LETTER Z WITH HOOK
0226  ; DISALLOWED  # LATIN CAPITAL LETTER A WITH DOT ABOVE
0227  ; PVALID  # LATIN SMALL LETTER A WITH DOT ABOVE
0228  ; DISALLOWED  # LATIN CAPITAL LETTER E WITH CEDILLA
0229  ; PVALID  # LATIN SMALL LETTER E WITH CEDILLA
022A  ; DISALLOWED  # LATIN CAPITAL LETTER O WITH DIAERESIS AND MA
022B  ; PVALID  # LATIN SMALL LETTER O WITH DIAERESIS AND MACR
022C  ; DISALLOWED  # LATIN CAPITAL LETTER O WITH TILDE AND MACRON
022D  ; PVALID  # LATIN SMALL LETTER O WITH TILDE AND MACRON
022E  ; DISALLOWED  # LATIN CAPITAL LETTER O WITH DOT ABOVE
022F  ; PVALID  # LATIN SMALL LETTER O WITH DOT ABOVE
0230  ; DISALLOWED  # LATIN CAPITAL LETTER O WITH DOT ABOVE AND MA
0231  ; PVALID  # LATIN SMALL LETTER O WITH DOT ABOVE AND MACR
0232  ; DISALLOWED  # LATIN CAPITAL LETTER Y WITH MACRON
0233..0239 ; PVALID  # LATIN SMALL LETTER Y WITH MACRON..LATIN SMALL LETTER Y WITH MACRON
023A..023B ; DISALLOWED  # LATIN CAPITAL LETTER A WITH STROKE..LATIN CAPITAL LETTER A WITH STROKE
023C  ; PVALID  # LATIN SMALL LETTER C WITH STROKE
023D..023E ; DISALLOWED  # LATIN CAPITAL LETTER L WITH BAR..LATIN CAPITAL LETTER L WITH BAR
023F..0240 ; PVALID  # LATIN SMALL LETTER S WITH SWASH TAIL..LATIN SMALL LETTER S WITH SWASH TAIL
0241  ; DISALLOWED  # LATIN CAPITAL LETTER GLOTTAL STOP
0242  ; PVALID  # LATIN SMALL LETTER GLOTTAL STOP
0243..0246 ; DISALLOWED # LATIN CAPITAL LETTER B WITH STROKE..LATIN CA
0247 ; PVALID # LATIN SMALL LETTER E WITH STROKE
0248 ; DISALLOWED # LATIN CAPITAL LETTER J WITH STROKE
0249 ; PVALID # LATIN SMALL LETTER J WITH STROKE
024A ; DISALLOWED # LATIN CAPITAL LETTER SMALL Q WITH HOOK TAIL
024B ; PVALID # LATIN SMALL LETTER Q WITH HOOK TAIL
024C ; DISALLOWED # LATIN CAPITAL LETTER R WITH STROKE
024D ; PVALID # LATIN SMALL LETTER R WITH STROKE
024E ; DISALLOWED # LATIN CAPITAL LETTER Y WITH STROKE
024F..02AF ; PVALID # LATIN SMALL LETTER Y WITH STROKE..LATIN SMAL
02B0..02B8 ; DISALLOWED # MODIFIER LETTER SMALL H..MODIFIER LETTER SMA
02B9..02C1 ; PVALID # MODIFIER LETTER PRIME..MODIFIER LETTER REVER
02C2..02C5 ; DISALLOWED # MODIFIER LETTER LEFT ARROWHEAD..MODIFIER LET
02C6..02D1 ; PVALID # MODIFIER LETTER CIRCUMFLEX ACCENT..MODIFIER LET
02D2..02EB ; DISALLOWED # MODIFIER LETTER CENTRED RIGHT HALF RING..MOD
02EC ; PVALID # MODIFIER LETTER VOICING
02ED ; DISALLOWED # MODIFIER LETTER UNASPIRATED
02EE ; PVALID # MODIFIER LETTER DOUBLE APOSTROPHE
02EF..02FF ; DISALLOWED # MODIFIER LETTER LOW DOWN ARROWHEAD..MODIFIER LET
0300..033F ; PVALID # COMBINING GRAVE ACCENT..COMBINING DOUBLE OVE
0340..0341 ; DISALLOWED # COMBINING GRAVE TONE MARK..COMBINING ACUTE T O
0342 ; PVALID # COMBINING GREEK PERISPOMENI
0343..0345 ; DISALLOWED # COMBINING GREEK KORONIS..COMBINING GREEK YPO
0346..034E ; PVALID # COMBINING BRIDGE ABOVE..COMBINING UPWARDS AR
034F ; DISALLOWED # COMBINING GRAPHEME JOINER
0350..036F ; PVALID # COMBINING RIGHT ARROWHEAD ABOVE..COMBINING L
0370 ; DISALLOWED # GREEK CAPITAL LETTER HETA
0371 ; PVALID # GREEK SMALL LETTER HETA
0372 ; DISALLOWED # GREEK CAPITAL LETTER ARCHAIC SAMPI
0373 ; PVALID # GREEK SMALL LETTER ARCHAIC SAMPI
0374 ; DISALLOWED # GREEK NUMERAL SIGN
0375 ; CONTEXTO # GREEK LOWER NUMERAL SIGN
0376 ; DISALLOWED # GREEK CAPITAL LETTER PAMPHYLIAN DIGAMMA
0377 ; PVALID # GREEK SMALL LETTER PAMPHYLIAN DIGAMMA
0378..0379 ; UNASSIGNED # <reserved>..<reserved>
037A ; DISALLOWED # GREEK YPOGEGRAMMENI
037B..037D ; PVALID # GREEK SMALL REVERSED LUNATE SIGMA SYMBOL..GR
037E..037F ; DISALLOWED # GREEK QUESTION MARK..GREEK CAPITAL LETTER YO
0380..0383 ; UNASSIGNED # <reserved>..<reserved>
0384..038A ; DISALLOWED # GREEK TONOS..GREEK CAPITAL LETTER IOTA WITH TONOS
038B ; UNASSIGNED # <reserved>
038C ; DISALLOWED # GREEK CAPITAL LETTER OOMICRON WITH TONOS
038D ; UNASSIGNED # <reserved>
038E..038F ; DISALLOWED # GREEK CAPITAL LETTER UPSILON WITH TONOS..GRE
0390 ; PVALID # GREEK SMALL LETTER IOTA WITH DIA LyTIKA AND T
0391..03A1 ; DISALLOWED # GREEK CAPITAL LETTER ALPHA..GREEK CAPITAL LE
03A2 ; UNASSIGNED # <reserved>
03A3..03AB ; DISALLOWED # GREEK CAPITAL LETTER SIGMA..GREEK CAPITAL LE
03AC..03CE  ; PVALID       # GREEK SMALL LETTER ALPHA WITH TONOS..GREEK S
03CF..03D6  ; DISALLOWED  # GREEK CAPITAL KAI SYMBOL..GREEK PI SYMBOL
03D7        ; PVALID       # GREEK KAI SYMBOL
03D8        ; DISALLOWED  # GREEK LETTER ARCHAIC KOPPA
03D9        ; PVALID       # GREEK SMALL LETTER ARCHAIC KOPPA
03DA        ; DISALLOWED  # GREEK LETTER STIGMA
03DB        ; PVALID       # GREEK SMALL LETTER STIGMA
03DC        ; DISALLOWED  # GREEK LETTER DIGAMMA
03DD        ; PVALID       # GREEK SMALL LETTER DIGAMMA
03DE        ; DISALLOWED  # GREEK LETTER KOPPA
03DF        ; PVALID       # GREEK SMALL LETTER KOPPA
03E0        ; DISALLOWED  # GREEK LETTER SAMPI
03E1        ; PVALID       # GREEK SMALL LETTER SAMPI
03E2        ; DISALLOWED  # COPTIC CAPITAL LETTER SHEI
03E3        ; PVALID       # COPTIC SMALL LETTER SHEI
03E4        ; DISALLOWED  # COPTIC CAPITAL LETTER FEI
03E5        ; PVALID       # COPTIC SMALL LETTER FEI
03E6        ; DISALLOWED  # COPTIC CAPITAL LETTER KHEI
03E7        ; PVALID       # COPTIC SMALL LETTER KHEI
03E8        ; DISALLOWED  # COPTIC CAPITAL LETTER HORI
03E9        ; PVALID       # COPTIC SMALL LETTER HORI
03EA        ; DISALLOWED  # COPTIC CAPITAL LETTER GANGIA
03EB        ; PVALID       # COPTIC SMALL LETTER GANGIA
03EC        ; DISALLOWED  # COPTIC CAPITAL LETTER SHIMA
03ED        ; PVALID       # COPTIC SMALL LETTER SHIMA
03EE        ; DISALLOWED  # COPTIC CAPITAL LETTER DEI
03EF        ; PVALID       # COPTIC SMALL LETTER DEI
03F0..03F2  ; DISALLOWED  # GREEK KAPPA SYMBOL..GREEK LUNATE SIGMA SYMBOL
03F3        ; PVALID       # GREEK LETTER YOT
03F4..03F7  ; DISALLOWED  # GREEK CAPITAL THETA SYMBOL..GREEK CAPITAL L
03F8        ; PVALID       # GREEK SMALL LETTER SHO
03F9..03FA  ; DISALLOWED  # GREEK CAPITAL LUNATE SIGMA SYMBOL..GREEK CAP
03FB..03FC  ; PVALID       # GREEK SMALL LETTER SAN..GREEK RHO WITH STROK
03FD..042F  ; DISALLOWED  # GREEK CAPITAL REVERSED LUNATE SIGMA SYMBOL...
0430..045F  ; PVALID       # CYRILLIC SMALL LETTER A..CYRILLIC SMALL LETT
0460        ; DISALLOWED  # CYRILLIC CAPITAL LETTER OMEGA
0461        ; PVALID       # CYRILLIC SMALL LETTER OMEGA
0462        ; DISALLOWED  # CYRILLIC CAPITAL LETTER YAT
0463        ; PVALID       # CYRILLIC SMALL LETTER YAT
0464        ; DISALLOWED  # CYRILLIC CAPITAL LETTER IOTIFIED E
0465        ; PVALID       # CYRILLIC SMALL LETTER IOTIFIED E
0466        ; DISALLOWED  # CYRILLIC CAPITAL LETTER LITTLE YUS
0467        ; PVALID       # CYRILLIC SMALL LETTER LITTLE YUS
0468        ; DISALLOWED  # CYRILLIC CAPITAL LETTER IOTIFIED LITTLE YUS
0469        ; PVALID       # CYRILLIC SMALL LETTER IOTIFIED LITTLE YUS
046A        ; DISALLOWED  # CYRILLIC CAPITAL LETTER BIG YUS
046B        ; PVALID       # CYRILLIC SMALL LETTER BIG YUS
046C        ; DISALLOWED  # CYRILLIC CAPITAL LETTER IOTIFIED BIG YUS
046D ; PVALID # CYRILLIC SMALL LETTER IOTIFIED BIG YUS
046E ; DISALLOWED # CYRILLIC CAPITAL LETTER KSI
046F ; PVALID # CYRILLIC SMALL LETTER KSI
0470 ; DISALLOWED # CYRILLIC CAPITAL LETTER PSI
0471 ; PVALID # CYRILLIC SMALL LETTER PSI
0472 ; DISALLOWED # CYRILLIC CAPITAL LETTER FITA
0473 ; PVALID # CYRILLIC SMALL LETTER FITA
0474 ; DISALLOWED # CYRILLIC CAPITAL LETTER IZHITSA
0475 ; PVALID # CYRILLIC SMALL LETTER IZHITSA
0476 ; DISALLOWED # CYRILLIC CAPITAL LETTER IZHITSA WITH DOUBLE GR
0477 ; PVALID # CYRILLIC SMALL LETTER IZHITSA WITH DOUBLE GR
0478 ; DISALLOWED # CYRILLIC CAPITAL LETTER UK
0479 ; PVALID # CYRILLIC SMALL LETTER UK
047A ; DISALLOWED # CYRILLIC CAPITAL LETTER ROUND OMEGA
047B ; PVALID # CYRILLIC SMALL LETTER ROUND OMEGA
047C ; DISALLOWED # CYRILLIC CAPITAL LETTER OMEGA WITH TITLO
047D ; PVALID # CYRILLIC SMALL LETTER OMEGA WITH TITLO
047E ; DISALLOWED # CYRILLIC CAPITAL LETTER OT
047F ; PVALID # CYRILLIC SMALL LETTER OT
0480 ; DISALLOWED # CYRILLIC CAPITAL LETTER KOPPA
0481 ; PVALID # CYRILLIC SMALL LETTER KOPPA
0482 ; DISALLOWED # CYRILLIC THOUSANDS SIGN
0483..0487 ; PVALID # COMBINING CYRILLIC TITLO..COMBINING CYRILLIC
0488..048A ; DISALLOWED # COMBINING CYRILLIC HUNDRED THOUSANDS SIGN..C
048B ; PVALID # CYRILLIC SMALL LETTER SHORT I WITH TAIL
048C ; DISALLOWED # CYRILLIC CAPITAL LETTER SEMISOFT SIGN
048D ; PVALID # CYRILLIC SMALL LETTER SEMISOFT SIGN
048E ; DISALLOWED # CYRILLIC CAPITAL LETTER ER WITH TICK
048F ; PVALID # CYRILLIC SMALL LETTER ER WITH TICK
0490 ; DISALLOWED # CYRILLIC CAPITAL LETTER GHE WITH UPTURN
0491 ; PVALID # CYRILLIC SMALL LETTER GHE WITH UPTURN
0492 ; DISALLOWED # CYRILLIC CAPITAL LETTER GHE WITH STROKE
0493 ; PVALID # CYRILLIC SMALL LETTER GHE WITH STROKE
0494 ; DISALLOWED # CYRILLIC CAPITAL LETTER GHE WITH MIDDLE HOOK
0495 ; PVALID # CYRILLIC SMALL LETTER GHE WITH MIDDLE HOOK
0496 ; DISALLOWED # CYRILLIC CAPITAL LETTER ZHE WITH DESCENDER
0497 ; PVALID # CYRILLIC SMALL LETTER ZHE WITH DESCENDER
0498 ; DISALLOWED # CYRILLIC CAPITAL LETTER ZE WITH DESCENDER
0499 ; PVALID # CYRILLIC SMALL LETTER ZE WITH DESCENDER
049A ; DISALLOWED # CYRILLIC CAPITAL LETTER KA WITH DESCENDER
049B ; PVALID # CYRILLIC SMALL LETTER KA WITH DESCENDER
049C ; DISALLOWED # CYRILLIC CAPITAL LETTER KA WITH VERTICAL STR
049D ; PVALID # CYRILLIC SMALL LETTER KA WITH VERTICAL STROK
049E ; DISALLOWED # CYRILLIC CAPITAL LETTER KA WITH STROKE
049F ; PVALID # CYRILLIC SMALL LETTER KA WITH STROKE
04A0 ; DISALLOWED # CYRILLIC CAPITAL LETTER BASHKIR KA
04A1 ; PVALID # CYRILLIC SMALL LETTER BASHKIR KA
04A2 ; DISALLOWED # CYRILLIC CAPITAL LETTER EN WITH DESCENDER
04A3  ; PVALID   # CYRILLIC SMALL LETTER EN WITH DESCENDER
04A4  ; DISALLOWED # CYRILLIC CAPITAL LIGATURE EN GHE
04A5  ; PVALID   # CYRILLIC SMALL LIGATURE EN GHE
04A6  ; DISALLOWED # CYRILLIC CAPITAL LETTER PE WITH MIDDLE HOOK
04A7  ; PVALID   # CYRILLIC SMALL LETTER PE WITH MIDDLE HOOK
04A8  ; DISALLOWED # CYRILLIC CAPITAL LETTER ABKHASIAN HA
04A9  ; PVALID   # CYRILLIC SMALL LETTER ABKHASIAN HA
04AA  ; DISALLOWED # CYRILLIC SMALL LIGATURE EN GHE
04AB  ; DISALLOWED # CYRILLIC CAPITAL LETTER ES WITH DESCENDER
04AC  ; PVALID   # CYRILLIC SMALL LETTER ES WITH DESCENDER
04AD  ; DISALLOWED # CYRILLIC CAPITAL LETTER TE WITH DESCENDER
04AE  ; PVALID   # CYRILLIC SMALL LETTER TE WITH DESCENDER
04AF  ; DISALLOWED # CYRILLIC CAPITAL LETTER STRAIGHT U
04B0  ; PVALID   # CYRILLIC SMALL LETTER STRAIGHT U
04B1  ; DISALLOWED # CYRILLIC CAPITAL LETTER STRAIGHT U WITH STROKE
04B2  ; PVALID   # CYRILLIC SMALL LETTER STRAIGHT U WITH STROKE
04B3  ; DISALLOWED # CYRILLIC CAPITAL LETTER HA WITH DESCENDER
04B4  ; PVALID   # CYRILLIC SMALL LETTER HA WITH DESCENDER
04B5  ; DISALLOWED # CYRILLIC CAPITAL LIGATURE TE TSE
04B6  ; PVALID   # CYRILLIC SMALL LIGATURE TE TSE
04B7  ; DISALLOWED # CYRILLIC CAPITAL LETTER CHE WITH DESCENDER
04B8  ; PVALID   # CYRILLIC SMALL LETTER CHE WITH DESCENDER
04B9  ; DISALLOWED # CYRILLIC CAPITAL LETTER CHE WITH VERTICAL STROKE
04BA  ; PVALID   # CYRILLIC SMALL LETTER CHE WITH VERTICAL STROKE
04BB  ; DISALLOWED # CYRILLIC CAPITAL LETTER SHHA
04BC  ; PVALID   # CYRILLIC SMALL LETTER SHHA
04BD  ; DISALLOWED # CYRILLIC CAPITAL LETTER ABKHASIAN CHE
04BE  ; PVALID   # CYRILLIC SMALL LETTER ABKHASIAN CHE
04BF  ; DISALLOWED # CYRILLIC CAPITAL LETTER ABKHASIAN CHE WITH D
04C0..04C1 ; DISALLOWED # CYRILLIC LETTER PALOCHKA..CYRILLIC CAPITAL LETTER SHHA
04C2  ; PVALID   # CYRILLIC SMALL LETTER ZHE WITH BREVE
04C3  ; DISALLOWED # CYRILLIC CAPITAL LETTER KA WITH HOOK
04C4  ; PVALID   # CYRILLIC SMALL LETTER KA WITH HOOK
04C5  ; DISALLOWED # CYRILLIC CAPITAL LETTER EL WITH TAIL
04C6  ; PVALID   # CYRILLIC SMALL LETTER EL WITH TAIL
04C7  ; DISALLOWED # CYRILLIC CAPITAL LETTER EN WITH HOOK
04C8  ; PVALID   # CYRILLIC SMALL LETTER EN WITH HOOK
04C9  ; DISALLOWED # CYRILLIC CAPITAL LETTER EN WITH TAIL
04CA  ; PVALID   # CYRILLIC SMALL LETTER EN WITH TAIL
04CB  ; DISALLOWED # CYRILLIC CAPITAL LETTER KHAKASSIAN CHE
04CC  ; PVALID   # CYRILLIC SMALL LETTER KHAKASSIAN CHE
04CD  ; DISALLOWED # CYRILLIC CAPITAL LETTER EM WITH TAIL
04CE..04CF ; PVALID # CYRILLIC SMALL LETTER EM WITH TAIL
04D0  ; DISALLOWED # CYRILLIC CAPITAL LETTER A WITH BREVE
04D1  ; PVALID   # CYRILLIC SMALL LETTER A WITH BREVE
04D2  ; DISALLOWED # CYRILLIC CAPITAL LETTER A WITH DIAERESIS
04D3  ; PVALID   # CYRILLIC SMALL LETTER A WITH DIAERESIS
04D4  ; DISALLOWED # CYRILLIC CAPITAL LIGATURE A IE
04D5  ; PVALID     # CYRILLIC SMALL LIGATURE A IE  
04D6  ; DISALLOWED # CYRILLIC CAPITAL LETTER IE WITH BREVE  
04D7  ; PVALID     # CYRILLIC SMALL LETTER IE WITH BREVE  
04D8  ; DISALLOWED # CYRILLIC CAPITAL LETTER SCHWA  
04D9  ; PVALID     # CYRILLIC SMALL LETTER SCHWA  
04DA  ; DISALLOWED # CYRILLIC CAPITAL LETTER SCHWA WITH DIAERESIS  
04DB  ; PVALID     # CYRILLIC SMALL LETTER SCHWA WITH DIAERESIS  
04DC  ; DISALLOWED # CYRILLIC CAPITAL LETTER ZHE WITH DIAERESIS  
04DD  ; PVALID     # CYRILLIC SMALL LETTER ZHE WITH DIAERESIS  
04DE  ; DISALLOWED # CYRILLIC CAPITAL LETTER ZE WITH DIAERESIS  
04DF  ; PVALID     # CYRILLIC SMALL LETTER ZE WITH DIAERESIS  
04E0  ; DISALLOWED # CYRILLIC CAPITAL LETTER ABKHASIAN DZE  
04E1  ; PVALID     # CYRILLIC SMALL LETTER ABKHASIAN DZE  
04E2  ; DISALLOWED # CYRILLIC CAPITAL LETTER I WITH MACRON  
04E3  ; PVALID     # CYRILLIC SMALL LETTER I WITH MACRON  
04E4  ; DISALLOWED # CYRILLIC CAPITAL LETTER I WITH DIAERESIS  
04E5  ; PVALID     # CYRILLIC SMALL LETTER I WITH DIAERESIS  
04E6  ; DISALLOWED # CYRILLIC CAPITAL LETTER O WITH DIAERESIS  
04E7  ; PVALID     # CYRILLIC SMALL LETTER O WITH DIAERESIS  
04E8  ; DISALLOWED # CYRILLIC CAPITAL LETTER BARRED O  
04E9  ; PVALID     # CYRILLIC SMALL LETTER BARRED O  
04EA  ; DISALLOWED # CYRILLIC CAPITAL LETTER BARRED O WITH DIAERESIS  
04EB  ; PVALID     # CYRILLIC SMALL LETTER BARRED O WITH DIAERESIS  
04EC  ; DISALLOWED # CYRILLIC CAPITAL LETTER E WITH DIAERESIS  
04ED  ; PVALID     # CYRILLIC SMALL LETTER E WITH DIAERESIS  
04EE  ; DISALLOWED # CYRILLIC CAPITAL LETTER U WITH MACRON  
04EF  ; PVALID     # CYRILLIC SMALL LETTER U WITH MACRON  
04F0  ; DISALLOWED # CYRILLIC CAPITAL LETTER U WITH DIAERESIS  
04F1  ; PVALID     # CYRILLIC SMALL LETTER U WITH DIAERESIS  
04F2  ; DISALLOWED # CYRILLIC CAPITAL LETTER U WITH DOUBLE ACUTE  
04F3  ; PVALID     # CYRILLIC SMALL LETTER U WITH DOUBLE ACUTE  
04F4  ; DISALLOWED # CYRILLIC CAPITAL LETTER CHE WITH DIAERESIS  
04F5  ; PVALID     # CYRILLIC SMALL LETTER CHE WITH DIAERESIS  
04F6  ; DISALLOWED # CYRILLIC CAPITAL LETTER GHE WITH DESCENDER  
04F7  ; PVALID     # CYRILLIC SMALL LETTER GHE WITH DESCENDER  
04F8  ; DISALLOWED # CYRILLIC CAPITAL LETTER YERU WITH DIAERESIS  
04F9  ; PVALID     # CYRILLIC SMALL LETTER YERU WITH DIAERESIS  
04FA  ; DISALLOWED # CYRILLIC CAPITAL LETTER GHE WITH STROKE AND HO  
04FB  ; PVALID     # CYRILLIC SMALL LETTER GHE WITH STROKE AND HO  
04FC  ; DISALLOWED # CYRILLIC CAPITAL LETTER HA WITH Hook  
04FD  ; PVALID     # CYRILLIC SMALL LETTER HA WITH Hook  
04FE  ; DISALLOWED # CYRILLIC CAPITAL LETTER HA WITH STROKE  
04FF  ; PVALID     # CYRILLIC SMALL LETTER HA WITH STROKE  
0500  ; DISALLOWED # CYRILLIC CAPITAL LETTER KOMI DE  
0501  ; PVALID     # CYRILLIC SMALL LETTER KOMI DE  
0502  ; DISALLOWED # CYRILLIC CAPITAL LETTER KOMI DJE  
0503  ; PVALID     # CYRILLIC SMALL LETTER KOMI DJE  
0504  ; DISALLOWED # CYRILLIC CAPITAL LETTER KOMI ZJE
0505; PVALID # CYRILLIC SMALL LETTER KOMI ZJE
0506; DISALLOWED # CYRILLIC CAPITAL LETTER KOMI DZJE
0507; PVALID # CYRILLIC SMALL LETTER KOMI DZJE
0508; DISALLOWED # CYRILLIC CAPITAL LETTER KOMI LJE
0509; PVALID # CYRILLIC SMALL LETTER KOMI LJE
050A; DISALLOWED # CYRILLIC CAPITAL LETTER KOMI NJE
050B; PVALID # CYRILLIC SMALL LETTER KOMI NJE
050C; DISALLOWED # CYRILLIC CAPITAL LETTER KOMI SJE
050D; PVALID # CYRILLIC SMALL LETTER KOMI SJE
050E; DISALLOWED # CYRILLIC CAPITAL LETTER KOMI TJE
050F; PVALID # CYRILLIC SMALL LETTER KOMI TJE
0510; DISALLOWED # CYRILLIC CAPITAL LETTER REVERSED ZE
0511; PVALID # CYRILLIC SMALL LETTER REVERSED ZE
0512; DISALLOWED # CYRILLIC CAPITAL LETTER EL WITH HOOK
0513; PVALID # CYRILLIC SMALL LETTER EL WITH HOOK
0514; DISALLOWED # CYRILLIC CAPITAL LETTER LHA
0515; PVALID # CYRILLIC SMALL LETTER LHA
0516; DISALLOWED # CYRILLIC CAPITAL LETTER RHA
0517; PVALID # CYRILLIC SMALL LETTER RHA
0518; DISALLOWED # CYRILLIC CAPITAL LETTER YAE
0519; PVALID # CYRILLIC SMALL LETTER YAE
051A; DISALLOWED # CYRILLIC CAPITAL LETTER QA
051B; PVALID # CYRILLIC SMALL LETTER QA
051C; DISALLOWED # CYRILLIC CAPITAL LETTER WE
051D; PVALID # CYRILLIC SMALL LETTER WE
051E; DISALLOWED # CYRILLIC CAPITAL LETTER ALEUT KA
051F; PVALID # CYRILLIC SMALL LETTER ALEUT KA
0520; DISALLOWED # CYRILLIC CAPITAL LETTER EL WITH MIDDLE HOOK
0521; PVALID # CYRILLIC SMALL LETTER EL WITH MIDDLE HOOK
0522; DISALLOWED # CYRILLIC CAPITAL LETTER EN WITH MIDDLE HOOK
0523; PVALID # CYRILLIC SMALL LETTER EN WITH MIDDLE HOOK
0524; DISALLOWED # CYRILLIC CAPITAL LETTER PE WITH DESCENDER
0525; PVALID # CYRILLIC SMALL LETTER PE WITH DESCENDER
0526; DISALLOWED # CYRILLIC CAPITAL LETTER SHHA WITH DESCENDER
0527; PVALID # CYRILLIC SMALL LETTER SHHA WITH DESCENDER
0528; DISALLOWED # CYRILLIC CAPITAL LETTER EN WITH LEFT HOOK
0529; PVALID # CYRILLIC SMALL LETTER EN WITH LEFT HOOK
052A; DISALLOWED # CYRILLIC CAPITAL LETTER DZZHE
052B; PVALID # CYRILLIC SMALL LETTER DZZHE
052C; DISALLOWED # CYRILLIC CAPITAL LETTER DCHE
052D; PVALID # CYRILLIC SMALL LETTER DCHE
052E; DISALLOWED # CYRILLIC CAPITAL LETTER EL WITH DESCENDER
052F; PVALID # CYRILLIC SMALL LETTER EL WITH DESCENDER
0530; UNASSIGNED # <reserved>
0531..0556; DISALLOWED # ARMENIAN CAPITAL LETTER AYB..ARMENIAN CAPITA
0557..0558; UNASSIGNED # <reserved>..<reserved>
0559; PVALID # ARMENIAN MODIFIER LETTER LEFT HALF RING
055A..055F; DISALLOWED # ARMENIAN APOSTROPHE..ARMENIAN ABBREVIATION M
Internet-Draft           IDNA2008 and Unicode 11          September 2018
0560..0586  ; PVALID     # ARMENIAN SMALL LETTER TURNED AYB..ARMENIAN S
0587        ; DISALLOWED # ARMENIAN SMALL LIGATURE ECH YIWN
0588        ; PVALID     # ARMENIAN SMALL LETTER YI WITH STROKE
0589..058A  ; DISALLOWED # ARMENIAN FULL STOP..ARMENIAN HYPHEN
058B..058C  ; UNASSIGNED # <reserved>..<reserved>
058D..058F  ; DISALLOWED # RIGHT-FACING ARMENIAN ETERNITY SIGN..ARMENIA
0590        ; UNASSIGNED # <reserved>
0591..05BD  ; PVALID     # HEBREW ACCENT ETNAHTA..HEBREW POINT METEG
05BE        ; DISALLOWED # HEBREW PUNCTUATION MAQAF
05BF        ; PVALID     # HEBREW POINT RAFE
05C0        ; DISALLOWED # HEBREW PUNCTUATION PASQE
05C1..05C2  ; PVALID     # HEBREW POINT SHIN DOT..HEBREW POINT SIN DOT
05C3        ; DISALLOWED # HEBREW PUNCTUATION SOF PASUQ
05C4..05C5  ; PVALID     # HEBREW MARK UPPER DOT..HEBREW MARK LOWER DOT
05C6        ; DISALLOWED # HEBREW PUNCTUATION NUN HAFUKHA
05C7        ; PVALID     # HEBREW POINT QAMATS QATAN
05C8..05CF  ; UNASSIGNED # <reserved>..<reserved>
05D0..05EA  ; PVALID     # HEBREW LETTER ALEF..HEBREW LETTER TAV
05EB..05EE  ; UNASSIGNED # <reserved>..<reserved>
05EF..05F2  ; PVALID     # HEBREW YOD TRIANGLE..HEBREW LIGATURE YIDDISH
05F3..05F4  ; CONTEXTO  # HEBREW PUNCTUATION GERSH..HEBREW PUNCTUATION
05F5..05FF  ; UNASSIGNED # <reserved>..<reserved>
0600..060F  ; DISALLOWED # ARABIC NUMBER SIGN..ARABIC SIGN MISRA
0610..061A  ; PVALID     # ARABIC SIGN SALLALLAHOU ALAYHE WASSALLAM..AR
061B..061C  ; DISALLOWED # ARABIC SEMICOLON..ARABIC LETTER MARK
061D        ; UNASSIGNED # <reserved>
061E..061F  ; DISALLOWED # ARABIC TRIPLE DOT PUNCTUATION MARK..ARABIC Q
0620..063F  ; PVALID     # ARABIC LETTER KASHMIHREY..ARABIC LETTER FA
0640        ; DISALLOWED # ARABIC TATWEEL
0641..065F  ; PVALID     # ARABIC LETTER FEH..ARABIC WAVY HAMZA BELOW
0660..0669  ; CONTEXTO  # ARABIC-INDIC DIGIT ZERO..ARABIC-INDIC DIGIT
066A..066D  ; DISALLOWED # ARABIC PERCENT SIGN..ARABIC FIVE POINTED STA
066E..0674  ; PVALID     # ARABIC LETTER DOTLESS BEH..ARABIC LETTER HIG
0675..0678  ; DISALLOWED # ARABIC LETTER HIGH HAMZA ALEF..ARABIC LETTER
0679..06D3  ; PVALID     # ARABIC LETTER TTEH..ARABIC LETTER YEH BARREE
06D4        ; DISALLOWED # ARABIC FULL STOP
06D5..06DC  ; PVALID     # ARABIC LETTER AE..ARABIC SMALL HIGH SEEN
06DD..06DE  ; DISALLOWED # ARABIC END OF AYAH..ARABIC START OF RUB EL H
06DF..06E8  ; PVALID     # ARABIC SMALL HIGH ROUNDED ZERO..ARABIC SMALL
06E9        ; DISALLOWED # ARABIC PLACE OF SAJDH
06EA..06EF  ; PVALID     # ARABIC EMPTY CENTRE LOW STOP..ARABIC LETTER
06F0..06F9  ; CONTEXTO  # EXTENDED ARABIC-INDIC DIGIT ZERO..EXTENDED A
06FA..06FF  ; PVALID     # ARABIC LETTER SHEEN WITH DOT BELOW..ARABIC L
0700..070D  ; DISALLOWED # SYRIAC END OF PARAGRAPH..SYRIAC HARKLEAN AST
070E        ; UNASSIGNED # <reserved>
070F        ; DISALLOWED # SYRIAC ABBREVIATION MARK
0710..074A  ; PVALID     # SYRIAC LETTER ALAPH..SYRIAC BARREKH
074B..074C  ; UNASSIGNED # <reserved>..<reserved>
074D..07B1 ; PVALID # SYRIAC LETTER SOGDIAN ZHAIN..THAANA LETTER N
07B2..07BF ; UNASSIGNED # <reserved>..<reserved>
07C0..07F5 ; PVALID # NKO DIGIT ZERO..NKO LOW TONE APOSTROPHE
07F6..07FA ; DISALLOWED # NKO SYMBOL OO DENNEN..NKO LAJANYALAN
07FB..07FC ; UNASSIGNED # <reserved>..<reserved>
07FD ; PVALID # NKO DANTAYALAN
07FE..07FF ; DISALLOWED # NKO DOROME SIGN..NKO TAMAN SIGN
0800..082D ; PVALID # SAMARITAN LETTER ALAF..SAMARITAN MARK NEQUA
082E..082F ; UNASSIGNED # <reserved>..<reserved>
0830..083F ; DISALLOWED # SAMARITAN PUNCTUATION NEQUDA..SAMARITAN PUN
0840..085B ; PVALID # MANDAIC LETTER HALQA..MANDAIC GEMINATION MAR
085C..085D ; UNASSIGNED # <reserved>..<reserved>
085E ; DISALLOWED # MANDAIC PUNCTUATION
085F ; UNASSIGNED # <reserved>
0860..086A ; PVALID # SYRIAC LETTER MALAYALAM NGA..SYRIAC LETTER M
086B..086F ; PVALID # ARABIC LETTER BEH WITH SMALL V BELOW..ARABIC SMALL LOW WAW
0870..087F ; DISALLOWED # ARABIC SMALL HIGH SIGN
0880..088F ; PVALID # ARABIC TURNED DAMMA BELOW..DEVANAGARI VOWEL
0890..089F ; PVALID # DEVANAGARI LETTER QA..DEVANAGARI LETTER YYA
08A0..08A5 ; DISALLOWED # DEVANAGARI LETTER VOCALIC RR..DEVANAGARI DOUBLE DANDA
08A6..08A7 ; DISALLOWED # DEVANAGARI DANDA..DEVANAGARI LETTER SHA
08A8..08AF ; DISALLOWED # DEVANAGARI SHYRA..DEVANAGARI VOWEL SIGN O
08B0..08C7 ; DISALLOWED # DEVANAGARI VOWEL SIGN O..DEVANAGARI VOWEL SIGN
08C8..08C9 ; DISALLOWED # DEVANAGARI DANDA..DEVANAGARI DOUBLE DANDA
08CA..08CB ; DISALLOWED # DEVANAGARI DIGIT ZERO..DEVANAGARI DIGIT
08CD..08CF ; DISALLOWED # DEVANAGARI DIGIT NINE
08D0..08D4 ; PVALID # DEVANAGARI ABBREVIATION SIGN
08D5..08D7 ; DISALLOWED # DEVANAGARI ABBREVIATION SIGN
08D8..08D9 ; DISALLOWED # DEVANAGARI ABBREVIATION SIGN
08DA..08DA ; DISALLOWED # DEVANAGARI ABBREVIATION SIGN
08DB..08DF ; DISALLOWED # DEVANAGARI ABBREVIATION SIGN
08E0..08E1 ; DISALLOWED # DEVANAGARI ABBREVIATION SIGN
08E2..08E3 ; DISALLOWED # DEVANAGARI ABBREVIATION SIGN
08E4..08E5 ; DISALLOWED # DEVANAGARI ABBREVIATION SIGN
08E6..08E7 ; DISALLOWED # DEVANAGARI ABBREVIATION SIGN
08E8..08E9 ; DISALLOWED # DEVANAGARI ABBREVIATION SIGN
08EA..08EB ; DISALLOWED # DEVANAGARI ABBREVIATION SIGN
08EC..08ED ; DISALLOWED # DEVANAGARI ABBREVIATION SIGN
08EE..08EF ; DISALLOWED # DEVANAGARI ABBREVIATION SIGN
08F0..08F1 ; DISALLOWED # DEVANAGARI ABBREVIATION SIGN
08F2..08F3 ; DISALLOWED # DEVANAGARI ABBREVIATION SIGN
08F4..08F5 ; DISALLOWED # DEVANAGARI ABBREVIATION SIGN
08F6..08F7 ; DISALLOWED # DEVANAGARI ABBREVIATION SIGN
08F8..08F9 ; DISALLOWED # DEVANAGARI ABBREVIATION SIGN
08FA..08FB ; DISALLOWED # DEVANAGARI ABBREVIATION SIGN
08FC..08FD ; DISALLOWED # DEVANAGARI ABBREVIATION SIGN
08FE..08FF ; DISALLOWED # DEVANAGARI ABBREVIATION SIGN
09CF..09D6  ; UNASSIGNED  # <reserved>..<reserved>
09D7        ; PVALID      # BENGALI AU LENGTH MARK
09D8..09DB  ; UNASSIGNED  # <reserved>..<reserved>
09DC..09DD  ; DISALLOWED # BENGALI LETTER RRA..BENGALI LETTER RHA
09DE        ; UNASSIGNED  # <reserved>
09DF        ; DISALLOWED # BENGALI LETTER YYA
09E0..09E5  ; PVALID      # BENGALI LETTER VOWELIC RR..BENGALI VOWEL SIG
09E6..09F1  ; PVLD       # BENGALI DIGIT ZERO..BENGALI LETTER RA WITH L
09F2..09FB  ; DISALLOWED # BENGALI RUPEE MARK..BENGALI GANDA MARK
09FC        ; PVALID      # BENGALI LETTER VEDIC ANUSVARA
09FD        ; DISALLOWED # BENGALI ABBREVIATION SIGN
09FE        ; PVALID      # BENGALI SANDHI MARK
09FF..A000  ; UNASSIGNED  # <reserved>..<reserved>
A001..A003  ; PVALID      # GURMUKHI SIGN ADAK BINDI..GURMUKHI SIGN VISA
A004        ; UNASSIGNED  # <reserved>
A005..A00A  ; PVALID      # GURMUKHI LETTER A..GURMUKHI LETTER UU
A00B..A0AE  ; UNASSIGNED  # <reserved>..<reserved>
A00F..A10  ; PVALID      # GURMUKHI LETTER EE..GURMUKHI LETTER AI
A011..A0A2  ; UNASSIGNED  # <reserved>..<reserved>
A013..A0A8  ; PVALID      # GURMUKHI LETTER OO..GURMUKHI LETTER NA
A0A9        ; UNASSIGNED  # <reserved>
A02A..A30   ; PVALID      # GURMUKHI LETTER PA..GURMUKHI LETTER RA
A031        ; UNASSIGNED  # <reserved>
A032        ; PVALID      # GURMUKHI LETTER LA
A033        ; DISALLOWED # GURMUKHI LETTER LLAA
A034        ; UNASSIGNED  # <reserved>
A035        ; PVALID      # GURMUKHI LETTER VA
A036        ; DISALLOWED # GURMUKHI LETTER SHA
A037        ; UNASSIGNED  # <reserved>
A038..A39   ; PVALID      # GURMUKHI LETTER SA..GURMUKHI LETTER HA
A03A..A3B   ; UNASSIGNED  # <reserved>..<reserved>
A03C        ; PVALID      # GURMUKHI SIGN NUKTA
A03D        ; UNASSIGNED  # <reserved>
A03E..A42   ; PVALID      # GURMUKHI VOWEL SIGN AA..GURMUKHI VOWEL SIGN
A043..A46   ; UNASSIGNED  # <reserved>..<reserved>
A047..A4A   ; PVALID      # GURMUKHI VOWEL SIGN EE..GURMUKHI VOWEL SIGN
A049..A4A   ; UNASSIGNED  # <reserved>..<reserved>
A04B..A4D   ; PVALID      # GURMUKHI VOWEL SIGN OO..GURMUKHI SIGN VIRAMA
A04E..A50   ; UNASSIGNED  # <reserved>..<reserved>
A051        ; PVALID      # GURMUKHI SIGN UDAAT
A052..A58   ; UNASSIGNED  # <reserved>..<reserved>
A059..A5B   ; DISALLOWED # GURMUKHI LETTER KHHA..GURMUKHI LETTER ZA
A05C        ; PVALID      # GURMUKHI LETTER RRA
A05D        ; UNASSIGNED  # <reserved>
A05E        ; DISALLOWED # GURMUKHI LETTER FA
A05F..A65   ; UNASSIGNED  # <reserved>..<reserved>
A066..A75   ; PVALID      # GURMUKHI DIGIT ZERO..GURMUKHI SIGN YAKASH
0A76        ; DISALLOWED  # GURMUKHI ABBREVIATION SIGN
0A77..0A80  ; UNASSIGNED  # <reserved>..<reserved>
0A81..0A83  ; PVALID   # GUJARATI SIGN CANDRABINDU..GUJARATI SIGN VIS
0A84        ; UNASSIGNED  # <reserved>
0A85..0A8D  ; PVALID   # GUJARATI LETTER A..GUJARATI VOWEL CANDRA E
0A8E        ; UNASSIGNED  # <reserved>
0A8F..0A91  ; PVALID   # GUJARATI LETTER E..GUJARATI VOWEL CANDRA O
0A92        ; UNASSIGNED  # <reserved>
0A93..0AA8  ; PVALID   # GUJARATI LETTER O..GUJARATI LETTER NA
0AA9        ; UNASSIGNED  # <reserved>
0AAA..0AB0  ; PVALID   # GUJARATI LETTER PA..GUJARATI LETTER RA
0AB1        ; UNASSIGNED  # <reserved>
0AB2..0AB3  ; PVALID   # GUJARATI LETTER LA..GUJARATI LETTER LLA
0AB4        ; UNASSIGNED  # <reserved>
0AB5..0AB9  ; PVALID   # GUJARATI LETTER VA..GUJARATI LETTER HA
0ABA..0ABB  ; UNASSIGNED  # <reserved>..<reserved>
0ABC..0AC5  ; PVALID   # GUJARATI SIGN NUKTA..GUJARATI VOWEL SIGN CAN
0AC6        ; UNASSIGNED  # <reserved>
0AC7..0AC9  ; PVALID   # GUJARATI VOWEL SIGN E..GUJARATI VOWEL SIGN C
0ACA        ; UNASSIGNED  # <reserved>
0ACB..0ACD  ; PVALID   # GUJARATI VOWEL SIGN O..GUJARATI SIGN VIRAMA
0ACE..0ACF  ; UNASSIGNED  # <reserved>..<reserved>
0ADF        ; PVALID   # GUJARATI OM
0AD1..0ADF  ; UNASSIGNED  # <reserved>..<reserved>
0AE0..0AE3  ; PVALID   # GUJARATI LETTER VOCALIC RR..GUJARATI VOWEL S
0AE4..0AE5  ; UNASSIGNED  # <reserved>..<reserved>
0AE6..0AEF  ; PVALID   # GUJARATI DIGIT ZERO..GUJARATI DIGIT NINE
0AF0..0AF1  ; DISALLOWED  # GUJARATI ABBREVIATION SIGN..GUJARATI RUPEE S
0AF2..0AF8  ; UNASSIGNED  # <reserved>..<reserved>
0AF9..0AFF  ; PVALID   # GUJARATI LETTER ZHA..GUJARATI SIGN TWO-CIRCL
0B00        ; UNASSIGNED  # <reserved>
0B01..0B03  ; PVALID   # ORIYA SIGN CANDRABINDU..ORIYA SIGN VISARGA
0B04        ; UNASSIGNED  # <reserved>
0B05..0B0C  ; PVALID   # ORIYA LETTER A..ORIYA LETTER VOCALIC L
0B0D..0B0E  ; UNASSIGNED  # <reserved>..<reserved>
0B0F..0B10  ; PVALID   # ORIYA LETTER E..ORIYA LETTER AI
0B11..0B12  ; UNASSIGNED  # <reserved>..<reserved>
0B13..0B28  ; PVALID   # ORIYA LETTER O..ORIYA LETTER NA
0B29        ; UNASSIGNED  # <reserved>
0B2A..0B30  ; PVALID   # ORIYA LETTER PA..ORIYA LETTER RA
0B31        ; UNASSIGNED  # <reserved>
0B32..0B33  ; PVALID   # ORIYA LETTER LA..ORIYA LETTER LLA
0B34        ; UNASSIGNED  # <reserved>
0B35..0B39  ; PVALID   # ORIYA LETTER VA..ORIYA LETTER HA
0B3A..0B3B  ; UNASSIGNED  # <reserved>..<reserved>
0B3C..0B44  ; PVALID   # ORIYA SIGN NUKTA..ORIYA VOWEL SIGN VOCALIC R
0B45..0B46  ; UNASSIGNED  # <reserved>..<reserved>
0B47..0B48  ; PVALID   # ORIYA VOWEL SIGN E..ORIYA VOWEL SIGN AI
0B49..0B4A  ; UNASSIGNED # <reserved>..<reserved>
0B4B..0B4D  ; PVALID  # ORIYA VOWEL SIGN O..ORIYA SIGN VIRAMA
0B4E..0B55  ; UNASSIGNED # <reserved>..<reserved>
0B56..0B57  ; PVALID  # ORIYA AI LENGTH MARK..ORIYA AU LENGTH MARK
0B58..0B5B  ; UNASSIGNED # <reserved>..<reserved>
0B5C..0B5D  ; DISALLOWED # ORIYA LETTER RRA..ORIYA LETTER RHA
0B5E        ; UNASSIGNED # <reserved>
0B5F..0B5D  ; DISALLOWED  # ORIYA LETTER YYA..ORIYA VOWEL SIGN VOCALIC L
0B64..0B65  ; UNASSIGNED # <reserved>..<reserved>
0B66..0B6F  ; PVALID  # ORIYA DIGIT ZERO..ORIYA DIGIT NINE
0B70        ; DISALLOWED  # ORIYA ISSHAR
0B71        ; PVALID  # ORIYA LETTER WA
0B72..0B77  ; DISALLOWED  # ORIYA FRACTION ONE QUARTER..ORIYA FRACTION T
0B78..0B81  ; UNASSIGNED # <reserved>..<reserved>
0B82..0B83  ; PVALID  # TAMIL SIGN ANUSVARA..TAMIL SIGN VISARGA
0B84        ; UNASSIGNED # <reserved>
0B85..0B8A  ; PVALID  # TAMIL LETTER A..TAMIL LETTER UU
0B8B..0B8D  ; UNASSIGNED # <reserved>..<reserved>
0B8E..0B90  ; PVALID  # TAMIL LETTER E..TAMIL LETTER AI
0B91        ; UNASSIGNED # <reserved>
0B92..0B95  ; PVALID  # TAMIL LETTER O..TAMIL LETTER KA
0B96..0B98  ; UNASSIGNED # <reserved>..<reserved>
0B99..0B9A  ; PVALID  # TAMIL LETTER NGA..TAMIL LETTER CA
0B9B        ; UNASSIGNED # <reserved>
0B9C        ; PVALID  # TAMIL LETTER JA
0B9D        ; UNASSIGNED # <reserved>
0B9E..0B9F  ; PVALID  # TAMIL LETTER NYA..TAMIL LETTER TTA
0BA0..0BA2  ; UNASSIGNED # <reserved>..<reserved>
0BA3..0BA4  ; PVALID  # TAMIL LETTER NNA..TAMIL LETTER TA
0BA5..0BA7  ; UNASSIGNED # <reserved>..<reserved>
0BA8..0BAA  ; PVALID  # TAMIL LETTER NA..TAMIL LETTER PA
0BAA..0BAD  ; UNASSIGNED # <reserved>..<reserved>
0BAE..0BB9  ; PVALID  # TAMIL LETTER MA..TAMIL LETTER HA
0BBA..0BBD  ; UNASSIGNED # <reserved>..<reserved>
0BBD..0BC1  ; PVALID  # TAMIL VOWEL SIGN AA..TAMIL VOWEL SIGN UU
0BC3..0BC5  ; UNASSIGNED # <reserved>..<reserved>
0BC6..0BC8  ; PVALID  # TAMIL VOWEL SIGN E..TAMIL VOWEL SIGN AI
0BC9        ; UNASSIGNED # <reserved>
0BCC..0BDD  ; PVALID  # TAMIL VOWEL SIGN O..TAMIL SIGN VIRAMA
0BCE..0C0F  ; UNASSIGNED # <reserved>..<reserved>
0BD0        ; PVALID  # TAMIL OM
0BD1..0BD6  ; UNASSIGNED # <reserved>..<reserved>
0BD7        ; PVALID  # TAMIL AU LENGTH MARK
0BD8..0BE5  ; UNASSIGNED # <reserved>..<reserved>
0BE6..0BEF  ; PVALID  # TAMIL DIGIT ZERO..TAMIL DIGIT NINE
0BF0..0BFA  ; DISALLOWED  # TAMIL NUMBER TEN..TAMIL NUMBER SIGN
0BF8..0FFF  ; UNASSIGNED # <reserved>..<reserved>
0C00..0C0C  ; PVALID  # TELUGU SIGN COMBINING CANDRABINDU ABOVE..TEL
0C0D        ; UNASSIGNED # <reserved>
0C0E..0C10  ; PVALID  # TELUGU LETTER E..TELUGU LETTER AI
0C11        ; UNASSIGNED # <reserved>
0C12..0C28  ; PVALID  # TELUGU LETTER O..TELUGU LETTER NA
0C29        ; UNASSIGNED # <reserved>
0C2A..0C39  ; PVALID  # TELUGU LETTER PA..TELUGU LETTER HA
0C3A..0C3C  ; UNASSIGNED # <reserved>..<reserved>
0C3D..0C44  ; PVALID  # TELUGU SIGN AVAGRAHA..TELUGU VOWEL SIGN VOCA
0C45        ; UNASSIGNED # <reserved>
0C46..0C48  ; PVALID  # TELUGU VOWEL SIGN E..TELUGU VOWEL SIGN AI
0C49        ; UNASSIGNED # <reserved>
0C4A..0C4D  ; PVALID  # TELUGU VOWEL SIGN O..TELUGU SIGN VIRAMA
0C4E..0C54  ; UNASSIGNED # <reserved>..<reserved>
0C55..0C56  ; PVALID  # TELUGU LENGTH MARK..TELUGU AI LENGTH MARK
0C57        ; UNASSIGNED # <reserved>
0C58..0C5A  ; PVALID  # TELUGU LETTER TSA..TELUGU LETTER RRRA
0C5B..0C5F  ; UNASSIGNED # <reserved>..<reserved>
0C60..0C63  ; PVALID  # TELUGU LETTER VOCALIC RR..TELUGU VOWEL SIGN
0C64..0C65  ; UNASSIGNED # <reserved>..<reserved>
0C66..0C6F  ; PVALID  # TELUGU DIGIT ZERO..TELUGU DIGIT NINE
0C70..0C77  ; UNASSIGNED # <reserved>..<reserved>
0C78..0C7F  ; DISALLOWED # TELUGU FRACTION DIGIT ZERO FOR ODD POWERS OF
0C80..0C83  ; PVALID  # KANNADA SIGN SPACING CANDRABINDU..KANNADA SI
0C84        ; DISALLOWED # KANNADA SIGN SIDDHAM
0C85..0C8C  ; PVALID  # KANNADA LETTER A..KANNADA LETTER VOCALIC L
0C8D        ; UNASSIGNED # <reserved>
0C8E..0C90  ; PVALID  # KANNADA LETTER E..KANNADA LETTER AI
0C91        ; UNASSIGNED # <reserved>
0C92..0CA8  ; PVALID  # KANNADA LETTER O..KANNADA LETTER NA
0CA9        ; UNASSIGNED # <reserved>
0CAA..0CB3  ; PVALID  # KANNADA LETTER PA..KANNADA LETTER LLA
0CB4        ; UNASSIGNED # <reserved>
0CB5..0CB9  ; PVALID  # KANNADA LETTER VA..KANNADA LETTER HA
0CBA..0CBB  ; UNASSIGNED # <reserved>..<reserved>
0CBC..0CC4  ; PVALID  # KANNADA SIGN NUKTA..KANNADA VOWEL SIGN VOCAL
0CC5        ; UNASSIGNED # <reserved>
0CC6..0CC8  ; PVALID  # KANNADA VOWEL SIGN E..KANNADA VOWEL SIGN AI
0CC9        ; UNASSIGNED # <reserved>
0CCA..0CCD  ; PVALID  # KANNADA VOWEL SIGN O..KANNADA SIGN VIRAMA
0CCE..0CDF  ; UNASSIGNED # <reserved>..<reserved>
0CD5..0CD6  ; PVALID  # KANNADA LENGTH MARK..KANNADA AI LENGTH MARK
0CD7..0CDD  ; UNASSIGNED # <reserved>..<reserved>
0CDE        ; PVALID  # KANNADA LETTER FA
0CDF        ; UNASSIGNED # <reserved>
0CE0..0CE3  ; PVALID  # KANNADA LETTER VOCALIC RR..KANNADA VOWEL SIG
0CE4..0CE5  ; UNASSIGNED # <reserved>..<reserved>
0CE6..0CEF  ; PVALID  # KANNADA DIGIT ZERO..KANNADA DIGIT NINE
0CF0        ; UNASSIGNED # <reserved>
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0CF1..0CF2  ; PVALID # KANNADA SIGN JIHVAMULIYA..KANNADA SIGN UPADH
0CF3..0CFF  ; UNASSIGNED # <reserved>..<reserved>
0D00..0D03  ; PVALID # MALAYALAM SIGN COMBINING ANUSVARA ABOVE..MAL
0D04        ; UNASSIGNED # <reserved>
0D05..0D0C  ; PVALID # MALAYALAM LETTER A..MALAYALAM LETTER VOCALIC
0D0D        ; UNASSIGNED # <reserved>
0D0E..0D10  ; PVALID # MALAYALAM LETTER E..MALAYALAM LETTER AI
0D11        ; UNASSIGNED # <reserved>
0D12..0D44  ; PVALID # MALAYALAM LETTER O..MALAYALAM VOWEL SIGN VOC
0D45        ; UNASSIGNED # <reserved>
0D46..0D48  ; PVALID # MALAYALAM VOWEL SIGN E..MALAYALAM VOWEL SIGN
0D49        ; UNASSIGNED # <reserved>
0D4A..0D4E  ; PVALID # MALAYALAM VOWEL SIGN O..MALAYALAM LETTER DOT
0D4F        ; DISALLOWED # MALAYALAM SIGN PARA
0D50..0D53  ; UNASSIGNED # <reserved>..<reserved>
0D54..0D57  ; PVALID # MALAYALAM LETTER CHILLU M..MALAYALAM AU LENG
0D58..0D5E  ; DISALLOWED # MALAYALAM FRACTION ONE ONE-HUNDRED-AND-SIXTI
0D5F..0D63  ; PVALID # MALAYALAM LETTER ARCHAIC II..MALAYALAM VOWEL
0D64..0D65  ; UNASSIGNED # <reserved>..<reserved>
0D66..0D6F  ; PVALID # MALAYALAM DIGIT ZERO..MALAYALAM DIGIT NINE
0D70..0D79  ; DISALLOWED # MALAYALAM NUMBER TEN..MALAYALAM DATE MARK
0D7A..0D7F  ; PVALID # MALAYALAM LETTER CHILLU NN..MALAYALAM LETTER
0D80..0D81  ; UNASSIGNED # <reserved>..<reserved>
0D82..0D83  ; PVALID # SINHALA SIGN ANUSVARAYA..SINHALA SIGN VISARG
0D84        ; UNASSIGNED # <reserved>
0D85..0D96  ; PVALID # SINHALA LETTER AYANNA..SINHALA LETTER AUYANN
0D97..0D99  ; UNASSIGNED # <reserved>..<reserved>
0DA9A..0DB1  ; PVligaD # SINHALA LETTER ALPAARANA KAYANNA..SINHALA L
0DB2        ; UNASSIGNED # <reserved>
0DB3..0DBB  ; PVALID # SINHALA LETTER SANYAKA DAYANNA..SINHALA LETT
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0E4F; DISALLOWED # THAI CHARACTER FONGMAN
0E50..0E59; PVALID # THAI DIGIT ZERO..THAI DIGIT NINE
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<td>1820..1878</td>
<td>PVALID</td>
<td># MONGOLIAN LETTER A..MONGOLIAN LETTER CHA WIT</td>
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<td>PVALID</td>
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<td>188O..188F5</td>
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<td># CANADIAN SYLLABICS OY..CANADIAN SYLLABICS CA</td>
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<td># LIMBU VOWEL-CARRIER LETTER..LIMBU LETTER TRA</td>
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<td>PVALID</td>
<td># LIMBU VOWEL SIGN A..LIMBU SUBJOINED LETTER W</td>
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<td>PVALID</td>
<td># LIMBU SMALL LETTER KA..LIMBU SIGN SA-I</td>
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<td># LIMBU SIGN LOO</td>
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<td>1944..1945</td>
<td>DISALLOWED</td>
<td># LIMBU EXCLAMATION MARK..LIMBU QUESTION MARK</td>
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<td>1946..196D</td>
<td>PVALID</td>
<td># LIMBU DIGIT ZERO..TAI LE LETTER AI</td>
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<td>PVALID</td>
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<td># NEW TAI LUE VOWEL SIGN VOWEL SHORTENER..NEW</td>
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<td># NEW TAI LUE THAM DIGIT ONE</td>
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<td># BUGINESE LETTER KA..BUGINESE VOWEL SIGN AE</td>
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<td># BUGINESE PALLAWA..BUGINESE END OF SECTION</td>
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<td># TAI THAM LETTER HIGH KA..TAI THAM CONSONANT</td>
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<td>PVALID</td>
<td># TAI THAM SIGN SAKOT..TAI THAM SIGN KHUEN-LUE</td>
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1A7F..1A89 ; PVALID # TAI THAM COMBINING CRYPTOGRAMMIC DOT..TAI TH
1A8A..1A8F ; UNASSIGNED # <reserved>..<reserved>
1A90..1A99 ; PVALID # TAI THAM DIGIT ZERO..TAI THAM DIGI
1A9A..1A9F ; UNASSIGNED # <reserved>..<reserved>
1AA0..1AA6 ; DISALLOWED # TAI THAM SIGN WIANG..TAI THAM SIGN REVERSED
1AA7 ; PVALID # TAI THAM SIGN MAI YAMOK
1AA8..1AAD ; DISALLOWED # TAI THAM SIGN KAAN..TAI THAM SIGN CAANG
1AAE..1AAF ; UNASSIGNED # <reserved>..<reserved>
1AB0..1ABD ; PVALID # COMBINING DOUBLED CIRCUMFLEX ACCENT..COMBINI
1ABE ; DISALLOWED # COMBINING PARENTHESES OVERLAY
1ABF..1AFF ; UNASSIGNED # <reserved>..<reserved>
1B00..1B4B ; PVALID # BALINESE SIGN ULU RICEM..BALINESE LETTER ASY
1B4C..1B4F ; UNASSIGNED # <reserved>..<reserved>
1B50..1B59 ; PVALID # BALINESE DIGIT ZERO..BALINESE DIGIT NINE
1B5A..1B6A ; DISALLOWED # BALINESE PANTI..BALINESE MUSICAL SYMBOL DANG
1B6B..1B73 ; PVALID # BALINESE MUSICAL SYMBOL COMBINING TEGEH..BAL
1B74..1B7C ; DISALLOWED # BALINESE MUSICAL SYMBOL RIGHT-HAND OPEN DUG.
1B7D..1B7F ; UNASSIGNED # <reserved>..<reserved>
1B80..1B83 ; PVALID # SUNDANESE SIGN PANYECEK..BATAK PANONGONAN
1B84..1B8F ; UNASSIGNED # <reserved>..<reserved>
1BFC..1BFF ; DISALLOWED # BATAK SYMBOL BINDU NA METEK..BATAK SYMBOL BI
1C00..1C37 ; PVALID # LEPCHA LETTER KA..LEPCHA SIGN NUKTA
1C38..1C3A ; UNASSIGNED # <reserved>..<reserved>
1C3B..1C3F ; DISALLOWED # LEPCHA PUNCTUATION TA-ROL..LEPCHA PUNCTUATIO
1C40..1C49 ; PVALID # LEPCHA DIGIT ZERO..LEPCHA DIGIT NINE
1C4A..1C4C ; UNASSIGNED # <reserved>..<reserved>
1C4D..1C7D ; PVALID # LEPCHA LETTER TTA..OL CHIKI AHAD
1C7E..1C88 ; DISALLOWED # OL CHIKI PUNCTUATION MUCAAD..CYRILLIC SMALL
1C89..1C8F ; UNASSIGNED # <reserved>..<reserved>
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1CBD..1CC7 ; DISALLOWED # GEORGIAN MTAVRULI CAPITAL LETTER AEN..SUNDAN
1CC8..1CCF ; UNASSIGNED # <reserved>..<reserved>
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1CD3 ; DISALLOWED # VEDIC SIGN NIHSHVASA
1CD4..1CF9 ; PVALID # VEDIC SIGN YAJURVEDIC MIDLINE SVARITA..VEDIC
1CFA..1CFF ; UNASSIGNED # <reserved>..<reserved>
1D00..1D2B ; PVALID # LATIN LETTER SMALL CAPITAL A..CYRILLIC LETTE
1D2C..1D2E ; DISALLOWED # MODIFIER LETTER CAPITAL A..MODIFIER LETTER C
1DF ; PVALID # MODIFIER LETTER CAPITAL BARRED B
1D30..1D3A ; DISALLOWED # MODIFIER LETTER CAPITAL D..MODIFIER LETTER C
1D3B ; PVALID # MODIFIER LETTER CAPITAL REVERSED N
1D3C..1D4D ; DISALLOWED # MODIFIER LETTER CAPITAL O..MODIFIER LETTER S
1D4E ; PVALID # MODIFIER LETTER SMALL TURNED I
1D4F..1D6A ; DISALLOWED # MODIFIER LETTER SMALL K..GREEK SUBSCRIPT SMA
1D6B..1D77 ; PVALID # LATIN SMALL LETTER UE..LATIN SMALL LETTER TU
1D78 ; DISALLOWED # MODIFIER LETTER CYRILLIC EN
1D79..1D9A  ; PVALID  # LATIN SMALL LETTER INSULAR G..LATIN SMALL LE
1D9B..1DBF  ; DISALLOWED  # MODIFIER LETTER SMALL TURNED ALPHA..MODIFIER
1DC0..1DF9  ; PVALID  # COMBINING DOTTED GRAVE ACCENT..COMBINING WID
1DFA        ; UNASSIGNED  # <reserved>
1DB8..1DFF  ; PVALID  # COMBINING DELETION MARK..COMBINING RIGHT ARR
1E00        ; DISALLOWED  # LATIN CAPITAL LETTER A WITH RING BELOW
1E01        ; PVALID  # LATIN SMALL LETTER A WITH RING BELOW
1E02        ; DISALLOWED  # LATIN CAPITAL LETTER B WITH DOT ABOVE
1E03        ; PVALID  # LATIN SMALL LETTER B WITH DOT ABOVE
1E04        ; DISALLOWED  # LATIN CAPITAL LETTER B WITH DOT BELOW
1E05        ; PVALID  # LATIN SMALL LETTER B WITH DOT BELOW
1E06        ; DISALLOWED  # LATIN CAPITAL LETTER B WITH LINE BELOW
1E07        ; PVALID  # LATIN SMALL LETTER B WITH LINE BELOW
1E08        ; DISALLOWED  # LATIN CAPITAL LETTER C WITH CEDILLA AND ACUT
1E09        ; PVALID  # LATIN SMALL LETTER C WITH CEDILLA AND ACUTE
1E0A        ; DISALLOWED  # LATIN CAPITAL LETTER D WITH MACRON AND GRAVE
1E0B        ; PVALID  # LATIN SMALL LETTER D WITH MACRON AND GRAVE
1E0C        ; DISALLOWED  # LATIN CAPITAL LETTER D WITH MACRON AND ACUTE
1E0D        ; PVALID  # LATIN SMALL LETTER D WITH MACRON AND ACUTE
1E0E        ; DISALLOWED  # LATIN CAPITAL LETTER D WITH CIRCUMFLEX BELOW
1E0F        ; PVALID  # LATIN SMALL LETTER D WITH CIRCUMFLEX BELOW
1E10        ; DISALLOWED  # LATIN CAPITAL LETTER D WITH CEDILLA
1E11        ; PVALID  # LATIN SMALL LETTER D WITH CEDILLA
1E12        ; DISALLOWED  # LATIN CAPITAL LETTER D WITH CIRCUMFLEX BELOW
1E13        ; PVALID  # LATIN SMALL LETTER D WITH CIRCUMFLEX BELOW
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1E15        ; PVALID  # LATIN SMALL LETTER E WITH MACRON AND GRAVE
1E16        ; DISALLOWED  # LATIN CAPITAL LETTER E WITH MACRON AND ACUTE
1E17        ; PVALID  # LATIN SMALL LETTER E WITH MACRON AND ACUTE
1E18        ; DISALLOWED  # LATIN CAPITAL LETTER E WITH CIRCUMFLEX BELOW
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1E1B        ; PVALID  # LATIN SMALL LETTER E WITH TILDE BELOW
1E1C        ; DISALLOWED  # LATIN CAPITAL LETTER E WITH CEDILLA AND BREV
1E1D        ; PVALID  # LATIN SMALL LETTER E WITH CEDILLA AND BREV
1E1E        ; DISALLOWED  # LATIN CAPITAL LETTER F WITH DOT ABOVE
1E1F        ; PVALID  # LATIN SMALL LETTER F WITH DOT ABOVE
1E20        ; DISALLOWED  # LATIN CAPITAL LETTER G WITH MACRON
1E21        ; PVALID  # LATIN SMALL LETTER G WITH MACRON
1E22        ; DISALLOWED  # LATIN CAPITAL LETTER H WITH DOT ABOVE
1E23        ; PVALID  # LATIN SMALL LETTER H WITH DOT ABOVE
1E24        ; DISALLOWED  # LATIN CAPITAL LETTER H WITH DOT BELOW
1E25        ; PVALID  # LATIN SMALL LETTER H WITH DOT BELOW
1E26        ; DISALLOWED  # LATIN CAPITAL LETTER H WITH DIAERESIS
1E27        ; PVALID  # LATIN SMALL LETTER H WITH DIAERESIS
1E28        ; DISALLOWED  # LATIN CAPITAL LETTER H WITH CEDILLA
1E29        ; PVALID  # LATIN SMALL LETTER H WITH CEDILLA
1E2A        ; DISALLOWED  # LATIN CAPITAL LETTER H WITH BREVE BELOW
1E2B        ; PVALID        # LATIN SMALL LETTER H WITH BREVE BELOW
1E2C        ; DISALLOWED   # LATIN CAPITAL LETTER I WITH TILDE BELOW
1E2D        ; PVALID        # LATIN SMALL LETTER I WITH TILDE BELOW
1E2E        ; DISALLOWED   # LATIN CAPITAL LETTER I WITH DIAERESIS AND AC
1E2F        ; PVALID        # LATIN SMALL LETTER I WITH DIAERESIS AND ACUT
1E30        ; DISALLOWED   # LATIN CAPITAL LETTER K WITH ACUTE
1E31        ; PVALID        # LATIN SMALL LETTER K WITH ACUTE
1E32        ; DISALLOWED   # LATIN CAPITAL LETTER K WITH DOT BELOW
1E33        ; PVALID        # LATIN SMALL LETTER K WITH DOT BELOW
1E34        ; DISALLOWED   # LATIN CAPITAL LETTER K WITH LINE BELOW
1E35        ; PVALID        # LATIN SMALL LETTER K WITH LINE BELOW
1E36        ; DISALLOWED   # LATIN CAPITAL LETTER L WITH DOT BELOW
1E37        ; PVALID        # LATIN SMALL LETTER L WITH DOT BELOW
1E38        ; DISALLOWED   # LATIN CAPITAL LETTER L WITH DOT BELOW AND MA
1E39        ; PVALID        # LATIN SMALL LETTER L WITH DOT BELOW AND MACR
1E3A        ; DISALLOWED   # LATIN CAPITAL LETTER L WITH LINE BELOW
1E3B        ; PVALID        # LATIN SMALL LETTER L WITH LINE BELOW
1E3C        ; DISALLOWED   # LATIN CAPITAL LETTER L WITH CIRCUMFLEX BELOW
1E3D        ; PVALID        # LATIN SMALL LETTER L WITH CIRCUMFLEX BELOW
1E3E        ; DISALLOWED   # LATIN CAPITAL LETTER M WITH ACUTE
1E3F        ; PVALID        # LATIN SMALL LETTER M WITH ACUTE
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1E43        ; PVALID        # LATIN SMALL LETTER M WITH DOT BELOW
1E44        ; DISALLOWED   # LATIN CAPITAL LETTER N WITH DOT ABOVE
1E45        ; PVALID        # LATIN SMALL LETTER N WITH DOT ABOVE
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1E47        ; PVALID        # LATIN SMALL LETTER N WITH DOT BELOW
1E48        ; DISALLOWED   # LATIN CAPITAL LETTER N WITH LINE BELOW
1E49        ; PVALID        # LATIN SMALL LETTER N WITH LINE BELOW
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1E4B        ; PVALID        # LATIN SMALL LETTER N WITH CIRCUMFLEX BELOW
1E4C        ; DISALLOWED   # LATIN CAPITAL LETTER O WITH TILDE AND ACUTE
1E4D        ; PVALID        # LATIN SMALL LETTER O WITH TILDE AND ACUTE
1E4E        ; DISALLOWED   # LATIN CAPITAL LETTER O WITH TILDE AND DIAER
1E4F        ; PVALID        # LATIN SMALL LETTER O WITH TILDE AND DIAERESI
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1E52        ; DISALLOWED   # LATIN CAPITAL LETTER O WITH MACRON AND ACUTE
1E53        ; PVALID        # LATIN SMALL LETTER O WITH MACRON AND ACUTE
1E54        ; DISALLOWED   # LATIN CAPITAL LETTER P WITH ACUTE
1E55        ; PVALID        # LATIN SMALL LETTER P WITH ACUTE
1E56        ; DISALLOWED   # LATIN CAPITAL LETTER P WITH DOT ABOVE
1E57        ; PVALID        # LATIN SMALL LETTER P WITH DOT ABOVE
1E58        ; DISALLOWED   # LATIN CAPITAL LETTER R WITH DOT ABOVE
1E59        ; PVALID        # LATIN SMALL LETTER R WITH DOT ABOVE
1E5A        ; DISALLOWED   # LATIN CAPITAL LETTER R WITH DOT BELOW
1E5B        ; PVALID      # LATIN SMALL LETTER R WITH DOT BELOW
1E5C        ; DISALLOWED # LATIN CAPITAL LETTER R WITH DOT BELOW AND MA
1E5D        ; PVALID      # LATIN SMALL LETTER R WITH DOT BELOW AND MACR
1E5E        ; DISALLOWED # LATIN CAPITAL LETTER R WITH LINE BELOW
1E5F        ; PVALID      # LATIN SMALL LETTER R WITH LINE BELOW
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1E62        ; DISALLOWED # LATIN CAPITAL LETTER S WITH DOT BELOW
1E63        ; PVALID      # LATIN SMALL LETTER S WITH DOT BELOW
1E64        ; DISALLOWED # LATIN CAPITAL LETTER S WITH ACUTE AND DOT AB
1E65        ; PVALID      # LATIN SMALL LETTER S WITH ACUTE AND DABOV
1E66        ; DISALLOWED # LATIN CAPITAL LETTER S WITH CARON AND DOT AB
1E67        ; PVALID      # LATIN SMALL LETTER S WITH CARON AND DABOV
1E68        ; DISALLOWED # LATIN CAPITAL LETTER S WITH DOT BELOW AND DO
1E69        ; PVALID      # LATIN SMALL LETTER S WITH DOT BELOW AND DO
1E6A        ; DISALLOWED # LATIN CAPITAL LETTER T WITH DOT ABOVE
1E6B        ; PVALID      # LATIN SMALL LETTER T WITH DOT ABOVE
1E6C        ; DISALLOWED # LATIN CAPITAL LETTER T WITH DOT BELOW
1E6D        ; PVALID      # LATIN SMALL LETTER T WITH DOT BELOW
1E6E        ; DISALLOWED # LATIN CAPITAL LETTER T WITH LINE BELOW
1E6F        ; PVALID      # LATIN SMALL LETTER T WITH LINE BELOW
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1E75        ; PVALID      # LATIN SMALL LETTER U WITH TILDE BELOW
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1E77        ; PVALID      # LATIN SMALL LETTER U WITH CIRCUMFLEX BELOW
1E78        ; DISALLOWED # LATIN CAPITAL LETTER U WITH TILDE AND ACUTE
1E79        ; PVALID      # LATIN SMALL LETTER U WITH TILDE AND ACUTE
1E7A        ; DISALLOWED # LATIN CAPITAL LETTER U WITH MACRON AND DIAER
1E7B        ; PVALID      # LATIN SMALL LETTER U WITH MACRON AND DIAERES
1E7C        ; DISALLOWED # LATIN CAPITAL LETTER V WITH TILDE
1E7D        ; PVALID      # LATIN SMALL LETTER V WITH TILDE
1E7E        ; DISALLOWED # LATIN CAPITAL LETTER V WITH DOT BELOW
1E7F        ; PVALID      # LATIN SMALL LETTER V WITH DOT BELOW
1E80        ; DISALLOWED # LATIN CAPITAL LETTER W WITH GRAVE
1E81        ; PVALID      # LATIN SMALL LETTER W WITH GRAVE
1E82        ; DISALLOWED # LATIN CAPITAL LETTER W WITH ACUTE
1E83        ; PVALID      # LATIN SMALL LETTER W WITH ACUTE
1E84        ; DISALLOWED # LATIN CAPITAL LETTER W WITH DIAERESIS
1E85        ; PVALID      # LATIN SMALL LETTER W WITH DIAERESIS
1E86        ; DISALLOWED # LATIN CAPITAL LETTER W WITH DOT ABOVE
1E87        ; PVALID      # LATIN SMALL LETTER W WITH DOT ABOVE
1E88        ; DISALLOWED # LATIN CAPITAL LETTER W WITH DOT BELOW
1E89        ; PVALID      # LATIN SMALL LETTER W WITH DOT BELOW
1E8A        ; DISALLOWED # LATIN CAPITAL LETTER X WITH DOT ABOVE
1E8B        ; PVALID      # LATIN SMALL LETTER X WITH DOT ABOVE
1E8C        ; DISALLOWED # LATIN CAPITAL LETTER X WITH DIAERESIS
1E8D        ; PVALID      # LATIN SMALL LETTER X WITH DIAERESIS
1E8E        ; DISALLOWED # LATIN CAPITAL LETTER Y WITH DOT ABOVE
1E8F        ; PVALID      # LATIN SMALL LETTER Y WITH DOT ABOVE
1E90        ; DISALLOWED # LATIN CAPITAL LETTER Z WITH CIRCUMFLEX
1E91        ; PVALID      # LATIN SMALL LETTER Z WITH CIRCUMFLEX
1E92        ; DISALLOWED # LATIN CAPITAL LETTER Z WITH DOT BELOW
1E93        ; PVALID      # LATIN SMALL LETTER Z WITH DOT BELOW
1E94        ; DISALLOWED # LATIN CAPITAL LETTER Z WITH LINE BELOW
1E95..1E99  ; PVALID      # LATIN SMALL LETTER Z WITH LINE BELOW...LATIN
1E9A..1E9B  ; DISALLOWED # LATIN SMALL LETTER A WITH RIGHT HALF RING..L
1E9C..1E9D  ; PVALID      # LATIN SMALL LETTER LONG S WITH DIAGONAL STRO
1E9E        ; DISALLOWED # LATIN CAPITAL LETTER SHARP S
1E9F        ; PVALID      # LATIN SMALL LETTER DELTA
1EA0        ; DISALLOWED # LATIN CAPITAL LETTER A WITH DOT BELOW
1EA1        ; PVALID      # LATIN SMALL LETTER A WITH DOT BELOW
1EA2        ; DISALLOWED # LATIN CAPITAL LETTER A WITH HOOK ABOVE
1EA3        ; PVALID      # LATIN SMALL LETTER A WITH HOOK ABOVE
1EA4        ; DISALLOWED # LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND A
1EA5        ; PVALID      # LATIN SMALL LETTER A WITH CIRCUMFLEX AND ACU
1EA6        ; DISALLOWED # LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND G
1EA7        ; PVALID      # LATIN SMALL LETTER A WITH CIRCUMFLEX AND GRA
1EA8        ; DISALLOWED # LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND H
1EA9        ; PVALID      # LATIN SMALL LETTER A WITH CIRCUMFLEX AND HOO
1EAA        ; DISALLOWED # LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND T
1EAB        ; PVALID      # LATIN SMALL LETTER A WITH CIRCUMFLEX AND TIL
1EAC        ; DISALLOWED # LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND D
1EAD        ; PVALID      # LATIN SMALL LETTER A WITH CIRCUMFLEX AND DOT
1EAE        ; DISALLOWED # LATIN CAPITAL LETTER A WITH BREVE AND ACUTE
1EAF        ; PVALID      # LATIN SMALL LETTER A WITH BREVE AND ACUTE
1EB0        ; DISALLOWED # LATIN CAPITAL LETTER A WITH BREVE AND GRAVE
1EB1        ; PVALID      # LATIN SMALL LETTER A WITH BREVE AND GRAVE
1EB2        ; DISALLOWED # LATIN CAPITAL LETTER A WITH BREVE AND HOOK A
1EB3        ; PVALID      # LATIN SMALL LETTER A WITH BREVE AND HOOK ABO
1EB4        ; DISALLOWED # LATIN CAPITAL LETTER A WITH BREVE AND TILDE
1EB5        ; PVALID      # LATIN SMALL LETTER A WITH BREVE AND TILDE
1EB6        ; DISALLOWED # LATIN CAPITAL LETTER A WITH BREVE AND DOT BELOW
1EB7        ; PVALID      # LATIN SMALL LETTER A WITH BREVE AND DOT BELOW
1EB8        ; DISALLOWED # LATIN CAPITAL LETTER E WITH DOT BELOW
1EB9        ; PVALID      # LATIN SMALL LETTER E WITH DOT BELOW
1EBA        ; DISALLOWED # LATIN CAPITAL LETTER E WITH HOOK ABOVE
1EBB        ; PVALID      # LATIN SMALL LETTER E WITH HOOK ABOVE
1EBC        ; DISALLOWED # LATIN CAPITAL LETTER E WITH TILDE
1EBD        ; PVALID      # LATIN SMALL LETTER E WITH TILDE
1EBE        ; DISALLOWED # LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND A
1EBF        ; PVALID      # LATIN SMALL LETTER E WITH CIRCUMFLEX AND ACU
1EC0        ; DISALLOWED # LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND G
1EC1 ; PVALID  # LATIN SMALL LETTER E WITH CIRCUMFLEX AND GRA
1EC2 ; DISALLOWED  # LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND H
1EC3 ; PVALID  # LATIN SMALL LETTER E WITH CIRCUMFLEX AND HOO
1EC4 ; DISALLOWED  # LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND T
1EC5 ; PVALID  # LATIN SMALL LETTER E WITH CIRCUMFLEX AND TIL
1EC6 ; DISALLOWED  # LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND D
1EC7 ; PVALID  # LATIN SMALL LETTER E WITH CIRCUMFLEX AND DOT
1EC8 ; DISALLOWED  # LATIN CAPITAL LETTER I WITH HOOK ABOVE
1EC9 ; PVALID  # LATIN SMALL LETTER I WITH HOOK ABOVE
1ECA ; DISALLOWED  # LATIN CAPITAL LETTER I WITH DOT BELOW
1ECB ; PVALID  # LATIN SMALL LETTER I WITH DOT BELOW
1ECC ; DISALLOWED  # LATIN CAPITAL LETTER O WITH DOT BELOW
1ECD ; PVALID  # LATIN SMALL LETTER O WITH DOT BELOW
1ECE ; DISALLOWED  # LATIN CAPITAL LETTER O WITH HOOK ABOVE
1ECF ; PVALID  # LATIN SMALL LETTER O WITH HOOK ABOVE
1ED0 ; DISALLOWED  # LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND A
1ED1 ; PVALID  # LATIN SMALL LETTER O WITH CIRCUMFLEX AND ACU
1ED2 ; DISALLOWED  # LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND G
1ED3 ; PVALID  # LATIN SMALL LETTER O WITH CIRCUMFLEX AND GRA
1ED4 ; DISALLOWED  # LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND H
1ED5 ; PVALID  # LATIN SMALL LETTER O WITH CIRCUMFLEX AND HOO
1ED6 ; DISALLOWED  # LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND T
1ED7 ; PVALID  # LATIN SMALL LETTER O WITH CIRCUMFLEX AND TIL
1ED8 ; DISALLOWED  # LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND D
1ED9 ; PVALID  # LATIN SMALL LETTER O WITH CIRCUMFLEX AND ACUTE
1EDA ; DISALLOWED  # LATIN CAPITAL LETTER O WITH HORN AND ACUTE
1EDB ; PVALID  # LATIN SMALL LETTER O WITH HORN AND ACUTE
1EDC ; DISALLOWED  # LATIN CAPITAL LETTER O WITH HORN AND GRAVE
1EDD ; PVALID  # LATIN SMALL LETTER O WITH HORN AND GRAVE
1EDE ; DISALLOWED  # LATIN CAPITAL LETTER O WITH HORN AND HOOK ABOVE
1EDF ; PVALID  # LATIN SMALL LETTER O WITH HORN AND HOOK ABOVE
1EE0 ; DISALLOWED  # LATIN CAPITAL LETTER O WITH HORN AND TILDE
1EE1 ; PVALID  # LATIN SMALL LETTER O WITH HORN AND TILDE
1EE2 ; DISALLOWED  # LATIN CAPITAL LETTER O WITH DOT BELOW
1EE3 ; PVALID  # LATIN SMALL LETTER O WITH DOT BELOW
1EE4 ; DISALLOWED  # LATIN CAPITAL LETTER U WITH DOT BELOW
1EE5 ; PVALID  # LATIN SMALL LETTER U WITH DOT BELOW
1EE6 ; DISALLOWED  # LATIN CAPITAL LETTER U WITH HOOK ABOVE
1EE7 ; PVALID  # LATIN SMALL LETTER U WITH HOOK ABOVE
1EE8 ; DISALLOWED  # LATIN CAPITAL LETTER U WITH HORN AND ACUTE
1EE9 ; PVALID  # LATIN SMALL LETTER U WITH HORN AND ACUTE
1EEA ; DISALLOWED  # LATIN CAPITAL LETTER U WITH HORN AND GRAVE
1EEB ; PVALID  # LATIN SMALL LETTER U WITH HORN AND GRAVE
1ECC ; DISALLOWED  # LATIN CAPITAL LETTER U WITH HORN AND HOOK ABOVE
1EDE ; PVALID  # LATIN SMALL LETTER U WITH HORN AND HOOK ABOVE
1EEE ; DISALLOWED  # LATIN CAPITAL LETTER U WITH HORN AND TILDE
1EEF ; PVALID  # LATIN SMALL LETTER U WITH HORN AND TILDE
1EF0 ; DISALLOWED  # LATIN CAPITAL LETTER U WITH HORN AND DOT BELOW
1EF1        ; PVALID      # LATIN SMALL LETTER U WITH HORN AND DOT BELOW
1EF2        ; DISALLOWED # LATIN CAPITAL LETTER Y WITH GRAVE
1EF3        ; PVALID      # LATIN SMALL LETTER Y WITH GRAVE
1EF4        ; DISALLOWED # LATIN CAPITAL LETTER Y WITH DOT BELOW
1EF5        ; PVALID      # LATIN SMALL LETTER Y WITH DOT BELOW
1EF6        ; DISALLOWED # LATIN CAPITAL LETTER Y WITH HOOK ABOVE
1EF7        ; PVALID      # LATIN SMALL LETTER Y WITH HOOK ABOVE
1EF8        ; DISALLOWED # LATIN CAPITAL LETTER Y WITH TILDE
1EF9        ; PVALID      # LATIN SMALL LETTER Y WITH TILDE
1EFA        ; DISALLOWED # LATIN CAPITAL LETTER MIDDLE-WELSH LL
1EFB        ; PVALID      # LATIN SMALL LETTER MIDDLE-WELSH LL
1EFC        ; DISALLOWED # LATIN CAPITAL LETTER MIDDLE-WELSH V
1EFD        ; PVALID      # LATIN SMALL LETTER MIDDLE-WELSH V
1EFE        ; DISALLOWED # LATIN CAPITAL LETTER Y WITH LOOP
1EFF..1F07  ; PVALID      # LATIN SMALL LETTER Y WITH LOOP..GREEK SMALL
1F08..1F0F  ; DISALLOWED # GREEK CAPITAL LETTER ALPHA WITH PSILI..GREEK
1F10..1F15  ; PVALID      # GREEK SMALL LETTER EPSILON WITH PSILI..GREEK
1F16..1F17  ; UNASSIGNED # <reserved>..<reserved>
1F18..1F1D  ; DISALLOWED # GREEK CAPITAL LETTER EPSILON WITH PSILI..GREEK
1F1E..1F1F  ; UNASSIGNED # <reserved>..<reserved>
1F20..1F27  ; PVALID      # GREEK SMALL LETTER ETA WITH PSILI..GREEK SMA
1F28..1F2F  ; DISALLOWED # GREEK CAPITAL LETTER ETA WITH PSILI..GREEK C
1F30..1F37  ; PVALID      # GREEK SMALL LETTER IOTA WITH PSILI..GREEK SM
1F38..1F3F  ; DISALLOWED # GREEK CAPITAL LETTER IOTA WITH PSILI..GREEK
1F40..1F45  ; PVALID      # GREEK SMALL LETTER OMICRON WITH PSILI..GREEK
1F46..1F47  ; UNASSIGNED # <reserved>..<reserved>
1F48..1F4D  ; DISALLOWED # GREEK CAPITAL LETTER OMICRON WITH PSILI..GREEK
1F4E..1F4F  ; UNASSIGNED # <reserved>..<reserved>
1F50..1F57  ; PVALID      # GREEK SMALL LETTER UPSILON WITH PSILI..GREEK
1F58        ; UNASSIGNED # <reserved>
1F59        ; DISALLOWED # GREEK CAPITAL LETTER UPSILON WITH DASIA
1F5A        ; UNASSIGNED # <reserved>
1F5B        ; DISALLOWED # GREEK CAPITAL LETTER UPSILON WITH DASIA AND
1F5C        ; UNASSIGNED # <reserved>
1F5D        ; DISALLOWED # GREEK CAPITAL LETTER UPSILON WITH DASIA AND
1F5E        ; UNASSIGNED # <reserved>
1F5F        ; DISALLOWED # GREEK CAPITAL LETTER UPSILON WITH DASIA AND
1F60..1F67  ; PVALID      # GREEK SMALL LETTER OMEGA WITH PSILI..GREEK S
1F68..1F6F  ; DISALLOWED # GREEK CAPITAL LETTER OMEGA WITH PSILI..GREEK
1F70        ; PVALID      # GREEK SMALL LETTER ALPHA WITH VARIA
1F71        ; DISALLOWED # GREEK SMALL LETTER ALPHA WITH OXIA
1F72        ; PVALID      # GREEK SMALL LETTER EPSILON WITH VARIA
1F73        ; DISALLOWED # GREEK SMALL LETTER EPSILON WITH OXIA
1F74        ; PVALID      # GREEK SMALL LETTER ETA WITH VARIA
1F75        ; DISALLOWED # GREEK SMALL LETTER ETA WITH OXIA
1F76        ; PVALID      # GREEK SMALL LETTER IOTA WITH VARIA
1F77        ; DISALLOWED # GREEK SMALL LETTER IOTA WITH OXIA
1F78        ; PVALID      # GREEK SMALL LETTER OMICRON WITH VARIA
1F79 ; DISALLOWED # GREEK SMALL LETTER OMICRON WITH OXIA
1F7A ; PVALID # GREEK SMALL LETTER UPSILON WITH VARIA
1F7B ; DISALLOWED # GREEK SMALL LETTER UPSILON WITH OXIA
1F7C ; PVALID # GREEK SMALL LETTER OMEGA WITH VARIA
1F7D ; DISALLOWED # GREEK SMALL LETTER OMEGA WITH OXIA
1F7E..1F7F ; UNASSIGNED # <reserved>..<reserved>
1F80..1F8F ; DISALLOWED # GREEK SMALL LETTER ALPHA WITH PSI LI AND YPOG
1F80..1F81 ; PVALID # GREEK SMALL LETTER ALPHA WITH VRACHY..GREEK
1F82..1F84 ; DISALLOWED # GREEK SMALL LETTER ALPHA WITH VARIA AND YPOG
1F85 ; UNASSIGNED # <reserved>
1F86 ; PVALID # GREEK SMALL LETTER ALPHA WITH PERISPOMENI
1F87..1F8C ; DISALLOWED # GREEK SMALL LETTER ALPHA WITH PERISPOMENI AN
1F8D ; UNASSIGNED # <reserved>
1F8E ; PVALID # GREEK SMALL LETTER ETA WITH PERISPOMENI
1F8F..1F93 ; DISALLOWED # GREEK SMALL LETTER ETA WITH PERISPOMENI AND
1F90..1F92 ; PVALID # GREEK SMALL LETTER IOTA WITH VRACHY..GREEK S
1F93 ; DISALLOWED # GREEK SMALL LETTER IOTA WITH DIALYTIKA AND O
1F94..1F96 ; UNASSIGNED # <reserved>..<reserved>
1F97..1F98 ; PVALID # GREEK SMALL LETTER IOTA WITH PERISPOMENI..GREEK
1F99..1F9A ; DISALLOWED # GREEK CAPITAL LETTER IOTA WITH VRACHY..GREEK
1F9B ; UNASSIGNED # <reserved>
1F9C..1F9E ; DISALLOWED # GREEK DASIA AND VARIA..GREEK DASIA AND PERIS
1FA0..1FAE ; DISALLOWED # GREEK SMALL LETTER UPSILON WITH VRACHY..GREEK
1FA1 ; PVALID # GREEK SMALL LETTER UPSILON WITH DIALYTIKA AN
1FA2..1FA5 ; DISALLOWED # GREEK SMALL LETTER RHO WITH PSI LI..GREEK SMA
1FA6..1FA7 ; PVALID # GREEK CAPITAL LETTER UPSILON WITH VRACHY..GREEK
1FA8 ; UNASSIGNED # <reserved>
1FA9 ; PVALID # GREEK SMALL LETTER OMEGA WITH PERISPOMENI
1FAA..1FAB ; DISALLOWED # GREEK SMALL LETTER OMEGA WITH PERISPOMENI AN
1FAC ; UNASSIGNED # <reserved>
1FAD..1FAF ; DISALLOWED # EN QUAD..ZERO WIDTH SPACE
2000..200B ; DISALLOWED # ZERO WIDTH SPACE
200C..200D ; CONTEXTJ # ZERO WIDTH NON-JOINER..ZERO WIDTH JOINER
200E..2064 ; DISALLOWED # LEFT-TO-RIGHT MARK..INVISIBLE PLUS
2065 ; UNASSIGNED # <reserved>
2066..2071 ; DISALLOWED # LEFT-TO-RIGHT ISOLATE..SUPERScript LATIN SMA
2072..2073 ; UNASSIGNED # <reserved>..<reserved>
2074..2075 ; DISALLOWED # SUPerscript FOUR..SUBSCRIPT RIGHT PARENTHESI
2076 ; UNASSIGNED # <reserved>
2079..207A ; DISALLOWED # LATIN SUBSCRIPT SMALL LETTER A..LATIN SUBSCR
207B..207C ; UNASSIGNED # <reserved>..<reserved>
207E..207F ; DISALLOWED # EURO-CURRENCY SIGN..BITCOIN SIGN
2080..208F ; UNASSIGNED # <reserved>..<reserved>
2090..2091 ; DISALLOWED # COMBINING LEFT HARPOON ABOVE..COMBINING ASTE
2092..2093 ; UNASSIGNED # <reserved>..<reserved>
2094..2095 ; DISALLOWED # ACCOUNT OF..AKTIESELS kab
214E ; PVALID # TURNED SMALL F
214F..2183 ; DISALLOWED # SYMBOL FOR SAMARITAN SOURCE..ROMAN NUMERAL R
2184 ; PVALID # LATIN SMALL LETTER REversed C
2185..218B ; DISALLOWED # ROMAN NUMERAL SIX LATE FORM..TURNED DIGIT TH
218C..218F ; UNASSIGNED # <reserved>..<reserved>
2190..2426 ; DISALLOWED # LEFTWARDS ARROW..SYMBOL FOR SUBSTITUTE FORM
2427..243F ; UNASSIGNED # <reserved>..<reserved>
2440..244A ; DISALLOWED # OCR HOOK..OCR DOUBLE BACKSLASH
244B..245F ; UNASSIGNED # <reserved>..<reserved>
2460..2B73 ; DISALLOWED # CIRCLED DIGIT ONE..DOWNWARDS TRIANGLE-HEADED
2B74..2B75 ; UNASSIGNED # <reserved>..<reserved>
2B76..2B95 ; DISALLOWED # NORTH WEST TRIANGLE-HEADED ARROW TO BAR..RIG
2B96..2B97 ; UNASSIGNED # <reserved>..<reserved>
2B98..2BC8 ; DISALLOWED # THREE-D TOP-LIGHTED LEFTWARDS EQUILATERAL AR
2BC9 ; UNASSIGNED # <reserved>
2BCA..2BFE ; DISALLOWED # TOP HALF BLACK CIRCLE..REVERSED RIGHT ANGLE
2BFF ; UNASSIGNED # <reserved>
2C00..2C2E ; DISALLOWED # GLAGOLITIC CAPITAL LETTER AZU..GLAGOLITIC CA
2C2F ; UNASSIGNED # <reserved>
2C30..2C5E ; PVALID # GLAGOLITIC SMALL LETTER AZU..GLAGOLITIC SMAL
2C5F ; UNASSIGNED # <reserved>
2C60 ; DISALLOWED # LATIN CAPITAL LETTER L WITH DOUBLE BAR
2C61 ; PVALID # LATIN SMALL LETTER L WITH DOUBLE BAR
2C62..2C64 ; DISALLOWED # LATIN CAPITAL LETTER L WITH MIDDLE TILDE..LA
2C65..2C66 ; PVALID # LATIN SMALL LETTER A WITH STROKE..LATIN SMAL
2C67 ; DISALLOWED # LATIN CAPITAL LETTER H WITH DESCENDER
2C68 ; PVALID # LATIN SMALL LETTER H WITH DESCENDER
2C69 ; DISALLOWED # LATIN CAPITAL LETTER K WITH DESCENDER
2C6A ; PVALID # LATIN SMALL LETTER K WITH DESCENDER
2C6B ; DISALLOWED # LATIN CAPITAL LETTER Z WITH DESCENDER
2C6C ; PVALID # LATIN SMALL LETTER Z WITH DESCENDER
2C6D..2C70 ; DISALLOWED # LATIN CAPITAL LETTER ALPHA..LATIN CAPITAL LE
2C71 ; PVALID # LATIN SMALL LETTER V WITH RIGHT HOOK
2C72 ; DISALLOWED # LATIN CAPITAL LETTER W WITH HOOK
2C73..2C74 ; PVALID # LATIN SMALL LETTER W WITH HOOK..LATIN SMALL
2C75 ; DISALLOWED # LATIN CAPITAL LETTER HALF H
2C76..2C7B ; PVALID # LATIN SMALL LETTER HALF H..LATIN LETTER SMAL
2C7C..2C80 ; DISALLOWED # LATIN SUBSCRIPT SMALL LETTER J..COPTIC CAPIT
2C81 ; PVALID # COPTIC SMALL LETTER ALFA
2C82 ; DISALLOWED # COPTIC CAPITAL LETTER VIDA
2C83 ; PVALID # COPTIC SMALL LETTER VIDA
2C84 ; DISALLOWED # COPTIC CAPITAL LETTER GAMMA
2C85 ; PVALID # COPTIC SMALL LETTER GAMMA
2C86 ; DISALLOWED # COPTIC CAPITAL LETTER DALDA
2C87 ; PVALID # COPTIC SMALL LETTER DALDA
2C88 ; DISALLOWED # COPTIC CAPITAL LETTER EIE
2C89 ; PVALID # COPTIC SMALL LETTER EIE
2C8A ; DISALLOWED # COPTIC CAPITAL LETTER SOU
2C8B ; PVALID # COPTIC SMALL LETTER SOU
2C8C  ; DISALLOWED  # COPTIC CAPITAL LETTER ZATA
2C8D  ; PVALID      # COPTIC SMALL LETTER ZATA
2C8E  ; DISALLOWED  # COPTIC CAPITAL LETTER HATE
2C8F  ; PVALID      # COPTIC SMALL LETTER HATE
2C90  ; DISALLOWED  # COPTIC CAPITAL LETTER THETHE
2C91  ; PVALID      # COPTIC SMALL LETTER THETHE
2C92  ; DISALLOWED  # COPTIC CAPITAL LETTER IAUDA
2C93  ; PVALID      # COPTIC SMALL LETTER IAUDA
2C94  ; DISALLOWED  # COPTIC CAPITAL LETTER KAPA
2C95  ; PVALID      # COPTIC SMALL LETTER KAPA
2C96  ; DISALLOWED  # COPTIC CAPITAL LETTER LAULA
2C97  ; PVALID      # COPTIC SMALL LETTER LAULA
2C98  ; DISALLOWED  # COPTIC CAPITAL LETTER MI
2C99  ; PVALID      # COPTIC SMALL LETTER MI
2C9A  ; DISALLOWED  # COPTIC CAPITAL LETTER NI
2C9B  ; PVALID      # COPTIC SMALL LETTER NI
2C9C  ; DISALLOWED  # COPTIC CAPITAL LETTER KSI
2C9D  ; PVALID      # COPTIC SMALL LETTER KSI
2C9E  ; DISALLOWED  # COPTIC CAPITAL LETTER O
2C9F  ; PVALID      # COPTIC SMALL LETTER O
2CA0  ; DISALLOWED  # COPTIC CAPITAL LETTER PI
2CA1  ; PVALID      # COPTIC SMALL LETTER PI
2CA2  ; DISALLOWED  # COPTIC CAPITAL LETTER RO
2CA3  ; PVALID      # COPTIC SMALL LETTER RO
2CA4  ; DISALLOWED  # COPTIC CAPITAL LETTER SIMA
2CA5  ; PVALID      # COPTIC SMALL LETTER SIMA
2CA6  ; DISALLOWED  # COPTIC CAPITAL LETTER TAU
2CA7  ; PVALID      # COPTIC SMALL LETTER TAU
2CA8  ; DISALLOWED  # COPTIC CAPITAL LETTER UA
2CA9  ; PVALID      # COPTIC SMALL LETTER UA
2CAA  ; DISALLOWED  # COPTIC CAPITAL LETTER FI
2CAB  ; PVALID      # COPTIC SMALL LETTER FI
2CAC  ; DISALLOWED  # COPTIC CAPITAL LETTER KHI
2CAD  ; PVALID      # COPTIC SMALL LETTER KHI
2CAE  ; DISALLOWED  # COPTIC CAPITAL LETTER PSI
2CAF  ; PVALID      # COPTIC SMALL LETTER PSI
2CB0  ; DISALLOWED  # COPTIC CAPITAL LETTER OOU
2CB1  ; PVALID      # COPTIC SMALL LETTER OOU
2CB2  ; DISALLOWED  # COPTIC CAPITAL LETTER DIALECT-P ALEF
2CB3  ; PVALID      # COPTIC SMALL LETTER DIALECT-P ALEF
2CB4  ; DISALLOWED  # COPTIC CAPITAL LETTER OLD COPTIC AIN
2CB5  ; PVALID      # COPTIC SMALL LETTER OLD COPTIC AIN
2CB6  ; DISALLOWED  # COPTIC CAPITAL LETTER CRYPTOGRAMMIC EIE
2CB7  ; PVALID      # COPTIC SMALL LETTER CRYPTOGRAMMIC EIE
2CB8  ; DISALLOWED  # COPTIC CAPITAL LETTER DIALECT-P KAPA
2CB9  ; PVALID      # COPTIC SMALL LETTER DIALECT-P KAPA
2CBA  ; DISALLOWED  # COPTIC CAPITAL LETTER DIALECT-P NI
2CBB  ; PVALID      # COPTIC SMALL LETTER DIALECT-P NI
2CBC  ; DISALLOWED # COPTIC CAPITAL LETTER CRYPTOGRAMMIC NI
2CBD  ; PVALID    # COPTIC SMALL LETTER CRYPTOGRAMMIC NI
2CBE  ; DISALLOWED # COPTIC CAPITAL LETTER OLD COPTIC OOU
2CBF  ; PVALID    # COPTIC SMALL LETTER OLD COPTIC OOU
2CC0  ; DISALLOWED # COPTIC CAPITAL LETTER SAMPi
2CC1  ; PVALID    # COPTIC SMALL LETTER SAMPi
2CC2  ; DISALLOWED # COPTIC CAPITAL LETTER CROSSED SHEI
2CC3  ; PVALID    # COPTIC SMALL LETTER CROSSED SHEI
2CC4  ; DISALLOWED # COPTIC CAPITAL LETTER OLD COPTIC SHEI
2CC5  ; PVALID    # COPTIC SMALL LETTER OLD COPTIC SHEI
2CC6  ; DISALLOWED # COPTIC CAPITAL LETTER OLD COPTIC ESH
2CC7  ; PVALID    # COPTIC SMALL LETTER OLD COPTIC ESH
2CC8  ; DISALLOWED # COPTIC CAPITAL LETTER AKHMIMIC KHEI
2CC9  ; PVALID    # COPTIC SMALL LETTER AKHMIMIC KHEI
2CA  ; DISALLOWED # COPTIC CAPITAL LETTER DIALECT-P HOrI
2CB  ; PVALID    # COPTIC SMALL LETTER DIALECT-P HOrI
2CC  ; DISALLOWED # COPTIC CAPITAL LETTER OLD COPTIC HOrI
2CD  ; PVALID    # COPTIC SMALL LETTER OLD COPTIC HOrI
2CE  ; DISALLOWED # COPTIC CAPITAL LETTER OLD COPTIC HA
2CF  ; PVALID    # COPTIC SMALL LETTER OLD COPTIC HA
2CD  ; DISALLOWED # COPTIC CAPITAL LETTER OLD COPTIC HEI
2CD  ; PVALID    # COPTIC SMALL LETTER OLD COPTIC HEI
2CD  ; DISALLOWED # COPTIC CAPITAL LETTER OLD COPTIC HAT
2CD  ; PVALID    # COPTIC SMALL LETTER OLD COPTIC HAT
2CD  ; DISALLOWED # COPTIC CAPITAL LETTER OLD COPTIC GANGIA
2CD  ; PVALID    # COPTIC SMALL LETTER OLD COPTIC GANGIA
2CD  ; DISALLOWED # COPTIC CAPITAL LETTER OLD COPTIC DJA
2CD  ; PVALID    # COPTIC SMALL LETTER OLD COPTIC DJA
2CD  ; DISALLOWED # COPTIC CAPITAL LETTER OLD COPTIC SHIMA
2CD  ; PVALID    # COPTIC SMALL LETTER OLD COPTIC SHIMA
2CD  ; DISALLOWED # COPTIC CAPITAL LETTER OLD NUBIAN SHIMA
2CD  ; PVALID    # COPTIC SMALL LETTER OLD NUBIAN SHIMA
2CD  ; DISALLOWED # COPTIC CAPITAL LETTER OLD NUBIAN NGI
2CD  ; PVALID    # COPTIC SMALL LETTER OLD NUBIAN NGI
2CE  ; DISALLOWED # COPTIC CAPITAL LETTER OLD NUBIAN NYI
2CE  ; PVALID    # COPTIC SMALL LETTER OLD NUBIAN NYI
2CE  ; DISALLOWED # COPTIC CAPITAL LETTER OLD NUBIAN WAU
2CE  ; PVALID    # COPTIC SMALL LETTER OLD NUBIAN WAU..COPTIC S
2CE  ; DISALLOWED # COPTIC SYMBOL MI RO..COPTIC CAPITAL LETTER C
2CE  ; PVALID    # COPTIC SMALL LETTER CRYPTOGRAMMIC SHEI
2CE  ; DISALLOWED # COPTIC CAPITAL LETTER CRYPTOGRAMMIC GANGIA
2CE  ; PVALID    # COPTIC SMALL LETTER CRYPTOGRAMMIC GANGIA..CO
2CF  ; DISALLOWED # COPTIC CAPITAL LETTER BOHAIRIC KHEI
2CF  ; PVALID    # COPTIC SMALL LETTER BOHAIRIC KHEI
2CF  ; DISALLOWED # COPTIC CAPITAL LETTER BOHAIRIC KHEI
2CF  ; PVALID    # COPTIC SMALL LETTER BOHAIRIC KHEI
2CF  ; DISALLOWED # COPTIC OLD NUBIAN FULL STOP..COPTIC MORPHOLO
2D00..2D25  ; PVALID  # GEORGIAN SMALL LETTER AN..GEORGIAN SMALL LETTER AE
2D26        ; UNASSIGNED # <reserved>
2D27        ; PVALID  # GEORGIAN SMALL LETTER YN
2D28..2D2C  ; UNASSIGNED # <reserved>..<reserved>
2D2D        ; PVALID  # GEORGIAN SMALL LETTER AEN
2D2E..2D2F  ; UNASSIGNED # <reserved>..<reserved>
2D30..2D67  ; PVALID  # TIFINAGH LETTER YA..TIFINAGH LETTER YO
2D68..2D6E  ; UNASSIGNED # <reserved>..<reserved>
2D6F..2D70  ; DISALLOWED # TIFINAGH MODIFIER LETTER LABIALIZATION MARK.
2D71..2D7E  ; UNASSIGNED # <reserved>..<reserved>
2D7F..2D96  ; PVALID  # TIFINAGH CONSONANT JOINER..ETHIOPIC SYLLABLE
2D97..2D9F  ; UNASSIGNED # <reserved>..<reserved>
2DA0..2DA6  ; PVALID  # ETHIOPIC SYLLABLE SSA..ETHIOPIC SYLLABLE SSO
2DA7        ; UNASSIGNED # <reserved>
2DAA..2DAE  ; PVALID  # ETHIOPIC SYLLABLE CCA..ETHIOPIC SYLLABLE CCO
2DAF        ; UNASSIGNED # <reserved>
2DB0..2DB6  ; PVALID  # ETHIOPIC SYLLABLE ZZA..ETHIOPIC SYLLABLE ZZO
2DB7        ; UNASSIGNED # <reserved>
2DBB..2DBE  ; PVALID  # ETHIOPIC SYLLABLE CCHA..ETHIOPIC SYLLABLE CC
2DBF        ; UNASSIGNED # <reserved>
2DC0..2DC6  ; PVALID  # ETHIOPIC SYLLABLE QYA..ETHIOPIC SYLLABLE QYO
2DC7        ; UNASSIGNED # <reserved>
2DC8..2DCE  ; PVALID  # ETHIOPIC SYLLABLE KYA..ETHIOPIC SYLLABLE KYO
2DCF        ; UNASSIGNED # <reserved>
2DD0..2DD6  ; PVALID  # ETHIOPIC SYLLABLE XYA..ETHIOPIC SYLLABLE XYO
2DD7        ; UNASSIGNED # <reserved>
2DD8..2DDE  ; PVALID  # ETHIOPIC SYLLABLE GYA..ETHIOPIC SYLLABLE GYO
2DDF        ; UNASSIGNED # <reserved>
2DE0..2DFF  ; PVALID  # COMBINING CYRILLIC LETTER BE..COMBINING CYRILIC
2E00..2E2E  ; DISALLOWED # RIGHT ANGLE SUBSTITUTION MARKER..REVERSED QU
2E2F        ; PVALID  # VERTICAL TILDE
2E30..2E4E  ; DISALLOWED # RING POINT..PUNCTUS ELEVATUS MARK
2E4F..2E7F  ; UNASSIGNED # <reserved>..<reserved>
2E80..2E99  ; DISALLOWED # CJK RADICAL REPEAT..CJK RADICAL RAP
2E9A        ; UNASSIGNED # <reserved>
2E9B..2EF3  ; DISALLOWED # CJK RADICAL CHOKER..CJK RADICAL C-SIMPLIFIED
2EFF..2F00  ; UNASSIGNED # <reserved>..<reserved>
2F00..2FD5  ; DISALLOWED # KANGXI RADICAL ONE..KANGXI RADICAL FLUTE
2FDE..2FEF  ; UNASSIGNED # <reserved>..<reserved>
2FF0..2FFB  ; DISALLOWED # IDEOGRAPHIC DESCRIPTION CHARACTER LEFT TO RI
2FFC..2FFF  ; UNASSIGNED # <reserved>..<reserved>
3000..3004  ; DISALLOWED # IDEOGRAPHIC SPACE..JAPANESE INDUSTRIAL STAND
3005..3007  ; PVALID  # IDEOGRAPHIC ITERATION MARK..IDEOGRAPHIC NUMBER
3008..3029  ; DISALLOWED # LEFT ANGLE BRACKET..HANGZHOU NUMERAL NINE
302A..302D  ; PVALID  # IDEOGRAPHIC LEVEL TONE MARK..IDEOGRAPHIC ENT
302E..303B  ; DISALLOWED # HANGUL SINGLE DOT TONE MARK..VERTICAL IDEOGRAPH
303C        ; PVALID  # MASU MARK
303D..303F  ; DISALLOWED # PART ALTERNATION MARK..IDEOGRAPHIC HALF-FULL

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<th>Character Set</th>
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A685        ; PVALID     # CYRILLIC SMALL LETTER ZHWE
A686        ; DISALLOWED # CYRILLIC CAPITAL LETTER CCHE
A687        ; PVALID     # CYRILLIC SMALL LETTER CCHE
A688        ; DISALLOWED # CYRILLIC CAPITAL LETTER DZZE
A689        ; PVALID     # CYRILLIC SMALL LETTER DZZE
A68A        ; DISALLOWED # CYRILLIC CAPITAL LETTER TE WITH MIDDLE HOOK
A68B        ; PVALID     # CYRILLIC SMALL LETTER TE WITH MIDDLE HOOK
A68C        ; DISALLOWED # CYRILLIC CAPITAL LETTER TWE
A68D        ; PVALID     # CYRILLIC SMALL LETTER TWE
A68E        ; DISALLOWED # CYRILLIC CAPITAL LETTER TSWE
A68F        ; PVALID     # CYRILLIC SMALL LETTER TSWE
A690        ; DISALLOWED # CYRILLIC CAPITAL LETTER TSSE
A691        ; PVALID     # CYRILLIC SMALL LETTER TSSE
A692        ; DISALLOWED # CYRILLIC CAPITAL LETTER TCHE
A693        ; PVALID     # CYRILLIC SMALL LETTER TCHE
A694        ; DISALLOWED # CYRILLIC CAPITAL LETTER HWE
A695        ; PVALID     # CYRILLIC SMALL LETTER HWE
A696        ; DISALLOWED # CYRILLIC CAPITAL LETTER SHWE
A697        ; PVALID     # CYRILLIC SMALL LETTER SHWE
A698        ; DISALLOWED # CYRILLIC CAPITAL LETTER DOUBLE O
A699        ; PVALID     # CYRILLIC SMALL LETTER DOUBLE O
A69A        ; DISALLOWED # CYRILLIC CAPITAL LETTER CROSSED O
A69B        ; PVALID     # CYRILLIC SMALL LETTER CROSSED O
A69C..A69D  ; DISALLOWED # MODIFIER LETTER CYRILLIC HARD SIGN..MODIFIER
A69E..A6E5  ; PVALID     # COMBINING CYRILLIC LETTER EF..BAMUM LETTER K
A6E6..A6EF  ; DISALLOWED # BAMUM LETTER MO..BAMUM LETTER KOGHOM
A6F0..A6F1  ; PVALID     # BAMUM COMBINING MARK KOQNDON..BAMUM COMBINING MARK KOQNDON
A6F2..A6F7  ; DISALLOWED # BAMUM NJAEMLI..BAMUM QUESTION MARK
A6F8..A6FF  ; UNASSIGNED # <reserved>..<reserved>
A700..A716  ; DISALLOWED # MODIFIER LETTER CHINESE TONE YIN PING..MODIFIER
A717..A71F  ; PVALID     # MODIFIER LETTER DOT VERTICAL BAR..MODIFIER L
A720..A722  ; DISALLOWED # MODIFIER LETTER STRESS AND HIGH TONE..LATIN
A723        ; PVALID     # LATIN SMALL LETTER EGYPTOLOGICAL ALEF
A724        ; DISALLOWED # LATIN CAPITAL LETTER EGYPTOLOGICAL AIN
A725        ; PVALID     # LATIN SMALL LETTER EGYPTOLOGICAL AIN
A726        ; DISALLOWED # LATIN CAPITAL LETTER HENG
A727        ; PVALID     # LATIN SMALL LETTER HENG
A728        ; DISALLOWED # LATIN CAPITAL LETTER TZ
A729        ; PVALID     # LATIN SMALL LETTER TZ
A72A        ; DISALLOWED # LATIN CAPITAL LETTER TRESILLO
A72B        ; PVALID     # LATIN SMALL LETTER TRESILLO
A72C        ; DISALLOWED # LATIN CAPITAL LETTER CUATRILLO
A72D        ; PVALID     # LATIN SMALL LETTER CUATRILLO
A72E        ; DISALLOWED # LATIN CAPITAL LETTER CUATRILLO WITH COMMA
A72F..A731  ; PVALID     # LATIN SMALL LETTER CUATRILLO WITH COMMA..LAT
A732        ; DISALLOWED # LATIN CAPITAL LETTER AA
A733        ; PVALID     # LATIN SMALL LETTER AA
A734  ; DISALLOWED  # LATIN CAPITAL LETTER AO
A735  ; PVALID   # LATIN SMALL LETTER AO
A736  ; DISALLOWED  # LATIN CAPITAL LETTER AU
A737  ; PVALID   # LATIN SMALL LETTER AU
A738  ; DISALLOWED  # LATIN CAPITAL LETTER AV
A739  ; PVALID   # LATIN SMALL LETTER AV
A73A  ; DISALLOWED  # LATIN CAPITAL LETTER AV WITH HORIZONTAL BAR
A73B  ; PVALID   # LATIN SMALL LETTER AV WITH HORIZONTAL BAR
A73C  ; DISALLOWED  # LATIN CAPITAL LETTER AY
A73D  ; PVALID   # LATIN SMALL LETTER AY
A73E  ; DISALLOWED  # LATIN CAPITAL LETTER REVERSED C WITH DOT
A73F  ; PVALID   # LATIN SMALL LETTER REVERSED C WITH DOT
A740  ; DISALLOWED  # LATIN CAPITAL LETTER K WITH STROKE
A741  ; PVALID   # LATIN SMALL LETTER K WITH STROKE
A742  ; DISALLOWED  # LATIN CAPITAL LETTER K WITH DIAGONAL STROKE
A743  ; PVALID   # LATIN SMALL LETTER K WITH DIAGONAL STROKE
A744  ; DISALLOWED  # LATIN CAPITAL LETTER K WITH STROKE AND DIAGO
A745  ; PVALID   # LATIN SMALL LETTER K WITH STROKE AND DIAGONA
A746  ; DISALLOWED  # LATIN CAPITAL LETTER BROKEN L
A747  ; PVALID   # LATIN SMALL LETTER BROKEN L
A748  ; DISALLOWED  # LATIN CAPITAL LETTER L WITH HIGH STROKE
A749  ; PVALID   # LATIN SMALL LETTER L WITH HIGH STROKE
A74A  ; DISALLOWED  # LATIN CAPITAL LETTER O WITH LONG STROKE OVER
A74B  ; PVALID   # LATIN SMALL LETTER O WITH LONG STROKE OVERLA
A74C  ; DISALLOWED  # LATIN CAPITAL LETTER O WITH LOOP
A74D  ; PVALID   # LATIN SMALL LETTER O WITH LOOP
A74E  ; DISALLOWED  # LATIN CAPITAL LETTER OO
A74F  ; PVALID   # LATIN SMALL LETTER OO
A750  ; DISALLOWED  # LATIN CAPITAL LETTER P WITH STROKE THROUGH D
A751  ; PVALID   # LATIN SMALL LETTER P WITH STROKE THROUGH DES
A752  ; DISALLOWED  # LATIN CAPITAL LETTER P WITH FLOURISH
A753  ; PVALID   # LATIN SMALL LETTER P WITH FLOURISH
A754  ; DISALLOWED  # LATIN CAPITAL LETTER P WITH SQUIRREL TAIL
A755  ; PVALID   # LATIN SMALL LETTER P WITH SQUIRREL TAIL
A756  ; DISALLOWED  # LATIN CAPITAL LETTER Q WITH STROKE THROUGH D
A757  ; PVALID   # LATIN SMALL LETTER Q WITH STROKE THROUGH DES
A758  ; DISALLOWED  # LATIN CAPITAL LETTER Q WITH DIAGONAL STROKE
A759  ; PVALID   # LATIN SMALL LETTER Q WITH DIAGONAL STROKE
A75A  ; DISALLOWED  # LATIN CAPITAL LETTER R ROTUNDA
A75B  ; PVALID   # LATIN SMALL LETTER R ROTUNDA
A75C  ; DISALLOWED  # LATIN CAPITAL LETTER RUM ROTUNDA
A75D  ; PVALID   # LATIN SMALL LETTER RUM ROTUNDA
A75E  ; DISALLOWED  # LATIN CAPITAL LETTER V WITH DIAGONAL STROKE
A75F  ; PVALID   # LATIN SMALL LETTER V WITH DIAGONAL STROKE
A760  ; DISALLOWED  # LATIN CAPITAL LETTER VY
A761  ; PVALID   # LATIN SMALL LETTER VY
A762  ; DISALLOWED  # LATIN CAPITAL LETTER VISIGOTHIC Z
A763  ; PVALID   # LATIN SMALL LETTER VISIGOTHIC Z
A764 ; DISALLOWED # LATIN CAPITAL LETTER THORN WITH STROKE
A765 ; PVALID  # LATIN SMALL LETTER THORN WITH STROKE
A766 ; DISALLOWED # LATIN CAPITAL LETTER THORN WITH STROKE THRU
A767 ; PVALID  # LATIN SMALL LETTER THORN WITH STROKE THROUGH
A768 ; DISALLOWED # LATIN CAPITAL LETTER VEND
A769 ; PVALID  # LATIN SMALL LETTER VEND
A76A ; DISALLOWED # LATIN CAPITAL LETTER ET
A76B ; PVALID  # LATIN SMALL LETTER ET
A76C ; DISALLOWED # LATIN CAPITAL LETTER IS
A76D ; PVALID  # LATIN SMALL LETTER IS
A76E ; DISALLOWED # LATIN CAPITAL LETTER CON
A76F ; PVALID  # LATIN SMALL LETTER CON
A770 ; DISALLOWED # MODIFIER LETTER US
A771..A778 ; PVALID  # LATIN SMALL LETTER DUM..LATIN SMALL LETTER U
A779 ; DISALLOWED # LATIN CAPITAL LETTER INSULAR D
A77A ; PVALID  # LATIN SMALL LETTER INSULAR D
A77B ; DISALLOWED # LATIN CAPITAL LETTER INSULAR F
A77C ; PVALID  # LATIN SMALL LETTER INSULAR F
A77D..A77E ; DISALLOWED # LATIN CAPITAL LETTER INSULAR G..LATIN CAPITAL LETTER INSULAR H
A77F ; PVALID  # LATIN SMALL LETTER TURNED INSULAR G
A780 ; DISALLOWED # LATIN CAPITAL LETTER TURNED L
A781 ; PVALID  # LATIN SMALL LETTER TURNED L
A782 ; DISALLOWED # LATIN CAPITAL LETTER INSULAR R
A783 ; PVALID  # LATIN SMALL LETTER INSULAR R
A784 ; DISALLOWED # LATIN CAPITAL LETTER INSULAR S
A785 ; PVALID  # LATIN SMALL LETTER INSULAR S
A786 ; DISALLOWED # LATIN CAPITAL LETTER INSULAR T
A787..A788 ; PVALID  # LATIN SMALL LETTER INSULAR T..MODIFIER LETTER TILDE
A789..A78B ; DISALLOWED # MODIFIER LETTER COLON..LATIN CAPITAL LETTER C WITH BAR
A78C ; PVALID  # LATIN SMALL LETTER SALTILO
A78D ; DISALLOWED # LATIN CAPITAL LETTER TURNED H
A78E..A78F ; PVALID  # LATIN SMALL LETTER L WITH RETROFLEX HOOK AND DOTTED STEM
A790 ; DISALLOWED # LATIN CAPITAL LETTER N WITH DESCENDER
A791 ; PVALID  # LATIN SMALL LETTER N WITH DESCENDER
A792 ; DISALLOWED # LATIN CAPITAL LETTER C WITH BAR
A793..A795 ; PVALID  # LATIN SMALL LETTER C WITH BAR..LATIN SMALL LETTER D
A796 ; DISALLOWED # LATIN CAPITAL LETTER B WITH FLOURISH
A797 ; PVALID  # LATIN SMALL LETTER B WITH FLOURISH
A798 ; DISALLOWED # LATIN CAPITAL LETTER F WITH STROKE
A799 ; PVALID  # LATIN SMALL LETTER F WITH STROKE
A79A ; DISALLOWED # LATIN CAPITAL LETTER VOLAPUK AE
A79B ; PVALID  # LATIN SMALL LETTER VOLAPUK AE
A79C ; DISALLOWED # LATIN CAPITAL LETTER VOLAPUK OE
A79D ; PVALID  # LATIN SMALL LETTER VOLAPUK OE
A79E ; DISALLOWED # LATIN CAPITAL LETTER VOLAPUK UE
A79F ; PVALID  # LATIN SMALL LETTER VOLAPUK UE
A7A0 ; DISALLOWED # LATIN CAPITAL LETTER G WITH OBLIQUE STROKE
A7A1 ; PVALID  # LATIN SMALL LETTER G WITH OBLIQUE STROKE
A7A2 ; DISALLOWED  # LATIN CAPITAL LETTER K WITH OBLIQUE STROKE
A7A3 ; PVALID  # LATIN SMALL LETTER K WITH OBLIQUE STROKE
A7A4 ; DISALLOWED  # LATIN CAPITAL LETTER N WITH OBLIQUE STROKE
A7A5 ; PVALID  # LATIN SMALL LETTER N WITH OBLIQUE STROKE
A7A6 ; DISALLOWED  # LATIN CAPITAL LETTER R WITH OBLIQUE STROKE
A7A7 ; PVALID  # LATIN SMALL LETTER R WITH OBLIQUE STROKE
A7A8 ; DISALLOWED  # LATIN CAPITAL LETTER S WITH OBLIQUE STROKE
A7A9 ; PVALID  # LATIN SMALL LETTER S WITH OBLIQUE STROKE
A7AA..A7AE ; DISALLOWED  # LATIN CAPITAL LETTER H WITH HOOK..LATIN CAPITAL
A7AF ; PVALID  # LATIN LETTER SMALL CAPITAL Q
A7B0..A7B4 ; DISALLOWED  # LATIN CAPITAL LETTER TURNED K..LATIN CAPITAL
A7B5 ; PVALID  # LATIN SMALL LETTER BETA
A7B6 ; DISALLOWED  # LATIN CAPITAL LETTER OMEGA
A7B7 ; PVALID  # LATIN SMALL LETTER OMEGA
A7B8 ; DISALLOWED  # LATIN CAPITAL LETTER U WITH STROKE
A7B9 ; PVALID  # LATIN SMALL LETTER U WITH STROKE
A7BA..A7F6 ; UNASSIGNED  # <reserved>..<reserved>
A7F7 ; PVALID  # LATIN EPIGRAPHIC LETTER SIDEWAYS I
A7F8..A7F9 ; DISALLOWED  # MODIFIER LETTER CAPITAL H WITH STROKE..MODIF
A7FA..A827 ; PVALID  # LATIN LETTER SMALL CAPITAL TURNED M..SYLOTI
A828..A82B ; DISALLOWED  # SYLOTI NAGRI POETRY MARK-1..SYLOTI NAGRI POE
A82C..A82F ; UNASSIGNED  # <reserved>..<reserved>
A830..A839 ; DISALLOWED  # NORTH INDIC FRACTION ONE QUARTER..NORTH INDI
A83A..A83F ; UNASSIGNED  # <reserved>..<reserved>
A840..A847 ; PVALID  # PHAGS-PA LETTER KA..PHAGS-PA LETTER CANDRABI
A874..A877 ; DISALLOWED  # PHAGS-PA SINGLE HEAD MARK..PHAGS-PA MARK DOU
A878..A87F ; UNASSIGNED  # <reserved>..<reserved>
A880..A8C5 ; PVALID  # SAURASHTRA SIGN ANUSVARA..SAURASHTRA SIGN CA
A8C6..A8CD ; UNASSIGNED  # <reserved>..<reserved>
A8CE..A8CF ; DISALLOWED  # SAURASHTRA DANDA..SAURASHTRA DOUBLE DANDA
A8D0..A8D9 ; PVALID  # SAURASHTRA DIGIT ZERO..SAURASHTRA DIGIT NINE
A8DA..A8DF ; UNASSIGNED  # <reserved>..<reserved>
A8E0..A8F7 ; PVALID  # COMBINING DEVANAGARI DIGIT ZERO..DEVANAGARI
A8F8..A8FA ; DISALLOWED  # DEVANAGARI SIGN PUSHPIKA..DEVANAGARI CARET
A8FB ; PVALID  # DEVANAGARI HEADSTROKE
A8FC ; DISALLOWED  # DEVANAGARI SIGN SIDDHAM
A8FD..A92D ; PVALID  # DEVANAGARI JAIN OM..KAYAH LI TONE CALYA PLOP
A92E..A92F ; DISALLOWED  # KAYAH LI SIGN CWI..KAYAH LI SIGN SHYA
A930..A953 ; PVALID  # REJANG LETTER KA..REJANG VIRAMA
A954..A95E ; UNASSIGNED  # <reserved>..<reserved>
A95F..A97C ; DISALLOWED  # REJANG SECTION MARK..HANGUL CHOSEONG SSANGYE
A97D..A97F ; UNASSIGNED  # <reserved>..<reserved>
A980..A9C0 ; PVALID  # JAVANESE SIGN PANYANGGA..JAVANESE PANGKON
A9C1..A9CD ; DISALLOWED  # JAVANESE LEFT BERENGGAN..JAVANESE TURNED PAD
A9CE ; UNASSIGNED  # <reserved>
A9CF..A9DF ; PVALID  # JAVANESE PANGRANGKEP..JAVANESE DIGIT NINE
A9DA..A9DD ; UNASSIGNED  # <reserved>..<reserved>
A9DE..A9DF ; DISALLOWED  # JAVANESE PADA TIRTA TUMETES..JAVANESE PADA I
A9E0..A9FE ; PVALID # MYANMAR LETTER SHAN GA..MYANMAR LETTER TAI
A9FF ; UNASSIGNED # <reserved>
AA00..AA36 ; PVALID # CHAM LETTER A..CHAM CONSONANT SIGN WA
AA37..AA3F ; UNASSIGNED # <reserved>..<reserved>
AA40..AA4D ; PVALID # CHAM LETTER FINAL K..CHAM CONSONANT SIGN FIN
AA4E..AA4F ; UNASSIGNED # <reserved>..<reserved>
AA50..AA59 ; PVALID # CHAM DIGIT ZERO..CHAM DIGIT NINE
AA5A..AA5B ; UNASSIGNED # <reserved>..<reserved>
AA5C..AA5F ; DISALLOWED # CHAM PUNCTUATION SPIRAL..CHAM PUNCTUATION TR
AA60..AA76 ; PVALID # MYANMAR LETTER KHAMTI GA..MYANMAR LOGOGRAM K
AA77..AA79 ; DISALLOWED # MYANMAR SYMBOL AITON EXCLAMATION..MYANMAR SY
AA7A..AAC2 ; PVALID # MYANMAR LETTER AITON RA..TAI VIET TONE MAI S
AAC3..AADA ; UNASSIGNED # <reserved>..<reserved>
AADD..AADD ; PVALID # TAI VIET SYMBOL KON..TAI VIET SYMBOL SAM
AADE..AADF ; DISALLOWED # TAI VIET SYMBOL HO HOI..TAI VIET SYMBOL KOI
AAE0..AAEF ; PVALID # MEETEI MAYEK LETTER E..MEETEI MAYEK VOWEL SI
AAF0..AAF1 ; DISALLOWED # MEETEI MAYEK CHEIKHAN..MEETEI MAYEK AHANG KH
AAF2..AAF6 ; PVALID # MEETEI MAYEK ANJI..MEETEI MAYEK VIRAMA
AAF7..AB00 ; UNASSIGNED # <reserved>..<reserved>
AB01..AB06 ; PVALID # ETHIOPIC SYLLABLE TTHU..ETHIOPIC SYLLABLE TT
AB07..AB08 ; UNASSIGNED # <reserved>..<reserved>
AB09..AB0E ; PVALID # ETHIOPIC SYLLABLE DDHU..ETHIOPIC SYLLABLE DD
AB0F..AB10 ; UNASSIGNED # <reserved>..<reserved>
AB11..AB16 ; PVALID # ETHIOPIC SYLLABLE D2U..ETHIOPIC SYLLABLE DZO
AB17..AB1F ; UNASSIGNED # <reserved>..<reserved>
AB20..AB26 ; PVALID # ETHIOPIC SYLLABLE CCHHA..ETHIOPIC SYLLABLE C
AB27 ; UNASSIGNED # <reserved>
AB28..AB2E ; PVALID # ETHIOPIC SYLLABLE BBA..ETHIOPIC SYLLABLE BBO
AB2F ; UNASSIGNED # <reserved>
AB30..AB5A ; PVALID # LATIN SMALL LETTER BARRED ALPHA..LATIN SMALL
AB5B..AB5F ; DISALLOWED # MODIFIER BREVE WITH INVERTED BREVE..MODIFIER
AB60..AB65 ; PVALID # LATIN SMALL LETTER SAKHA YAT..GREEK LETTER S
AB66..AB6F ; UNASSIGNED # <reserved>..<reserved>
AB70..ABBF ; DISALLOWED # CHEROKEE SMALL LETTER A..CHEROKEE SMALL LETT
ABC0..ABEA ; PVALID # MEETEI MAYEK LETTER KOK..MEETEI MAYEK VOWEL
ABEB ; DISALLOWED # MEETEI MAYEK CHEIKHEI
ABEC..ABED ; PVALID # MEETEI MAYEK LUM IYEK..MEETEI MAYEK APUN IYE
ABEE..ABEF ; UNASSIGNED # <reserved>..<reserved>
ABF0..ABF9 ; PVALID # MEETEI MAYEK DIGIT ZERO..MEETEI MAYEK DIGIT
ABFA..ABFF ; UNASSIGNED # <reserved>..<reserved>
AC00..D7A3 ; PVALID # <Hangul Syllable>..<Hangul Syllable>
D7A4..D7AF ; UNASSIGNED # <reserved>..<reserved>
D7B0..D7C6 ; DISALLOWED # HANGUL JUNGSEONG O-YEO..HANGUL JUNGSEONG ARA
D7C7..D7CA ; UNASSIGNED # <reserved>..<reserved>
D7CB..D7FB ; DISALLOWED # HANGUL JUNGSEONG NIEUN-RIEUL..HANGUL JONGSEO
D7FC..D7FF ; UNASSIGNED # <reserved>..<reserved>
D800..FA0D ; DISALLOWED # <Non Private Use High Surrogate>..CJK COMPAT
FA0E..FA0F ; PVALID # CJK COMPATIBILITY IDEOGRAPH-FA0E..CJK COMPAT
FA10        ; DISALLOWED  # CJK COMPATIBILITY IDEOGRAPH-FA10
FA11        ; PVALID    # CJK COMPATIBILITY IDEOGRAPH-FA11
FA12        ; DISALLOWED  # CJK COMPATIBILITY IDEOGRAPH-FA12
FA13..FA14  ; PVALID    # CJK COMPATIBILITY IDEOGRAPH-FA13..CJK COMPAT
FA15..FA1E  ; DISALLOWED  # CJK COMPATIBILITY IDEOGRAPH-FA15..CJK COMPAT
FA1F        ; PVALID    # CJK COMPATIBILITY IDEOGRAPH-FA1F
FA20        ; DISALLOWED  # CJK COMPATIBILITY IDEOGRAPH-FA20
FA21        ; PVALID    # CJK COMPATIBILITY IDEOGRAPH-FA21
FA22        ; DISALLOWED  # CJK COMPATIBILITY IDEOGRAPH-FA22
FA23..FA24  ; PVALID    # CJK COMPATIBILITY IDEOGRAPH-FA23..CJK COMPAT
FA25..FA26  ; DISALLOWED  # CJK COMPATIBILITY IDEOGRAPH-FA25..CJK COMPAT
FA27..FA29  ; PVALID    # CJK COMPATIBILITY IDEOGRAPH-FA27..CJK COMPAT
FA2A..FA2D  ; DISALLOWED  # CJK COMPATIBILITY IDEOGRAPH-FA2A..CJK COMPAT
FA2E..FA6F  ; UNASSIGNED  # <reserved>..<reserved>
FA70..FA7D  ; DISALLOWED  # CJK COMPATIBILITY IDEOGRAPH-FA70..CJK COMPAT
FADA..FADD  ; UNASSIGNED  # <reserved>..<reserved>
FB00..FB06  ; DISALLOWED  # LATIN SMALL LIGATURE FF..LATIN SMALL LIGATURE
FB07..FB12  ; UNASSIGNED  # <reserved>..<reserved>
FB13..FB17  ; DISALLOWED  # ARMENIAN SMALL LIGATURE MEN NOW..ARMENIAN SM
FB18..FB1C  ; UNASSIGNED  # <reserved>..<reserved>
FB1D        ; DISALLOWED  # HEBREW LETTER YOD WITH HIRIQ
FB1E        ; PVALID    # HEBREW POINT JUDEO-SPANISH VARIKA
FB1F..FB36  ; DISALLOWED  # HEBREW LIGATURE YIDDISH YOD YOD PATAH..HEBRE
FB37        ; UNASSIGNED  # <reserved>
FB38..FB3C  ; DISALLOWED  # HEBREW LETTER TET WITH DAGESH..HEBREW LETTER
FB3D        ; UNASSIGNED  # <reserved>
FB3E        ; DISALLOWED  # HEBREW LETTER MEM WITH DAGESH
FB3F        ; UNASSIGNED  # <reserved>
FB40..FB41  ; DISALLOWED  # HEBREW LETTER NUN WITH DAGESH..HEBREW LETTER
FB42        ; UNASSIGNED  # <reserved>
FB43..FB44  ; DISALLOWED  # HEBREW LETTER FINAL PE WITH DAGESH..HEBREW L
FB45        ; UNASSIGNED  # <reserved>
FB46..FB5A  ; DISALLOWED  # HEBREW LETTER TSADI WITH DAGESH..ARABIC SYMB
FBC2..FBCD  ; UNASSIGNED  # <reserved>..<reserved>
FBD3..FBD7  ; DISALLOWED  # ARABIC LETTER NG ISOLATED FORM..ORNATE S
FD40..FD4F  ; UNASSIGNED  # <reserved>..<reserved>
FD50..FD8F  ; DISALLOWED  # ARABIC LIGATURE TEH WITH JEEM WITH MEEM INIT
FD90..FD91  ; UNASSIGNED  # <reserved>..<reserved>
FD92..FDCF  ; DISALLOWED  # ARABIC LIGATURE MEEM WITH JEEM WITH KHAH INIT
FDCA..FDFF  ; UNASSIGNED  # <reserved>..<reserved>
FE00..FE1F  ; DISALLOWED  # VARIATION SELECTOR-1..PRESENTATION FORM FOR
FE20..FE2F  ; PVALID    # COMBINING LIGATURE LEFT HALF..COMBINING CYRI
FE30..FE52  ; DISALLOWED  # PRESENTATION FORM FOR VERTICAL TWO DOT LEADE
FE53        ; UNASSIGNED  # <reserved>
FE54..FE66  ; DISALLOWED  # SMALL SEMICOLON..SMALL EQUALS SIGN
FE67  ; UNASSIGNED  # <reserved>
FE68..FE6B  ; DISALLOWED  # SMALL REVERSE SOLIDUS..SMALL COMMERCIAL AT
FE6C..FE6F  ; UNASSIGNED  # <reserved>..<reserved>
FE70..FE72  ; DISALLOWED  # ARABIC FATHATAN ISOLATED FORM..ARABIC DAMMAT
FE73  ; PVALID  # ARABIC TAIL FRAGMENT
FE74  ; DISALLOWED  # ARABIC KASRATAN ISOLATED FORM
FE75  ; UNASSIGNED  # <reserved>
FE76..FEFC  ; DISALLOWED  # ARABIC FATHA ISOLATED FORM..ARABIC LIGATURE
FEFD..FEFE  ; UNASSIGNED  # <reserved>..<reserved>
FEFF  ; DISALLOWED  # ZERO WIDTH NO-BREAK SPACE
FF00  ; UNASSIGNED  # <reserved>
FF01..FFBE  ; DISALLOWED  # FULLWIDTH EXCLAMATION MARK..HALFWIDTH HANGUL
FFBF..FFC1  ; UNASSIGNED  # <reserved>..<reserved>
FFC2..FFC7  ; DISALLOWED  # HALFWIDTH HANGUL LETTER A..HALFWIDTH HANGUL
FFC8..FFC9  ; UNASSIGNED  # <reserved>..<reserved>
FFCA..FFCF  ; DISALLOWED  #_HALFWIDTH HANGUL LETTER YEO..HALFWIDTH HANGUL
FFD0..FFD1  ; UNASSIGNED  # <reserved>..<reserved>
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FFD8..FFD9  ; UNASSIGNED  # <reserved>..<reserved>
FFDA..FFDC  ; DISALLOWED  #_HALFWIDTH HANGUL LETTER EU..HALFWIDTH HANGUL
FFDD..FFDF  ; UNASSIGNED  # <reserved>..<reserved>
FFE0..FFE6  ; DISALLOWED  # FULLWIDTH CENT SIGN..FULLWIDTH WON SIGN
FFE7  ; UNASSIGNED  # <reserved>
FFE8..FFE9  ; DISALLOWED  #_HALFWIDTH FORMS LIGHT VERTICAL..HALFWIDTH WH
FFEE..FFFF  ; UNASSIGNED  # <reserved>..<reserved>
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10000..1000B; PVALID  # LINEAR B SYLLABLE B008 A..LINEAR B SYLLABLE
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10027  ; UNASSIGNED  # <reserved>
10028..1003A; PVALID  # LINEAR B SYLLABLE B060 RA..LINEAR B SYLLABLE
1003B  ; UNASSIGNED  # <reserved>
1003C..1003D; PVALID  # LINEAR B SYLLABLE B017 ZA..LINEAR B SYLLABLE
1003E  ; UNASSIGNED  # <reserved>
1003F..1004D; PVALID  # LINEAR B SYLLABLE B020 ZO..LINEAR B SYLLABLE
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1005E..1007F; UNASSIGNED  # <reserved>..<reserved>
10080..100FA; PVALID  # LINEAR B IDEOGRAPH B100 MAN..LINEAR B IDEOGRAPH
100FB..100FF; UNASSIGNED  # <reserved>..<reserved>
10100..10102; DISALLOWED  # AEGEAN WORD SEPARATOR LINE..AEGEAN CHECK MAR
10103..10106; UNASSIGNED  # <reserved>..<reserved>
10107..10113; DISALLOWED  # AEGEAN NUMBER ONE..AEGEAN NUMBER NINETY THOU
10113..10116; UNASSIGNED  # <reserved>..<reserved>
10117..1011E; DISALLOWED  # AEGEAN WEIGHT BASE UNIT..NOMISMA SIGN
1011F  ; UNASSIGNED  # <reserved>
10190..1019B; DISALLOWED  # ROMAN SEXTANS SIGN..ROMAN CENTURIAL SIGN
1019C..1019F; UNASSIGNED  # <reserved>..<reserved>
101A0 ; DISALLOWED # GREEK SYMBOL TAU RHO
101A1..101CF; UNASSIGNED # <reserved>..<reserved>
101D0..101FC; DISALLOWED # PHAISTOS DISC SIGN PEDESTRIAN..PHAISTOS DISC
101FD ; PVALID # PHAISTOS DISC SIGN COMBINING OBLIQUE STROKE
101FE..1027F; UNASSIGNED # <reserved>..<reserved>
10280..1029C; PVALID # LYCIAN LETTER A..LYCIAN LETTER X
1029D..1029F; UNASSIGNED # <reserved>..<reserved>
102A0..102D0; PVALID # CARIAN LETTER A..CARIAN LETTER UUU3
102D1..102DF; UNASSIGNED # <reserved>..<reserved>
102E0 ; PVALID # COPTIC EPACT THOUSANDS MARK
102E1..102FB; DISALLOWED # COPTIC EPACT DIGIT ONE..COPTIC EPACT NUMBER
102FC..102FF; UNASSIGNED # <reserved>..<reserved>
10300..1031F; PVALID # OLD ITALIC LETTER A..OLD ITALIC LETTER ESS
10320..10323; DISALLOWED # OLD ITALIC NUMERAL ONE..OLD ITALIC NUMERAL F
10324..1032C; UNASSIGNED # <reserved>..<reserved>
1032D..10340; PVALID # OLD ITALIC LETTER YE..GOTHIC LETTER PAIRTHRA
10341 ; DISALLOWED # GOTHIC LETTER NINETY
10342..10349; PVALID # GOTHIC LETTER RAID..GOTHIC LETTER OTHAL
1034A ; DISALLOWED # GOTHIC LETTER NINE HUNDRED
1034B..1034F; UNASSIGNED # <reserved>..<reserved>
10350..1037A; PVALID # OLD PERMIC LETTER AN..COMBINING OLD PERMIC L
1037B..1037F; UNASSIGNED # <reserved>..<reserved>
10380..1039D; PVALID # UGARITIC LETTER ALPA..UGARITIC LETTER SSU
1039E ; UNASSIGNED # <reserved>
1039F ; DISALLOWED # UGARITIC WORD DIVIDER
103A0..103C3; PVALID # OLD PERSIAN SIGN A..OLD PERSIAN SIGN HA
103C4..103C7; UNASSIGNED # <reserved>..<reserved>
103C8..103CF; PVALID # OLD PERSIAN SIGN AURAMAZDA..OLD PERSIAN SIG
103D0..103D5; DISALLOWED # OLD PERSIAN WORD DIVIDER..OLD PERSIAN NUMBER
103D6..103FF; UNASSIGNED # <reserved>..<reserved>
10400..10427; DISALLOWED # DESERET CAPITAL LETTER LONG I..DESERET CAPITAL
10428..1049D; PVALID # DESERET SMALL LETTER LONG I..OSMANYA LETTER
1049E..1049F; UNASSIGNED # <reserved>..<reserved>
104A0..104A9; PVALID # OSMANYA DIGIT ZERO..OSMANYA DIGIT NINE
104AA..104AF; UNASSIGNED # <reserved>..<reserved>
104B0..104D3; DISALLOWED # OSAGE CAPITAL LETTER A..OSAGE CAPITAL LETTER
104D4..104D7; UNASSIGNED # <reserved>..<reserved>
104D8..104FB; PVALID # OSAGE SMALL LETTER A..OSAGE SMALL LETTER ZHA
104FC..104FF; UNASSIGNED # <reserved>..<reserved>
10500..10527; PVALID # ELBASAN LETTER A..ELBASAN LETTER KHE
10528..1052F; UNASSIGNED # <reserved>..<reserved>
10530..10563; PVALID # CAUCASIAN ALBANIAN LETTER ALT..CAUCASIAN ALB
10564..1056F; UNASSIGNED # <reserved>..<reserved>
1056F ; DISALLOWED # CAUCASIAN ALBANIAN CITATION MARK
10570..1057F; UNASSIGNED # <reserved>..<reserved>
10580..105D7; UNASSIGNED # LINEAR A SIGN AB001..LINEAR A SIGN M3
105D8..105FE; UNASSIGNED # <reserved>..<reserved>
105FF ; DISALLOWED # LINEAR A SIGN M778..LINEAR A SIGN M779
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<td>PVALID</td>
<td>KHRAROSHTHI Vowel Sign E..KHRAROSHTHI Vowel SI</td>
</tr>
<tr>
<td>10A07..10A0B</td>
<td>UNASSIGNED</td>
<td>&lt;reserved&gt;..&lt;reserved&gt;</td>
</tr>
<tr>
<td>10A0C..10A13</td>
<td>PVALID</td>
<td>KHRAROSHTHI Vowel Length Mark..KHRAROSHTHI LET</td>
</tr>
<tr>
<td>10A14</td>
<td>UNASSIGNED</td>
<td>&lt;reserved&gt;..&lt;reserved&gt;</td>
</tr>
</tbody>
</table>
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10A15..10A17; PVALID   # KHRAROSHTHI LETTER CA..KHRAROSHTHI LETTER JA
10A18;   UNASSIGNED   # <reserved>
10A19..10A35; PVALID   # KHRAROSHTHI LETTER NYA..KHRAROSHTHI LETTER VHA
10A36..10A37; UNASSIGNED   # <reserved>..<reserved>
10A38..10A3A; PVALID   # KHRAROSHTHI SIGN BAR ABOVE..KHRAROSHTHI SIGN D
10A3B..10A3E; UNASSIGNED   # <reserved>..<reserved>
10A3F;   PVALID   # KHRAROSHTHI VIRAMA
10A40..10A48; DISALLOWED   # KHRAROSHTHI DIGIT ONE..KHRAROSHTHI FRACTION ON
10A49..10A4F; UNASSIGNED   # <reserved>..<reserved>
10A50..10A58; DISALLOWED   # KHRAROSHTHI PUNCTUATION DOT..KHRAROSHTHI PUNCT
10A59..10A5F; UNASSIGNED   # <reserved>..<reserved>
10A60..10A7C; PVALID   # OLD SOUTH ARABIAN LETTER HE..OLD SOUTH ARABI
10A7D..10A7F; DISALLOWED   # OLD SOUTH ARABIAN NUMBER ONE..OLD SOUTH ARAB
10A80..10A9C; PVALID   # OLD NORTH ARABIAN LETTER HEH..OLD NORTH ARAB
10A9D..10A9F; DISALLOWED   # OLD NORTH ARABIAN NUMBER ONE..OLD NORTH ARAB
10AA0..10ABF; UNASSIGNED   # <reserved>..<reserved>
10AC0..10AC7; PVALID   # MANICHAEAN LETTER ALEPH..MANICHAEAN LETTER W
10AC8;   DISALLOWED   # MANICHAEAN SIGN UD
10AC9..10AE6; PVALID   # MANICHAEAN LETTER ZAYIN..MANICHAEAN ABBREVIATION
10AEC..10AEC; UNASSIGNED   # <reserved>..<reserved>
10AF7..10AFF; UNASSIGNED   # <reserved>..<reserved>
10B00..10B35; PVALID   # AVESTAN LETTER A..AVESTAN LETTER HE
10B36..10B38; UNASSIGNED   # <reserved>..<reserved>
10B39..10B3F; DISALLOWED   # AVESTAN ABBREVIATION MARK..LARGE ONE RING OV
10B40..10B55; PVALID   # INSCRIPTIONAL PARTHIAN LETTER ALEPH..INSCRIPTI
10B56..10B57; UNASSIGNED   # <reserved>..<reserved>
10B58..10B5F; DISALLOWED   # INSCRIPTIONAL PARTHIAN NUMBER ONE..INSCRIPTI
10B60..10B72; PVALID   # INSCRIPTIONAL PAHLAVI LETTER ALEPH..INSCRIPTI
10B73..10B77; UNASSIGNED   # <reserved>..<reserved>
10B78..10B7F; DISALLOWED   # INSCRIPTIONAL PAHLAVI NUMBER ONE..INSCRIPTI
10B80..10B91; PVALID   # PSALTER PAHLAVI LETTER ALEPH..PSALTER PAHLAV
10B92..10B98; UNASSIGNED   # <reserved>..<reserved>
10B99..10BA8; DISALLOWED   # PSALTER PAHLAVI SECTION MARK..PSALTER PAHLAV
10BA9..10BBA; DISALLOWED   # PSALTER PAHLAVI NUMBER ONE..PSALTER PAHLAV
10BB0..10BBF; UNASSIGNED   # <reserved>..<reserved>
10C00..10C48; PVALID   # OLD TURKIC LETTER ORKHON A..OLD TURKIC LETTE
10C49..10C7F; UNASSIGNED   # <reserved>..<reserved>
10C80..10CB2; DISALLOWED   # OLD HUNGARIAN CAPITAL LETTER A..OLD HUNGRIA
10CB3..10CBF; UNASSIGNED   # <reserved>..<reserved>
10CC0..10CF2; PVALID   # OLD HUNGARIAN SMALL LETTER A..OLD HUNGARIAN
10CF3..10CF9; UNASSIGNED   # <reserved>..<reserved>
10CFA..10CFF; DISALLOWED   # OLD HUNGARIAN NUMBER ONE..OLD HUNGARIAN NUMB
10D00..10D27; PVALID   # HANIFI ROHINGYA LETTER A..HANIFI ROHINGYA SI
10D28..10D2F; UNASSIGNED   # <reserved>..<reserved>
10D30..10D39; PVALID   # HANIFI ROHINGYA DIGIT ZERO..HANIFI ROHINGYA
10D3A..10E5F; UNASSIGNED   # <reserved>..<reserved>
10E60..10E7E; DISALLOWED # RUMI DIGIT ONE..RUMI FRACTION TWO THIRDS
10E7F..10EFF; UNASSIGNED # <reserved>..<reserved>
10F00..10F1C; PVALID # OLD SOGDIAN LETTER ALEPH..OLD SOGDIAN LETTER
10F1D..10F26; DISALLOWED # OLD SOGDIAN NUMBER ONE..OLD SOGDIAN FRACTION
10F27; PVALID # OLD SOGDIAN LIGATURE AYIN-DALETH
10F28..10F2F; UNASSIGNED # <reserved>..<reserved>
10F30..10F50; PVALID # SOGDIAN LETTER ALEPH..SOGDIAN COMBINING STRO
10F51..10F59; DISALLOWED # SOGDIAN NUMBER ONE..SOGDIAN PUNCTUATION HALF
10F5A..10FFF; UNASSIGNED # <reserved>..<reserved>
11000..11046; PVALID # BRAHMI SIGN CANDRABINDU..BRAHMI VIRAMA
11047..1104D; DISALLOWED # BRAHMI DANDA..BRAHMI PUNCTUATION LOTUS
1104E..11051; UNASSIGNED # <reserved>..<reserved>
11052..11065; DISALLOWED # BRAHMI NUMBER ONE..BRAHMI NUMBER ONE THOUSAN
11066..1106F; PVALID # BRAHMI DIGIT ZERO..BRAHMI DIGIT NINE
11070..1107F; UNASSIGNED # <reserved>..<reserved>
1107F..110BA; PVALID # BRAHMI NUMBER JOINER..KAITHI SIGN NUKTA
110BB..110C1; DISALLOWED # KAITHI ABBREVIATION SIGN..KAITHI DOUBLE DAND
110C2..110CC; UNASSIGNED # <reserved>..<reserved>
110CD; DISALLOWED # KAITHI NUMBER SIGN ABOVE
110CE..110CF; UNASSIGNED # <reserved>..<reserved>
110D0..110E8; PVALID # SORA SOMPENG LETTER SAH..SORA SOMPENG LETTER
110E9..110EF; UNASSIGNED # <reserved>..<reserved>
110F0..110F9; PVALID # SORA SOMPENG DIGIT ZERO..SORA SOMPENG DIGIT
110FA..1110F; UNASSIGNED # <reserved>..<reserved>
11100..11134; PVALID # CHAKMA SIGN CANDRABINDU..CHAKMA MAAYYAA
11135; UNASSIGNED # <reserved>
11136..1113F; PVALID # CHAKMA DIGIT ZERO..CHAKMA DIGIT NINE
11140..11143; DISALLOWED # CHAKMA SECTION MARK..CHAKMA QUESTION MARK
11144..11146; PVALID # CHAKMA LETTER LHAA..CHAKMA VOWEL SIGN EI
11147..1114F; UNASSIGNED # <reserved>..<reserved>
11150..11173; PVALID # MAHAJANI LETTER A..MAHAJANI SIGN NUKTA
11174..11175; DISALLOWED # MAHAJANI ABBREVIATION SIGN..MAHAJANI SECTION
11176; PVALID # MAHAJANI LIGATURE SHRI
11177..1117F; UNASSIGNED # <reserved>..<reserved>
11180..111C4; PVALID # SHARADA SIGN CANDRABINDU..SHARADA OM
111C5..111C8; DISALLOWED # SHARADA DANDA..SHARADA SEPARATOR
111C9..111CC; PVALID # SHARADA SANDHI MARK..SHARADA EXTRA SHORT VOW
111CD; DISALLOWED # SHARADA SUTRA MARK
111CE..111FF; UNASSIGNED # <reserved>..<reserved>
111D0..111DA; PVALID # SHARADA DIGIT ZERO..SHARADA EKAM
111DB; DISALLOWED # SHARADA SIGN SIDDHAM
111DC; PVALID # SHARADA HEADSTROKE
111DD..111DF; DISALLOWED # SHARADA CONTINUATION SIGN..SHARADA SECTION M
111E0; UNASSIGNED # <reserved>
111E1..111F4; DISALLOWED # SINGHALA ARCHAIC DIGIT ONE..SINGHALA ARCHAIC N
111F5..111FF; UNASSIGNED # <reserved>..<reserved>
11200..11211; PVALID # KHOJKI LETTER A..KHOJKI LETTER JJA
11212; UNASSIGNED # <reserved>
11213..11237; PVALID # KHOJKI LETTER NYA..KHOJKI SIGN SHADDA
11238..1123D; DISALLOWED # KHOJKI DANDA..KHOJKI ABBREVIATION SIGN
1123E; PVALID # KHOJKI SIGN SUKUN
1123F..1127F; UNASSIGNED # <reserved>..<reserved>
11280..11286; PVALID # MULTANI LETTER A..MULTANI LETTER GA
11287; UNASSIGNED # <reserved>
11288; PVALID # MULTANI LETTER GHA
11289; UNASSIGNED # <reserved>
1128A..1128D; PVALID # MULTANI LETTER CA..MULTANI LETTER JJA
1128E; UNASSIGNED # <reserved>
1128F..1129D; PVALID # MULTANI LETTER NYA..MULTANI LETTER BA
1129E; UNASSIGNED # <reserved>
1129F..112A8; PVALID # MULTANI LETTER BHA..MULTANI LETTER RHA
112A9; DISALLOWED # MULTANI SECTION MARK
112AA..112AF; UNASSIGNED # <reserved>..<reserved>
112B0..112EA; PVALID # KHUDAWADI LETTER A..KHUDAWADI SIGN VIRAMA
112EB..112EF; UNASSIGNED # <reserved>..<reserved>
112F0..112F9; PVALID # KHUDAWADI DIGIT ZERO..KHUDAWADI DIGIT NINE
112FA..112FF; UNASSIGNED # <reserved>..<reserved>
11300..11303; PVALID # GRANTHA SIGN COMBINING ANUSVARA ABOVE..GRANT
11304; UNASSIGNED # <reserved>
11305..1130C; PVALID # GRANTHA LETTER A..GRANTHA LETTER VOCALIC L
1130D..1130E; UNASSIGNED # <reserved>..<reserved>
1130F..11310; PVALID # GRANTHA LETTER EE..GRANTHA LETTER AI
11311..11312; UNASSIGNED # <reserved>..<reserved>
11313..11328; PVALID # GRANTHA LETTER OO..GRANTHA LETTER NA
11329; UNASSIGNED # <reserved>
1132A..11330; PVALID # GRANTHA LETTER PA..GRANTHA LETTER RA
11331; UNASSIGNED # <reserved>
11332..11333; PVALID # GRANTHA LETTER LA..GRANTHA LETTER LLA
11334; UNASSIGNED # <reserved>
11335..11339; PVALID # GRANTHA LETTER VA..GRANTHA LETTER HA
1133A; UNASSIGNED # <reserved>
1133B..11344; PVALID # COMBINING BINDU BELOW..GRANTHA VOWEL SIGN VO
11345..11346; UNASSIGNED # <reserved>..<reserved>
11347..11348; PVALID # GRANTHA VOWEL SIGN EE..GRANTHA VOWEL SIGN AI
11349..1134A; UNASSIGNED # <reserved>..<reserved>
1134B..1134D; PVALID # GRANTHA VOWEL SIGN OO..GRANTHA SIGN VIRAMA
1134E..1134F; UNASSIGNED # <reserved>..<reserved>
11350; PVALID # GRANTHA OM
11351..11356; UNASSIGNED # <reserved>..<reserved>
11357; PVALID # GRANTHA AU LENGTH MARK
11358..1135C; UNASSIGNED # <reserved>..<reserved>
1135D..11363; PVALID # GRANTHA SIGN PLUTA..GRANTHA VOWEL SIGN VOCAL
11364..11365; UNASSIGNED # <reserved>..<reserved>
11366..1136C; PVALID # COMBINING GRANTHA DIGIT ZERO..COMBINING GRAN
1136D..1136F; UNASSIGNED # <reserved>..<reserved>
11370..11374; PVALID # COMBINING GRANTHA LETTER A..COMBINING GRANTH
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11375..113FF; UNASSIGNED # <reserved>..<reserved>
11400..1144A; PVALID     # NEWA LETTER A..NEWA SIDDHI
1144B..1144F; DISALLOWED # NEWA DANDA..NEWA ABBREVIATION SIGN
11450..11459; PVALID     # NEWA DIGIT ZERO..NEWA DIGIT NINE
1145A; UNASSIGNED        # <reserved>
1145B; DISALLOWED        # NEWA PLACEHOLDER MARK
1145C; UNASSIGNED        # <reserved>
1145D; DISALLOWED        # NEWA INSERTION SIGN
1145E; PVALID             # NEWA SANDHI MARK
1145F..1147F; UNASSIGNED # <reserved>..<reserved>
11480..114C5; PVALID     # TIRHUTA ANJI..TIRHUTA GVANG
114C6; DISALLOWED        # TIRHUTA ABBREVIATION SIGN
114C7; PVALID             # TIRHUTA OM
114C8..114CF; UNASSIGNED # <reserved>..<reserved>
114D0..114D9; PVALID     # TIRHUTA DIGIT ZERO..TIRHUTA DIGIT NINE
114DA..1157F; UNASSIGNED # <reserved>..<reserved>
11580..115B7; DISALLOWED # TIRHUTA ABBREVIATION SIGN
115B8..115B7; UNASSIGNED # <reserved>..<reserved>
115B8..115C0; PVALID     # SIDDHAM LETTER THREE-CIRCLE ALTERNATE I..SIDDHAM SIGN NUKTA
115C1..115D7; DISALLOWED # SIDDHAM SIGN NUKTA
115D8..115D9; PVALID     # SIDDHAM LETTER THREE-CIRCLE ALTERNATE I..SIDDHAM SIGN NUKTA
115D9E..115FF; UNASSIGNED # <reserved>..<reserved>
11600..11640; PVALID     # MODI LETTER A..MODI SIGN ARDHACANDRA
11641..11643; DISALLOWED # MODI DANDA..MODI ABBREVIATION SIGN
11644; PVALID             # MODI SIGN HUVA
11645..1164F; UNASSIGNED # <reserved>..<reserved>
11650..11659; PVALID     # MODI DIGIT ZERO..MODI DIGIT NINE
1165A..1165F; UNASSIGNED # <reserved>..<reserved>
11660..1166C; DISALLOWED # MONGOLIAN BIRGA WITH ORNAMENT..MONGOLIAN TUR
1166D..1166F; UNASSIGNED # <reserved>..<reserved>
1166B..1167F; PVALID     # TAKRI LETTER A..TAKRI SIGN NUKTA
11680..1169F; UNASSIGNED # <reserved>..<reserved>
1169C..1169F; PVALID     # TAKRI DIGIT ZERO..TAKRI DIGIT NINE
116CA..116FF; UNASSIGNED # <reserved>..<reserved>
11700..1171A; PVALID     # AHOM LETTER KA..AHOM LETTER ALTERNATE BA
1171B..1171C; UNASSIGNED # <reserved>..<reserved>
1171D..1172B; PVALID     # AHOM CONSONANT SIGN MEDIAL LA..AHOM SIGN KIL
1172C..1172F; UNASSIGNED # <reserved>..<reserved>
11730..11739; PVALID     # AHOM DIGIT ZERO..AHOM DIGIT NINE
1173A..1173F; DISALLOWED # AHOM NUMBER TEN..AHOM SYMBOL VI
11740..1177F; UNASSIGNED # <reserved>..<reserved>
11800..1183A; PVALID     # DOGRA LETTER A..DOGRA SIGN NUKTA
1183B; DISALLOWED        # DOGRA ABBREVIATION SIGN
1183C..1188F; UNASSIGNED # <reserved>..<reserved>
11890..118BF; DISALLOWED # WARANG CITI CAPITAL LETTER NGAA..WARANG CITI
118C0..118E9; PVALID     # WARANG CITI SMALL LETTER NGAA..WARANG CITI D
118EA..118F2; DISALLOWED # WARANG CITI NUMBER TEN..WARANG CITI NUMBER N
118F3..118FE; UNASSIGNED # <reserved>..<reserved>
118FF       ; PVALID      # WARANG CITI OM
11900..119FF; UNASSIGNED  # <reserved>..<reserved>
11A00..11A3E; PVALID      # ZANABAZAR SQUARE LETTER A..ZANABAZAR SQUARE
11A3F..11A46; DISALLOWED  # ZANABAZAR SQUARE INITIAL HEAD MARK..ZANABAZA
11A47       ; PVALID      # ZANABAZAR SQUARE SUBJOINER
11A48..11A4F; UNASSIGNED  # <reserved>..<reserved>
11A50..11A83; PVALID      # SOYOMBO LETTER A..SOYOMBO LETTER KSSA
11A84..11A85; UNASSIGNED  # <reserved>..<reserved>
11A86..11A99; PVALID      # SOYOMBO CLUSTER-INITIAL LETTER RA..SOYOMBO S
11A9A..11A9C; DISALLOWED  # SOYOMBO MARK TSHEG..SOYOMBO MARK DOUBLE SHAD
11A9D       ; PVALID      # SOYOMBO MARK PLUTA
11A9E..11AA2; DISALLOWED  # SOYOMBO HEAD MARK WITH MOON AND SUN AND TRIP
11AA3..11ABF; UNASSIGNED  # <reserved>..<reserved>
11AC0..11AF8; PVALID      # PAU CIN HAU LETTER PA..PAU CIN HAU GLOTTAL S
11AF9..11BFF; UNASSIGNED  # <reserved>..<reserved>
11C00..11C08; PVALID      # BHAIKSUKI LETTER A..BHAIKSUKI LETTER VOCALIC
11C09       ; UNASSIGNED  # <reserved>
11C0A..11C36; PVALID      # BHAIKSUKI LETTER E..BHAIKSUKI VOWEL SIGN VOC
11C37       ; UNASSIGNED  # <reserved>
11C38..11C40; PVALID      # BHAIKSUKI VOWEL SIGN E..BHAIKSUKI SIGN AVAGR
11C41..11C45; DISALLOWED  # BHAIKSUKI DANDA..BHAIKSUKI GAP FILLER-2
11C46..11C4F; UNASSIGNED  # <reserved>..<reserved>
11C50..11C59; PVALID      # BHAIKSUKI DIGIT ZERO..BHAIKSUKI DIGIT NINE
11C5A..11C6C; DISALLOWED  # BHAIKSUKI NUMBER ONE..BHAIKSUKI HUNDREDS UNI
11C6D..11C6F; UNASSIGNED  # <reserved>..<reserved>
11C70..11C71; DISALLOWED  # MARCHEN HEAD MARK..MARCHEN MARK SHAD
11C72..11C8F; PVALID      # MARCHEN LETTER KA..MARCHEN LETTER A
11C90..11C91; UNASSIGNED  # <reserved>..<reserved>
11C92..11CA7; PVALID      # MARCHEN SUBJOINED LETTER KA..MARCHEN SUBJOIN
11CA8       ; UNASSIGNED  # <reserved>
11CA9..11CB6; PVALID      # MARCHEN SUBJOINED LETTER YA..MARCHEN SIGN CA
11CB7..11CFF; UNASSIGNED  # <reserved>..<reserved>
11D00..11D06; PVALID      # MASARAM GONDI LETTER A..MASARAM GONDI LETTER
11D07       ; UNASSIGNED  # <reserved>
11D08..11D09; PVALID      # MASARAM GONDI LETTER AI..MASARAM GONDI LETTE
11D0A       ; UNASSIGNED  # <reserved>
11D0B..11D36; PVALID      # MASARAM GONDI LETTER AU..MASARAM GONDI VOWEL
11D37..11D39; UNASSIGNED  # <reserved>..<reserved>
11D3A       ; PVALID      # MASARAM GONDI VOWEL SIGN E
11D3B       ; UNASSIGNED  # <reserved>
11D3C..11D3D; PVALID      # MASARAM GONDI VOWEL SIGN AI..MASARAM GONDI V
11D3E       ; UNASSIGNED  # <reserved>
11D3F..11D47; PVALID      # MASARAM GONDI VOWEL SIGN AU..MASARAM GONDI R
11D48..11D4F; UNASSIGNED  # <reserved>..<reserved>
11D50..11D59; PVALID      # MASARAM GONDI DIGIT ZERO..MASARAM GONDI DIGI
11D5A..11D5F; UNASSIGNED  # <reserved>..<reserved>
11D60..11D65; PVALID      # GUNJALA GONDI LETTER A..GUNJALA GONDI LETTER
11D66       ; UNASSIGNED  # <reserved>
11D67..11D68; PVALID       # GUNJALA GONDI LETTER EE..GUNJALA GONDI LETTER
11D69; UNASSIGNED      # <reserved>
11D6A..11D8E; PVALID       # GUNJALA GONDI LETTER OO..GUNJALA GONDI VOWEL
11D8F; UNASSIGNED      # <reserved>
11D90..11D91; PVALID       # GUNJALA GONDI VOWEL SIGN EE..GUNJALA GONDI VOWEL
11D92; UNASSIGNED      # <reserved>
11D93..11D98; PVALID       # GUNJALA GONDI VOWEL SIGN OO..GUNJALA GONDI VOWEL
11D99..11D99; UNASSIGNED      # <reserved>..<reserved>
11DA0..11DA9; PVALID       # GUNJALA GONDI DIGIT ZERO..GUNJALA GONDI DIGIT
11DAA..11DAF; UNASSIGNED      # <reserved>..<reserved>
11EE0..11EEF; PVALID       # MAKASAR LETTER KA..MAKASAR VOWEL SIGN O
11EF7..11EF8; DISALLOWED      # MAKASAR PASSIMBANG..MAKASAR END OF SECTION
11EF9..11FFF; UNASSIGNED      # <reserved>..<reserved>
12000..12399; PVALID       # CUNEIFORM SIGN A..CUNEIFORM SIGN U
1239A..123FF; UNASSIGNED      # <reserved>..<reserved>
12400..1246E; DISALLOWED      # CUNEIFORM NUMERIC SIGN TWO ASH..CUNEIFORM NUMERIC SIGN
1246F; UNASSIGNED      # <reserved>
12470..12474; DISALLOWED      # CUNEIFORM PUNCTUATION SIGN OLD ASSYRIAN WORD
12475..1247F; UNASSIGNED      # <reserved>..<reserved>
12480..12543; PVALID       # CUNEIFORM SIGN AB TIMES NUN TENU..CUNEIFORM SIGN
12544..12FFF; UNASSIGNED      # <reserved>..<reserved>
13000..1342E; PVALID       # EGYPTIAN HIEROGLYPH A001..EGYPTIAN HIEROGLYPH
1342F..1343FF; UNASSIGNED      # <reserved>..<reserved>
14400..14646; PVALID       # ANATOLIAN HIEROGLYPH A001..ANATOLIAN HIEROGLYPH
14647..1467FF; UNASSIGNED      # <reserved>..<reserved>
16800..16A3F; PVALID       # BAMUM LETTER PHASE-A NGKUE MFON..BAMUM LETTER
16A39..16A3F; UNASSIGNED      # <reserved>..<reserved>
16A40..16A5F; PVALID       # MRO LETTER TA..MRO LETTER TEK
16A5F; UNASSIGNED      # <reserved>
16A60..16A69; PVALID       # MRO DIGIT ZERO..MRO DIGIT NINE
16A6A..16A6D; UNASSIGNED      # <reserved>..<reserved>
16A6E..16A6F; DISALLOWED      # MRO DANDA..MRO DOUBLE DANDA
16A70..16A7F; UNASSIGNED      # <reserved>..<reserved>
16AD0..16AED; PVALID       # BASSA VAH LETTER ENNI..BASSA VAH LETTER I
16AE0..16AEE; UNASSIGNED      # <reserved>..<reserved>
16AFE..16AFF; UNASSIGNED      # BASSA VAH COMBINING HIGH TONE..BASSA VAH COMBINING HIGH TONE
16AFF; DISALLOWED      # BASSA VAH FULL STOP
16B00..16B3F; PVALID       # PAHAWH Hmong Vowel KEEB..PAHAWH Hmong MARK C
16B37..16B3F; DISALLOWED      # PAHAWH Hmong Sign Vos Thom..PAHAWH Hmong Sign
16B40..16B43; PVALID       # PAHAWH Hmong Sign Vos Seev..PAHAWH Hmong Mark C
16B44..16B45; DISALLOWED      # PAHAWH Hmong Sign XAUS..PAHAWH Hmong Sign
16B46..16B4F; UNASSIGNED      # <reserved>..<reserved>
16B50..16B59; PVALID       # PAHAWH Hmong Digit Zero..PAHAWH Hmong Digit
16B5A; UNASSIGNED      # <reserved>
16B5B..16B61; DISALLOWED      # PAHAWH Hmong Number Tens..PAHAWH Hmong Number
16B62; UNASSIGNED      # <reserved>
16B63..16B77; PVALID       # PAHAWH Hmong Sign Vos Lub..PAHAWH Hmong Sign

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16B78..16B7C; UNASSIGNED # <reserved>..<reserved>
16B7D..16B8F; PVALID # PAHAWH HMONG CLAN SIGN TSHEEJ..PAHAWH HMONG CLAN SIGN TSHEEJ
16B90..16E3F; UNASSIGNED # <reserved>..<reserved>
16E40..16E5F; DISALLOWED # MEDEFAIDRIN CAPITAL LETTER M..MEDEFAIDRIN CAPITAL LETTER M
16E60..16E7F; PVALID # MEDEFAIDRIN SMALL LETTER M..MEDEFAIDRIN SMALL LETTER M
16E80..16E9A; DISALLOWED # MEDEFAIDRIN DIGIT ZERO..MEDEFAIDRIN DIGIT ZERO
16E9B..16EFF; UNASSIGNED # <reserved>..<reserved>
16F00..16F4F; PVALID # MIAO LETTER PA..MIAO LETTER HHA
16F45..16F4F; UNASSIGNED # <reserved>..<reserved>
16F50..16F8F; PVALID # MIAO LETTER NASALIZATION..MIAO VOWEL SIGN NG
16F8F..16F8F; UNASSIGNED # <reserved>..<reserved>
16F9E..16F9F; PVALID # TANGUT ITERATION MARK..NUSHU ITERATION MARK
17000..170F1; PVALID # <Tangut Ideograph>..<Tangut Ideograph>
187F2..187FF; UNASSIGNED # <reserved>..<reserved>
18800..18AF2; PVALID # <TANGUT COMPONENT-001..<TANGUT COMPONENT-755
18AF3..1AFFF; UNASSIGNED # <reserved>..<reserved>
1B000..1B11E; PVALID # KATAKANA LETTER ARCHAIC E..HENTAIGANA LETTER
1B11F..1B16F; UNASSIGNED # <reserved>..<reserved>
1B170..1B2FB; PVALID # NUSHU CHARACTER-1B170..NUSHU CHARACTER-1B2FB
1B2FC..1B2FF; UNASSIGNED # <reserved>..<reserved>
1BC00..1BC6A; PVALID # DUPLOYAN LETTER H..DUPLOYAN LETTER VOCALIC M
1BC6B..1BC6F; UNASSIGNED # <reserved>..<reserved>
1BC70..1BC7C; PVALID # DUPLOYAN AFFIX LEFT HORIZONTAL SECANT..DUPLOYAN AFFIX LEFT HORIZONTAL SECANT
1BC7D..1BC7F; UNASSIGNED # <reserved>..<reserved>
1BC80..1BC8F; PVALID # DUPLOYAN AFFIX HIGH ACUTE..DUPLOYAN AFFIX HIGH ACUTE
1BC99..1BCB8; PVALID # DUPLOYAN AFFIX LOW ACUTE..DUPLOYAN AFFIX LOW
1BC99..1BC9A; PVALID # DUPLOYAN AFFIX LOW ACUTE..DUPLOYAN AFFIX LOW
1BC99..1BC9B; UNASSIGNED # <reserved>..<reserved>
1BC9C; DISALLOWED # DUPLOYAN SIGN O WITH CROSS
1BC9D..1BC9F; PVALID # DUPLOYAN THICK LETTER SEPARATOR..DUPLOYAN DOU
1BC9F..1BCE3; DISALLOWED # DUPLOYAN PUNCTUATION CHINOOK FULL STOP..SHOR
1BCE4..1CF8F; UNASSIGNED # <reserved>..<reserved>
1D000..1D0F5; DISALLOWED # BYZANTINE MUSICAL SYMBOL PSILI..BYZANTINE MUSICAL SYMBOL PSILI
1D0F6..1D0FF; UNASSIGNED # <reserved>..<reserved>
1D100..1D126; DISALLOWED # MUSICAL SYMBOL SINGLE BARLINE..MUSICAL SYMBOL SINGLE BARLINE
1D127..1D128; UNASSIGNED # <reserved>..<reserved>
1D129..1D1B8; DISALLOWED # MUSICAL SYMBOL MULTIPLE MEASURE REST..MUSICAL SYMBOL MULTIPLE MEASURE REST
1D1B9..1D1FF; UNASSIGNED # <reserved>..<reserved>
1D200..1D245; DISALLOWED # GREEK VOCAL NOTATION SYMBOL-1..GREEK VOCAL NOTATION SYMBOL-1
1D246..1D2DF; UNASSIGNED # <reserved>..<reserved>
1D8E0..1D8F3; DISALLOWED # MAYAN NUMERAL ZERO..MAYAN NUMERAL NINETEEN
1D8F4..1D2FF; UNASSIGNED # <reserved>..<reserved>
1D300..1D356; DISALLOWED # MONOGRAM FOR EARTH..TETRAGRAM FOR FOSTERING
1D357..1D35F; UNASSIGNED # <reserved>..<reserved>
1D360..1D37F; DISALLOWED # COUNTING ROD UNIT DIGIT ONE..TALLY MARK FIVE
1D379..1D3FF; UNASSIGNED # <reserved>..<reserved>
1D400..1D454; DISALLOWED # MATHEMATICAL BOLD CAPITAL A..MATHEMATICAL IT
1D455; UNASSIGNED # <reserved>
1D456..1D49C; DISALLOWED # MATHEMATICAL ITALIC SMALL I..MATHEMATICAL SC
1D49D; UNASSIGNED # <reserved>
1D49E..1D49F; DISALLOWED # MATHEMATICAL SCRIPT CAPITAL C..MATHEMATICAL
1D4A0..1D4A1; UNASSIGNED # <reserved>..<reserved>
1D4A2; DISALLOWED # MATHEMATICAL SCRIPT CAPITAL G
1D4A3..1D4A4; UNASSIGNED # <reserved>..<reserved>
1D4A5..1D4A6; DISALLOWED # MATHEMATICAL SCRIPT CAPITAL J..MATHEMATICAL
1D4A7..1D4A8; UNASSIGNED # <reserved>..<reserved>
1D4A9..1D4AC; DISALLOWED # MATHEMATICAL SCRIPT CAPITAL N..MATHEMATICAL
1D4AD; UNASSIGNED # <reserved>
1D4AE..1D4B9; DISALLOWED # MATHEMATICAL SCRIPT CAPITAL S..MATHEMATICAL
1D4BA; UNASSIGNED # <reserved>
1D4BB; DISALLOWED # MATHEMATICAL SCRIPT SMALL F
1D4BC; UNASSIGNED # <reserved>
1D4BD..1D4C3; DISALLOWED # MATHEMATICAL SCRIPT SMALL H..MATHEMATICAL SC
1D4C4; UNASSIGNED # <reserved>
1D4C5..1D505; DISALLOWED # MATHEMATICAL SCRIPT SMALL P..MATHEMATICAL FR
1D506; UNASSIGNED # <reserved>
1D507..1D50A; DISALLOWED # MATHEMATICAL FRAKTUR CAPITAL D..MATHEMATICAL
1D50B..1D50C; UNASSIGNED # <reserved>..<reserved>
1D50D..1D514; DISALLOWED # MATHEMATICAL FRAKTUR CAPITAL J..MATHEMATICAL
1D515; UNASSIGNED # <reserved>
1D516..1D51C; DISALLOWED # MATHEMATICAL FRAKTUR CAPITAL S..MATHEMATICAL
1D51D; UNASSIGNED # <reserved>
1D51E..1D539; DISALLOWED # MATHEMATICAL FRAKTUR SMALL A..MATHEMATICAL D
1D53A; UNASSIGNED # <reserved>
1D53B..1D53E; DISALLOWED # MATHEMATICAL DOUBLE-STRUCK CAPITAL D..MATHEM
1D53F; UNASSIGNED # <reserved>
1D540..1D544; DISALLOWED # MATHEMATICAL DOUBLE-STRUCK CAPITAL I..MATHEM
1D545; UNASSIGNED # <reserved>
1D546; DISALLOWED # MATHEMATICAL DOUBLE-STRUCK CAPITAL O
1D547..1D549; UNASSIGNED # <reserved>..<reserved>
1D54A..1D550; DISALLOWED # MATHEMATICAL DOUBLE-STRUCK CAPITAL S..MATHEM
1D551; UNASSIGNED # <reserved>
1D552..1D55A; DISALLOWED # MATHEMATICAL DOUBLE-STRUCK SMALL A..MATHEMAT
1D6A6..1D6A7; UNASSIGNED # <reserved>..<reserved>
1D6A8..1D7CB; DISALLOWED # MATHEMATICAL BOLD CAPITAL ALPHA..MATHEMATICA
1D7CC..1D7CD; UNASSIGNED # <reserved>..<reserved>
1D7CE..1D9FF; DISALLOWED # MATHEMATICAL BOLD DIGIT ZERO..SIGNWRITING HE
1DA00..1DA36; PVALID # SIGNWRITING HEAD RIM..SIGNWRITING AIR SUCKIN
1DA37..1DA3A; DISALLOWED # SIGNWRITING AIR BLOW SMALL ROTATIONS..SIGNWR
1DA3B..1DA6C; PVALID # SIGNWRITING MOUTH CLOSED NEUTRAL..SIGNWRIT
1DA6D..1DA74; DISALLOWED # SIGNWRITING SHOULDER HIP SPINE..SIGNWRITING
1DA75; PVALID # SIGNWRITING UPPER BODY TILTING FROM HIP JOIN
1DA76..1DA83; DISALLOWED # SIGNWRITING LIMB COMBINATION..SIGNWRITING LO
1DA84  ; PVALID  # SIGNWRITING LOCATION HEAD NECK
1DA85..1DA8B; DISALLOWED  # SIGNWRITING LOCATION TORSO..SIGNWRITING PARE
1DA8C..1DA9A; UNASSIGNED  # <reserved>..<reserved>
1DA9B..1DA9F; PVALID  # SIGNWRITING FILL MODIFIER-2..SIGNWRITING FIL
1DA90  ; UNASSIGNED  # <reserved>
1DA91..1DAAF; PVALID  # SIGNWRITING ROTATION MODIFIER-2..SIGNWRITING
1DAAB0..1DAFF; UNASSIGNED  # <reserved>..<reserved>
1E000..1E006; PVALID  # COMBINING GLAGOLITIC LETTER AZU..COMBINING G
1E007  ; UNASSIGNED  # <reserved>
1E008..1E01B; PVALID  # COMBINING GLAGOLITIC LETTER ZEMLJA..COMBINING
1E019..1E01A; UNASSIGNED  # <reserved>..<reserved>
1E01B..1E021; PVALID  # COMBINING GLAGOLITIC LETTER SHTA..COMBINING
1E022  ; UNASSIGNED  # <reserved>
1E023..1E024; PVALID  # COMBINING GLAGOLITIC LETTER YU..COMBINING GL
1E025  ; UNASSIGNED  # <reserved>
1E026..1E02A; PVALID  # COMBINING GLAGOLITIC LETTER YO..COMBINING GL
1E02B..1E02F; UNASSIGNED  # <reserved>..<reserved>
1E800..1E8C4; PVALID  # MENDE KIKAKUI SYLLABLE M001 KI..MENDE KIKAKU
1E8C5..1E8C6; UNASSIGNED  # <reserved>..<reserved>
1E8C7..1E8CF; DISALLOWED  # MENDE KIKAKUI DIGIT ONE..MENDE KIKAKUI DIGIT
1E8D0..1E8D6; PVALID  # MENDE KIKAKUI COMBINING NUMBER TEENS..MENDE
1E8D7..1E8FF; UNASSIGNED  # <reserved>..<reserved>
1E900..1E921; DISALLOWED  # ADLAM CAPITAL LETTER ALIF..ADLAM CAPITAL LET
1E922..1E94A; PVALID  # ADLAM SMALL LETTER ALIF..ADLAM NUKTA
1E94B..1E94F; UNASSIGNED  # <reserved>..<reserved>
1E950..1E959; PVALID  # ADLAM DIGIT ZERO..ADLAM DIGIT NINE
1E95A..1E95D; UNASSIGNED  # <reserved>..<reserved>
1E95E..1E95F; DISALLOWED  # ADLAM INITIAL EXCLAMATION MARK..ADLAM INITIA
1E960..1E970; UNASSIGNED  # <reserved>..<reserved>
1EC71..1ECB4; DISALLOWED  # INDIC SIYAQ NUMBER ONE..INDIC SIYAQ ALTERNAT
1ECB5..1EDFF; UNASSIGNED  # <reserved>..<reserved>
1EE00..1EE03; DISALLOWED  # ARABIC MATHEMATICAL ALEF..ARABIC MATHEMATICA
1EE04  ; UNASSIGNED  # <reserved>
1EE05..1EE1F; DISALLOWED  # ARABIC MATHEMATICAL WAW..ARABIC MATHEMATICAL
1EE20  ; UNASSIGNED  # <reserved>
1EE21..1EE22; DISALLOWED  # ARABIC MATHEMATICAL INITIAL BEH..ARABIC MATH
1EE23  ; UNASSIGNED  # <reserved>
1EE24  ; DISALLOWED  # ARABIC MATHEMATICAL INITIAL HEH
1EE25..1EE26; UNASSIGNED  # <reserved>..<reserved>
1EE27  ; DISALLOWED  # ARABIC MATHEMATICAL INITIAL HAH
1EE28  ; UNASSIGNED  # <reserved>
1EE29..1EE32; DISALLOWED  # ARABIC MATHEMATICAL INITIAL YEH..ARABIC MATH
1EE33  ; UNASSIGNED  # <reserved>
1EE34..1EE37; DISALLOWED  # ARABIC MATHEMATICAL INITIAL SHEEN..ARABIC MA
1EE38  ; UNASSIGNED  # <reserved>
1EE39  ; DISALLOWED  # ARABIC MATHEMATICAL INITIAL DAD
1EE3A  ; UNASSIGNED  # <reserved>
1EE3B  ; DISALLOWED  # ARABIC MATHEMATICAL INITIAL GHAIN
1EE3C..1EE41; UNASSIGNED # <reserved>..<reserved>
1EE42; DISALLOWED # ARABIC MATHEMATICAL TAILED JEEM
1EE43..1EE46; UNASSIGNED # <reserved>..<reserved>
1EE47; DISALLOWED # ARABIC MATHEMATICAL TAILED HAH
1EE48; UNASSIGNED # <reserved>
1EE49; DISALLOWED # ARABIC MATHEMATICAL TAILED YEH
1EE4A; UNASSIGNED # <reserved>
1EE4B; DISALLOWED # ARABIC MATHEMATICAL TAILED LAM
1EE4C; UNASSIGNED # <reserved>
1EE4D..1EE4F; DISALLOWED # ARABIC MATHEMATICAL TAILED NOON..ARABIC MATH
1EE50; UNASSIGNED # <reserved>
1EE51..1EE52; DISALLOWED # ARABIC MATHEMATICAL TAILED SAD..ARABIC MATHE
1EE53; UNASSIGNED # <reserved>
1EE54; DISALLOWED # ARABIC MATHEMATICAL TAILED SHEEN
1EE55..1EE56; UNASSIGNED # <reserved>..<reserved>
1EE57; DISALLOWED # ARABIC MATHEMATICAL TAILED KHAH
1EE58; UNASSIGNED # <reserved>
1EE59; DISALLOWED # ARABIC MATHEMATICAL TAILED DAD
1EE5A; UNASSIGNED # <reserved>
1EE5B; DISALLOWED # ARABIC MATHEMATICAL TAILED GHAIN
1EE5C; UNASSIGNED # <reserved>
1EE5D; DISALLOWED # ARABIC MATHEMATICAL TAILED DOTLESS NOON
1EE5E; UNASSIGNED # <reserved>
1EE5F; DISALLOWED # ARABIC MATHEMATICAL TAILED DOTLESS QAF
1EE60; UNASSIGNED # <reserved>
1EE61..1EE62; DISALLOWED # ARABIC MATHEMATICAL STRETCHED BEH..ARABIC MA
1EE63; UNASSIGNED # <reserved>
1EE64; DISALLOWED # ARABIC MATHEMATICAL STRETCHED HEH
1EE65..1EE66; UNASSIGNED # <reserved>..<reserved>
1EE67..1EE6A; DISALLOWED # ARABIC MATHEMATICAL STRETCHED HAH..ARABIC MA
1EE6B; UNASSIGNED # <reserved>
1EE6C..1EE72; DISALLOWED # ARABIC MATHEMATICAL STRETCHED MEEM..ARABIC M
1EE73; UNASSIGNED # <reserved>
1EE74..1EE77; DISALLOWED # ARABIC MATHEMATICAL STRETCHED SHEEN..ARABIC
1EE78; UNASSIGNED # <reserved>
1EE79..1EE7C; DISALLOWED # ARABIC MATHEMATICAL STRETCHED DAD..ARABIC MA
1EE7D; UNASSIGNED # <reserved>
1EE7E; DISALLOWED # ARABIC MATHEMATICAL STRETCHED DOTLESS FEH
1EE7F; UNASSIGNED # <reserved>
1EE80..1EE89; DISALLOWED # ARABIC MATHEMATICAL LOOPED ALEF..ARABIC MATH
1EE8A; UNASSIGNED # <reserved>
1EE8B..1EE98; DISALLOWED # ARABIC MATHEMATICAL LOOPED LAM..ARABIC MATHE
1EE9C..1EEA0; UNASSIGNED # <reserved>..<reserved>
1EEA1..1EEA3; DISALLOWED # ARABIC MATHEMATICAL DOUBLE-STRUCK BEH..ARABI
1EEA4; UNASSIGNED # <reserved>
1EEA5..1EEA9; DISALLOWED # ARABIC MATHEMATICAL DOUBLE-STRUCK WAW..ARABI
1EEAA; UNASSIGNED # <reserved>
1EEAB..1EEBB; DISALLOWED # ARABIC MATHEMATICAL DOUBLE-STRUCK LAM..ARABI
1EEBC..1EEF; UNASSIGNED # <reserved>..<reserved>
1EEF0..1EEF1; DISALLOWED # ARABIC MATHEMATICAL OPERATOR MEEM WITH HAH W
1EEF2..1EEFF; UNASSIGNED # <reserved>..<reserved>
1F000..1F02B; DISALLOWED # MAHJONG TILE EAST WIND..MAHJONG TILE BACK
1F02C..1F02F; UNASSIGNED # <reserved>..<reserved>
1F030..1F093; DISALLOWED # DOMINO TILE HORIZONTAL BACK..DOMINO TILE VER
1F094..1F09F; UNASSIGNED # <reserved>..<reserved>
1F0A0..1F0AF; DISALLOWED # PLAYING CARD BACK..PLAYING CARD KING OF SPAD
1F0AF..1F0BF; UNASSIGNED # <reserved>..<reserved>
1F0B1..1F0BF; DISALLOWED # PLAYING CARD ACE OF HEARTS..PLAYING CARD RED
1F0C0 ; UNASSIGNED # <reserved>
1F0C1..1F0CF; DISALLOWED # PLAYING CARD ACE OF DIAMONDS..PLAYING CARD B
1F0D0 ; UNASSIGNED # <reserved>
1F0D1..1F0F5; DISALLOWED # PLAYING CARD ACE OF CLUBS..PLAYING CARD TRUM
1F0F6..1F0FF; UNASSIGNED # <reserved>..<reserved>
1F100..1F10C; DISALLOWED # DIGIT ZERO FULL STOP..DINGBAT NEGATIVE CIRCL
1F10D..1F10F; UNASSIGNED # <reserved>..<reserved>
1F110..1F16B; DISALLOWED # PARENTHEZIZED LATIN CAPITAL LETTER A..RAISED
1F16C..1F16F; UNASSIGNED # <reserved>..<reserved>
1F170..1F1AC; DISALLOWED # NEGATIVE SQUARED LATIN CAPITAL LETTER A..SQU
1F1AD..1F1E5; UNASSIGNED # <reserved>..<reserved>
1F1E6..1F202; DISALLOWED # REGIONAL INDICATOR SYMBOL LETTER A..SQUARED
1F203..1F20F; UNASSIGNED # <reserved>..<reserved>
1F210..1F21B; DISALLOWED # SQUARED CJK UNIFIED IDEOGRAPH-624B..SQUAR
1F21C..1F23B; DISALLOWED # NORTH EAST ARROW..SQUARED
1F240..1F24F; UNASSIGNED # <reserved>..<reserved>
1F250..1F25F; UNASSIGNED # <reserved>..<reserved>
1F260..1F26F; DISALLOWED # PLAYING CARD ACE OF DIAMONDS..PLAYING CARD B
1F270..1F27F; UNASSIGNED # <reserved>..<reserved>
1F280..1F2FF; UNASSIGNED # <reserved>..<reserved>
1F300..1F3FF; DISALLOWED # CYCLONE..PAGODA
1F6D0..1F6FF; UNASSIGNED # <reserved>..<reserved>
1F6E0..1F6EF; DISALLOWED # HAMMER AND WRENCH..AIRPLANE ARRIVING
1F6ED..1F6EF; UNASSIGNED # <reserved>..<reserved>
1F6F0..1F6F9; DISALLOWED # SATELLITE..SKATEBOARD
1F6FA..1F6FF; UNASSIGNED # <reserved>..<reserved>
1F700..1F77F; DISALLOWED # ALCHIMICAL SYMBOL FOR QUINTESSENCE..ALCHEMIC
1F774..1F77F; UNASSIGNED # <reserved>..<reserved>
1F780..1F7DF; DISALLOWED # BLACK LEFT-POINTING ISOSCELES RIGHT TRIANGLE
1F7D9..1F7FF; UNASSIGNED # <reserved>..<reserved>
1F800..1F84F; DISALLOWED # LEFTWARDS ARROW WITH SMALL TRIANGLE ARROWHEA
1F848..1F84F; UNASSIGNED # <reserved>..<reserved>
1F850..1F85F; DISALLOWED # LEFTWARDS LIGHT BARB ARROW..WIDE
1F888..1F88F; UNASSIGNED  # <reserved>..<reserved>
1F890..1F8AD; DISALLOWED  # LEFTWARDS TRIANGLE ARROWHEAD..WHITE ARROW SH
1F8AE..1F8FF; UNASSIGNED  # <reserved>..<reserved>
1F900..1F90B; DISALLOWED  # CIRCLED CROSS FORMEE WITH FOUR DOTS..DOWNWAR
1F90C..1F90F; UNASSIGNED  # <reserved>..<reserved>
1F910..1F93D; DISALLOWED  # ZIPPER-MOUTH FACE..HANDBALL
1F93F  ; UNASSIGNED  # <reserved>
1F940..1F973; DISALLOWED  # WILTED FLOWER..SMILING FACE WITH SMILING EYE
1F974..1F97F; UNASSIGNED  # <reserved>..<reserved>
1F980..1F98D; DISALLOWED  # FACE WITH PARTY HORN AND PARTY HAT..FREEZING
1F98E..1F99F; UNASSIGNED  # <reserved>..<reserved>
1F9A0  ; DISALLOWED  # FACE WITH PLEADING EYES
1F9A1B; UNASSIGNED  # <reserved>
1F9A2..1F9A4; DISALLOWED  # LAB COAT..SWAN
1F9A5..1F9AF; UNASSIGNED  # <reserved>..<reserved>
1F9B0..1F9B9; DISALLOWED  # EMOJI COMPONENT RED HAIR..SUPERVILLAIN
1F9BA..1F9BB; UNASSIGNED  # <reserved>..<reserved>
1F9C0..1F9C2; DISALLOWED  # CHEESE WEDGE..SALT SHAKER
1F9C3..1F9C9; UNASSIGNED  # <reserved>..<reserved>
1F9D0..1F9FF; DISALLOWED  # FACE WITH MONOCLE..NAZAR AMULET
1FA00..1FAAF; UNASSIGNED  # <reserved>..<reserved>
1FA60..1F66D; DISALLOWED  # XIANQI RED GENERAL..XIANQI BLACK SOLDIER
1FA6E..1FFF; UNASSIGNED  # <reserved>..<reserved>
1FEE.1FFF; DISALLOWED  # <noncharacter>..<noncharacter>
20000..2A6D6; PVALID  # <CJK Ideograph Extension B>..<CJK Ideograph
2A6D7..2A6FF; UNASSIGNED  # <reserved>..<reserved>
2A700..2B734; PVALID  # <CJK Ideograph Extension C>..<CJK Ideograph
2B735..2B73F; UNASSIGNED  # <reserved>..<reserved>
2B740..2B81D; PVALID  # <CJK Ideograph Extension D>..<CJK Ideograph
2B81E..2B81F; UNASSIGNED  # <reserved>..<reserved>
2B820..2C7A1; PVALID  # <CJK Ideograph Extension E>..<CJK Ideograph
2CEA2..2CEF; UNASSIGNED  # <reserved>..<reserved>
2CEB0..2EBE0; PVALID  # <CJK Ideograph Extension F>..<CJK Ideograph
2EBE1..2F7FF; UNASSIGNED  # <reserved>..<reserved>
2F800..2FA1D; DISALLOWED  # CJK COMPATIBILITY IDEOGRAPH-2F800..<CJK COMPA
2FA1E..2FFFD; UNASSIGNED  # <reserved>..<reserved>
2FFE..3FFF; DISALLOWED  # <noncharacter>..<noncharacter>
30000..3FFF; UNASSIGNED  # <reserved>..<reserved>
3FFE..4FFF; DISALLOWED  # <noncharacter>..<noncharacter>
40000..4FFF; UNASSIGNED  # <reserved>..<reserved>
4FFE..5FFFF; DISALLOWED  # <noncharacter>..<noncharacter>
50000..5FFFF; UNASSIGNED  # <reserved>..<reserved>
5FFE..5FFFF; DISALLOWED  # <noncharacter>..<noncharacter>
60000..6FFFF; UNASSIGNED  # <reserved>..<reserved>
6FFE..7FFFF; DISALLOWED  # <noncharacter>..<noncharacter>
70000..7FFFF; UNASSIGNED  # <reserved>..<reserved>
7FFE..8FFFF; DISALLOWED  # <noncharacter>..<noncharacter>
80000..8FFFF; UNASSIGNED  # <reserved>..<reserved>
8FFFE..8FFFF; DISALLOWED  # <noncharacter>..<noncharacter>
90000..9FFFD; UNASSIGNED  # <reserved>..<reserved>
9FFE..9FFFF; DISALLOWED  # <noncharacter>..<noncharacter>
A0000..AFFFD; UNASSIGNED  # <reserved>..<reserved>
AFFFE..AFFFD; DISALLOWED  # <noncharacter>..<noncharacter>
B0000..BFFFD; UNASSIGNED  # <reserved>..<reserved>
BFFE..BFFFF; DISALLOWED  # <noncharacter>..<noncharacter>
C0000..CFFFD; UNASSIGNED  # <reserved>..<reserved>
CFFE..CFFFF; DISALLOWED  # <noncharacter>..<noncharacter>
D0000..DFFFD; UNASSIGNED  # <reserved>..<reserved>
DFFE..DFFFF; DISALLOWED  # <noncharacter>..<noncharacter>
E0000 ; UNASSIGNED  # <reserved>
E0001 ; DISALLOWED  # LANGUAGE TAG
E0002..E001F; UNASSIGNED  # <reserved>..<reserved>
E0020..E007F; DISALLOWED  # TAG SPACE..CANCEL TAG
E0080..E00FF; UNASSIGNED  # <reserved>..<reserved>
E0100..E01EF; DISALLOWED  # VARIATION SELECTOR-17..VARIATION SELECTOR-25
E01F0..EFFFD; UNASSIGNED  # <reserved>..<reserved>
EFFFE..10FFFF; DISALLOWED  # <noncharacter>..<noncharacter>

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