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**The Unicode Codepoints and IDN  
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Abstract

This document specifies rules for deciding whether a codepoint, considered in isolation, is a candidate for inclusion in an Internationalized Domain Name.

It is part of the specification of IDNA200X.

## Table of Contents

<a href="#">1.</a>	<a href="#">Introduction . . . . .</a>	<a href="#">3</a>
<a href="#">2.</a>	<a href="#">Category definitions Used to Calculate Derived Property Value . . . . .</a>	<a href="#">5</a>
<a href="#">2.1.</a>	<a href="#">Categories Based on Unicode Properties . . . . .</a>	<a href="#">5</a>
<a href="#">2.1.1.</a>	<a href="#">Category A - Classes of Codepoints . . . . .</a>	<a href="#">5</a>
<a href="#">2.1.2.</a>	<a href="#">Category B - Normalization . . . . .</a>	<a href="#">6</a>
<a href="#">2.1.3.</a>	<a href="#">Category C - Casefolding . . . . .</a>	<a href="#">6</a>
<a href="#">2.1.4.</a>	<a href="#">Category D - Ignorables . . . . .</a>	<a href="#">7</a>
<a href="#">2.1.5.</a>	<a href="#">Category E - Historical Scripts . . . . .</a>	<a href="#">7</a>
<a href="#">2.1.6.</a>	<a href="#">Category F - Blocks of Characters . . . . .</a>	<a href="#">7</a>
<a href="#">2.2.</a>	<a href="#">Other Categories . . . . .</a>	<a href="#">8</a>
<a href="#">2.2.1.</a>	<a href="#">Category G - ASCII LDH . . . . .</a>	<a href="#">8</a>
<a href="#">2.2.2.</a>	<a href="#">Category H - Exceptions . . . . .</a>	<a href="#">8</a>
<a href="#">2.2.3.</a>	<a href="#">Category I - CJK Subsetting . . . . .</a>	<a href="#">8</a>
<a href="#">2.2.4.</a>	<a href="#">Category J - Character Groups Requiring Special Treatment . . . . .</a>	<a href="#">9</a>
<a href="#">2.2.5.</a>	<a href="#">Category K - Unassigned codepoints . . . . .</a>	<a href="#">9</a>
<a href="#">3.</a>	<a href="#">Calculation of the Derived Property . . . . .</a>	<a href="#">9</a>
<a href="#">3.1.</a>	<a href="#">Classified Scripts . . . . .</a>	<a href="#">10</a>
<a href="#">3.1.1.</a>	<a href="#">Scripts derived from Common European Scripts . . . . .</a>	<a href="#">10</a>
<a href="#">3.1.2.</a>	<a href="#">Scripts derived from Han . . . . .</a>	<a href="#">10</a>
<a href="#">3.2.</a>	<a href="#">Scripts not classified for IDN so far . . . . .</a>	<a href="#">11</a>
<a href="#">4.</a>	<a href="#">Codepoints . . . . .</a>	<a href="#">11</a>
<a href="#">5.</a>	<a href="#">IANA Considerations . . . . .</a>	<a href="#">11</a>
<a href="#">6.</a>	<a href="#">Security Considerations . . . . .</a>	<a href="#">11</a>
<a href="#">7.</a>	<a href="#">Contributors . . . . .</a>	<a href="#">12</a>
<a href="#">8.</a>	<a href="#">Acknowledgements . . . . .</a>	<a href="#">12</a>
<a href="#">9.</a>	<a href="#">References . . . . .</a>	<a href="#">12</a>
<a href="#">9.1.</a>	<a href="#">Normative References . . . . .</a>	<a href="#">12</a>
<a href="#">9.2.</a>	<a href="#">Informative References . . . . .</a>	<a href="#">12</a>
<a href="#">Appendix A.</a>	<a href="#">Codepoints 0x0000 - 0x10FFFD . . . . .</a>	<a href="#">13</a>
<a href="#">A.1.</a>	<a href="#">Codepoints in Unicode Character Database (UCD) format . . . . .</a>	<a href="#">14</a>
	<a href="#">Author's Address . . . . .</a>	<a href="#">53</a>
	<a href="#">Intellectual Property and Copyright Statements . . . . .</a>	<a href="#">54</a>



## 1. Introduction

[RFC 4690](#) [[RFC4690](#)] suggests an inclusion based approach for selecting the codepoints from The Unicode Standard [[Unicode5](#)] that should be included in the list of codepoints that may be used in Internationalized Domain Names.

Specifically, [RFC 4690](#) [[RFC4690](#)] says the following:

The IAB has concluded that there is a consensus within the broader community that lists of code points should be specified by the use of an inclusion-based mechanism (i.e., identifying the characters that are permitted), rather than by excluding a small number of characters from the total Unicode set as Stringprep [[RFC3454](#)] and Nameprep [[RFC3491](#)] do today. That conclusion should be reviewed by the IETF community and action taken as appropriate.

This document reviews and classifies the collections of codepoints in the Unicode character set by examining various properties of the codepoints. It then defines an algorithm for determining a derived property value. It specifies a procedure and not a table of codepoints so that the algorithm can be used to determine code point sets independent of the version of Unicode that is in use.

This document is not intended to specify precisely how these property values are to be applied in IDN labels. That information appears in [[IDNA200X-protocol](#)], but it is important to understand that the assignment of a value of this property to a particular character is not sufficient to determine whether it can be used in a given label. In particular, some combinations of allowed codepoints are not advisable for use in IDNs due to rules specific to a script or class of characters. The requirement for such rules is linked to the "CONTEXT" property value described below; the rules are described in other documents.

The value of the property is to be interpreted approximately as follows.

- o ALWAYS: Those that should clearly be included in IDNs. Codepoints with this property value are permitted for general use in IDNs. Once assigned to this category, a character is never removed from it unless it is removed from Unicode.
- o MAYBE YES: These characters have not yet been completely classified, possibly because further information is needed about permitted context. The categories to which they belong generally predict that they will be acceptable. Over time, characters may be reclassified from this category to others.



- o **MAYBE NOT:** These characters have not yet been completely classified, possibly because further information is needed about permitted context. The categories to which they belong generally predict that they not be acceptable. Over time, characters may be reclassified from this category to others.
- o **CONTEXT:** (Contextual Rule Required) Some characteristic of the character, such as it being invisible in certain contexts or problematic in others, requires that it not be used in labels unless specific other characters or properties are present. So the character must not be used unless an appropriate rule has been established and the context of the character is consistent with that rule.
- o **NEVER:** Those that should clearly not be included in IDNs. Codepoints with this property value will never be permitted in IDNs. Once a codepoint is assigned to this category, it is never removed or reclassified.
- o **UNASSIGNED:** Those codepoints that are unassigned in the Unicode Standard.

The category name **MAYBE** can be used for the union of the categories **MAYBE YES** and **MAYBE NO**.

There is a need for more than two categories because there are complex trade offs involved. In many cases, there is just not sufficient information available at present, especially with regard to considerations of appropriateness of use of the character in IDNs that are not related to formal Unicode character properties. The (non-normative) table in [Appendix A](#) is derived from data in Unicode 5.0, rather than the earlier Unicode 3.2; this in order to take advantage of the expanded character repertoire and better definitions in the newer version. The mechanisms described here allow determination of the value of the property for future versions of Unicode (including characters added after Unicode 5.0). It should be suitable for newer revisions of Unicode, as long as the Unicode properties on which it is based remain stable.

Some codepoints need to be allowed in exceptional circumstances, but should be excluded in all other cases; these rules are also described in other documents. The most notable of these are the **ZERO WIDTH JOINER** (U+200D) and **ZERO WIDTH NON-JOINER** (U+200C). Both of them have the derived property value **CONTEXT**. It is invalid to either register a string containing these characters or even to look one up unless the rule is found and satisfied.

This document is part of a series that, together, constitute a preliminary proposal for updating the IDNA standards to resolve issues uncovered in recent years, cover a broader range of scripts, and provide for migration to newer versions of Unicode. See



[IDNA200X-issues] for a broader discussion.

## **2. Category definitions Used to Calculate Derived Property Value**

### **2.1. Categories Based on Unicode Properties**

The derived property obtains its value based on a two step procedure. First, characters are placed in one or more character categories based on core properties defined by the Unicode Standard. These categories are not mutually exclusive. For some of the categories, the value is based on the explicit codepoint is tested. One of them is for compatibility with "traditional DNS" hostnames. Another involves an exception rule for specific codepoints.

In the second step, set operations are used with these categories to determine the values for an IDN-specific property. Those operations are specified in [Section 3](#).

In many cases aliases are used in the data in the Unicode Standard. This document uses both the alias and the spelled out terms (for example alias Ll for the General Category Lowercase\_Letter).

#### **2.1.1. Category A - Classes of Codepoints**

A: `generalCategory(cp)` is in {Ll, Lu, Lo, Nd, Lm, Mn, Mc}

These rules identify characters commonly used in mnemonics and often informally described as "language characters". In general, only codepoints assigned to this category are suitable for use in IDN (but not all of them).

The `generalCategory` of a codepoint is found in `UnicodeData.txt` [[1](#)] in the third column. The mapping between the alias (for example Ll) and the name of the general category is found in `PropertyValueAliases.txt` [[2](#)] under the heading `General_Category`.

The categories used in this rule are:

- o Ll - Lowercase\_Letter
- o Lu - Uppercase\_Letter
- o Lo - Other\_Letter
- o Nd - Decimal\_Number
- o Lm - Modifier\_Letter
- o Mn - Nonspacing\_Mark
- o Mc - Spacing\_Mark





### **2.1.2. Category B - Normalization**

B: NFKC(cp) != cp

The category is used to group the characters that change under NFKC normalization. In general, these codepoints are not suitable for use for IDN.

The normalization algorithm NFKC is defined as NFKD (canonical) decomposition followed by canonical composition. Decomposition mapping is found in the sixth column in UnicodeData.txt [1] that together with UAX #15 [3] define the various normalization forms. The data (sixth column) include the decomposition mapping. In the case of canonical, rather than compatibility mapping, it also shows the decomposition type within angle brackets. An exclusion table for composition exists in CompositionExclusions.txt [4]. Singleton decompositions, those that map a single codepoint into another single codepoint, are never composed. Hangul is decomposed and composed according to an algorithm specified in the Unicode Standard.

The rules that form this category may include the composed form of a codepoint, and because of step 2 the codepoint is not suitable for use in IDN. This implies only the associated decomposed form could be used for IDN (as is the case with U+0140). However, other rules involving the General Category might then cause rejection of some of the codepoints that make up the decomposed form. If that combination occurs, neither the composed nor the decomposed forms are permitted in IDN labels unless there is a Category H ([Section 2.2.2](#)) Exception (U+00B7 is an example of this case).

### **2.1.3. Category C - Casefolding**

C: casefold(cp) != cp

This category is used to group all characters that change when folded to lower case. In general, these codepoints are not suitable for use for IDN.

Case folding rules can in general be found in UnicodeData.txt [1] in the 14th column. A table of special cases can be found in SpecialCasing.txt [5]. The SpecialCasing.txt [5] file includes both general casing rules and conditional mappings. Only transformations associated with unconditional mappings are included in this category. One can see whether the mapping is conditional or not in the 5th column of SpecialCasing.txt [5]. If the column is empty, the mapping is unconditional.

Known codepoints with difficult case folding include U+00DF (LATIN



SMALL LETTER SHARP S) and U+0130 (LATIN CAPITAL LETTER I WITH DOT ABOVE).

#### **2.1.4. Category D - Ignorables**

D: `property(cp)` is in `{Other_Default_Ignorable_Code_Point, Noncharacter_Code_Point}`

In general, these codepoints are not suitable for use for IDN.

The required properties are associated with codepoints in `PropList.txt` [6].

Note that there are also derived properties in `DerivedCoreProperties.txt` [7]. These are not used for reasons explained above. It has been discussed whether `Default_Ignorable_Code_Point` should be used, but as that is a derived property, it is not used. The definition for `Default_Ignorable_Code_Point` can be found in `DerivedCoreProperties.txt` [7] (and erratum of 2007-January-25 [8]) and is

`Other_Default_Ignorable_Code_Point + Cf + Cc + Cs`  
`+ Noncharacter_Code_Point + Variation_Selector`  
`- White_Space - FFF9..FFFB (Annotation Characters)`

#### **2.1.5. Category E - Historical Scripts**

E: `script(cp)` in `{Cuneiform, Ugaritic, Old_Persian, Gothic, Old_Italic, Cypriot, Linear_B, Phoenician, Kharoshthi, Phags_Pa, Glagolitic, Shavian, Deseret, Osmanya, Ogham}`

This category is used for identifying codepoints in historical scripts. In general, these codepoints are inappropriate for use in IDNs because no living script-user communities are known.

The script to which a codepoint belongs is listed in `Scripts.txt` [9]. Note that aliases for scripts can be found in `PropertyValueAliases.txt` [2], so `Xsux` is for example an alias for the script `Cuneiform`.

#### **2.1.6. Category F - Blocks of Characters**

F: `block(cp)` in `{Combining_Diacritical_Marks_for_Symbols, Musical_Symbols, Ancient_Greek_Musical_Notation}`

This category rule is used to identifying codepoints that are not



useful in mnemonics or that are otherwise impractical for IDN use. In general, these codepoints are not suitable for use for IDN.

The block to which a codepoint belongs is listed in Blocks.txt [[10](#)].

## **[2.2.](#) Other Categories**

### **[2.2.1.](#) Category G - ASCII LDH**

G: cp is in {0061..007A, 0030..0039, 002D}

This category is used in the second step to preserve the traditional "hostname" (LDH) characters (a-z, 0-9 and '-'). In general, these codepoints are suitable for use for IDN.

The characters in this category are defined by a list of specific permitted ASCII [[11](#)] characters.

### **[2.2.2.](#) Category H - Exceptions**

[[anchor3: Note in Draft: This list may be further modified as the implications of are examined.]]Category J ([Section 2.2.4](#))

H: cp in {00B7, 05F3, 05F4, 3007, 303B, 30FB}

This category explicitly lists codepoints for which the category cannot be assigned using only the core property values that exist in the Unicode standard. The values are according to the table below:

```
00B7; MAYBE YES # MIDDLE DOT
05F3; MAYBE YES # HEBREW PUNCTUATION GERESH
05F4; MAYBE YES # HEBREW PUNCTUATION GERSHAYIM
3005; ALWAYS    # IDEOGRAPHIC ITERATION MARK
3007; ALWAYS    # IDEOGRAPHIC NUMBER ZERO
303B; MAYBE YES # VERTICAL IDEOGRAPHIC ITERATION MARK
30FB; MAYBE YES # KATAKANA MIDDLE DOT
```

### **[2.2.3.](#) Category I - CJK Subsetting**

I: script(cp) is in {Han}

[[anchor4: Note in Draft: The actual rule here should not be a test for the script, as that is already part of the definition of. This is only a placeholder to make the overall algorithm be complete.]]Category Y ([Section 3.1.2](#))



#### **2.2.4. Category J - Character Groups Requiring Special Treatment**

[[anchor5: Note in Draft: This list may be increased (for example with Cc) as the implications of.]]Classifying more scripts ([Section 3.2](#))

J: generalCategory(cp) is in {Cf}

This category consists of non-language characters (i.e., those that are not in Category A ([Section 2.1.1](#))) but that may still be required in IDN labels under some circumstances. In general, the second step uses this category to either require contextual rules or to exclude the characters.

#### **2.2.5. Category K - Unassigned codepoints**

K: cp is unassigned

This category consists of codepoints in the Unicode character set that is not (yet) assigned.

### **3. Calculation of the Derived Property**

As described above ([Section 1](#)) and in more detail in the "IDNA Protocol" document [[IDNA200X-protocol](#)], possible values of the IDN property are:

- o ALWAYS
- o MAYBE YES
- o MAYBE NOT
- o CONTEXT
- o NEVER
- o UNASSIGNED

The algorithm to calculate the value of the derived property is as follows. The calculation is twofold. We first take care of exceptions and then look at multiple categories on a per-script basis.

First the special cases. If there is a match, do not go to the second phase.

- o If the codepoint is in Category G ([Section 2.2.1](#)), the value is ALWAYS.
- o If the codepoint is in Category J ([Section 2.2.4](#)), the value is CONTEXT.





- o If the codepoint is in Category K ([Section 2.2.5](#)), the value is UNASSIGNED.
- o If the codepoint is in Category H ([Section 2.2.2](#)), the value is according to the table in [Section 2.2.2](#).

If the special cases do not yield a final value for the property, the value depends on the script to which the codepoint belongs. This step is therefore organized by script, with the expectation that the list will grow over time, using criteria discussed in [\[IDNA200X-protocol\]](#). Once a script is added to this list, it is never removed. The order of scripts below is historical and has no substantive implications. [[anchor6: Note in Draft: A pointer to IANA Considerations and some discussion are probably needed here.]]

The two sets of scripts chosen as initial cases below were selected because extensive specific work has been done on the applicability and practical use of characters in those scripts in IDNs and, consequently, because we feel confident that we understand these scripts well enough to be sure that the characters placed into the NEVER category by these rules cannot possibly be candidates for reassignment to the ALWAYS category (or vice versa). As our confidence grows with regard to other scripts, we expect that they will be effectively added to this list, permitting the ALWAYS category to be used.

### **[3.1.](#) Classified Scripts**

#### **[3.1.1.](#) Scripts derived from Common European Scripts**

Z: script(cp) in {Latin, Greek, Cyrillic}

- o If the codepoint is not in Category A ([Section 2.1.1](#)), the value is NEVER.
- o If the codepoint is in Category A ([Section 2.1.1](#)), the following applies:
  - \* If the codepoint does not appear in any of the categories B ([Section 2.1.2](#)), C ([Section 2.1.3](#)), D ([Section 2.1.4](#)), E ([Section 2.1.5](#)) or F ([Section 2.1.6](#)), the value is ALWAYS.
  - \* If the codepoint is in any of the categories B ([Section 2.1.2](#)), C ([Section 2.1.3](#)), D ([Section 2.1.4](#)), E ([Section 2.1.5](#)) or F ([Section 2.1.6](#)), the value is NEVER.

#### **[3.1.2.](#) Scripts derived from Han**

Y: script(cp) in {Han}



- o If the codepoint is in Category B ([Section 2.1.2](#)), then the value is NEVER.
- o If the codepoint is not in Category B ([Section 2.1.2](#)), then the value is MAYBE YES.

### **3.2. Scripts not classified for IDN so far**

Other: script(cp) not classified so far

Scripts not classified above, or in successor documents, are never associated with the ALWAYS property value. They are given values as follows:

- o If the codepoint is not in Category A ([Section 2.1.1](#)), the value is NEVER.
- o If the codepoint is in Category A ([Section 2.1.1](#)), the following applies:
  - \* If the codepoint does not appear in any of the Categories B ([Section 2.1.2](#)), C ([Section 2.1.3](#)), D ([Section 2.1.4](#)), E ([Section 2.1.5](#)) or F ([Section 2.1.6](#)), the value is MAYBE YES.
  - \* If the codepoint is in any of the categories B ([Section 2.1.2](#)), C ([Section 2.1.3](#)), D ([Section 2.1.4](#)), E ([Section 2.1.5](#)) or F ([Section 2.1.6](#)), the value is NEVER.

## **4. Codepoints**

The Categories and Rules defined in [Section 2](#) and [Section 3](#) apply to all assigned Unicode characters. The table in [Appendix A](#) shows, for illustrative purposes, the consequences of the categories and classification rules, and the resulting property values.

The list of codepoints that can be found in [Appendix A](#) is non-normative. [Section 2](#) and [Section 3](#) are normative.

## **5. IANA Considerations**

...To be supplied. This work will ultimately require registries of characters that are acceptable for use in IDNs.

## **6. Security Considerations**

The security issues associated with this work are discussed in [[IDNA200X-issues](#)] and [[IDNA200X-protocol](#)].



## **7. Contributors**

While the listed editor held the pen, this document represents the joint work and conclusions of an ad hoc design team. In addition to the editor this consisted of, Harald Alvestrand, Tina Dam, Cary Karp, and John Klensin.

## **8. Acknowledgements**

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## **9. References**

### **9.1. Normative References**

- [RFC4690] Klensin, J., Faltstrom, P., and Karp, C., "Review and Recommendations for Internationalized Domain Names (IDNs)", [RFC 4690](#), September 2006.
- [Unicode5]  
The Unicode Consortium, "The Unicode Standard, Version 5.0", Boston, MA, Addison-Wesley ISBN 0-321-48091-0, 2007.

### **9.2. Informative References**

- [IDNA200X-Bidi]  
Alvestrand, H. and C. Karp, "An IDNA problem in right-to-left scripts", July 2007, <<http://www.ietf.org/internet-drafts/draft-alvestrand-idna-bidi-01.txt>>.
- [IDNA200X-issues]  
Klensin, J., Ed., "Internationalizing Domain Names for Applications (IDNA): Issues and Rationale", November 2007, <<http://www.ietf.org/internet-drafts/draft-klensin-idnabis-issues-05.txt>>.
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Klensin, J., "Internationalizing Domain Names in Applications (IDNA): Protocol", November 2007, <<http://www.ietf.org/internet-drafts/draft-klensin-idnabis-protocol-02.txt>>.



- [RFC1035] Mockapetris, P., "Domain names - implementation and specification", STD 13, [RFC 1035](#), November 1987.
- [RFC3454] Hoffman, P. and M. Blanchet, "Preparation of Internationalized Strings ("stringprep")", [RFC 3454](#), December 2002.
- [RFC3491] Hoffman, P. and M. Blanchet, "Nameprep: A Stringprep Profile for Internationalized Domain Names (IDN)", [RFC 3491](#), March 2003.
- [RFC4713] Lee, X., Mao, W., Chen, E., Hsu, N., and J. Klensin, "Registration and Administration Recommendations for Chinese Domain Names", [RFC 4713](#), October 2006.

#### URIs

- [1] <<http://unicode.org/Public/UNIDATA/UnicodeData.txt>>
- [2] <<http://unicode.org/Public/UNIDATA/PropertyValueAliases.txt>>
- [3] <<http://unicode.org/reports/tr15/>>
- [4] <<http://unicode.org/Public/UNIDATA/CompositionExclusions.txt>>
- [5] <<http://unicode.org/Public/UNIDATA/SpecialCasing.txt>>
- [6] <<http://unicode.org/Public/UNIDATA/PropList.txt>>
- [7] <<http://unicode.org/Public/UNIDATA/DerivedCoreProperties.txt>>
- [8] <<http://unicode.org/errata/>>
- [9] <<http://unicode.org/Public/UNIDATA/Scripts.txt>>
- [10] <<http://unicode.org/Public/UNIDATA/Blocks.txt>>
- [11] <<http://www.itscj.ipsj.or.jp/ISO-IR/002.pdf>>

#### **[Appendix A](#). Codepoints 0x0000 - 0x10FFFD**

If one apply the rules ([Section 3](#)) to the codepoints 0x0000 to 0x10FFFD, the result is as follows.

This list is non-normative, as explained in [Section 4](#), and only included for illustrative purposes.





**A.1. Codepoints in Unicode Character Database (UCD) format**

```
0000..002C ; NEVER      # <control>..COMMA
002D      ; ALWAYS     # HYPHEN-MINUS
002E..002F ; NEVER      # FULL STOP..SOLIDUS
0030..0039 ; ALWAYS     # DIGIT ZERO..DIGIT NINE
003A..0060 ; NEVER      # COLON..GRAVE ACCENT
0061..007A ; ALWAYS     # LATIN SMALL LETTER A..LATIN SMALL LETTER Z
007B..00AC ; NEVER      # LEFT CURLY BRACKET..NOT SIGN
00AD      ; CONTEXT    # SOFT HYPHEN
00AE..00B6 ; NEVER      # REGISTERED SIGN..PILCROW SIGN
00B7      ; MAYBE YES   # MIDDLE DOT
00B8..00DF ; NEVER      # CEDILLA..LATIN SMALL LETTER SHARP S
00E0..00F6 ; ALWAYS     # LATIN SMALL LETTER A WITH GRAVE..LATIN SMALL LE
00F7      ; NEVER      # DIVISION SIGN
00F8..00FF ; ALWAYS     # LATIN SMALL LETTER O WITH STROKE..LATIN SMALL L
0100      ; NEVER      # LATIN CAPITAL LETTER A WITH MACRON
0101      ; ALWAYS     # LATIN SMALL LETTER A WITH MACRON
0102      ; NEVER      # LATIN CAPITAL LETTER A WITH BREVE
0103      ; ALWAYS     # LATIN SMALL LETTER A WITH BREVE
0104      ; NEVER      # LATIN CAPITAL LETTER A WITH OGONEK
0105      ; ALWAYS     # LATIN SMALL LETTER A WITH OGONEK
0106      ; NEVER      # LATIN CAPITAL LETTER C WITH ACUTE
0107      ; ALWAYS     # LATIN SMALL LETTER C WITH ACUTE
0108      ; NEVER      # LATIN CAPITAL LETTER C WITH CIRCUMFLEX
0109      ; ALWAYS     # LATIN SMALL LETTER C WITH CIRCUMFLEX
010A      ; NEVER      # LATIN CAPITAL LETTER C WITH DOT ABOVE
010B      ; ALWAYS     # LATIN SMALL LETTER C WITH DOT ABOVE
010C      ; NEVER      # LATIN CAPITAL LETTER C WITH CARON
010D      ; ALWAYS     # LATIN SMALL LETTER C WITH CARON
010E      ; NEVER      # LATIN CAPITAL LETTER D WITH CARON
010F      ; ALWAYS     # LATIN SMALL LETTER D WITH CARON
0110      ; NEVER      # LATIN CAPITAL LETTER D WITH STROKE
0111      ; ALWAYS     # LATIN SMALL LETTER D WITH STROKE
0112      ; NEVER      # LATIN CAPITAL LETTER E WITH MACRON
0113      ; ALWAYS     # LATIN SMALL LETTER E WITH MACRON
0114      ; NEVER      # LATIN CAPITAL LETTER E WITH BREVE
0115      ; ALWAYS     # LATIN SMALL LETTER E WITH BREVE
0116      ; NEVER      # LATIN CAPITAL LETTER E WITH DOT ABOVE
0117      ; ALWAYS     # LATIN SMALL LETTER E WITH DOT ABOVE
0118      ; NEVER      # LATIN CAPITAL LETTER E WITH OGONEK
0119      ; ALWAYS     # LATIN SMALL LETTER E WITH OGONEK
011A      ; NEVER      # LATIN CAPITAL LETTER E WITH CARON
011B      ; ALWAYS     # LATIN SMALL LETTER E WITH CARON
011C      ; NEVER      # LATIN CAPITAL LETTER G WITH CIRCUMFLEX
011D      ; ALWAYS     # LATIN SMALL LETTER G WITH CIRCUMFLEX
011E      ; NEVER      # LATIN CAPITAL LETTER G WITH BREVE
011F      ; ALWAYS     # LATIN SMALL LETTER G WITH BREVE
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<a href="#">0120</a>	; NEVER	# LATIN CAPITAL LETTER G WITH DOT ABOVE
<a href="#">0121</a>	; ALWAYS	# LATIN SMALL LETTER G WITH DOT ABOVE
<a href="#">0122</a>	; NEVER	# LATIN CAPITAL LETTER G WITH CEDILLA
<a href="#">0123</a>	; ALWAYS	# LATIN SMALL LETTER G WITH CEDILLA
<a href="#">0124</a>	; NEVER	# LATIN CAPITAL LETTER H WITH CIRCUMFLEX
<a href="#">0125</a>	; ALWAYS	# LATIN SMALL LETTER H WITH CIRCUMFLEX
<a href="#">0126</a>	; NEVER	# LATIN CAPITAL LETTER H WITH STROKE
<a href="#">0127</a>	; ALWAYS	# LATIN SMALL LETTER H WITH STROKE
<a href="#">0128</a>	; NEVER	# LATIN CAPITAL LETTER I WITH TILDE
<a href="#">0129</a>	; ALWAYS	# LATIN SMALL LETTER I WITH TILDE
012A	; NEVER	# LATIN CAPITAL LETTER I WITH MACRON
012B	; ALWAYS	# LATIN SMALL LETTER I WITH MACRON
012C	; NEVER	# LATIN CAPITAL LETTER I WITH BREVE
012D	; ALWAYS	# LATIN SMALL LETTER I WITH BREVE
012E	; NEVER	# LATIN CAPITAL LETTER I WITH OGONEK
012F..0131	; ALWAYS	# LATIN SMALL LETTER I WITH OGONEK..LATIN SMALL L
0132..0134	; NEVER	# LATIN CAPITAL LIGATURE IJ..LATIN CAPITAL LETTER
<a href="#">0135</a>	; ALWAYS	# LATIN SMALL LETTER J WITH CIRCUMFLEX
<a href="#">0136</a>	; NEVER	# LATIN CAPITAL LETTER K WITH CEDILLA
0137..0138	; ALWAYS	# LATIN SMALL LETTER K WITH CEDILLA..LATIN SMALL
<a href="#">0139</a>	; NEVER	# LATIN CAPITAL LETTER L WITH ACUTE
013A	; ALWAYS	# LATIN SMALL LETTER L WITH ACUTE
013B	; NEVER	# LATIN CAPITAL LETTER L WITH CEDILLA
013C	; ALWAYS	# LATIN SMALL LETTER L WITH CEDILLA
013D	; NEVER	# LATIN CAPITAL LETTER L WITH CARON
013E	; ALWAYS	# LATIN SMALL LETTER L WITH CARON
013F..0141	; NEVER	# LATIN CAPITAL LETTER L WITH MIDDLE DOT..LATIN C
<a href="#">0142</a>	; ALWAYS	# LATIN SMALL LETTER L WITH STROKE
<a href="#">0143</a>	; NEVER	# LATIN CAPITAL LETTER N WITH ACUTE
<a href="#">0144</a>	; ALWAYS	# LATIN SMALL LETTER N WITH ACUTE
<a href="#">0145</a>	; NEVER	# LATIN CAPITAL LETTER N WITH CEDILLA
<a href="#">0146</a>	; ALWAYS	# LATIN SMALL LETTER N WITH CEDILLA
<a href="#">0147</a>	; NEVER	# LATIN CAPITAL LETTER N WITH CARON
<a href="#">0148</a>	; ALWAYS	# LATIN SMALL LETTER N WITH CARON
0149..014A	; NEVER	# LATIN SMALL LETTER N PRECEDED BY APOSTROPHE..LA
014B	; ALWAYS	# LATIN SMALL LETTER ENG
014C	; NEVER	# LATIN CAPITAL LETTER O WITH MACRON
014D	; ALWAYS	# LATIN SMALL LETTER O WITH MACRON
014E	; NEVER	# LATIN CAPITAL LETTER O WITH BREVE
014F	; ALWAYS	# LATIN SMALL LETTER O WITH BREVE
<a href="#">0150</a>	; NEVER	# LATIN CAPITAL LETTER O WITH DOUBLE ACUTE
<a href="#">0151</a>	; ALWAYS	# LATIN SMALL LETTER O WITH DOUBLE ACUTE
<a href="#">0152</a>	; NEVER	# LATIN CAPITAL LIGATURE OE
<a href="#">0153</a>	; ALWAYS	# LATIN SMALL LIGATURE OE
<a href="#">0154</a>	; NEVER	# LATIN CAPITAL LETTER R WITH ACUTE
<a href="#">0155</a>	; ALWAYS	# LATIN SMALL LETTER R WITH ACUTE
<a href="#">0156</a>	; NEVER	# LATIN CAPITAL LETTER R WITH CEDILLA
<a href="#">0157</a>	; ALWAYS	# LATIN SMALL LETTER R WITH CEDILLA



<a href="#">0158</a>	; NEVER	# LATIN CAPITAL LETTER R WITH CARON
<a href="#">0159</a>	; ALWAYS	# LATIN SMALL LETTER R WITH CARON
015A	; NEVER	# LATIN CAPITAL LETTER S WITH ACUTE
015B	; ALWAYS	# LATIN SMALL LETTER S WITH ACUTE
015C	; NEVER	# LATIN CAPITAL LETTER S WITH CIRCUMFLEX
015D	; ALWAYS	# LATIN SMALL LETTER S WITH CIRCUMFLEX
015E	; NEVER	# LATIN CAPITAL LETTER S WITH CEDILLA
015F	; ALWAYS	# LATIN SMALL LETTER S WITH CEDILLA
<a href="#">0160</a>	; NEVER	# LATIN CAPITAL LETTER S WITH CARON
<a href="#">0161</a>	; ALWAYS	# LATIN SMALL LETTER S WITH CARON
<a href="#">0162</a>	; NEVER	# LATIN CAPITAL LETTER T WITH CEDILLA
<a href="#">0163</a>	; ALWAYS	# LATIN SMALL LETTER T WITH CEDILLA
<a href="#">0164</a>	; NEVER	# LATIN CAPITAL LETTER T WITH CARON
<a href="#">0165</a>	; ALWAYS	# LATIN SMALL LETTER T WITH CARON
<a href="#">0166</a>	; NEVER	# LATIN CAPITAL LETTER T WITH STROKE
<a href="#">0167</a>	; ALWAYS	# LATIN SMALL LETTER T WITH STROKE
<a href="#">0168</a>	; NEVER	# LATIN CAPITAL LETTER U WITH TILDE
<a href="#">0169</a>	; ALWAYS	# LATIN SMALL LETTER U WITH TILDE
016A	; NEVER	# LATIN CAPITAL LETTER U WITH MACRON
016B	; ALWAYS	# LATIN SMALL LETTER U WITH MACRON
016C	; NEVER	# LATIN CAPITAL LETTER U WITH BREVE
016D	; ALWAYS	# LATIN SMALL LETTER U WITH BREVE
016E	; NEVER	# LATIN CAPITAL LETTER U WITH RING ABOVE
016F	; ALWAYS	# LATIN SMALL LETTER U WITH RING ABOVE
<a href="#">0170</a>	; NEVER	# LATIN CAPITAL LETTER U WITH DOUBLE ACUTE
<a href="#">0171</a>	; ALWAYS	# LATIN SMALL LETTER U WITH DOUBLE ACUTE
<a href="#">0172</a>	; NEVER	# LATIN CAPITAL LETTER U WITH OGONEK
<a href="#">0173</a>	; ALWAYS	# LATIN SMALL LETTER U WITH OGONEK
<a href="#">0174</a>	; NEVER	# LATIN CAPITAL LETTER W WITH CIRCUMFLEX
<a href="#">0175</a>	; ALWAYS	# LATIN SMALL LETTER W WITH CIRCUMFLEX
<a href="#">0176</a>	; NEVER	# LATIN CAPITAL LETTER Y WITH CIRCUMFLEX
<a href="#">0177</a>	; ALWAYS	# LATIN SMALL LETTER Y WITH CIRCUMFLEX
0178..0179	; NEVER	# LATIN CAPITAL LETTER Y WITH DIAERESIS..LATIN CA
017A	; ALWAYS	# LATIN SMALL LETTER Z WITH ACUTE
017B	; NEVER	# LATIN CAPITAL LETTER Z WITH DOT ABOVE
017C	; ALWAYS	# LATIN SMALL LETTER Z WITH DOT ABOVE
017D	; NEVER	# LATIN CAPITAL LETTER Z WITH CARON
017E	; ALWAYS	# LATIN SMALL LETTER Z WITH CARON
017F	; NEVER	# LATIN SMALL LETTER LONG S
<a href="#">0180</a>	; ALWAYS	# LATIN SMALL LETTER B WITH STROKE
0181..0182	; NEVER	# LATIN CAPITAL LETTER B WITH HOOK..LATIN CAPITAL
<a href="#">0183</a>	; ALWAYS	# LATIN SMALL LETTER B WITH TOPBAR
<a href="#">0184</a>	; NEVER	# LATIN CAPITAL LETTER TONE SIX
<a href="#">0185</a>	; ALWAYS	# LATIN SMALL LETTER TONE SIX
0186..0187	; NEVER	# LATIN CAPITAL LETTER OPEN O..LATIN CAPITAL LETT
<a href="#">0188</a>	; ALWAYS	# LATIN SMALL LETTER C WITH HOOK
0189..018B	; NEVER	# LATIN CAPITAL LETTER AFRICAN D..LATIN CAPITAL L
018C..018D	; ALWAYS	# LATIN SMALL LETTER D WITH TOPBAR..LATIN SMALL L



018E..0191 ; NEVER	# LATIN CAPITAL LETTER REVERSED E..LATIN CAPITAL
<a href="#">0192</a> ; ALWAYS	# LATIN SMALL LETTER F WITH HOOK
0193..0194 ; NEVER	# LATIN CAPITAL LETTER G WITH HOOK..LATIN CAPITAL
<a href="#">0195</a> ; ALWAYS	# LATIN SMALL LETTER HV
0196..0198 ; NEVER	# LATIN CAPITAL LETTER IOTA..LATIN CAPITAL LETTER
0199..019B ; ALWAYS	# LATIN SMALL LETTER K WITH HOOK..LATIN SMALL LET
019C..019D ; NEVER	# LATIN CAPITAL LETTER TURNED M..LATIN CAPITAL LE
019E ; ALWAYS	# LATIN SMALL LETTER N WITH LONG RIGHT LEG
019F..01A0 ; NEVER	# LATIN CAPITAL LETTER O WITH MIDDLE TILDE..LATIN
01A1 ; ALWAYS	# LATIN SMALL LETTER O WITH HORN
01A2 ; NEVER	# LATIN CAPITAL LETTER OI
01A3 ; ALWAYS	# LATIN SMALL LETTER OI
01A4 ; NEVER	# LATIN CAPITAL LETTER P WITH HOOK
01A5 ; ALWAYS	# LATIN SMALL LETTER P WITH HOOK
01A6..01A7 ; NEVER	# LATIN LETTER YR..LATIN CAPITAL LETTER TONE TWO
01A8 ; ALWAYS	# LATIN SMALL LETTER TONE TWO
01A9 ; NEVER	# LATIN CAPITAL LETTER ESH
01AA..01AB ; ALWAYS	# LATIN LETTER REVERSED ESH LOOP..LATIN SMALL LET
01AC ; NEVER	# LATIN CAPITAL LETTER T WITH HOOK
01AD ; ALWAYS	# LATIN SMALL LETTER T WITH HOOK
01AE..01AF ; NEVER	# LATIN CAPITAL LETTER T WITH RETROFLEX HOOK..LAT
01B0 ; ALWAYS	# LATIN SMALL LETTER U WITH HORN
01B1..01B3 ; NEVER	# LATIN CAPITAL LETTER UPSILON..LATIN CAPITAL LET
01B4 ; ALWAYS	# LATIN SMALL LETTER Y WITH HOOK
01B5 ; NEVER	# LATIN CAPITAL LETTER Z WITH STROKE
01B6 ; ALWAYS	# LATIN SMALL LETTER Z WITH STROKE
01B7..01B8 ; NEVER	# LATIN CAPITAL LETTER EZH..LATIN CAPITAL LETTER
01B9..01BB ; ALWAYS	# LATIN SMALL LETTER EZH REVERSED..LATIN LETTER T
01BC ; NEVER	# LATIN CAPITAL LETTER TONE FIVE
01BD..01C3 ; ALWAYS	# LATIN SMALL LETTER TONE FIVE..LATIN LETTER RETR
01C4..01CD ; NEVER	# LATIN CAPITAL LETTER DZ WITH CARON..LATIN CAPIT
01CE ; ALWAYS	# LATIN SMALL LETTER A WITH CARON
01CF ; NEVER	# LATIN CAPITAL LETTER I WITH CARON
01D0 ; ALWAYS	# LATIN SMALL LETTER I WITH CARON
01D1 ; NEVER	# LATIN CAPITAL LETTER O WITH CARON
01D2 ; ALWAYS	# LATIN SMALL LETTER O WITH CARON
01D3 ; NEVER	# LATIN CAPITAL LETTER U WITH CARON
01D4 ; ALWAYS	# LATIN SMALL LETTER U WITH CARON
01D5..01DC ; NEVER	# LATIN CAPITAL LETTER U WITH DIAERESIS AND MACRO
01DD ; ALWAYS	# LATIN SMALL LETTER TURNED E
01DE..01E2 ; NEVER	# LATIN CAPITAL LETTER A WITH DIAERESIS AND MACRO
01E3 ; ALWAYS	# LATIN SMALL LETTER AE WITH MACRON
01E4 ; NEVER	# LATIN CAPITAL LETTER G WITH STROKE
01E5 ; ALWAYS	# LATIN SMALL LETTER G WITH STROKE
01E6 ; NEVER	# LATIN CAPITAL LETTER G WITH CARON
01E7 ; ALWAYS	# LATIN SMALL LETTER G WITH CARON
01E8 ; NEVER	# LATIN CAPITAL LETTER K WITH CARON
01E9 ; ALWAYS	# LATIN SMALL LETTER K WITH CARON





01EA	; NEVER	# LATIN CAPITAL LETTER O WITH OGONEK
01EB	; ALWAYS	# LATIN SMALL LETTER O WITH OGONEK
01EC..01EE	; NEVER	# LATIN CAPITAL LETTER O WITH OGONEK AND MACRON..
01EF	; ALWAYS	# LATIN SMALL LETTER EZH WITH CARON
01F0..01F4	; NEVER	# LATIN SMALL LETTER J WITH CARON..LATIN CAPITAL
01F5	; ALWAYS	# LATIN SMALL LETTER G WITH ACUTE
01F6..01F8	; NEVER	# LATIN CAPITAL LETTER HWAIR..LATIN CAPITAL LETTE
01F9	; ALWAYS	# LATIN SMALL LETTER N WITH GRAVE
01FA..01FC	; NEVER	# LATIN CAPITAL LETTER A WITH RING ABOVE AND ACUT
01FD	; ALWAYS	# LATIN SMALL LETTER AE WITH ACUTE
01FE	; NEVER	# LATIN CAPITAL LETTER O WITH STROKE AND ACUTE
01FF	; ALWAYS	# LATIN SMALL LETTER O WITH STROKE AND ACUTE
<a href="#">0200</a>	; <b>NEVER</b>	# LATIN CAPITAL LETTER A WITH DOUBLE GRAVE
<a href="#">0201</a>	; <b>ALWAYS</b>	# LATIN SMALL LETTER A WITH DOUBLE GRAVE
<a href="#">0202</a>	; <b>NEVER</b>	# LATIN CAPITAL LETTER A WITH INVERTED BREVE
<a href="#">0203</a>	; <b>ALWAYS</b>	# LATIN SMALL LETTER A WITH INVERTED BREVE
<a href="#">0204</a>	; <b>NEVER</b>	# LATIN CAPITAL LETTER E WITH DOUBLE GRAVE
<a href="#">0205</a>	; <b>ALWAYS</b>	# LATIN SMALL LETTER E WITH DOUBLE GRAVE
<a href="#">0206</a>	; <b>NEVER</b>	# LATIN CAPITAL LETTER E WITH INVERTED BREVE
<a href="#">0207</a>	; <b>ALWAYS</b>	# LATIN SMALL LETTER E WITH INVERTED BREVE
<a href="#">0208</a>	; <b>NEVER</b>	# LATIN CAPITAL LETTER I WITH DOUBLE GRAVE
<a href="#">0209</a>	; <b>ALWAYS</b>	# LATIN SMALL LETTER I WITH DOUBLE GRAVE
020A	; NEVER	# LATIN CAPITAL LETTER I WITH INVERTED BREVE
020B	; ALWAYS	# LATIN SMALL LETTER I WITH INVERTED BREVE
020C	; NEVER	# LATIN CAPITAL LETTER O WITH DOUBLE GRAVE
020D	; ALWAYS	# LATIN SMALL LETTER O WITH DOUBLE GRAVE
020E	; NEVER	# LATIN CAPITAL LETTER O WITH INVERTED BREVE
020F	; ALWAYS	# LATIN SMALL LETTER O WITH INVERTED BREVE
<a href="#">0210</a>	; <b>NEVER</b>	# LATIN CAPITAL LETTER R WITH DOUBLE GRAVE
<a href="#">0211</a>	; <b>ALWAYS</b>	# LATIN SMALL LETTER R WITH DOUBLE GRAVE
<a href="#">0212</a>	; <b>NEVER</b>	# LATIN CAPITAL LETTER R WITH INVERTED BREVE
<a href="#">0213</a>	; <b>ALWAYS</b>	# LATIN SMALL LETTER R WITH INVERTED BREVE
<a href="#">0214</a>	; <b>NEVER</b>	# LATIN CAPITAL LETTER U WITH DOUBLE GRAVE
<a href="#">0215</a>	; <b>ALWAYS</b>	# LATIN SMALL LETTER U WITH DOUBLE GRAVE
<a href="#">0216</a>	; <b>NEVER</b>	# LATIN CAPITAL LETTER U WITH INVERTED BREVE
<a href="#">0217</a>	; <b>ALWAYS</b>	# LATIN SMALL LETTER U WITH INVERTED BREVE
<a href="#">0218</a>	; <b>NEVER</b>	# LATIN CAPITAL LETTER S WITH COMMA BELOW
<a href="#">0219</a>	; <b>ALWAYS</b>	# LATIN SMALL LETTER S WITH COMMA BELOW
021A	; NEVER	# LATIN CAPITAL LETTER T WITH COMMA BELOW
021B	; ALWAYS	# LATIN SMALL LETTER T WITH COMMA BELOW
021C	; NEVER	# LATIN CAPITAL LETTER YOGH
021D	; ALWAYS	# LATIN SMALL LETTER YOGH
021E	; NEVER	# LATIN CAPITAL LETTER H WITH CARON
021F	; ALWAYS	# LATIN SMALL LETTER H WITH CARON
<a href="#">0220</a>	; <b>NEVER</b>	# LATIN CAPITAL LETTER N WITH LONG RIGHT LEG
<a href="#">0221</a>	; <b>ALWAYS</b>	# LATIN SMALL LETTER D WITH CURL
<a href="#">0222</a>	; <b>NEVER</b>	# LATIN CAPITAL LETTER OU
<a href="#">0223</a>	; <b>ALWAYS</b>	# LATIN SMALL LETTER OU



<a href="#">0224</a>	; NEVER	# LATIN CAPITAL LETTER Z WITH HOOK
<a href="#">0225</a>	; ALWAYS	# LATIN SMALL LETTER Z WITH HOOK
<a href="#">0226</a>	; NEVER	# LATIN CAPITAL LETTER A WITH DOT ABOVE
<a href="#">0227</a>	; ALWAYS	# LATIN SMALL LETTER A WITH DOT ABOVE
<a href="#">0228</a>	; NEVER	# LATIN CAPITAL LETTER E WITH CEDILLA
<a href="#">0229</a>	; ALWAYS	# LATIN SMALL LETTER E WITH CEDILLA
022A..022E	; NEVER	# LATIN CAPITAL LETTER O WITH DIAERESIS AND MACRO
022F	; ALWAYS	# LATIN SMALL LETTER O WITH DOT ABOVE
0230..0232	; NEVER	# LATIN CAPITAL LETTER O WITH DOT ABOVE AND MACRO
0233..0239	; ALWAYS	# LATIN SMALL LETTER Y WITH MACRON..LATIN SMALL L
023A..023B	; NEVER	# LATIN CAPITAL LETTER A WITH STROKE..LATIN CAPIT
023C	; ALWAYS	# LATIN SMALL LETTER C WITH STROKE
023D..023E	; NEVER	# LATIN CAPITAL LETTER L WITH BAR..LATIN CAPITAL
023F..0240	; ALWAYS	# LATIN SMALL LETTER S WITH SWASH TAIL..LATIN SMA
<a href="#">0241</a>	; NEVER	# LATIN CAPITAL LETTER GLOTTAL STOP
<a href="#">0242</a>	; ALWAYS	# LATIN SMALL LETTER GLOTTAL STOP
0243..0246	; NEVER	# LATIN CAPITAL LETTER B WITH STROKE..LATIN CAPIT
<a href="#">0247</a>	; ALWAYS	# LATIN SMALL LETTER E WITH STROKE
<a href="#">0248</a>	; NEVER	# LATIN CAPITAL LETTER J WITH STROKE
<a href="#">0249</a>	; ALWAYS	# LATIN SMALL LETTER J WITH STROKE
024A	; NEVER	# LATIN CAPITAL LETTER SMALL Q WITH HOOK TAIL
024B	; ALWAYS	# LATIN SMALL LETTER Q WITH HOOK TAIL
024C	; NEVER	# LATIN CAPITAL LETTER R WITH STROKE
024D	; ALWAYS	# LATIN SMALL LETTER R WITH STROKE
024E	; NEVER	# LATIN CAPITAL LETTER Y WITH STROKE
024F..02AF	; ALWAYS	# LATIN SMALL LETTER Y WITH STROKE..LATIN SMALL L
02B0..02B8	; NEVER	# MODIFIER LETTER SMALL H..MODIFIER LETTER SMALL
02B9..02C1	; MAYBE YES	# MODIFIER LETTER PRIME..MODIFIER LETTER REVERSED
02C2..02C5	; NEVER	# MODIFIER LETTER LEFT ARROWHEAD..MODIFIER LETTER
02C6..02D1	; MAYBE YES	# MODIFIER LETTER CIRCUMFLEX ACCENT..MODIFIER LET
02D2..02ED	; NEVER	# MODIFIER LETTER CENTRED RIGHT HALF RING..MODIFI
02EE	; MAYBE YES	# MODIFIER LETTER DOUBLE APOSTROPHE
02EF..02FF	; NEVER	# MODIFIER LETTER LOW DOWN ARROWHEAD..MODIFIER LE
0300..033F	; MAYBE YES	# COMBINING GRAVE ACCENT..COMBINING DOUBLE OVERLI
0340..0341	; NEVER	# COMBINING GRAVE TONE MARK..COMBINING ACUTE TONE
<a href="#">0342</a>	; MAYBE YES	# <b>COMBINING GREEK PERISPOMENI</b>
0343..0344	; NEVER	# COMBINING GREEK KORONIS..COMBINING GREEK DIALYT
0345..034E	; MAYBE YES	# COMBINING GREEK YPOGEGRAMMENI..COMBINING UPWARD
034F	; NEVER	# COMBINING GRAPHEME JOINER
0350..036F	; MAYBE YES	# COMBINING RIGHT ARROWHEAD ABOVE..COMBINING LATI
0370..0373	; UNASSIGNED#	<reserved>..<reserved>
0374..0375	; NEVER	# GREEK NUMERAL SIGN..GREEK LOWER NUMERAL SIGN
0376..0379	; UNASSIGNED#	<reserved>..<reserved>
037A..037D	; ALWAYS	# GREEK YPOGEGRAMMENI..GREEK SMALL REVERSED DOTTE
037E	; NEVER	# GREEK QUESTION MARK
037F..0383	; UNASSIGNED#	<reserved>..<reserved>
0384..038A	; NEVER	# GREEK TONOS..GREEK CAPITAL LETTER IOTA WITH TON
038B	; UNASSIGNED#	<reserved>



038C ; NEVER # GREEK CAPITAL LETTER OMICRON WITH TONOS  
038D ; UNASSIGNED# <reserved>  
038E..03A1 ; NEVER # GREEK CAPITAL LETTER UPSILON WITH TONOS..GREEK  
03A2 ; UNASSIGNED# <reserved>  
03A3..03AB ; NEVER # GREEK CAPITAL LETTER SIGMA..GREEK CAPITAL LETTE  
03AC..03AF ; ALWAYS # GREEK SMALL LETTER ALPHA WITH TONOS..GREEK SMAL  
03B0 ; NEVER # GREEK SMALL LETTER UPSILON WITH DIALYTIKA AND T  
03B1..03CE ; ALWAYS # GREEK SMALL LETTER ALPHA..GREEK SMALL LETTER OM  
03CF ; UNASSIGNED# <reserved>  
03D0..03D6 ; NEVER # GREEK BETA SYMBOL..GREEK PI SYMBOL  
03D7 ; ALWAYS # GREEK KAI SYMBOL  
03D8 ; NEVER # GREEK LETTER ARCHAIC KOPPA  
03D9 ; ALWAYS # GREEK SMALL LETTER ARCHAIC KOPPA  
03DA ; NEVER # GREEK LETTER STIGMA  
03DB ; ALWAYS # GREEK SMALL LETTER STIGMA  
03DC ; NEVER # GREEK LETTER DIGAMMA  
03DD ; ALWAYS # GREEK SMALL LETTER DIGAMMA  
03DE ; NEVER # GREEK LETTER KOPPA  
03DF ; ALWAYS # GREEK SMALL LETTER KOPPA  
03E0 ; NEVER # GREEK LETTER SAMPI  
03E1 ; ALWAYS # GREEK SMALL LETTER SAMPI  
03E2 ; NEVER # COPTIC CAPITAL LETTER SHEI  
03E3 ; MAYBE YES # COPTIC SMALL LETTER SHEI  
03E4 ; NEVER # COPTIC CAPITAL LETTER FEI  
03E5 ; MAYBE YES # COPTIC SMALL LETTER FEI  
03E6 ; NEVER # COPTIC CAPITAL LETTER KHEI  
03E7 ; MAYBE YES # COPTIC SMALL LETTER KHEI  
03E8 ; NEVER # COPTIC CAPITAL LETTER HORI  
03E9 ; MAYBE YES # COPTIC SMALL LETTER HORI  
03EA ; NEVER # COPTIC CAPITAL LETTER GANGIA  
03EB ; MAYBE YES # COPTIC SMALL LETTER GANGIA  
03EC ; NEVER # COPTIC CAPITAL LETTER SHIMA  
03ED ; MAYBE YES # COPTIC SMALL LETTER SHIMA  
03EE ; NEVER # COPTIC CAPITAL LETTER DEI  
03EF ; MAYBE YES # COPTIC SMALL LETTER DEI  
03F0..03F2 ; NEVER # GREEK KAPPA SYMBOL..GREEK LUNATE SIGMA SYMBOL  
03F3 ; ALWAYS # GREEK LETTER YOT  
03F4..03F7 ; NEVER # GREEK CAPITAL THETA SYMBOL..GREEK CAPITAL LETTE  
03F8 ; ALWAYS # GREEK SMALL LETTER SHO  
03F9..03FA ; NEVER # GREEK CAPITAL LUNATE SIGMA SYMBOL..GREEK CAPITA  
03FB..03FC ; ALWAYS # GREEK SMALL LETTER SAN..GREEK RHO WITH STROKE S  
03FD..042F ; NEVER # GREEK CAPITAL REVERSED LUNATE SIGMA SYMBOL..CYR  
0430..045F ; ALWAYS # CYRILLIC SMALL LETTER A..CYRILLIC SMALL LETTER  
[0460](#) ; NEVER # CYRILLIC CAPITAL LETTER OMEGA  
[0461](#) ; ALWAYS # CYRILLIC SMALL LETTER OMEGA  
[0462](#) ; NEVER # CYRILLIC CAPITAL LETTER YAT  
[0463](#) ; ALWAYS # CYRILLIC SMALL LETTER YAT  
[0464](#) ; NEVER # CYRILLIC CAPITAL LETTER IOTIFIED E



<a href="#">0465</a>	; ALWAYS	# CYRILLIC SMALL LETTER IOTIFIED E
<a href="#">0466</a>	; NEVER	# CYRILLIC CAPITAL LETTER LITTLE YUS
<a href="#">0467</a>	; ALWAYS	# CYRILLIC SMALL LETTER LITTLE YUS
<a href="#">0468</a>	; NEVER	# CYRILLIC CAPITAL LETTER IOTIFIED LITTLE YUS
<a href="#">0469</a>	; ALWAYS	# CYRILLIC SMALL LETTER IOTIFIED LITTLE YUS
046A	; NEVER	# CYRILLIC CAPITAL LETTER BIG YUS
046B	; ALWAYS	# CYRILLIC SMALL LETTER BIG YUS
046C	; NEVER	# CYRILLIC CAPITAL LETTER IOTIFIED BIG YUS
046D	; ALWAYS	# CYRILLIC SMALL LETTER IOTIFIED BIG YUS
046E	; NEVER	# CYRILLIC CAPITAL LETTER KSI
046F	; ALWAYS	# CYRILLIC SMALL LETTER KSI
<a href="#">0470</a>	; NEVER	# CYRILLIC CAPITAL LETTER PSI
<a href="#">0471</a>	; ALWAYS	# CYRILLIC SMALL LETTER PSI
<a href="#">0472</a>	; NEVER	# CYRILLIC CAPITAL LETTER FITA
<a href="#">0473</a>	; ALWAYS	# CYRILLIC SMALL LETTER FITA
<a href="#">0474</a>	; NEVER	# CYRILLIC CAPITAL LETTER IZHITSA
<a href="#">0475</a>	; ALWAYS	# CYRILLIC SMALL LETTER IZHITSA
<a href="#">0476</a>	; NEVER	# CYRILLIC CAPITAL LETTER IZHITSA WITH DOUBLE GRA
<a href="#">0477</a>	; ALWAYS	# CYRILLIC SMALL LETTER IZHITSA WITH DOUBLE GRAVE
<a href="#">0478</a>	; NEVER	# CYRILLIC CAPITAL LETTER UK
<a href="#">0479</a>	; ALWAYS	# CYRILLIC SMALL LETTER UK
047A	; NEVER	# CYRILLIC CAPITAL LETTER ROUND OMEGA
047B	; ALWAYS	# CYRILLIC SMALL LETTER ROUND OMEGA
047C	; NEVER	# CYRILLIC CAPITAL LETTER OMEGA WITH TITLO
047D	; ALWAYS	# CYRILLIC SMALL LETTER OMEGA WITH TITLO
047E	; NEVER	# CYRILLIC CAPITAL LETTER OT
047F	; ALWAYS	# CYRILLIC SMALL LETTER OT
<a href="#">0480</a>	; NEVER	# CYRILLIC CAPITAL LETTER KOPPA
<a href="#">0481</a>	; ALWAYS	# CYRILLIC SMALL LETTER KOPPA
<a href="#">0482</a>	; NEVER	# CYRILLIC THOUSANDS SIGN
0483..0486	; ALWAYS	# COMBINING CYRILLIC TITLO..COMBINING CYRILLIC PS
<a href="#">0487</a>	; UNASSIGNED	# <reserved>
0488..048A	; NEVER	# COMBINING CYRILLIC HUNDRED THOUSANDS SIGN..CYRI
048B	; ALWAYS	# CYRILLIC SMALL LETTER SHORT I WITH TAIL
048C	; NEVER	# CYRILLIC CAPITAL LETTER SEMISOFT SIGN
048D	; ALWAYS	# CYRILLIC SMALL LETTER SEMISOFT SIGN
048E	; NEVER	# CYRILLIC CAPITAL LETTER ER WITH TICK
048F	; ALWAYS	# CYRILLIC SMALL LETTER ER WITH TICK
<a href="#">0490</a>	; NEVER	# CYRILLIC CAPITAL LETTER GHE WITH UPTURN
<a href="#">0491</a>	; ALWAYS	# CYRILLIC SMALL LETTER GHE WITH UPTURN
<a href="#">0492</a>	; NEVER	# CYRILLIC CAPITAL LETTER GHE WITH STROKE
<a href="#">0493</a>	; ALWAYS	# CYRILLIC SMALL LETTER GHE WITH STROKE
<a href="#">0494</a>	; NEVER	# CYRILLIC CAPITAL LETTER GHE WITH MIDDLE HOOK
<a href="#">0495</a>	; ALWAYS	# CYRILLIC SMALL LETTER GHE WITH MIDDLE HOOK
<a href="#">0496</a>	; NEVER	# CYRILLIC CAPITAL LETTER ZHE WITH DESCENDER
<a href="#">0497</a>	; ALWAYS	# CYRILLIC SMALL LETTER ZHE WITH DESCENDER
<a href="#">0498</a>	; NEVER	# CYRILLIC CAPITAL LETTER ZE WITH DESCENDER
<a href="#">0499</a>	; ALWAYS	# CYRILLIC SMALL LETTER ZE WITH DESCENDER





049A	; NEVER	# CYRILLIC CAPITAL LETTER KA WITH DESCENDER
049B	; ALWAYS	# CYRILLIC SMALL LETTER KA WITH DESCENDER
049C	; NEVER	# CYRILLIC CAPITAL LETTER KA WITH VERTICAL STROKE
049D	; ALWAYS	# CYRILLIC SMALL LETTER KA WITH VERTICAL STROKE
049E	; NEVER	# CYRILLIC CAPITAL LETTER KA WITH STROKE
049F	; ALWAYS	# CYRILLIC SMALL LETTER KA WITH STROKE
04A0	; NEVER	# CYRILLIC CAPITAL LETTER BASHKIR KA
04A1	; ALWAYS	# CYRILLIC SMALL LETTER BASHKIR KA
04A2	; NEVER	# CYRILLIC CAPITAL LETTER EN WITH DESCENDER
04A3	; ALWAYS	# CYRILLIC SMALL LETTER EN WITH DESCENDER
04A4	; NEVER	# CYRILLIC CAPITAL LIGATURE EN GHE
04A5	; ALWAYS	# CYRILLIC SMALL LIGATURE EN GHE
04A6	; NEVER	# CYRILLIC CAPITAL LETTER PE WITH MIDDLE HOOK
04A7	; ALWAYS	# CYRILLIC SMALL LETTER PE WITH MIDDLE HOOK
04A8	; NEVER	# CYRILLIC CAPITAL LETTER ABKHASIAN HA
04A9	; ALWAYS	# CYRILLIC SMALL LETTER ABKHASIAN HA
04AA	; NEVER	# CYRILLIC CAPITAL LETTER ES WITH DESCENDER
04AB	; ALWAYS	# CYRILLIC SMALL LETTER ES WITH DESCENDER
04AC	; NEVER	# CYRILLIC CAPITAL LETTER TE WITH DESCENDER
04AD	; ALWAYS	# CYRILLIC SMALL LETTER TE WITH DESCENDER
04AE	; NEVER	# CYRILLIC CAPITAL LETTER STRAIGHT U
04AF	; ALWAYS	# CYRILLIC SMALL LETTER STRAIGHT U
04B0	; NEVER	# CYRILLIC CAPITAL LETTER STRAIGHT U WITH STROKE
04B1	; ALWAYS	# CYRILLIC SMALL LETTER STRAIGHT U WITH STROKE
04B2	; NEVER	# CYRILLIC CAPITAL LETTER HA WITH DESCENDER
04B3	; ALWAYS	# CYRILLIC SMALL LETTER HA WITH DESCENDER
04B4	; NEVER	# CYRILLIC CAPITAL LIGATURE TE TSE
04B5	; ALWAYS	# CYRILLIC SMALL LIGATURE TE TSE
04B6	; NEVER	# CYRILLIC CAPITAL LETTER CHE WITH DESCENDER
04B7	; ALWAYS	# CYRILLIC SMALL LETTER CHE WITH DESCENDER
04B8	; NEVER	# CYRILLIC CAPITAL LETTER CHE WITH VERTICAL STROK
04B9	; ALWAYS	# CYRILLIC SMALL LETTER CHE WITH VERTICAL STROKE
04BA	; NEVER	# CYRILLIC CAPITAL LETTER SHHA
04BB	; ALWAYS	# CYRILLIC SMALL LETTER SHHA
04BC	; NEVER	# CYRILLIC CAPITAL LETTER ABKHASIAN CHE
04BD	; ALWAYS	# CYRILLIC SMALL LETTER ABKHASIAN CHE
04BE	; NEVER	# CYRILLIC CAPITAL LETTER ABKHASIAN CHE WITH DESC
04BF	; ALWAYS	# CYRILLIC SMALL LETTER ABKHASIAN CHE WITH DESCEN
04C0..04C1	; NEVER	# CYRILLIC LETTER PALOCHKA..CYRILLIC CAPITAL LETT
04C2	; ALWAYS	# CYRILLIC SMALL LETTER ZHE WITH BREVE
04C3	; NEVER	# CYRILLIC CAPITAL LETTER KA WITH HOOK
04C4	; ALWAYS	# CYRILLIC SMALL LETTER KA WITH HOOK
04C5	; NEVER	# CYRILLIC CAPITAL LETTER EL WITH TAIL
04C6	; ALWAYS	# CYRILLIC SMALL LETTER EL WITH TAIL
04C7	; NEVER	# CYRILLIC CAPITAL LETTER EN WITH HOOK
04C8	; ALWAYS	# CYRILLIC SMALL LETTER EN WITH HOOK
04C9	; NEVER	# CYRILLIC CAPITAL LETTER EN WITH TAIL
04CA	; ALWAYS	# CYRILLIC SMALL LETTER EN WITH TAIL



04CB	; NEVER	# CYRILLIC CAPITAL LETTER KHAKASSIAN CHE
04CC	; ALWAYS	# CYRILLIC SMALL LETTER KHAKASSIAN CHE
04CD	; NEVER	# CYRILLIC CAPITAL LETTER EM WITH TAIL
04CE..04CF	; ALWAYS	# CYRILLIC SMALL LETTER EM WITH TAIL..CYRILLIC SM
04D0	; NEVER	# CYRILLIC CAPITAL LETTER A WITH BREVE
04D1	; ALWAYS	# CYRILLIC SMALL LETTER A WITH BREVE
04D2	; NEVER	# CYRILLIC CAPITAL LETTER A WITH DIAERESIS
04D3	; ALWAYS	# CYRILLIC SMALL LETTER A WITH DIAERESIS
04D4	; NEVER	# CYRILLIC CAPITAL LIGATURE A IE
04D5	; ALWAYS	# CYRILLIC SMALL LIGATURE A IE
04D6	; NEVER	# CYRILLIC CAPITAL LETTER IE WITH BREVE
04D7	; ALWAYS	# CYRILLIC SMALL LETTER IE WITH BREVE
04D8	; NEVER	# CYRILLIC CAPITAL LETTER SCHWA
04D9	; ALWAYS	# CYRILLIC SMALL LETTER SCHWA
04DA	; NEVER	# CYRILLIC CAPITAL LETTER SCHWA WITH DIAERESIS
04DB	; ALWAYS	# CYRILLIC SMALL LETTER SCHWA WITH DIAERESIS
04DC	; NEVER	# CYRILLIC CAPITAL LETTER ZHE WITH DIAERESIS
04DD	; ALWAYS	# CYRILLIC SMALL LETTER ZHE WITH DIAERESIS
04DE	; NEVER	# CYRILLIC CAPITAL LETTER ZE WITH DIAERESIS
04DF	; ALWAYS	# CYRILLIC SMALL LETTER ZE WITH DIAERESIS
04E0	; NEVER	# CYRILLIC CAPITAL LETTER ABKHASIAN DZE
04E1	; ALWAYS	# CYRILLIC SMALL LETTER ABKHASIAN DZE
04E2	; NEVER	# CYRILLIC CAPITAL LETTER I WITH MACRON
04E3	; ALWAYS	# CYRILLIC SMALL LETTER I WITH MACRON
04E4	; NEVER	# CYRILLIC CAPITAL LETTER I WITH DIAERESIS
04E5	; ALWAYS	# CYRILLIC SMALL LETTER I WITH DIAERESIS
04E6	; NEVER	# CYRILLIC CAPITAL LETTER O WITH DIAERESIS
04E7	; ALWAYS	# CYRILLIC SMALL LETTER O WITH DIAERESIS
04E8	; NEVER	# CYRILLIC CAPITAL LETTER BARRED O
04E9	; ALWAYS	# CYRILLIC SMALL LETTER BARRED O
04EA	; NEVER	# CYRILLIC CAPITAL LETTER BARRED O WITH DIAERESIS
04EB	; ALWAYS	# CYRILLIC SMALL LETTER BARRED O WITH DIAERESIS
04EC	; NEVER	# CYRILLIC CAPITAL LETTER E WITH DIAERESIS
04ED	; ALWAYS	# CYRILLIC SMALL LETTER E WITH DIAERESIS
04EE	; NEVER	# CYRILLIC CAPITAL LETTER U WITH MACRON
04EF	; ALWAYS	# CYRILLIC SMALL LETTER U WITH MACRON
04F0	; NEVER	# CYRILLIC CAPITAL LETTER U WITH DIAERESIS
04F1	; ALWAYS	# CYRILLIC SMALL LETTER U WITH DIAERESIS
04F2	; NEVER	# CYRILLIC CAPITAL LETTER U WITH DOUBLE ACUTE
04F3	; ALWAYS	# CYRILLIC SMALL LETTER U WITH DOUBLE ACUTE
04F4	; NEVER	# CYRILLIC CAPITAL LETTER CHE WITH DIAERESIS
04F5	; ALWAYS	# CYRILLIC SMALL LETTER CHE WITH DIAERESIS
04F6	; NEVER	# CYRILLIC CAPITAL LETTER GHE WITH DESCENDER
04F7	; ALWAYS	# CYRILLIC SMALL LETTER GHE WITH DESCENDER
04F8	; NEVER	# CYRILLIC CAPITAL LETTER YERU WITH DIAERESIS
04F9	; ALWAYS	# CYRILLIC SMALL LETTER YERU WITH DIAERESIS
04FA	; NEVER	# CYRILLIC CAPITAL LETTER GHE WITH STROKE AND H00
04FB	; ALWAYS	# CYRILLIC SMALL LETTER GHE WITH STROKE AND HOOK



04FC	; NEVER	# CYRILLIC CAPITAL LETTER HA WITH HOOK
04FD	; ALWAYS	# CYRILLIC SMALL LETTER HA WITH HOOK
04FE	; NEVER	# CYRILLIC CAPITAL LETTER HA WITH STROKE
04FF	; ALWAYS	# CYRILLIC SMALL LETTER HA WITH STROKE
<a href="#">0500</a>	; <b>NEVER</b>	# CYRILLIC CAPITAL LETTER KOMI DE
<a href="#">0501</a>	; <b>ALWAYS</b>	# CYRILLIC SMALL LETTER KOMI DE
<a href="#">0502</a>	; <b>NEVER</b>	# CYRILLIC CAPITAL LETTER KOMI DJE
<a href="#">0503</a>	; <b>ALWAYS</b>	# CYRILLIC SMALL LETTER KOMI DJE
<a href="#">0504</a>	; <b>NEVER</b>	# CYRILLIC CAPITAL LETTER KOMI ZJE
<a href="#">0505</a>	; <b>ALWAYS</b>	# CYRILLIC SMALL LETTER KOMI ZJE
<a href="#">0506</a>	; <b>NEVER</b>	# CYRILLIC CAPITAL LETTER KOMI DZJE
<a href="#">0507</a>	; <b>ALWAYS</b>	# CYRILLIC SMALL LETTER KOMI DZJE
<a href="#">0508</a>	; <b>NEVER</b>	# CYRILLIC CAPITAL LETTER KOMI LJE
<a href="#">0509</a>	; <b>ALWAYS</b>	# CYRILLIC SMALL LETTER KOMI LJE
050A	; NEVER	# CYRILLIC CAPITAL LETTER KOMI NJE
050B	; ALWAYS	# CYRILLIC SMALL LETTER KOMI NJE
050C	; NEVER	# CYRILLIC CAPITAL LETTER KOMI SJE
050D	; ALWAYS	# CYRILLIC SMALL LETTER KOMI SJE
050E	; NEVER	# CYRILLIC CAPITAL LETTER KOMI TJE
050F	; ALWAYS	# CYRILLIC SMALL LETTER KOMI TJE
<a href="#">0510</a>	; <b>NEVER</b>	# CYRILLIC CAPITAL LETTER REVERSED ZE
<a href="#">0511</a>	; <b>ALWAYS</b>	# CYRILLIC SMALL LETTER REVERSED ZE
<a href="#">0512</a>	; <b>NEVER</b>	# CYRILLIC CAPITAL LETTER EL WITH HOOK
<a href="#">0513</a>	; <b>ALWAYS</b>	# CYRILLIC SMALL LETTER EL WITH HOOK
0514..0530	; UNASSIGNED#	<reserved>..<<reserved>
0531..0556	; NEVER	# ARMENIAN CAPITAL LETTER AYB..ARMENIAN CAPITAL L
0557..0558	; UNASSIGNED#	<reserved>..<<reserved>
<a href="#">0559</a>	; <b>MAYBE YES</b>	# <b>ARMENIAN MODIFIER LETTER LEFT HALF RING</b>
055A..055F	; NEVER	# ARMENIAN APOSTROPHE..ARMENIAN ABBREVIATION MARK
<a href="#">0560</a>	; <b>UNASSIGNED#</b>	<b>&lt;reserved&gt;</b>
0561..0586	; <b>MAYBE YES</b>	# ARMENIAN SMALL LETTER AYB..ARMENIAN SMALL LETTE
<a href="#">0587</a>	; <b>NEVER</b>	# ARMENIAN SMALL LIGATURE ECH YIWN
<a href="#">0588</a>	; <b>UNASSIGNED#</b>	<b>&lt;reserved&gt;</b>
0589..058A	; NEVER	# ARMENIAN FULL STOP..ARMENIAN HYPHEN
058B..0590	; UNASSIGNED#	<reserved>..<<reserved>
0591..05BD	; <b>MAYBE YES</b>	# HEBREW ACCENT ETNAHTA..HEBREW POINT METEG
05BE	; NEVER	# HEBREW PUNCTUATION MAQAF
05BF	; <b>MAYBE YES</b>	# HEBREW POINT RAPE
05C0	; NEVER	# HEBREW PUNCTUATION PASEQ
05C1..05C2	; <b>MAYBE YES</b>	# HEBREW POINT SHIN DOT..HEBREW POINT SIN DOT
05C3	; NEVER	# HEBREW PUNCTUATION SOF PASUQ
05C4..05C5	; <b>MAYBE YES</b>	# HEBREW MARK UPPER DOT..HEBREW MARK LOWER DOT
05C6	; NEVER	# HEBREW PUNCTUATION NUN HAFUKHA
05C7	; <b>MAYBE YES</b>	# HEBREW POINT QAMATS QATAN
05C8..05CF	; UNASSIGNED#	<reserved>..<<reserved>
05D0..05EA	; <b>MAYBE YES</b>	# HEBREW LETTER ALEF..HEBREW LETTER TAV
05EB..05EF	; UNASSIGNED#	<reserved>..<<reserved>
05F0..05F4	; <b>MAYBE YES</b>	# HEBREW LIGATURE YIDDISH DOUBLE VAV..HEBREW PUNC



05F5..05FF ; UNASSIGNED# <reserved>..<reserved>  
0600..0603 ; CONTEXT # ARABIC NUMBER SIGN..ARABIC SIGN SAFHA  
0604..060A ; UNASSIGNED# <reserved>..<reserved>  
060B..060F ; NEVER # AFGHANI SIGN..ARABIC SIGN MISRA  
0610..0615 ; MAYBE YES # ARABIC SIGN SALLALLAHOU ALAYHE WASSALLAM..ARABI  
0616..061A ; UNASSIGNED# <reserved>..<reserved>  
061B ; NEVER # ARABIC SEMICOLON  
061C..061D ; UNASSIGNED# <reserved>..<reserved>  
061E..061F ; NEVER # ARABIC TRIPLE DOT PUNCTUATION MARK..ARABIC QUES  
[0620](#) ; UNASSIGNED# <reserved>  
0621..063A ; MAYBE YES # ARABIC LETTER HAMZA..ARABIC LETTER GHAIN  
063B..063F ; UNASSIGNED# <reserved>..<reserved>  
0640..065E ; MAYBE YES # ARABIC TATWEEL..ARABIC FATHA WITH TWO DOTS  
065F ; UNASSIGNED# <reserved>  
0660..0669 ; MAYBE YES # ARABIC-INDIC DIGIT ZERO..ARABIC-INDIC DIGIT NIN  
066A..066D ; NEVER # ARABIC PERCENT SIGN..ARABIC FIVE POINTED STAR  
066E..0674 ; MAYBE YES # ARABIC LETTER DOTLESS BEH..ARABIC LETTER HIGH H  
0675..0678 ; NEVER # ARABIC LETTER HIGH HAMZA ALEF..ARABIC LETTER HI  
0679..06D3 ; MAYBE YES # ARABIC LETTER TTEH..ARABIC LETTER YEH BARREE WI  
06D4 ; NEVER # ARABIC FULL STOP  
06D5..06DC ; MAYBE YES # ARABIC LETTER AE..ARABIC SMALL HIGH SEEN  
06DD ; CONTEXT # ARABIC END OF AYAH  
06DE ; NEVER # ARABIC START OF RUB EL HIZB  
06DF..06E8 ; MAYBE YES # ARABIC SMALL HIGH ROUNDED ZERO..ARABIC SMALL HI  
06E9 ; NEVER # ARABIC PLACE OF SAJDAH  
06EA..06FC ; MAYBE YES # ARABIC EMPTY CENTRE LOW STOP..ARABIC LETTER GHA  
06FD..06FE ; NEVER # ARABIC SIGN SINDHI AMPERSAND..ARABIC SIGN SINDH  
06FF ; MAYBE YES # ARABIC LETTER HEH WITH INVERTED V  
0700..070D ; NEVER # SYRIAC END OF PARAGRAPH..SYRIAC HARKLEAN ASTERI  
070E ; UNASSIGNED# <reserved>  
070F ; CONTEXT # SYRIAC ABBREVIATION MARK  
0710..074A ; MAYBE YES # SYRIAC LETTER ALAPH..SYRIAC BARREKH  
074B..074C ; UNASSIGNED# <reserved>..<reserved>  
074D..076D ; MAYBE YES # SYRIAC LETTER SOGDIAN ZHAIN..ARABIC LETTER SEEN  
076E..077F ; UNASSIGNED# <reserved>..<reserved>  
0780..07B1 ; MAYBE YES # THAANA LETTER HAA..THAANA LETTER NAA  
07B2..07BF ; UNASSIGNED# <reserved>..<reserved>  
07C0..07F5 ; MAYBE YES # NKO DIGIT ZERO..NKO LOW TONE APOSTROPHE  
07F6..07F9 ; NEVER # NKO SYMBOL OO DENNEN..NKO EXCLAMATION MARK  
07FA ; MAYBE YES # NKO LAJANYALAN  
07FB..0900 ; UNASSIGNED# <reserved>..<reserved>  
0901..0939 ; MAYBE YES # DEVANAGARI SIGN CANDRABINDU..DEVANAGARI LETTER  
093A..093B ; UNASSIGNED# <reserved>..<reserved>  
093C..094D ; MAYBE YES # DEVANAGARI SIGN NUKTA..DEVANAGARI SIGN VIRAMA  
094E..094F ; UNASSIGNED# <reserved>..<reserved>  
0950..0954 ; MAYBE YES # DEVANAGARI OM..DEVANAGARI ACUTE ACCENT  
0955..0957 ; UNASSIGNED# <reserved>..<reserved>  
0958..095F ; NEVER # DEVANAGARI LETTER QA..DEVANAGARI LETTER YYA





0960..0963 ; MAYBE YES # DEVANAGARI LETTER VOCALIC RR..DEVANAGARI VOWEL  
0964..0965 ; NEVER # DEVANAGARI DANDA..DEVANAGARI DOUBLE DANDA  
0966..096F ; MAYBE YES # DEVANAGARI DIGIT ZERO..DEVANAGARI DIGIT NINE  
[0970](#) ; **NEVER** # DEVANAGARI ABBREVIATION SIGN  
0971..097A ; UNASSIGNED# <reserved>..  
097B..097F ; MAYBE YES # DEVANAGARI LETTER GGA..DEVANAGARI LETTER BBA  
[0980](#) ; **UNASSIGNED#** <reserved>  
0981..0983 ; MAYBE YES # BENGALI SIGN CANDRABINDU..BENGALI SIGN VISARGA  
[0984](#) ; **UNASSIGNED#** <reserved>  
0985..098C ; MAYBE YES # BENGALI LETTER A..BENGALI LETTER VOCALIC L  
098D..098E ; UNASSIGNED# <reserved>..  
098F..0990 ; MAYBE YES # BENGALI LETTER E..BENGALI LETTER AI  
0991..0992 ; UNASSIGNED# <reserved>..  
0993..09A8 ; MAYBE YES # BENGALI LETTER O..BENGALI LETTER NA  
09A9 ; UNASSIGNED# <reserved>  
09AA..09B0 ; MAYBE YES # BENGALI LETTER PA..BENGALI LETTER RA  
09B1 ; UNASSIGNED# <reserved>  
09B2 ; MAYBE YES # BENGALI LETTER LA  
09B3..09B5 ; UNASSIGNED# <reserved>..  
09B6..09B9 ; MAYBE YES # BENGALI LETTER SHA..BENGALI LETTER HA  
09BA..09BB ; UNASSIGNED# <reserved>..  
09BC..09C4 ; MAYBE YES # BENGALI SIGN NUKTA..BENGALI VOWEL SIGN VOCALIC  
09C5..09C6 ; UNASSIGNED# <reserved>..  
09C7..09C8 ; MAYBE YES # BENGALI VOWEL SIGN E..BENGALI VOWEL SIGN AI  
09C9..09CA ; UNASSIGNED# <reserved>..  
09CB..09CC ; NEVER # BENGALI VOWEL SIGN O..BENGALI VOWEL SIGN AU  
09CD..09CE ; MAYBE YES # BENGALI SIGN VIRAMA..BENGALI LETTER KHANDA TA  
09CF..09D6 ; UNASSIGNED# <reserved>..  
09D7 ; MAYBE YES # BENGALI AU LENGTH MARK  
09D8..09DB ; UNASSIGNED# <reserved>..  
09DC..09DD ; NEVER # BENGALI LETTER RRA..BENGALI LETTER RHA  
09DE ; UNASSIGNED# <reserved>  
09DF ; NEVER # BENGALI LETTER YYA  
09E0..09E3 ; MAYBE YES # BENGALI LETTER VOCALIC RR..BENGALI VOWEL SIGN V  
09E4..09E5 ; UNASSIGNED# <reserved>..  
09E6..09F1 ; MAYBE YES # BENGALI DIGIT ZERO..BENGALI LETTER RA WITH LOWE  
09F2..09FA ; NEVER # BENGALI RUPEE MARK..BENGALI ISSHAR  
09FB..0A00 ; UNASSIGNED# <reserved>..  
0A01..0A03 ; MAYBE YES # GURMUKHI SIGN ADAK BINDI..GURMUKHI SIGN VISARGA  
0A04 ; UNASSIGNED# <reserved>  
0A05..0A0A ; MAYBE YES # GURMUKHI LETTER A..GURMUKHI LETTER UU  
0A0B..0A0E ; UNASSIGNED# <reserved>..  
0A0F..0A10 ; MAYBE YES # GURMUKHI LETTER EE..GURMUKHI LETTER AI  
0A11..0A12 ; UNASSIGNED# <reserved>..  
0A13..0A28 ; MAYBE YES # GURMUKHI LETTER OO..GURMUKHI LETTER NA  
0A29 ; UNASSIGNED# <reserved>  
0A2A..0A30 ; MAYBE YES # GURMUKHI LETTER PA..GURMUKHI LETTER RA  
0A31 ; UNASSIGNED# <reserved>



0A32 ; MAYBE YES # GURMUKHI LETTER LA  
0A33 ; NEVER # GURMUKHI LETTER LLA  
0A34 ; UNASSIGNED# <reserved>  
0A35 ; MAYBE YES # GURMUKHI LETTER VA  
0A36 ; NEVER # GURMUKHI LETTER SHA  
0A37 ; UNASSIGNED# <reserved>  
0A38..0A39 ; MAYBE YES # GURMUKHI LETTER SA..GURMUKHI LETTER HA  
0A3A..0A3B ; UNASSIGNED# <reserved>..  
0A3C ; MAYBE YES # GURMUKHI SIGN NUKTA  
0A3D ; UNASSIGNED# <reserved>  
0A3E..0A42 ; MAYBE YES # GURMUKHI VOWEL SIGN AA..GURMUKHI VOWEL SIGN UU  
0A43..0A46 ; UNASSIGNED# <reserved>..  
0A47..0A48 ; MAYBE YES # GURMUKHI VOWEL SIGN EE..GURMUKHI VOWEL SIGN AI  
0A49..0A4A ; UNASSIGNED# <reserved>..  
0A4B..0A4D ; MAYBE YES # GURMUKHI VOWEL SIGN OO..GURMUKHI SIGN VIRAMA  
0A4E..0A58 ; UNASSIGNED# <reserved>..  
0A59..0A5B ; NEVER # GURMUKHI LETTER KHHA..GURMUKHI LETTER ZA  
0A5C ; MAYBE YES # GURMUKHI LETTER RRA  
0A5D ; UNASSIGNED# <reserved>  
0A5E ; NEVER # GURMUKHI LETTER FA  
0A5F..0A65 ; UNASSIGNED# <reserved>..  
0A66..0A74 ; MAYBE YES # GURMUKHI DIGIT ZERO..GURMUKHI EK ONKAR  
0A75..0A80 ; UNASSIGNED# <reserved>..  
0A81..0A83 ; MAYBE YES # GUJARATI SIGN CANDRABINDU..GUJARATI SIGN VISARG  
0A84 ; UNASSIGNED# <reserved>  
0A85..0A8D ; MAYBE YES # GUJARATI LETTER A..GUJARATI VOWEL CANDRA E  
0A8E ; UNASSIGNED# <reserved>  
0A8F..0A91 ; MAYBE YES # GUJARATI LETTER E..GUJARATI VOWEL CANDRA O  
0A92 ; UNASSIGNED# <reserved>  
0A93..0AA8 ; MAYBE YES # GUJARATI LETTER O..GUJARATI LETTER NA  
0AA9 ; UNASSIGNED# <reserved>  
0AAA..0AB0 ; MAYBE YES # GUJARATI LETTER PA..GUJARATI LETTER RA  
0AB1 ; UNASSIGNED# <reserved>  
0AB2..0AB3 ; MAYBE YES # GUJARATI LETTER LA..GUJARATI LETTER LLA  
0AB4 ; UNASSIGNED# <reserved>  
0AB5..0AB9 ; MAYBE YES # GUJARATI LETTER VA..GUJARATI LETTER HA  
0ABA..0ABB ; UNASSIGNED# <reserved>..  
0ABC..0AC5 ; MAYBE YES # GUJARATI SIGN NUKTA..GUJARATI VOWEL SIGN CANDRA  
0AC6 ; UNASSIGNED# <reserved>  
0AC7..0AC9 ; MAYBE YES # GUJARATI VOWEL SIGN E..GUJARATI VOWEL SIGN CAND  
0ACA ; UNASSIGNED# <reserved>  
0ACB..0ACD ; MAYBE YES # GUJARATI VOWEL SIGN O..GUJARATI SIGN VIRAMA  
0ACE..0ACF ; UNASSIGNED# <reserved>..  
0AD0 ; MAYBE YES # GUJARATI OM  
0AD1..0ADF ; UNASSIGNED# <reserved>..  
0AE0..0AE3 ; MAYBE YES # GUJARATI LETTER VOCALIC RR..GUJARATI VOWEL SIGN  
0AE4..0AE5 ; UNASSIGNED# <reserved>..  
0AE6..0AEF ; MAYBE YES # GUJARATI DIGIT ZERO..GUJARATI DIGIT NINE



0AF0 ; UNASSIGNED# <reserved>  
0AF1 ; NEVER # GUJARATI RUPEE SIGN  
0AF2..0B00 ; UNASSIGNED# <reserved>..  
0B01..0B03 ; MAYBE YES # ORIYA SIGN CANDRABINDU..  
0B04 ; UNASSIGNED# <reserved>  
0B05..0B0C ; MAYBE YES # ORIYA LETTER A..  
0B0D..0B0E ; UNASSIGNED# <reserved>..  
0B0F..0B10 ; MAYBE YES # ORIYA LETTER E..  
0B11..0B12 ; UNASSIGNED# <reserved>..  
0B13..0B28 ; MAYBE YES # ORIYA LETTER O..  
0B29 ; UNASSIGNED# <reserved>  
0B2A..0B30 ; MAYBE YES # ORIYA LETTER PA..  
0B31 ; UNASSIGNED# <reserved>  
0B32..0B33 ; MAYBE YES # ORIYA LETTER LA..  
0B34 ; UNASSIGNED# <reserved>  
0B35..0B39 ; MAYBE YES # ORIYA LETTER VA..  
0B3A..0B3B ; UNASSIGNED# <reserved>..  
0B3C..0B43 ; MAYBE YES # ORIYA SIGN NUKTA..  
0B44..0B46 ; UNASSIGNED# <reserved>..  
0B47 ; MAYBE YES # ORIYA VOWEL SIGN E  
0B48 ; NEVER # ORIYA VOWEL SIGN AI  
0B49..0B4A ; UNASSIGNED# <reserved>..  
0B4B..0B4C ; NEVER # ORIYA VOWEL SIGN O..  
0B4D ; MAYBE YES # ORIYA SIGN VIRAMA  
0B4E..0B55 ; UNASSIGNED# <reserved>..  
0B56..0B57 ; MAYBE YES # ORIYA AI LENGTH MARK..  
0B58..0B5B ; UNASSIGNED# <reserved>..  
0B5C..0B5D ; NEVER # ORIYA LETTER RRA..  
0B5E ; UNASSIGNED# <reserved>  
0B5F..0B61 ; MAYBE YES # ORIYA LETTER YYA..  
0B62..0B65 ; UNASSIGNED# <reserved>..  
0B66..0B6F ; MAYBE YES # ORIYA DIGIT ZERO..  
0B70 ; NEVER # ORIYA ISSHAR  
0B71 ; MAYBE YES # ORIYA LETTER WA  
0B72..0B81 ; UNASSIGNED# <reserved>..  
0B82..0B83 ; MAYBE YES # TAMIL SIGN ANUSVARA..  
0B84 ; UNASSIGNED# <reserved>  
0B85..0B8A ; MAYBE YES # TAMIL LETTER A..  
0B8B..0B8D ; UNASSIGNED# <reserved>..  
0B8E..0B90 ; MAYBE YES # TAMIL LETTER E..  
0B91 ; UNASSIGNED# <reserved>  
0B92..0B93 ; MAYBE YES # TAMIL LETTER O..  
0B94 ; NEVER # TAMIL LETTER AU  
0B95 ; MAYBE YES # TAMIL LETTER KA  
0B96..0B98 ; UNASSIGNED# <reserved>..  
0B99..0B9A ; MAYBE YES # TAMIL LETTER NGA..  
0B9B ; UNASSIGNED# <reserved>  
0B9C ; MAYBE YES # TAMIL LETTER JA



0B9D ; UNASSIGNED# <reserved>  
0B9E..0B9F ; MAYBE YES # TAMIL LETTER NYA..TAMIL LETTER TTA  
0BA0..0BA2 ; UNASSIGNED# <reserved>..  
0BA3..0BA4 ; MAYBE YES # TAMIL LETTER NNA..TAMIL LETTER TA  
0BA5..0BA7 ; UNASSIGNED# <reserved>..  
0BA8..0BAA ; MAYBE YES # TAMIL LETTER NA..TAMIL LETTER PA  
0BAB..0BAD ; UNASSIGNED# <reserved>..  
0BAE..0BB9 ; MAYBE YES # TAMIL LETTER MA..TAMIL LETTER HA  
0BBA..0BBD ; UNASSIGNED# <reserved>..  
0BBE..0BC2 ; MAYBE YES # TAMIL VOWEL SIGN AA..TAMIL VOWEL SIGN UU  
0BC3..0BC5 ; UNASSIGNED# <reserved>..  
0BC6..0BC8 ; MAYBE YES # TAMIL VOWEL SIGN E..TAMIL VOWEL SIGN AI  
0BC9 ; UNASSIGNED# <reserved>  
0BCA..0BCC ; NEVER # TAMIL VOWEL SIGN O..TAMIL VOWEL SIGN AU  
0BCD ; MAYBE YES # TAMIL SIGN VIRAMA  
0BCE..0BD6 ; UNASSIGNED# <reserved>..  
0BD7 ; MAYBE YES # TAMIL AU LENGTH MARK  
0BD8..0BE5 ; UNASSIGNED# <reserved>..  
0BE6..0BEF ; MAYBE YES # TAMIL DIGIT ZERO..TAMIL DIGIT NINE  
0BF0..0BFA ; NEVER # TAMIL NUMBER TEN..TAMIL NUMBER SIGN  
0BFB..0C00 ; UNASSIGNED# <reserved>..  
0C01..0C03 ; MAYBE YES # TELUGU SIGN CANDRABINDU..TELUGU SIGN VISARGA  
0C04 ; UNASSIGNED# <reserved>  
0C05..0C0C ; MAYBE YES # TELUGU LETTER A..TELUGU LETTER VOCALIC L  
0C0D ; UNASSIGNED# <reserved>  
0C0E..0C10 ; MAYBE YES # TELUGU LETTER E..TELUGU LETTER AI  
0C11 ; UNASSIGNED# <reserved>  
0C12..0C28 ; MAYBE YES # TELUGU LETTER O..TELUGU LETTER NA  
0C29 ; UNASSIGNED# <reserved>  
0C2A..0C33 ; MAYBE YES # TELUGU LETTER PA..TELUGU LETTER LLA  
0C34 ; UNASSIGNED# <reserved>  
0C35..0C39 ; MAYBE YES # TELUGU LETTER VA..TELUGU LETTER HA  
0C3A..0C3D ; UNASSIGNED# <reserved>..  
0C3E..0C44 ; MAYBE YES # TELUGU VOWEL SIGN AA..TELUGU VOWEL SIGN VOCALIC  
0C45 ; UNASSIGNED# <reserved>  
0C46..0C48 ; MAYBE YES # TELUGU VOWEL SIGN E..TELUGU VOWEL SIGN AI  
0C49 ; UNASSIGNED# <reserved>  
0C4A..0C4D ; MAYBE YES # TELUGU VOWEL SIGN O..TELUGU SIGN VIRAMA  
0C4E..0C54 ; UNASSIGNED# <reserved>..  
0C55..0C56 ; MAYBE YES # TELUGU LENGTH MARK..TELUGU AI LENGTH MARK  
0C57..0C5F ; UNASSIGNED# <reserved>..  
0C60..0C61 ; MAYBE YES # TELUGU LETTER VOCALIC RR..TELUGU LETTER VOCALIC  
0C62..0C65 ; UNASSIGNED# <reserved>..  
0C66..0C6F ; MAYBE YES # TELUGU DIGIT ZERO..TELUGU DIGIT NINE  
0C70..0C81 ; UNASSIGNED# <reserved>..  
0C82..0C83 ; MAYBE YES # KANNADA SIGN ANUSVARA..KANNADA SIGN VISARGA  
0C84 ; UNASSIGNED# <reserved>  
0C85..0C8C ; MAYBE YES # KANNADA LETTER A..KANNADA LETTER VOCALIC L





0C8D ; UNASSIGNED# <reserved>  
0C8E..0C90 ; MAYBE YES # KANNADA LETTER E..KANNADA LETTER AI  
0C91 ; UNASSIGNED# <reserved>  
0C92..0CA8 ; MAYBE YES # KANNADA LETTER O..KANNADA LETTER NA  
0CA9 ; UNASSIGNED# <reserved>  
0CAA..0CB3 ; MAYBE YES # KANNADA LETTER PA..KANNADA LETTER LLA  
0CB4 ; UNASSIGNED# <reserved>  
0CB5..0CB9 ; MAYBE YES # KANNADA LETTER VA..KANNADA LETTER HA  
0CBA..0CBB ; UNASSIGNED# <reserved>..  
0CBC..0CBF ; MAYBE YES # KANNADA SIGN NUKTA..KANNADA VOWEL SIGN I  
0CC0 ; NEVER # KANNADA VOWEL SIGN II  
0CC1..0CC4 ; MAYBE YES # KANNADA VOWEL SIGN U..KANNADA VOWEL SIGN VOCALI  
0CC5 ; UNASSIGNED# <reserved>  
0CC6 ; MAYBE YES # KANNADA VOWEL SIGN E  
0CC7..0CC8 ; NEVER # KANNADA VOWEL SIGN EE..KANNADA VOWEL SIGN AI  
0CC9 ; UNASSIGNED# <reserved>  
0CCA..0CCB ; NEVER # KANNADA VOWEL SIGN O..KANNADA VOWEL SIGN OO  
0CCC..0CCD ; MAYBE YES # KANNADA VOWEL SIGN AU..KANNADA SIGN VIRAMA  
0CCE..0CD4 ; UNASSIGNED# <reserved>..  
0CD5..0CD6 ; MAYBE YES # KANNADA LENGTH MARK..KANNADA AI LENGTH MARK  
0CD7..0CDD ; UNASSIGNED# <reserved>..  
0CDE ; MAYBE YES # KANNADA LETTER FA  
0CDF ; UNASSIGNED# <reserved>  
0CE0..0CE3 ; MAYBE YES # KANNADA LETTER VOCALIC RR..KANNADA VOWEL SIGN V  
0CE4..0CE5 ; UNASSIGNED# <reserved>..  
0CE6..0CEF ; MAYBE YES # KANNADA DIGIT ZERO..KANNADA DIGIT NINE  
0CF0 ; UNASSIGNED# <reserved>  
0CF1..0CF2 ; NEVER # KANNADA SIGN JIHVAMULIYA..KANNADA SIGN UPADHMAN  
0CF3..0D01 ; UNASSIGNED# <reserved>..  
0D02..0D03 ; MAYBE YES # MALAYALAM SIGN ANUSVARA..MALAYALAM SIGN VISARGA  
0D04 ; UNASSIGNED# <reserved>  
0D05..0D0C ; MAYBE YES # MALAYALAM LETTER A..MALAYALAM LETTER VOCALIC L  
0D0D ; UNASSIGNED# <reserved>  
0D0E..0D10 ; MAYBE YES # MALAYALAM LETTER E..MALAYALAM LETTER AI  
0D11 ; UNASSIGNED# <reserved>  
0D12..0D28 ; MAYBE YES # MALAYALAM LETTER O..MALAYALAM LETTER NA  
0D29 ; UNASSIGNED# <reserved>  
0D2A..0D39 ; MAYBE YES # MALAYALAM LETTER PA..MALAYALAM LETTER HA  
0D3A..0D3D ; UNASSIGNED# <reserved>..  
0D3E..0D43 ; MAYBE YES # MALAYALAM VOWEL SIGN AA..MALAYALAM VOWEL SIGN V  
0D44..0D45 ; UNASSIGNED# <reserved>..  
0D46..0D48 ; MAYBE YES # MALAYALAM VOWEL SIGN E..MALAYALAM VOWEL SIGN AI  
0D49 ; UNASSIGNED# <reserved>  
0D4A..0D4C ; NEVER # MALAYALAM VOWEL SIGN O..MALAYALAM VOWEL SIGN AU  
0D4D ; MAYBE YES # MALAYALAM SIGN VIRAMA  
0D4E..0D56 ; UNASSIGNED# <reserved>..  
0D57 ; MAYBE YES # MALAYALAM AU LENGTH MARK  
0D58..0D5F ; UNASSIGNED# <reserved>..



0D60..0D61 ; MAYBE YES # MALAYALAM LETTER VOCALIC RR..MALAYALAM LETTER V  
0D62..0D65 ; UNASSIGNED# <reserved>..  
0D66..0D6F ; MAYBE YES # MALAYALAM DIGIT ZERO..MALAYALAM DIGIT NINE  
0D70..0D81 ; UNASSIGNED# <reserved>..  
0D82..0D83 ; MAYBE YES # SINHALA SIGN ANUSVARAYA..SINHALA SIGN VISARGAYA  
0D84 ; UNASSIGNED# <reserved>  
0D85..0D96 ; MAYBE YES # SINHALA LETTER AYANNA..SINHALA LETTER AUYANNA  
0D97..0D99 ; UNASSIGNED# <reserved>..  
0D9A..0DB1 ; MAYBE YES # SINHALA LETTER ALPAPRAANA KAYANNA..SINHALA LETT  
0DB2 ; UNASSIGNED# <reserved>  
0DB3..0DBB ; MAYBE YES # SINHALA LETTER SANYAKA DAYANNA..SINHALA LETTER  
0DBC ; UNASSIGNED# <reserved>  
0DBD ; MAYBE YES # SINHALA LETTER DANTAJA LAYANNA  
0DBE..0DBF ; UNASSIGNED# <reserved>..  
0DC0..0DC6 ; MAYBE YES # SINHALA LETTER VAYANNA..SINHALA LETTER FAYANNA  
0DC7..0DC9 ; UNASSIGNED# <reserved>..  
0DCA ; MAYBE YES # SINHALA SIGN AL-LAKUNA  
0DCB..0DCE ; UNASSIGNED# <reserved>..  
0DCF..0DD4 ; MAYBE YES # SINHALA VOWEL SIGN AELA-PILLA..SINHALA VOWEL SI  
0DD5 ; UNASSIGNED# <reserved>  
0DD6 ; MAYBE YES # SINHALA VOWEL SIGN DIGA PAA-PILLA  
0DD7 ; UNASSIGNED# <reserved>  
0DD8..0ddb ; MAYBE YES # SINHALA VOWEL SIGN GAETTA-PILLA..SINHALA VOWEL  
0DDC..0DDE ; NEVER # SINHALA VOWEL SIGN KOMBUVA HAA AELA-PILLA..SINH  
0DDF ; MAYBE YES # SINHALA VOWEL SIGN GAYANUKITTA  
0DE0..0DF1 ; UNASSIGNED# <reserved>..  
0DF2..0DF3 ; MAYBE YES # SINHALA VOWEL SIGN DIGA GAETTA-PILLA..SINHALA V  
0DF4 ; NEVER # SINHALA PUNCTUATION KUNDDALIYA  
0DF5..0E00 ; UNASSIGNED# <reserved>..  
0E01..0E32 ; MAYBE YES # THAI CHARACTER KO KAI..THAI CHARACTER SARA AA  
0E33 ; NEVER # THAI CHARACTER SARA AM  
0E34..0E3A ; MAYBE YES # THAI CHARACTER SARA I..THAI CHARACTER PHINTHU  
0E3B..0E3E ; UNASSIGNED# <reserved>..  
0E3F ; NEVER # THAI CURRENCY SYMBOL BAHT  
0E40..0E4E ; MAYBE YES # THAI CHARACTER SARA E..THAI CHARACTER YAMAKKAN  
0E4F ; NEVER # THAI CHARACTER FONGMAN  
0E50..0E59 ; MAYBE YES # THAI DIGIT ZERO..THAI DIGIT NINE  
0E5A..0E5B ; NEVER # THAI CHARACTER ANGKHANKHU..THAI CHARACTER KHOMU  
0E5C..0E80 ; UNASSIGNED# <reserved>..  
0E81..0E82 ; MAYBE YES # LAO LETTER KO..LAO LETTER KHO SUNG  
0E83 ; UNASSIGNED# <reserved>  
0E84 ; MAYBE YES # LAO LETTER KHO TAM  
0E85..0E86 ; UNASSIGNED# <reserved>..  
0E87..0E88 ; MAYBE YES # LAO LETTER NGO..LAO LETTER CO  
0E89 ; UNASSIGNED# <reserved>  
0E8A ; MAYBE YES # LAO LETTER SO TAM  
0E8B..0E8C ; UNASSIGNED# <reserved>..  
0E8D ; MAYBE YES # LAO LETTER NYO



0E8E..0E93 ; UNASSIGNED# <reserved>..<reserved>  
0E94..0E97 ; MAYBE YES # LAO LETTER DO..LAO LETTER THO TAM  
0E98 ; UNASSIGNED# <reserved>  
0E99..0E9F ; MAYBE YES # LAO LETTER NO..LAO LETTER FO SUNG  
0EA0 ; UNASSIGNED# <reserved>  
0EA1..0EA3 ; MAYBE YES # LAO LETTER MO..LAO LETTER LO LING  
0EA4 ; UNASSIGNED# <reserved>  
0EA5 ; MAYBE YES # LAO LETTER LO LOOT  
0EA6 ; UNASSIGNED# <reserved>  
0EA7 ; MAYBE YES # LAO LETTER WO  
0EA8..0EA9 ; UNASSIGNED# <reserved>..<reserved>  
0EAA..0EAB ; MAYBE YES # LAO LETTER SO SUNG..LAO LETTER HO SUNG  
0EAC ; UNASSIGNED# <reserved>  
0EAD..0EB2 ; MAYBE YES # LAO LETTER O..LAO VOWEL SIGN AA  
0EB3 ; NEVER # LAO VOWEL SIGN AM  
0EB4..0EB9 ; MAYBE YES # LAO VOWEL SIGN I..LAO VOWEL SIGN UU  
0EBA ; UNASSIGNED# <reserved>  
0EBB..0EBD ; MAYBE YES # LAO VOWEL SIGN MAI KON..LAO SEMIVOWEL SIGN NYO  
0EBE..0EBF ; UNASSIGNED# <reserved>..<reserved>  
0EC0..0EC4 ; MAYBE YES # LAO VOWEL SIGN E..LAO VOWEL SIGN AI  
0EC5 ; UNASSIGNED# <reserved>  
0EC6 ; MAYBE YES # LAO KO LA  
0EC7 ; UNASSIGNED# <reserved>  
0EC8..0ECD ; MAYBE YES # LAO TONE MAI EK..LAO NIGGAHITA  
0ECE..0ECF ; UNASSIGNED# <reserved>..<reserved>  
0ED0..0ED9 ; MAYBE YES # LAO DIGIT ZERO..LAO DIGIT NINE  
0EDA..0EDB ; UNASSIGNED# <reserved>..<reserved>  
0EDC..0EDD ; NEVER # LAO HO NO..LAO HO MO  
0EDE..0EFF ; UNASSIGNED# <reserved>..<reserved>  
0F00 ; MAYBE YES # TIBETAN SYLLABLE OM  
0F01..0F17 ; NEVER # TIBETAN MARK GTER YIG MGO TRUNCATED A..TIBETAN  
0F18..0F19 ; MAYBE YES # TIBETAN ASTROLOGICAL SIGN -KHYUD PA..TIBETAN AS  
0F1A..0F1F ; NEVER # TIBETAN SIGN RDEL DKAR GCIG..TIBETAN SIGN RDEL  
0F20..0F29 ; MAYBE YES # TIBETAN DIGIT ZERO..TIBETAN DIGIT NINE  
0F2A..0F34 ; NEVER # TIBETAN DIGIT HALF ONE..TIBETAN MARK BSDUS RTAG  
0F35 ; MAYBE YES # TIBETAN MARK NGAS BZUNG NYI ZLA  
0F36 ; NEVER # TIBETAN MARK CARET -DZUD RTAGS BZHI MIG CAN  
0F37 ; MAYBE YES # TIBETAN MARK NGAS BZUNG SGOR RTAGS  
0F38 ; NEVER # TIBETAN MARK CHE MGO  
0F39 ; MAYBE YES # TIBETAN MARK TSA -PHRU  
0F3A..0F3D ; NEVER # TIBETAN MARK GUG RTAGS GYON..TIBETAN MARK ANG K  
0F3E..0F42 ; MAYBE YES # TIBETAN SIGN YAR TSHES..TIBETAN LETTER GA  
0F43 ; NEVER # TIBETAN LETTER GHA  
0F44..0F47 ; MAYBE YES # TIBETAN LETTER NGA..TIBETAN LETTER JA  
0F48 ; UNASSIGNED# <reserved>  
0F49..0F4C ; MAYBE YES # TIBETAN LETTER NYA..TIBETAN LETTER DDA  
0F4D ; NEVER # TIBETAN LETTER DDHA  
0F4E..0F51 ; MAYBE YES # TIBETAN LETTER NNA..TIBETAN LETTER DA



0F52 ; NEVER # TIBETAN LETTER DHA  
0F53..0F56 ; MAYBE YES # TIBETAN LETTER NA..TIBETAN LETTER BA  
0F57 ; NEVER # TIBETAN LETTER BHA  
0F58..0F5B ; MAYBE YES # TIBETAN LETTER MA..TIBETAN LETTER DZA  
0F5C ; NEVER # TIBETAN LETTER DZHA  
0F5D..0F68 ; MAYBE YES # TIBETAN LETTER WA..TIBETAN LETTER A  
0F69 ; NEVER # TIBETAN LETTER KSSA  
0F6A ; MAYBE YES # TIBETAN LETTER FIXED-FORM RA  
0F6B..0F70 ; UNASSIGNED# <reserved>..<reserved>  
0F71..0F72 ; MAYBE YES # TIBETAN VOWEL SIGN AA..TIBETAN VOWEL SIGN I  
0F73 ; NEVER # TIBETAN VOWEL SIGN II  
0F74 ; MAYBE YES # TIBETAN VOWEL SIGN U  
0F75..0F79 ; NEVER # TIBETAN VOWEL SIGN UU..TIBETAN VOWEL SIGN VOCAL  
0F7A..0F80 ; MAYBE YES # TIBETAN VOWEL SIGN E..TIBETAN VOWEL SIGN REVERS  
0F81 ; NEVER # TIBETAN VOWEL SIGN REVERSED II  
0F82..0F84 ; MAYBE YES # TIBETAN SIGN NYI ZLA NAA DA..TIBETAN MARK HALAN  
0F85 ; NEVER # TIBETAN MARK PALUTA  
0F86..0F8B ; MAYBE YES # TIBETAN SIGN LCI RTAGS..TIBETAN SIGN GRU MED RG  
0F8C..0F8F ; UNASSIGNED# <reserved>..<reserved>  
0F90..0F92 ; MAYBE YES # TIBETAN SUBJOINED LETTER KA..TIBETAN SUBJOINED  
0F93 ; NEVER # TIBETAN SUBJOINED LETTER GHA  
0F94..0F97 ; MAYBE YES # TIBETAN SUBJOINED LETTER NGA..TIBETAN SUBJOINED  
0F98 ; UNASSIGNED# <reserved>  
0F99..0F9C ; MAYBE YES # TIBETAN SUBJOINED LETTER NYA..TIBETAN SUBJOINED  
0F9D ; NEVER # TIBETAN SUBJOINED LETTER DDHA  
0F9E..0FA1 ; MAYBE YES # TIBETAN SUBJOINED LETTER NNA..TIBETAN SUBJOINED  
0FA2 ; NEVER # TIBETAN SUBJOINED LETTER DHA  
0FA3..0FA6 ; MAYBE YES # TIBETAN SUBJOINED LETTER NA..TIBETAN SUBJOINED  
0FA7 ; NEVER # TIBETAN SUBJOINED LETTER BHA  
0FA8..0FAB ; MAYBE YES # TIBETAN SUBJOINED LETTER MA..TIBETAN SUBJOINED  
0FAC ; NEVER # TIBETAN SUBJOINED LETTER DZHA  
0FAD..0FB8 ; MAYBE YES # TIBETAN SUBJOINED LETTER WA..TIBETAN SUBJOINED  
0FB9 ; NEVER # TIBETAN SUBJOINED LETTER KSSA  
0FBA..0FBC ; MAYBE YES # TIBETAN SUBJOINED LETTER FIXED-FORM WA..TIBETAN  
0FBD ; UNASSIGNED# <reserved>  
0FBE..0FC5 ; NEVER # TIBETAN KU RU KHA..TIBETAN SYMBOL RDO RJE  
0FC6 ; MAYBE YES # TIBETAN SYMBOL PADMA GDAN  
0FC7..0FCC ; NEVER # TIBETAN SYMBOL RDO RJE RGYA GRAM..TIBETAN SYMBO  
0FCD..0FCE ; UNASSIGNED# <reserved>..<reserved>  
0FCF..0FD1 ; NEVER # TIBETAN SIGN RDEL NAG GSUM..TIBETAN MARK MNYAM  
0FD2..0FFF ; UNASSIGNED# <reserved>..<reserved>  
1000..1021 ; MAYBE YES # MYANMAR LETTER KA..MYANMAR LETTER A  
[1022](#) ; UNASSIGNED# <reserved>  
1023..1025 ; MAYBE YES # MYANMAR LETTER I..MYANMAR LETTER U  
[1026](#) ; NEVER # MYANMAR LETTER UU  
[1027](#) ; MAYBE YES # MYANMAR LETTER E  
[1028](#) ; UNASSIGNED# <reserved>  
1029..102A ; MAYBE YES # MYANMAR LETTER O..MYANMAR LETTER AU





102B ; UNASSIGNED# <reserved>  
102C..1032 ; MAYBE YES # MYANMAR VOWEL SIGN AA..MYANMAR VOWEL SIGN AI  
1033..1035 ; UNASSIGNED# <reserved>..  
1036..1039 ; MAYBE YES # MYANMAR SIGN ANUSVARA..MYANMAR SIGN VIRAMA  
103A..103F ; UNASSIGNED# <reserved>..  
1040..1049 ; MAYBE YES # MYANMAR DIGIT ZERO..MYANMAR DIGIT NINE  
104A..104F ; NEVER # MYANMAR SIGN LITTLE SECTION..MYANMAR SYMBOL GEN  
1050..1059 ; MAYBE YES # MYANMAR LETTER SHA..MYANMAR VOWEL SIGN VOCALIC  
105A..109F ; UNASSIGNED# <reserved>..  
10A0..10C5 ; NEVER # GEORGIAN CAPITAL LETTER AN..GEORGIAN CAPITAL LE  
10C6..10CF ; UNASSIGNED# <reserved>..  
10D0..10FA ; MAYBE YES # GEORGIAN LETTER AN..GEORGIAN LETTER AIN  
10FB..10FC ; NEVER # GEORGIAN PARAGRAPH SEPARATOR..MODIFIER LETTER G  
10FD..10FF ; UNASSIGNED# <reserved>..  
1100..1159 ; MAYBE YES # HANGUL CHOSEONG KIYEOK..HANGUL CHOSEONG YEORINH  
115A..115E ; UNASSIGNED# <reserved>..  
115F..1160 ; NEVER # HANGUL CHOSEONG FILLER..HANGUL JUNGSEONG FILLER  
1161..11A2 ; MAYBE YES # HANGUL JUNGSEONG A..HANGUL JUNGSEONG SSANGARAE  
11A3..11A7 ; UNASSIGNED# <reserved>..  
11A8..11F9 ; MAYBE YES # HANGUL JONGSEONG KIYEOK..HANGUL JONGSEONG YEORI  
11FA..11FF ; UNASSIGNED# <reserved>..  
1200..1248 ; MAYBE YES # ETHIOPIC SYLLABLE HA..ETHIOPIC SYLLABLE QWA  
[1249](#) ; UNASSIGNED# <reserved>  
124A..124D ; MAYBE YES # ETHIOPIC SYLLABLE QWI..ETHIOPIC SYLLABLE QWE  
124E..124F ; UNASSIGNED# <reserved>..  
1250..1256 ; MAYBE YES # ETHIOPIC SYLLABLE QHA..ETHIOPIC SYLLABLE QHO  
[1257](#) ; UNASSIGNED# <reserved>  
[1258](#) ; MAYBE YES # ETHIOPIC SYLLABLE QHWA  
[1259](#) ; UNASSIGNED# <reserved>  
125A..125D ; MAYBE YES # ETHIOPIC SYLLABLE QHWI..ETHIOPIC SYLLABLE QHWE  
125E..125F ; UNASSIGNED# <reserved>..  
1260..1288 ; MAYBE YES # ETHIOPIC SYLLABLE BA..ETHIOPIC SYLLABLE XWA  
[1289](#) ; UNASSIGNED# <reserved>  
128A..128D ; MAYBE YES # ETHIOPIC SYLLABLE XWI..ETHIOPIC SYLLABLE XWE  
128E..128F ; UNASSIGNED# <reserved>..  
1290..12B0 ; MAYBE YES # ETHIOPIC SYLLABLE NA..ETHIOPIC SYLLABLE KWA  
12B1 ; UNASSIGNED# <reserved>  
12B2..12B5 ; MAYBE YES # ETHIOPIC SYLLABLE KWI..ETHIOPIC SYLLABLE KWE  
12B6..12B7 ; UNASSIGNED# <reserved>..  
12B8..12BE ; MAYBE YES # ETHIOPIC SYLLABLE KXA..ETHIOPIC SYLLABLE KXO  
12BF ; UNASSIGNED# <reserved>  
12C0 ; MAYBE YES # ETHIOPIC SYLLABLE KXWA  
12C1 ; UNASSIGNED# <reserved>  
12C2..12C5 ; MAYBE YES # ETHIOPIC SYLLABLE KXWI..ETHIOPIC SYLLABLE KXWE  
12C6..12C7 ; UNASSIGNED# <reserved>..  
12C8..12D6 ; MAYBE YES # ETHIOPIC SYLLABLE WA..ETHIOPIC SYLLABLE PHARYNG  
12D7 ; UNASSIGNED# <reserved>  
12D8..1310 ; MAYBE YES # ETHIOPIC SYLLABLE ZA..ETHIOPIC SYLLABLE GWA



[1311](#) ; UNASSIGNED# <reserved>  
1312..1315 ; MAYBE YES # ETHIOPIC SYLLABLE GWI..ETHIOPIC SYLLABLE GWE  
1316..1317 ; UNASSIGNED# <reserved>..  
1318..135A ; MAYBE YES # ETHIOPIC SYLLABLE GGA..ETHIOPIC SYLLABLE FYA  
135B..135E ; UNASSIGNED# <reserved>..  
135F ; MAYBE YES # ETHIOPIC COMBINING GEMINATION MARK  
1360..137C ; NEVER # ETHIOPIC SECTION MARK..ETHIOPIC NUMBER TEN THOU  
137D..137F ; UNASSIGNED# <reserved>..  
1380..138F ; MAYBE YES # ETHIOPIC SYLLABLE SEBATBEIT MWA..ETHIOPIC SYLLA  
1390..1399 ; NEVER # ETHIOPIC TONAL MARK YIZET..ETHIOPIC TONAL MARK  
139A..139F ; UNASSIGNED# <reserved>..  
13A0..13F4 ; MAYBE YES # CHEROKEE LETTER A..CHEROKEE LETTER YV  
13F5..1400 ; UNASSIGNED# <reserved>..  
1401..166C ; MAYBE YES # CANADIAN SYLLABICS E..CANADIAN SYLLABICS CARRIE  
166D..166E ; NEVER # CANADIAN SYLLABICS CHI SIGN..CANADIAN SYLLABICS  
166F..1676 ; MAYBE YES # CANADIAN SYLLABICS QAI..CANADIAN SYLLABICS NNGA  
1677..167F ; UNASSIGNED# <reserved>..  
1680..169C ; NEVER # OGHAM SPACE MARK..OGHAM REVERSED FEATHER MARK  
169D..169F ; UNASSIGNED# <reserved>..  
16A0..16EA ; MAYBE YES # RUNIC LETTER FEHU FE OH FE F..RUNIC LETTER X  
16EB..16F0 ; NEVER # RUNIC SINGLE PUNCTUATION..RUNIC BELGTHOR SYMBOL  
16F1..16FF ; UNASSIGNED# <reserved>..  
1700..170C ; MAYBE YES # TAGALOG LETTER A..TAGALOG LETTER YA  
170D ; UNASSIGNED# <reserved>  
170E..1714 ; MAYBE YES # TAGALOG LETTER LA..TAGALOG SIGN VIRAMA  
1715..171F ; UNASSIGNED# <reserved>..  
1720..1734 ; MAYBE YES # HANUNOO LETTER A..HANUNOO SIGN PAMUDPOD  
1735..1736 ; NEVER # PHILIPPINE SINGLE PUNCTUATION..PHILIPPINE DOUBL  
1737..173F ; UNASSIGNED# <reserved>..  
1740..1753 ; MAYBE YES # BUHID LETTER A..BUHID VOWEL SIGN U  
1754..175F ; UNASSIGNED# <reserved>..  
1760..176C ; MAYBE YES # TAGBANWA LETTER A..TAGBANWA LETTER YA  
176D ; UNASSIGNED# <reserved>  
176E..1770 ; MAYBE YES # TAGBANWA LETTER LA..TAGBANWA LETTER SA  
[1771](#) ; UNASSIGNED# <reserved>  
1772..1773 ; MAYBE YES # TAGBANWA VOWEL SIGN I..TAGBANWA VOWEL SIGN U  
1774..177F ; UNASSIGNED# <reserved>..  
1780..17B3 ; MAYBE YES # KHMER LETTER KA..KHMER INDEPENDENT VOWEL QAU  
17B4..17B5 ; CONTEXT # KHMER VOWEL INHERENT AQ..KHMER VOWEL INHERENT A  
17B6..17D3 ; MAYBE YES # KHMER VOWEL SIGN AA..KHMER SIGN BATHAMASAT  
17D4..17D6 ; NEVER # KHMER SIGN KHAN..KHMER SIGN CAMNUC PII KUUH  
17D7 ; MAYBE YES # KHMER SIGN LEK TOO  
17D8..17DB ; NEVER # KHMER SIGN BEYYAL..KHMER CURRENCY SYMBOL RIEL  
17DC..17DD ; MAYBE YES # KHMER SIGN AVAKRAHASANYA..KHMER SIGN ATTHACAN  
17DE..17DF ; UNASSIGNED# <reserved>..  
17E0..17E9 ; MAYBE YES # KHMER DIGIT ZERO..KHMER DIGIT NINE  
17EA..17EF ; UNASSIGNED# <reserved>..  
17F0..17F9 ; NEVER # KHMER SYMBOL LEK ATTAK SON..KHMER SYMBOL LEK AT



17FA..17FF ; UNASSIGNED# <reserved>..<reserved>  
1800..180A ; NEVER # MONGOLIAN BIRGA..MONGOLIAN NIRUGU  
180B..180D ; MAYBE YES # MONGOLIAN FREE VARIATION SELECTOR ONE..MONGOLIA  
180E ; NEVER # MONGOLIAN VOWEL SEPARATOR  
180F ; UNASSIGNED# <reserved>  
1810..1819 ; MAYBE YES # MONGOLIAN DIGIT ZERO..MONGOLIAN DIGIT NINE  
181A..181F ; UNASSIGNED# <reserved>..<reserved>  
1820..1877 ; MAYBE YES # MONGOLIAN LETTER A..MONGOLIAN LETTER MANCHU ZHA  
1878..187F ; UNASSIGNED# <reserved>..<reserved>  
1880..18A9 ; MAYBE YES # MONGOLIAN LETTER ALI GALI ANUSVARA ONE..MONGOLI  
18AA..18FF ; UNASSIGNED# <reserved>..<reserved>  
1900..191C ; MAYBE YES # LIMBU VOWEL-CARRIER LETTER..LIMBU LETTER HA  
191D..191F ; UNASSIGNED# <reserved>..<reserved>  
1920..192B ; MAYBE YES # LIMBU VOWEL SIGN A..LIMBU SUBJOINED LETTER WA  
192C..192F ; UNASSIGNED# <reserved>..<reserved>  
1930..193B ; MAYBE YES # LIMBU SMALL LETTER KA..LIMBU SIGN SA-I  
193C..193F ; UNASSIGNED# <reserved>..<reserved>  
[1940](#) ; NEVER # LIMBU SIGN LOO  
1941..1943 ; UNASSIGNED# <reserved>..<reserved>  
1944..1945 ; NEVER # LIMBU EXCLAMATION MARK..LIMBU QUESTION MARK  
1946..196D ; MAYBE YES # LIMBU DIGIT ZERO..TAI LE LETTER AI  
196E..196F ; UNASSIGNED# <reserved>..<reserved>  
1970..1974 ; MAYBE YES # TAI LE LETTER TONE-2..TAI LE LETTER TONE-6  
1975..197F ; UNASSIGNED# <reserved>..<reserved>  
1980..19A9 ; MAYBE YES # NEW TAI LUE LETTER HIGH QA..NEW TAI LUE LETTER  
19AA..19AF ; UNASSIGNED# <reserved>..<reserved>  
19B0..19C9 ; MAYBE YES # NEW TAI LUE VOWEL SIGN VOWEL SHORTENER..NEW TAI  
19CA..19CF ; UNASSIGNED# <reserved>..<reserved>  
19D0..19D9 ; MAYBE YES # NEW TAI LUE DIGIT ZERO..NEW TAI LUE DIGIT NINE  
19DA..19DD ; UNASSIGNED# <reserved>..<reserved>  
19DE..19FF ; NEVER # NEW TAI LUE SIGN LAE..KHMER SYMBOL DAP-PRAM ROC  
1A00..1A1B ; MAYBE YES # BUGINESE LETTER KA..BUGINESE VOWEL SIGN AE  
1A1C..1A1D ; UNASSIGNED# <reserved>..<reserved>  
1A1E..1A1F ; NEVER # BUGINESE PALLAWA..BUGINESE END OF [SECTION](#)  
[1A20](#)..1AFF ; UNASSIGNED# <reserved>..<reserved>  
1B00..1B05 ; MAYBE YES # BALINESE SIGN ULU RICEM..BALINESE LETTER AKARA  
1B06 ; NEVER # BALINESE LETTER AKARA TEDUNG  
1B07 ; MAYBE YES # BALINESE LETTER IKARA  
1B08 ; NEVER # BALINESE LETTER IKARA TEDUNG  
1B09 ; MAYBE YES # BALINESE LETTER UKARA  
1B0A ; NEVER # BALINESE LETTER UKARA TEDUNG  
1B0B ; MAYBE YES # BALINESE LETTER RA REPA  
1B0C ; NEVER # BALINESE LETTER RA REPA TEDUNG  
1B0D ; MAYBE YES # BALINESE LETTER LA LENG  
1B0E ; NEVER # BALINESE LETTER LA LENG TEDUNG  
1B0F..1B11 ; MAYBE YES # BALINESE LETTER EKARA..BALINESE LETTER OKARA  
1B12 ; NEVER # BALINESE LETTER OKARA TEDUNG  
1B13..1B3A ; MAYBE YES # BALINESE LETTER KA..BALINESE VOWEL SIGN RA REPA



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1B3B      ; NEVER      # BALINESE VOWEL SIGN RA REPA TEDUNG
1B3C      ; MAYBE YES # BALINESE VOWEL SIGN LA LENGA
1B3D      ; NEVER      # BALINESE VOWEL SIGN LA LENGA TEDUNG
1B3E..1B3F ; MAYBE YES # BALINESE VOWEL SIGN TALING..BALINESE VOWEL SIGN
1B40..1B41 ; NEVER      # BALINESE VOWEL SIGN TALING TEDUNG..BALINESE VOW
1B42      ; MAYBE YES # BALINESE VOWEL SIGN PEPET
1B43      ; NEVER      # BALINESE VOWEL SIGN PEPET TEDUNG
1B44..1B4B ; MAYBE YES # BALINESE ADEG ADEG..BALINESE LETTER ASYURA SASA
1B4C..1B4F ; UNASSIGNED# <reserved>..<reserved>
1B50..1B59 ; MAYBE YES # BALINESE DIGIT ZERO..BALINESE DIGIT NINE
1B5A..1B6A ; NEVER      # BALINESE PANTI..BALINESE MUSICAL SYMBOL DANG GE
1B6B..1B73 ; MAYBE YES # BALINESE MUSICAL SYMBOL COMBINING TEGEH..BALINE
1B74..1B7C ; NEVER      # BALINESE MUSICAL SYMBOL RIGHT-HAND OPEN DUG..BA
1B7D..1CFF ; UNASSIGNED# <reserved>..<reserved>
1D00..1D2B ; ALWAYS     # LATIN LETTER SMALL CAPITAL A..CYRILLIC LETTER S
1D2C..1D2E ; NEVER      # MODIFIER LETTER CAPITAL A..MODIFIER LETTER CAPI
1D2F      ; ALWAYS     # MODIFIER LETTER CAPITAL BARRED B
1D30..1D3A ; NEVER      # MODIFIER LETTER CAPITAL D..MODIFIER LETTER CAPI
1D3B      ; ALWAYS     # MODIFIER LETTER CAPITAL REVERSED N
1D3C..1D4D ; NEVER      # MODIFIER LETTER CAPITAL O..MODIFIER LETTER SMAL
1D4E      ; ALWAYS     # MODIFIER LETTER SMALL TURNED I
1D4F..1D6A ; NEVER      # MODIFIER LETTER SMALL K..GREEK SUBSCRIPT SMALL
1D6B..1D77 ; ALWAYS     # LATIN SMALL LETTER UE..LATIN SMALL LETTER TURNE
1D78      ; NEVER      # MODIFIER LETTER CYRILLIC EN
1D79..1D9A ; ALWAYS     # LATIN SMALL LETTER INSULAR G..LATIN SMALL LETTE
1D9B..1DBF ; NEVER      # MODIFIER LETTER SMALL TURNED ALPHA..MODIFIER LE
1DC0..1DCA ; MAYBE YES # COMBINING DOTTED GRAVE ACCENT..COMBINING LATIN
1DCB..1DFD ; UNASSIGNED# <reserved>..<reserved>
1DFE..1DFF ; MAYBE YES # COMBINING LEFT ARROWHEAD ABOVE..COMBINING RIGHT
1E00      ; NEVER      # LATIN CAPITAL LETTER A WITH RING BELOW
1E01      ; ALWAYS     # LATIN SMALL LETTER A WITH RING BELOW
1E02      ; NEVER      # LATIN CAPITAL LETTER B WITH DOT ABOVE
1E03      ; ALWAYS     # LATIN SMALL LETTER B WITH DOT ABOVE
1E04      ; NEVER      # LATIN CAPITAL LETTER B WITH DOT BELOW
1E05      ; ALWAYS     # LATIN SMALL LETTER B WITH DOT BELOW
1E06      ; NEVER      # LATIN CAPITAL LETTER B WITH LINE BELOW
1E07      ; ALWAYS     # LATIN SMALL LETTER B WITH LINE BELOW
1E08..1E0A ; NEVER      # LATIN CAPITAL LETTER C WITH CEDILLA AND ACUTE..
1E0B      ; ALWAYS     # LATIN SMALL LETTER D WITH DOT ABOVE
1E0C      ; NEVER      # LATIN CAPITAL LETTER D WITH DOT BELOW
1E0D      ; ALWAYS     # LATIN SMALL LETTER D WITH DOT BELOW
1E0E      ; NEVER      # LATIN CAPITAL LETTER D WITH LINE BELOW
1E0F      ; ALWAYS     # LATIN SMALL LETTER D WITH LINE BELOW
1E10      ; NEVER      # LATIN CAPITAL LETTER D WITH CEDILLA
1E11      ; ALWAYS     # LATIN SMALL LETTER D WITH CEDILLA
1E12      ; NEVER      # LATIN CAPITAL LETTER D WITH CIRCUMFLEX BELOW
1E13      ; ALWAYS     # LATIN SMALL LETTER D WITH CIRCUMFLEX BELOW
1E14..1E18 ; NEVER      # LATIN CAPITAL LETTER E WITH MACRON AND GRAVE..L
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1E19	; ALWAYS	# LATIN SMALL LETTER E WITH CIRCUMFLEX BELOW
1E1A	; NEVER	# LATIN CAPITAL LETTER E WITH TILDE BELOW
1E1B	; ALWAYS	# LATIN SMALL LETTER E WITH TILDE BELOW
1E1C..1E1E	; NEVER	# LATIN CAPITAL LETTER E WITH CEDILLA AND BREVE..
1E1F	; ALWAYS	# LATIN SMALL LETTER F WITH DOT ABOVE
1E20	; NEVER	# LATIN CAPITAL LETTER G WITH MACRON
1E21	; ALWAYS	# LATIN SMALL LETTER G WITH MACRON
1E22	; NEVER	# LATIN CAPITAL LETTER H WITH DOT ABOVE
1E23	; ALWAYS	# LATIN SMALL LETTER H WITH DOT ABOVE
1E24	; NEVER	# LATIN CAPITAL LETTER H WITH DOT BELOW
1E25	; ALWAYS	# LATIN SMALL LETTER H WITH DOT BELOW
1E26	; NEVER	# LATIN CAPITAL LETTER H WITH DIAERESIS
1E27	; ALWAYS	# LATIN SMALL LETTER H WITH DIAERESIS
1E28	; NEVER	# LATIN CAPITAL LETTER H WITH CEDILLA
1E29	; ALWAYS	# LATIN SMALL LETTER H WITH CEDILLA
1E2A	; NEVER	# LATIN CAPITAL LETTER H WITH BREVE BELOW
1E2B	; ALWAYS	# LATIN SMALL LETTER H WITH BREVE BELOW
1E2C	; NEVER	# LATIN CAPITAL LETTER I WITH TILDE BELOW
1E2D	; ALWAYS	# LATIN SMALL LETTER I WITH TILDE BELOW
1E2E..1E30	; NEVER	# LATIN CAPITAL LETTER I WITH DIAERESIS AND ACUTE
1E31	; ALWAYS	# LATIN SMALL LETTER K WITH ACUTE
1E32	; NEVER	# LATIN CAPITAL LETTER K WITH DOT BELOW
1E33	; ALWAYS	# LATIN SMALL LETTER K WITH DOT BELOW
1E34	; NEVER	# LATIN CAPITAL LETTER K WITH LINE BELOW
1E35	; ALWAYS	# LATIN SMALL LETTER K WITH LINE BELOW
1E36	; NEVER	# LATIN CAPITAL LETTER L WITH DOT BELOW
1E37	; ALWAYS	# LATIN SMALL LETTER L WITH DOT BELOW
1E38..1E3A	; NEVER	# LATIN CAPITAL LETTER L WITH DOT BELOW AND MACRO
1E3B	; ALWAYS	# LATIN SMALL LETTER L WITH LINE BELOW
1E3C	; NEVER	# LATIN CAPITAL LETTER L WITH CIRCUMFLEX BELOW
1E3D	; ALWAYS	# LATIN SMALL LETTER L WITH CIRCUMFLEX BELOW
1E3E	; NEVER	# LATIN CAPITAL LETTER M WITH ACUTE
1E3F	; ALWAYS	# LATIN SMALL LETTER M WITH ACUTE
1E40	; NEVER	# LATIN CAPITAL LETTER M WITH DOT ABOVE
1E41	; ALWAYS	# LATIN SMALL LETTER M WITH DOT ABOVE
1E42	; NEVER	# LATIN CAPITAL LETTER M WITH DOT BELOW
1E43	; ALWAYS	# LATIN SMALL LETTER M WITH DOT BELOW
1E44	; NEVER	# LATIN CAPITAL LETTER N WITH DOT ABOVE
1E45	; ALWAYS	# LATIN SMALL LETTER N WITH DOT ABOVE
1E46	; NEVER	# LATIN CAPITAL LETTER N WITH DOT BELOW
1E47	; ALWAYS	# LATIN SMALL LETTER N WITH DOT BELOW
1E48	; NEVER	# LATIN CAPITAL LETTER N WITH LINE BELOW
1E49	; ALWAYS	# LATIN SMALL LETTER N WITH LINE BELOW
1E4A	; NEVER	# LATIN CAPITAL LETTER N WITH CIRCUMFLEX BELOW
1E4B	; ALWAYS	# LATIN SMALL LETTER N WITH CIRCUMFLEX BELOW
1E4C..1E54	; NEVER	# LATIN CAPITAL LETTER O WITH TILDE AND ACUTE..LA
1E55	; ALWAYS	# LATIN SMALL LETTER P WITH ACUTE
1E56	; NEVER	# LATIN CAPITAL LETTER P WITH DOT ABOVE



1E57	; ALWAYS	# LATIN SMALL LETTER P WITH DOT ABOVE
1E58	; NEVER	# LATIN CAPITAL LETTER R WITH DOT ABOVE
1E59	; ALWAYS	# LATIN SMALL LETTER R WITH DOT ABOVE
1E5A	; NEVER	# LATIN CAPITAL LETTER R WITH DOT BELOW
1E5B	; ALWAYS	# LATIN SMALL LETTER R WITH DOT BELOW
1E5C..1E5E	; NEVER	# LATIN CAPITAL LETTER R WITH DOT BELOW AND MACRO
1E5F	; ALWAYS	# LATIN SMALL LETTER R WITH LINE BELOW
1E60	; NEVER	# LATIN CAPITAL LETTER S WITH DOT ABOVE
1E61	; ALWAYS	# LATIN SMALL LETTER S WITH DOT ABOVE
1E62	; NEVER	# LATIN CAPITAL LETTER S WITH DOT BELOW
1E63	; ALWAYS	# LATIN SMALL LETTER S WITH DOT BELOW
1E64..1E6A	; NEVER	# LATIN CAPITAL LETTER S WITH ACUTE AND DOT ABOVE
1E6B	; ALWAYS	# LATIN SMALL LETTER T WITH DOT ABOVE
1E6C	; NEVER	# LATIN CAPITAL LETTER T WITH DOT BELOW
1E6D	; ALWAYS	# LATIN SMALL LETTER T WITH DOT BELOW
1E6E	; NEVER	# LATIN CAPITAL LETTER T WITH LINE BELOW
1E6F	; ALWAYS	# LATIN SMALL LETTER T WITH LINE BELOW
1E70	; NEVER	# LATIN CAPITAL LETTER T WITH CIRCUMFLEX BELOW
1E71	; ALWAYS	# LATIN SMALL LETTER T WITH CIRCUMFLEX BELOW
1E72	; NEVER	# LATIN CAPITAL LETTER U WITH DIAERESIS BELOW
1E73	; ALWAYS	# LATIN SMALL LETTER U WITH DIAERESIS BELOW
1E74	; NEVER	# LATIN CAPITAL LETTER U WITH TILDE BELOW
1E75	; ALWAYS	# LATIN SMALL LETTER U WITH TILDE BELOW
1E76	; NEVER	# LATIN CAPITAL LETTER U WITH CIRCUMFLEX BELOW
1E77	; ALWAYS	# LATIN SMALL LETTER U WITH CIRCUMFLEX BELOW
1E78..1E7C	; NEVER	# LATIN CAPITAL LETTER U WITH TILDE AND ACUTE..LA
1E7D	; ALWAYS	# LATIN SMALL LETTER V WITH TILDE
1E7E	; NEVER	# LATIN CAPITAL LETTER V WITH DOT BELOW
1E7F	; ALWAYS	# LATIN SMALL LETTER V WITH DOT BELOW
1E80	; NEVER	# LATIN CAPITAL LETTER W WITH GRAVE
1E81	; ALWAYS	# LATIN SMALL LETTER W WITH GRAVE
1E82	; NEVER	# LATIN CAPITAL LETTER W WITH ACUTE
1E83	; ALWAYS	# LATIN SMALL LETTER W WITH ACUTE
1E84	; NEVER	# LATIN CAPITAL LETTER W WITH DIAERESIS
1E85	; ALWAYS	# LATIN SMALL LETTER W WITH DIAERESIS
1E86	; NEVER	# LATIN CAPITAL LETTER W WITH DOT ABOVE
1E87	; ALWAYS	# LATIN SMALL LETTER W WITH DOT ABOVE
1E88	; NEVER	# LATIN CAPITAL LETTER W WITH DOT BELOW
1E89	; ALWAYS	# LATIN SMALL LETTER W WITH DOT BELOW
1E8A	; NEVER	# LATIN CAPITAL LETTER X WITH DOT ABOVE
1E8B	; ALWAYS	# LATIN SMALL LETTER X WITH DOT ABOVE
1E8C	; NEVER	# LATIN CAPITAL LETTER X WITH DIAERESIS
1E8D	; ALWAYS	# LATIN SMALL LETTER X WITH DIAERESIS
1E8E	; NEVER	# LATIN CAPITAL LETTER Y WITH DOT ABOVE
1E8F	; ALWAYS	# LATIN SMALL LETTER Y WITH DOT ABOVE
1E90	; NEVER	# LATIN CAPITAL LETTER Z WITH CIRCUMFLEX
1E91	; ALWAYS	# LATIN SMALL LETTER Z WITH CIRCUMFLEX
1E92	; NEVER	# LATIN CAPITAL LETTER Z WITH DOT BELOW



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1E93      ; ALWAYS      # LATIN SMALL LETTER Z WITH DOT BELOW
1E94      ; NEVER       # LATIN CAPITAL LETTER Z WITH LINE BELOW
1E95      ; ALWAYS      # LATIN SMALL LETTER Z WITH LINE BELOW
1E96..1E9B ; NEVER       # LATIN SMALL LETTER H WITH LINE BELOW..LATIN SMA
1E9C..1E9F ; UNASSIGNED# <reserved>..<reserved>
1EA0      ; NEVER       # LATIN CAPITAL LETTER A WITH DOT BELOW
1EA1      ; ALWAYS      # LATIN SMALL LETTER A WITH DOT BELOW
1EA2      ; NEVER       # LATIN CAPITAL LETTER A WITH HOOK ABOVE
1EA3      ; ALWAYS      # LATIN SMALL LETTER A WITH HOOK ABOVE
1EA4..1EB8 ; NEVER       # LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND ACUT
1EB9      ; ALWAYS      # LATIN SMALL LETTER E WITH DOT BELOW
1EBA      ; NEVER       # LATIN CAPITAL LETTER E WITH HOOK ABOVE
1EBB      ; ALWAYS      # LATIN SMALL LETTER E WITH HOOK ABOVE
1EBC      ; NEVER       # LATIN CAPITAL LETTER E WITH TILDE
1EBD      ; ALWAYS      # LATIN SMALL LETTER E WITH TILDE
1EBE..1EC8 ; NEVER       # LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND ACUT
1EC9      ; ALWAYS      # LATIN SMALL LETTER I WITH HOOK ABOVE
1ECA      ; NEVER       # LATIN CAPITAL LETTER I WITH DOT BELOW
1ECB      ; ALWAYS      # LATIN SMALL LETTER I WITH DOT BELOW
1ECC      ; NEVER       # LATIN CAPITAL LETTER O WITH DOT BELOW
1ECD      ; ALWAYS      # LATIN SMALL LETTER O WITH DOT BELOW
1ECE      ; NEVER       # LATIN CAPITAL LETTER O WITH HOOK ABOVE
1ECF      ; ALWAYS      # LATIN SMALL LETTER O WITH HOOK ABOVE
1ED0..1EE4 ; NEVER       # LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND ACUT
1EE5      ; ALWAYS      # LATIN SMALL LETTER U WITH DOT BELOW
1EE6      ; NEVER       # LATIN CAPITAL LETTER U WITH HOOK ABOVE
1EE7      ; ALWAYS      # LATIN SMALL LETTER U WITH HOOK ABOVE
1EE8..1EF2 ; NEVER       # LATIN CAPITAL LETTER U WITH HORN AND ACUTE..LAT
1EF3      ; ALWAYS      # LATIN SMALL LETTER Y WITH GRAVE
1EF4      ; NEVER       # LATIN CAPITAL LETTER Y WITH DOT BELOW
1EF5      ; ALWAYS      # LATIN SMALL LETTER Y WITH DOT BELOW
1EF6      ; NEVER       # LATIN CAPITAL LETTER Y WITH HOOK ABOVE
1EF7      ; ALWAYS      # LATIN SMALL LETTER Y WITH HOOK ABOVE
1EF8      ; NEVER       # LATIN CAPITAL LETTER Y WITH TILDE
1EF9      ; ALWAYS      # LATIN SMALL LETTER Y WITH TILDE
1EFA..1EFF ; UNASSIGNED# <reserved>..<reserved>
1F00..1F01 ; ALWAYS      # GREEK SMALL LETTER ALPHA WITH PSILI..GREEK SMAL
1F02..1F0F ; NEVER       # GREEK SMALL LETTER ALPHA WITH PSILI AND VARIA..
1F10..1F11 ; ALWAYS      # GREEK SMALL LETTER EPSILON WITH PSILI..GREEK SM
1F12..1F15 ; NEVER       # GREEK SMALL LETTER EPSILON WITH PSILI AND VARIA
1F16..1F17 ; UNASSIGNED# <reserved>..<reserved>
1F18..1F1D ; NEVER       # GREEK CAPITAL LETTER EPSILON WITH PSILI..GREEK
1F1E..1F1F ; UNASSIGNED# <reserved>..<reserved>
1F20..1F21 ; ALWAYS      # GREEK SMALL LETTER ETA WITH PSILI..GREEK SMALL
1F22..1F2F ; NEVER       # GREEK SMALL LETTER ETA WITH PSILI AND VARIA..GR
1F30..1F31 ; ALWAYS      # GREEK SMALL LETTER IOTA WITH PSILI..GREEK SMALL
1F32..1F3F ; NEVER       # GREEK SMALL LETTER IOTA WITH PSILI AND VARIA..G
1F40..1F41 ; ALWAYS      # GREEK SMALL LETTER OMICRON WITH PSILI..GREEK SM
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1F42..1F45 ; NEVER # GREEK SMALL LETTER OMICRON WITH PSILI AND VARIA  
1F46..1F47 ; UNASSIGNED# <reserved>..  
1F48..1F4D ; NEVER # GREEK CAPITAL LETTER OMICRON WITH PSILI..GREEK  
1F4E..1F4F ; UNASSIGNED# <reserved>..  
1F50 ; NEVER # GREEK SMALL LETTER UPSILON WITH PSILI  
1F51 ; ALWAYS # GREEK SMALL LETTER UPSILON WITH DASIA  
1F52..1F57 ; NEVER # GREEK SMALL LETTER UPSILON WITH PSILI AND VARIA  
1F58 ; UNASSIGNED# <reserved>  
1F59 ; NEVER # GREEK CAPITAL LETTER UPSILON WITH DASIA  
1F5A ; UNASSIGNED# <reserved>  
1F5B ; NEVER # GREEK CAPITAL LETTER UPSILON WITH DASIA AND VAR  
1F5C ; UNASSIGNED# <reserved>  
1F5D ; NEVER # GREEK CAPITAL LETTER UPSILON WITH DASIA AND OXI  
1F5E ; UNASSIGNED# <reserved>  
1F5F ; NEVER # GREEK CAPITAL LETTER UPSILON WITH DASIA AND PER  
1F60..1F61 ; ALWAYS # GREEK SMALL LETTER OMEGA WITH PSILI..GREEK SMAL  
1F62..1F6F ; NEVER # GREEK SMALL LETTER OMEGA WITH PSILI AND VARIA..  
1F70 ; ALWAYS # GREEK SMALL LETTER ALPHA WITH VARIA  
1F71 ; NEVER # GREEK SMALL LETTER ALPHA WITH OXIA  
1F72 ; ALWAYS # GREEK SMALL LETTER EPSILON WITH VARIA  
1F73 ; NEVER # GREEK SMALL LETTER EPSILON WITH OXIA  
1F74 ; ALWAYS # GREEK SMALL LETTER ETA WITH VARIA  
1F75 ; NEVER # GREEK SMALL LETTER ETA WITH OXIA  
1F76 ; ALWAYS # GREEK SMALL LETTER IOTA WITH VARIA  
1F77 ; NEVER # GREEK SMALL LETTER IOTA WITH OXIA  
1F78 ; ALWAYS # GREEK SMALL LETTER OMICRON WITH VARIA  
1F79 ; NEVER # GREEK SMALL LETTER OMICRON WITH OXIA  
1F7A ; ALWAYS # GREEK SMALL LETTER UPSILON WITH VARIA  
1F7B ; NEVER # GREEK SMALL LETTER UPSILON WITH OXIA  
1F7C ; ALWAYS # GREEK SMALL LETTER OMEGA WITH VARIA  
1F7D ; NEVER # GREEK SMALL LETTER OMEGA WITH OXIA  
1F7E..1F7F ; UNASSIGNED# <reserved>..  
1F80..1FAF ; NEVER # GREEK SMALL LETTER ALPHA WITH PSILI AND YPOGEGR  
1FB0..1FB1 ; ALWAYS # GREEK SMALL LETTER ALPHA WITH VRACHY..GREEK SMA  
1FB2..1FB4 ; NEVER # GREEK SMALL LETTER ALPHA WITH VARIA AND YPOGEGR  
1FB5 ; UNASSIGNED# <reserved>  
1FB6..1FC4 ; NEVER # GREEK SMALL LETTER ALPHA WITH PERISPOMENI..GREE  
1FC5 ; UNASSIGNED# <reserved>  
1FC6..1FCF ; NEVER # GREEK SMALL LETTER ETA WITH PERISPOMENI..GREEK  
1FD0..1FD1 ; ALWAYS # GREEK SMALL LETTER IOTA WITH VRACHY..GREEK SMAL  
1FD2..1FD3 ; NEVER # GREEK SMALL LETTER IOTA WITH DIALYTIKA AND VARI  
1FD4..1FD5 ; UNASSIGNED# <reserved>..  
1FD6..1FDB ; NEVER # GREEK SMALL LETTER IOTA WITH PERISPOMENI..GREEK  
1FDC ; UNASSIGNED# <reserved>  
1FDD..1FDF ; NEVER # GREEK DASIA AND VARIA..GREEK DASIA AND PERISPOM  
1FE0..1FE1 ; ALWAYS # GREEK SMALL LETTER UPSILON WITH VRACHY..GREEK S  
1FE2..1FE4 ; NEVER # GREEK SMALL LETTER UPSILON WITH DIALYTIKA AND V  
1FE5 ; ALWAYS # GREEK SMALL LETTER RHO WITH DASIA





1FE6..1FEF ; NEVER # GREEK SMALL LETTER UPSILON WITH PERISPOMENI..GR  
1FF0..1FF1 ; UNASSIGNED# <reserved>..  
1FF2..1FF4 ; NEVER # GREEK SMALL LETTER OMEGA WITH VARIA AND YPOGEGR  
1FF5 ; UNASSIGNED# <reserved>  
1FF6..1FFE ; NEVER # GREEK SMALL LETTER OMEGA WITH PERISPOMENI..GREE  
1FFF ; UNASSIGNED# <reserved>  
2000..200A ; NEVER # EN QUAD..HAIR SPACE  
200B..200F ; CONTEXT # ZERO WIDTH SPACE..RIGHT-TO-LEFT MARK  
2010..2029 ; NEVER # HYPHEN..PARAGRAPH SEPARATOR  
202A..202E ; CONTEXT # LEFT-TO-RIGHT EMBEDDING..RIGHT-TO-LEFT OVERRIDE  
202F..205F ; NEVER # NARROW NO-BREAK SPACE..MEDIUM MATHEMATICAL SPAC  
2060..2063 ; CONTEXT # WORD JOINER..INVISIBLE SEPARATOR  
2064..2069 ; UNASSIGNED# <reserved>..  
206A..206F ; CONTEXT # INHIBIT SYMMETRIC SWAPPING..NOMINAL DIGIT SHAPE  
2070..2071 ; NEVER # SUPERSCRIPT ZERO..SUPERSCRIPT LATIN SMALL LETTE  
2072..2073 ; UNASSIGNED# <reserved>..  
2074..208E ; NEVER # SUPERSCRIPT FOUR..SUBSCRIPT RIGHT PARENTHESIS  
208F ; UNASSIGNED# <reserved>  
2090..2094 ; NEVER # LATIN SUBSCRIPT SMALL LETTER A..LATIN SUBSCRIPT  
2095..209F ; UNASSIGNED# <reserved>..  
20A0..20B5 ; NEVER # EURO-CURRENCY SIGN..CEDI SIGN  
20B6..20CF ; UNASSIGNED# <reserved>..  
20D0..20EF ; NEVER # COMBINING LEFT HARPOON ABOVE..COMBINING RIGHT A  
20F0..20FF ; UNASSIGNED# <reserved>..  
2100..214D ; NEVER # ACCOUNT OF..AKTIESELSKAB  
214E ; ALWAYS # TURNED SMALL F  
214F..2152 ; UNASSIGNED# <reserved>..  
2153..2183 ; NEVER # VULGAR FRACTION ONE THIRD..ROMAN NUMERAL REVERS  
[2184](#) ; **ALWAYS** # LATIN SMALL LETTER REVERSED C  
2185..218F ; UNASSIGNED# <reserved>..  
2190..23E7 ; NEVER # LEFTWARDS ARROW..ELECTRICAL INTER[SECTION](#)  
[23E8](#)..23FF ; UNASSIGNED# <reserved>..  
2400..2426 ; NEVER # SYMBOL FOR NULL..SYMBOL FOR SUBSTITUTE FORM TWO  
2427..243F ; UNASSIGNED# <reserved>..  
2440..244A ; NEVER # OCR HOOK..OCR DOUBLE BACKSLASH  
244B..245F ; UNASSIGNED# <reserved>..  
2460..269C ; NEVER # CIRCLED DIGIT ONE..FLEUR-DE-LIS  
269D..269F ; UNASSIGNED# <reserved>..  
26A0..26B2 ; NEVER # WARNING SIGN..NEUTER  
26B3..2700 ; UNASSIGNED# <reserved>..  
2701..2704 ; NEVER # UPPER BLADE SCISSORS..WHITE SCISSORS  
[2705](#) ; **UNASSIGNED# <reserved>**  
2706..2709 ; NEVER # TELEPHONE LOCATION SIGN..ENVELOPE  
270A..270B ; UNASSIGNED# <reserved>..  
270C..2727 ; NEVER # VICTORY HAND..WHITE FOUR POINTED STAR  
[2728](#) ; **UNASSIGNED# <reserved>**  
2729..274B ; NEVER # STRESS OUTLINED WHITE STAR..HEAVY EIGHT TEARDRO  
274C ; UNASSIGNED# <reserved>



274D ; NEVER # SHADOWED WHITE CIRCLE  
274E ; UNASSIGNED# <reserved>  
274F..2752 ; NEVER # LOWER RIGHT DROP-SHADOWED WHITE SQUARE..UPPER R  
2753..2755 ; UNASSIGNED# <reserved>..  
[2756](#) ; **NEVER** # BLACK DIAMOND MINUS WHITE X  
[2757](#) ; **UNASSIGNED#** <reserved>  
2758..275E ; NEVER # LIGHT VERTICAL BAR..HEAVY DOUBLE COMMA QUOTATIO  
275F..2760 ; UNASSIGNED# <reserved>..  
2761..2794 ; NEVER # CURVED STEM PARAGRAPH SIGN ORNAMENT..HEAVY WIDE  
2795..2797 ; UNASSIGNED# <reserved>..  
2798..27AF ; NEVER # HEAVY SOUTH EAST ARROW..NOTCHED LOWER RIGHT-SHA  
27B0 ; UNASSIGNED# <reserved>  
27B1..27BE ; NEVER # NOTCHED UPPER RIGHT-SHADOWED WHITE RIGHTWARDS A  
27BF ; UNASSIGNED# <reserved>  
27C0..27CA ; NEVER # THREE DIMENSIONAL ANGLE..VERTICAL BAR WITH HORI  
27CB..27CF ; UNASSIGNED# <reserved>..  
27D0..27EB ; NEVER # WHITE DIAMOND WITH CENTRED DOT..MATHEMATICAL RI  
27EC..27EF ; UNASSIGNED# <reserved>..  
27F0..2B1A ; NEVER # UPWARDS QUADRUPLE ARROW..DOTTED SQUARE  
2B1B..2B1F ; UNASSIGNED# <reserved>..  
2B20..2B23 ; NEVER # WHITE PENTAGON..HORIZONTAL BLACK HEXAGON  
2B24..2BFF ; UNASSIGNED# <reserved>..  
2C00..2C2E ; NEVER # GLAGOLITIC CAPITAL LETTER AZU..GLAGOLITIC CAPIT  
2C2F ; UNASSIGNED# <reserved>  
2C30..2C5E ; NEVER # GLAGOLITIC SMALL LETTER AZU..GLAGOLITIC SMALL L  
2C5F ; UNASSIGNED# <reserved>  
2C60 ; NEVER # LATIN CAPITAL LETTER L WITH DOUBLE BAR  
2C61 ; ALWAYS # LATIN SMALL LETTER L WITH DOUBLE BAR  
2C62..2C64 ; NEVER # LATIN CAPITAL LETTER L WITH MIDDLE TILDE..LATIN  
2C65..2C66 ; ALWAYS # LATIN SMALL LETTER A WITH STROKE..LATIN SMALL L  
2C67 ; NEVER # LATIN CAPITAL LETTER H WITH DESCENDER  
2C68 ; ALWAYS # LATIN SMALL LETTER H WITH DESCENDER  
2C69 ; NEVER # LATIN CAPITAL LETTER K WITH DESCENDER  
2C6A ; ALWAYS # LATIN SMALL LETTER K WITH DESCENDER  
2C6B ; NEVER # LATIN CAPITAL LETTER Z WITH DESCENDER  
2C6C ; ALWAYS # LATIN SMALL LETTER Z WITH DESCENDER  
2C6D..2C73 ; UNASSIGNED# <reserved>..  
2C74 ; ALWAYS # LATIN SMALL LETTER V WITH CURL  
2C75 ; NEVER # LATIN CAPITAL LETTER HALF H  
2C76..2C77 ; ALWAYS # LATIN SMALL LETTER HALF H..LATIN SMALL LETTER T  
2C78..2C7F ; UNASSIGNED# <reserved>..  
2C80 ; NEVER # COPTIC CAPITAL LETTER ALFA  
2C81 ; MAYBE YES # COPTIC SMALL LETTER ALFA  
2C82 ; NEVER # COPTIC CAPITAL LETTER VIDA  
2C83 ; MAYBE YES # COPTIC SMALL LETTER VIDA  
2C84 ; NEVER # COPTIC CAPITAL LETTER GAMMA  
2C85 ; MAYBE YES # COPTIC SMALL LETTER GAMMA  
2C86 ; NEVER # COPTIC CAPITAL LETTER DALDA



2C87	; MAYBE YES # COPTIC SMALL LETTER DALDA
2C88	; NEVER # COPTIC CAPITAL LETTER EIE
2C89	; MAYBE YES # COPTIC SMALL LETTER EIE
2C8A	; NEVER # COPTIC CAPITAL LETTER SOU
2C8B	; MAYBE YES # COPTIC SMALL LETTER SOU
2C8C	; NEVER # COPTIC CAPITAL LETTER ZATA
2C8D	; MAYBE YES # COPTIC SMALL LETTER ZATA
2C8E	; NEVER # COPTIC CAPITAL LETTER HATE
2C8F	; MAYBE YES # COPTIC SMALL LETTER HATE
2C90	; NEVER # COPTIC CAPITAL LETTER THETHE
2C91	; MAYBE YES # COPTIC SMALL LETTER THETHE
2C92	; NEVER # COPTIC CAPITAL LETTER IAUDA
2C93	; MAYBE YES # COPTIC SMALL LETTER IAUDA
2C94	; NEVER # COPTIC CAPITAL LETTER KAPA
2C95	; MAYBE YES # COPTIC SMALL LETTER KAPA
2C96	; NEVER # COPTIC CAPITAL LETTER LAULA
2C97	; MAYBE YES # COPTIC SMALL LETTER LAULA
2C98	; NEVER # COPTIC CAPITAL LETTER MI
2C99	; MAYBE YES # COPTIC SMALL LETTER MI
2C9A	; NEVER # COPTIC CAPITAL LETTER NI
2C9B	; MAYBE YES # COPTIC SMALL LETTER NI
2C9C	; NEVER # COPTIC CAPITAL LETTER KSI
2C9D	; MAYBE YES # COPTIC SMALL LETTER KSI
2C9E	; NEVER # COPTIC CAPITAL LETTER O
2C9F	; MAYBE YES # COPTIC SMALL LETTER O
2CA0	; NEVER # COPTIC CAPITAL LETTER PI
2CA1	; MAYBE YES # COPTIC SMALL LETTER PI
2CA2	; NEVER # COPTIC CAPITAL LETTER RO
2CA3	; MAYBE YES # COPTIC SMALL LETTER RO
2CA4	; NEVER # COPTIC CAPITAL LETTER SIMA
2CA5	; MAYBE YES # COPTIC SMALL LETTER SIMA
2CA6	; NEVER # COPTIC CAPITAL LETTER TAU
2CA7	; MAYBE YES # COPTIC SMALL LETTER TAU
2CA8	; NEVER # COPTIC CAPITAL LETTER UA
2CA9	; MAYBE YES # COPTIC SMALL LETTER UA
2CAA	; NEVER # COPTIC CAPITAL LETTER FI
2CAB	; MAYBE YES # COPTIC SMALL LETTER FI
2CAC	; NEVER # COPTIC CAPITAL LETTER KHI
2CAD	; MAYBE YES # COPTIC SMALL LETTER KHI
2CAE	; NEVER # COPTIC CAPITAL LETTER PSI
2CAF	; MAYBE YES # COPTIC SMALL LETTER PSI
2CB0	; NEVER # COPTIC CAPITAL LETTER OOU
2CB1	; MAYBE YES # COPTIC SMALL LETTER OOU
2CB2	; NEVER # COPTIC CAPITAL LETTER DIALECT-P ALEF
2CB3	; MAYBE YES # COPTIC SMALL LETTER DIALECT-P ALEF
2CB4	; NEVER # COPTIC CAPITAL LETTER OLD COPTIC AIN
2CB5	; MAYBE YES # COPTIC SMALL LETTER OLD COPTIC AIN
2CB6	; NEVER # COPTIC CAPITAL LETTER CRYPTOGRAMMIC EIE



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2CB7      ; MAYBE YES # COPTIC SMALL LETTER CRYPTOGRAMMIC EIE
2CB8      ; NEVER      # COPTIC CAPITAL LETTER DIALECT-P KAPA
2CB9      ; MAYBE YES # COPTIC SMALL LETTER DIALECT-P KAPA
2CBA      ; NEVER      # COPTIC CAPITAL LETTER DIALECT-P NI
2CBB      ; MAYBE YES # COPTIC SMALL LETTER DIALECT-P NI
2CBC      ; NEVER      # COPTIC CAPITAL LETTER CRYPTOGRAMMIC NI
2CBD      ; MAYBE YES # COPTIC SMALL LETTER CRYPTOGRAMMIC NI
2CBE      ; NEVER      # COPTIC CAPITAL LETTER OLD COPTIC OOU
2CBF      ; MAYBE YES # COPTIC SMALL LETTER OLD COPTIC OOU
2CC0      ; NEVER      # COPTIC CAPITAL LETTER SAMPI
2CC1      ; MAYBE YES # COPTIC SMALL LETTER SAMPI
2CC2      ; NEVER      # COPTIC CAPITAL LETTER CROSSED SHEI
2CC3      ; MAYBE YES # COPTIC SMALL LETTER CROSSED SHEI
2CC4      ; NEVER      # COPTIC CAPITAL LETTER OLD COPTIC SHEI
2CC5      ; MAYBE YES # COPTIC SMALL LETTER OLD COPTIC SHEI
2CC6      ; NEVER      # COPTIC CAPITAL LETTER OLD COPTIC ESH
2CC7      ; MAYBE YES # COPTIC SMALL LETTER OLD COPTIC ESH
2CC8      ; NEVER      # COPTIC CAPITAL LETTER AKHMIMIC KHEI
2CC9      ; MAYBE YES # COPTIC SMALL LETTER AKHMIMIC KHEI
2CCA      ; NEVER      # COPTIC CAPITAL LETTER DIALECT-P HORI
2CCB      ; MAYBE YES # COPTIC SMALL LETTER DIALECT-P HORI
2CCC      ; NEVER      # COPTIC CAPITAL LETTER OLD COPTIC HORI
2CCD      ; MAYBE YES # COPTIC SMALL LETTER OLD COPTIC HORI
2CCE      ; NEVER      # COPTIC CAPITAL LETTER OLD COPTIC HA
2CCF      ; MAYBE YES # COPTIC SMALL LETTER OLD COPTIC HA
2CD0      ; NEVER      # COPTIC CAPITAL LETTER L-SHAPED HA
2CD1      ; MAYBE YES # COPTIC SMALL LETTER L-SHAPED HA
2CD2      ; NEVER      # COPTIC CAPITAL LETTER OLD COPTIC HEI
2CD3      ; MAYBE YES # COPTIC SMALL LETTER OLD COPTIC HEI
2CD4      ; NEVER      # COPTIC CAPITAL LETTER OLD COPTIC HAT
2CD5      ; MAYBE YES # COPTIC SMALL LETTER OLD COPTIC HAT
2CD6      ; NEVER      # COPTIC CAPITAL LETTER OLD COPTIC GANGIA
2CD7      ; MAYBE YES # COPTIC SMALL LETTER OLD COPTIC GANGIA
2CD8      ; NEVER      # COPTIC CAPITAL LETTER OLD COPTIC DJA
2CD9      ; MAYBE YES # COPTIC SMALL LETTER OLD COPTIC DJA
2CDA      ; NEVER      # COPTIC CAPITAL LETTER OLD COPTIC SHIMA
2CDB      ; MAYBE YES # COPTIC SMALL LETTER OLD COPTIC SHIMA
2CDC      ; NEVER      # COPTIC CAPITAL LETTER OLD NUBIAN SHIMA
2CDD      ; MAYBE YES # COPTIC SMALL LETTER OLD NUBIAN SHIMA
2CDE      ; NEVER      # COPTIC CAPITAL LETTER OLD NUBIAN NGI
2CDF      ; MAYBE YES # COPTIC SMALL LETTER OLD NUBIAN NGI
2CE0      ; NEVER      # COPTIC CAPITAL LETTER OLD NUBIAN NYI
2CE1      ; MAYBE YES # COPTIC SMALL LETTER OLD NUBIAN NYI
2CE2      ; NEVER      # COPTIC CAPITAL LETTER OLD NUBIAN WAU
2CE3..2CE4 ; MAYBE YES # COPTIC SMALL LETTER OLD NUBIAN WAU..COPTIC SYMB
2CE5..2CEA ; NEVER      # COPTIC SYMBOL MI RO..COPTIC SYMBOL SHIMA SIMA
2CEB..2CF8 ; UNASSIGNED# <reserved>..<reserved>
2CF9..2CFF ; NEVER      # COPTIC OLD NUBIAN FULL STOP..COPTIC MORPHOLOGIC

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2D00..2D25 ; MAYBE YES # GEORGIAN SMALL LETTER AN..GEORGIAN SMALL LETTER  
2D26..2D2F ; UNASSIGNED# <reserved>..  
2D30..2D65 ; MAYBE YES # TIFINAGH LETTER YA..TIFINAGH LETTER YAZZ  
2D66..2D6E ; UNASSIGNED# <reserved>..  
2D6F ; NEVER # TIFINAGH MODIFIER LETTER LABIALIZATION MARK  
2D70..2D7F ; UNASSIGNED# <reserved>..  
2D80..2D96 ; MAYBE YES # ETHIOPIC SYLLABLE LOA..ETHIOPIC SYLLABLE GGWE  
2D97..2D9F ; UNASSIGNED# <reserved>..  
2DA0..2DA6 ; MAYBE YES # ETHIOPIC SYLLABLE SSA..ETHIOPIC SYLLABLE SSO  
2DA7 ; UNASSIGNED# <reserved>  
2DA8..2DAE ; MAYBE YES # ETHIOPIC SYLLABLE CCA..ETHIOPIC SYLLABLE CCO  
2DAF ; UNASSIGNED# <reserved>  
2DB0..2DB6 ; MAYBE YES # ETHIOPIC SYLLABLE ZZA..ETHIOPIC SYLLABLE ZZO  
2DB7 ; UNASSIGNED# <reserved>  
2DB8..2DBE ; MAYBE YES # ETHIOPIC SYLLABLE CCHA..ETHIOPIC SYLLABLE CCHO  
2DBF ; UNASSIGNED# <reserved>  
2DC0..2DC6 ; MAYBE YES # ETHIOPIC SYLLABLE QYA..ETHIOPIC SYLLABLE QYO  
2DC7 ; UNASSIGNED# <reserved>  
2DC8..2DCE ; MAYBE YES # ETHIOPIC SYLLABLE KYA..ETHIOPIC SYLLABLE KYO  
2DCF ; UNASSIGNED# <reserved>  
2DD0..2DD6 ; MAYBE YES # ETHIOPIC SYLLABLE XYA..ETHIOPIC SYLLABLE XYO  
2DD7 ; UNASSIGNED# <reserved>  
2DD8..2DDE ; MAYBE YES # ETHIOPIC SYLLABLE GYA..ETHIOPIC SYLLABLE GYO  
2DDF..2DFF ; UNASSIGNED# <reserved>..  
2E00..2E17 ; NEVER # RIGHT ANGLE SUBSTITUTION MARKER..DOUBLE OBLIQUE  
2E18..2E1B ; UNASSIGNED# <reserved>..  
2E1C..2E1D ; NEVER # LEFT LOW PARAPHRASE BRACKET..RIGHT LOW PARAPHRA  
2E1E..2E7F ; UNASSIGNED# <reserved>..  
2E80..2E99 ; MAYBE YES # CJK RADICAL REPEAT..CJK RADICAL RAP  
2E9A ; UNASSIGNED# <reserved>  
2E9B..2E9E ; MAYBE YES # CJK RADICAL CHOKE..CJK RADICAL DEATH  
2E9F ; NEVER # CJK RADICAL MOTHER  
2EA0..2EF2 ; MAYBE YES # CJK RADICAL CIVILIAN..CJK RADICAL J-SIMPLIFIED  
2EF3 ; NEVER # CJK RADICAL C-SIMPLIFIED TURTLE  
2EF4..2EFF ; UNASSIGNED# <reserved>..  
2F00..2FD5 ; NEVER # KANGXI RADICAL ONE..KANGXI RADICAL FLUTE  
2FD6..2FEF ; UNASSIGNED# <reserved>..  
2FF0..2FFB ; NEVER # IDEOGRAPHIC DESCRIPTION CHARACTER LEFT TO RIGHT  
2FFC..2FFF ; UNASSIGNED# <reserved>..  
3000..3004 ; NEVER # IDEOGRAPHIC SPACE..JAPANESE INDUSTRIAL STANDARD  
3005..3007 ; MAYBE YES # IDEOGRAPHIC ITERATION MARK..IDEOGRAPHIC NUMBER  
3008..3020 ; NEVER # LEFT ANGLE BRACKET..POSTAL MARK FACE  
3021..302F ; MAYBE YES # HANGZHOU NUMERAL ONE..HANGUL DOUBLE DOT TONE MA  
**3030** ; **NEVER** # WAVY DASH  
3031..3035 ; MAYBE YES # VERTICAL KANA REPEAT MARK..VERTICAL KANA REPEAT  
3036..303A ; NEVER # CIRCLED POSTAL MARK..HANGZHOU NUMERAL THIRTY  
303B..303C ; MAYBE YES # VERTICAL IDEOGRAPHIC ITERATION MARK..MASU MARK  
303D..303F ; NEVER # PART ALTERNATION MARK..IDEOGRAPHIC HALF FILL SP



**3040** ; UNASSIGNED# <reserved>  
3041..3096 ; MAYBE YES # HIRAGANA LETTER SMALL A..HIRAGANA LETTER SMALL  
3097..3098 ; UNASSIGNED# <reserved>..  
3099..309A ; MAYBE YES # COMBINING KATAKANA-HIRAGANA VOICED SOUND MARK..  
309B..309C ; NEVER # KATAKANA-HIRAGANA VOICED SOUND MARK..  
309D..309E ; MAYBE YES # HIRAGANA ITERATION MARK..  
309F..30A0 ; NEVER # HIRAGANA DIGRAPH YORI..  
30A1..30FE ; MAYBE YES # KATAKANA LETTER SMALL A..  
30FF ; NEVER # KATAKANA DIGRAPH KOTO  
3100..3104 ; UNASSIGNED# <reserved>..  
3105..312C ; MAYBE YES # BOPOMOFO LETTER B..  
312D..3130 ; UNASSIGNED# <reserved>..  
3131..318E ; NEVER # HANGUL LETTER KIYEOK..  
318F ; UNASSIGNED# <reserved>  
3190..319F ; NEVER # IDEOGRAPHIC ANNOTATION LINKING MARK..  
31A0..31B7 ; MAYBE YES # BOPOMOFO LETTER BU..  
31B8..31BF ; UNASSIGNED# <reserved>..  
31C0..31CF ; NEVER # CJK STROKE T..  
31D0..31EF ; UNASSIGNED# <reserved>..  
31F0..31FF ; MAYBE YES # KATAKANA LETTER SMALL KU..  
3200..321E ; NEVER # PARENTHESES HANGUL KIYEOK..  
321F ; UNASSIGNED# <reserved>  
3220..3243 ; NEVER # PARENTHESES IDEOGRAPH ONE..  
3244..324F ; UNASSIGNED# <reserved>..  
3250..32FE ; NEVER # PARTNERSHIP SIGN..  
32FF ; UNASSIGNED# <reserved>  
3300..33FF ; NEVER # SQUARE APAATO..  
3400..4DB5 ; MAYBE YES # <CJK Ideograph Extension A>..  
4DB6..4DBF ; UNASSIGNED# <reserved>..  
4DC0..4DFF ; NEVER # HEXAGRAM FOR THE CREATIVE HEAVEN..  
4E00..9FBB ; MAYBE YES # <CJK Ideograph>..  
9FBC..9FFF ; UNASSIGNED# <reserved>..  
A000..A48C ; MAYBE YES # YI SYLLABLE IT..  
A48D..A48F ; UNASSIGNED# <reserved>..  
A490..A4C6 ; NEVER # YI RADICAL QOT..  
A4C7..A6FF ; UNASSIGNED# <reserved>..  
A700..A716 ; NEVER # MODIFIER LETTER CHINESE TONE YIN PING..  
A717..A71A ; MAYBE YES # MODIFIER LETTER DOT VERTICAL BAR..  
A71B..A71F ; UNASSIGNED# <reserved>..  
A720..A721 ; NEVER # MODIFIER LETTER STRESS AND HIGH TONE..  
A722..A7FF ; UNASSIGNED# <reserved>..  
A800..A827 ; MAYBE YES # SYLOTI NAGRI LETTER A..  
A828..A82B ; NEVER # SYLOTI NAGRI POETRY MARK-1..  
A82C..A83F ; UNASSIGNED# <reserved>..  
A840..A877 ; NEVER # PHAGS-PA LETTER KA..  
A878..ABFF ; UNASSIGNED# <reserved>..  
AC00..D7A3 ; MAYBE YES # <Hangul Syllable>..  
D7A4..D7FF ; UNASSIGNED# <reserved>..



D800..FA0D ; NEVER # <Non Private Use High Surrogate>..CJK COM  
 FA0E..FA0F ; MAYBE YES # CJK COMPATIBILITY IDEOGRAPH-FA0E..CJK COMPATIBI  
 FA10 ; NEVER # CJK COMPATIBILITY IDEOGRAPH-FA10  
 FA11 ; MAYBE YES # CJK COMPATIBILITY IDEOGRAPH-FA11  
 FA12 ; NEVER # CJK COMPATIBILITY IDEOGRAPH-FA12  
 FA13..FA14 ; MAYBE YES # CJK COMPATIBILITY IDEOGRAPH-FA13..CJK COMPATIBI  
 FA15..FA1E ; NEVER # CJK COMPATIBILITY IDEOGRAPH-FA15..CJK COMPATIBI  
 FA1F ; MAYBE YES # CJK COMPATIBILITY IDEOGRAPH-FA1F  
 FA20 ; NEVER # CJK COMPATIBILITY IDEOGRAPH-FA20  
 FA21 ; MAYBE YES # CJK COMPATIBILITY IDEOGRAPH-FA21  
 FA22 ; NEVER # CJK COMPATIBILITY IDEOGRAPH-FA22  
 FA23..FA24 ; MAYBE YES # CJK COMPATIBILITY IDEOGRAPH-FA23..CJK COMPATIBI  
 FA25..FA26 ; NEVER # CJK COMPATIBILITY IDEOGRAPH-FA25..CJK COMPATIBI  
 FA27..FA29 ; MAYBE YES # CJK COMPATIBILITY IDEOGRAPH-FA27..CJK COMPATIBI  
 FA2A..FA2D ; NEVER # CJK COMPATIBILITY IDEOGRAPH-FA2A..CJK COMPATIBI  
 FA2E..FA2F ; UNASSIGNED# <reserved>..<reserved>  
 FA30..FA6A ; NEVER # CJK COMPATIBILITY IDEOGRAPH-FA30..CJK COMPATIBI  
 FA6B..FA6F ; UNASSIGNED# <reserved>..<reserved>  
 FA70..FAD9 ; NEVER # CJK COMPATIBILITY IDEOGRAPH-FA70..CJK COMPATIBI  
 FADA..FAFF ; UNASSIGNED# <reserved>..<reserved>  
 FB00..FB06 ; NEVER # LATIN SMALL LIGATURE FF..LATIN SMALL LIGATURE S  
 FB07..FB12 ; UNASSIGNED# <reserved>..<reserved>  
 FB13..FB17 ; NEVER # ARMENIAN SMALL LIGATURE MEN NOW..ARMENIAN SMALL  
 FB18..FB1C ; UNASSIGNED# <reserved>..<reserved>  
 FB1D ; NEVER # HEBREW LETTER YOD WITH HIRIQ  
 FB1E ; MAYBE YES # HEBREW POINT JUDEO-SPANISH VARIKA  
 FB1F..FB36 ; NEVER # HEBREW LIGATURE YIDDISH YOD YOD PATAH..HEBREW L  
 FB37 ; UNASSIGNED# <reserved>  
 FB38..FB3C ; NEVER # HEBREW LETTER TET WITH DAGESH..HEBREW LETTER LA  
 FB3D ; UNASSIGNED# <reserved>  
 FB3E ; NEVER # HEBREW LETTER MEM WITH DAGESH  
 FB3F ; UNASSIGNED# <reserved>  
 FB40..FB41 ; NEVER # HEBREW LETTER NUN WITH DAGESH..HEBREW LETTER SA  
 FB42 ; UNASSIGNED# <reserved>  
 FB43..FB44 ; NEVER # HEBREW LETTER FINAL PE WITH DAGESH..HEBREW LETT  
 FB45 ; UNASSIGNED# <reserved>  
 FB46..FBB1 ; NEVER # HEBREW LETTER TSADI WITH DAGESH..ARABIC LETTER  
 FBB2..FBD2 ; UNASSIGNED# <reserved>..<reserved>  
 FBD3..FC5A ; NEVER # ARABIC LETTER NG ISOLATED FORM..ARABIC LIGATURE  
 FC5B..FC5C ; MAYBE YES # ARABIC LIGATURE THAL WITH SUPERScript ALEF ISOL  
 FC5D ; NEVER # ARABIC LIGATURE ALEF MAKSURA WITH SUPERScript A  
 FC5E..FC63 ; MAYBE YES # ARABIC LIGATURE SHADDA WITH DAMMATAN ISOLATED F  
 FC64..FC8F ; NEVER # ARABIC LIGATURE YEH WITH HAMZA ABOVE WITH REH F  
 FC90 ; MAYBE YES # ARABIC LIGATURE ALEF MAKSURA WITH SUPERScript A  
 FC91..FCD8 ; NEVER # ARABIC LIGATURE YEH WITH REH FINAL FORM..ARABIC  
 FCD9 ; MAYBE YES # ARABIC LIGATURE HEH WITH SUPERScript ALEF INITI  
 FCDA..FCF1 ; NEVER # ARABIC LIGATURE YEH WITH JEEM INITIAL FORM..ARA  
 FCF2..FCF4 ; MAYBE YES # ARABIC LIGATURE SHADDA WITH FATHA MEDIAL FORM..



FCF5..FD3C ; NEVER # ARABIC LIGATURE TAH WITH ALEF MAKSURA ISOLATED  
FD3D ; MAYBE YES # ARABIC LIGATURE ALEF WITH FATHATAN ISOLATED FOR  
FD3E..FD3F ; NEVER # ORNATE LEFT PARENTHESIS..ORNATE RIGHT PARENTHES  
FD40..FD4F ; UNASSIGNED# <reserved>..<reserved>  
FD50..FD8F ; NEVER # ARABIC LIGATURE TEH WITH JEEM WITH MEEM INITIAL  
FD90..FD91 ; UNASSIGNED# <reserved>..<reserved>  
FD92..FDC7 ; NEVER # ARABIC LIGATURE MEEM WITH JEEM WITH KHAH INITIA  
FDC8..FDEF ; UNASSIGNED# <reserved>..<reserved>  
FDF0..FDFD ; NEVER # ARABIC LIGATURE SALLA USED AS KORANIC STOP SIGN  
FDFE..FDFF ; UNASSIGNED# <reserved>..<reserved>  
FE00..FE0F ; MAYBE YES # VARIATION SELECTOR-1..VARIATION SELECTOR-16  
FE10..FE19 ; NEVER # PRESENTATION FORM FOR VERTICAL COMMA..PRESENTAT  
FE1A..FE1F ; UNASSIGNED# <reserved>..<reserved>  
FE20..FE23 ; MAYBE YES # COMBINING LIGATURE LEFT HALF..COMBINING DOUBLE  
FE24..FE2F ; UNASSIGNED# <reserved>..<reserved>  
FE30..FE52 ; NEVER # PRESENTATION FORM FOR VERTICAL TWO DOT LEADER..  
FE53 ; UNASSIGNED# <reserved>  
FE54..FE66 ; NEVER # SMALL SEMICOLON..SMALL EQUALS SIGN  
FE67 ; UNASSIGNED# <reserved>  
FE68..FE6B ; NEVER # SMALL REVERSE SOLIDUS..SMALL COMMERCIAL AT  
FE6C..FE6F ; UNASSIGNED# <reserved>..<reserved>  
FE70..FE74 ; MAYBE YES # ARABIC FATHATAN ISOLATED FORM..ARABIC KASRATAN  
FE75 ; UNASSIGNED# <reserved>  
FE76..FE7F ; MAYBE YES # ARABIC FATHA ISOLATED FORM..ARABIC SUKUN MEDIAL  
FE80..FEFC ; NEVER # ARABIC LETTER HAMZA ISOLATED FORM..ARABIC LIGAT  
FEFD..FEFE ; UNASSIGNED# <reserved>..<reserved>  
FEFF ; CONTEXT # ZERO WIDTH NO-BREAK SPACE  
FF00 ; UNASSIGNED# <reserved>  
FF01..FFBE ; NEVER # FULLWIDTH EXCLAMATION MARK..HALFWIDTH HANGUL LE  
FFBF..FFC1 ; UNASSIGNED# <reserved>..<reserved>  
FFC2..FFC7 ; NEVER # HALFWIDTH HANGUL LETTER A..HALFWIDTH HANGUL LET  
FFC8..FFC9 ; UNASSIGNED# <reserved>..<reserved>  
FFCA..FFCF ; NEVER # HALFWIDTH HANGUL LETTER YEO..HALFWIDTH HANGUL L  
FFD0..FFD1 ; UNASSIGNED# <reserved>..<reserved>  
FFD2..FFD7 ; NEVER # HALFWIDTH HANGUL LETTER YO..HALFWIDTH HANGUL LE  
FFD8..FFD9 ; UNASSIGNED# <reserved>..<reserved>  
FFDA..FFDC ; NEVER # HALFWIDTH HANGUL LETTER EU..HALFWIDTH HANGUL LE  
FFDD..FFDF ; UNASSIGNED# <reserved>..<reserved>  
FFE0..FFE6 ; NEVER # FULLWIDTH CENT SIGN..FULLWIDTH WON SIGN  
FFE7 ; UNASSIGNED# <reserved>  
FFE8..FFEE ; NEVER # HALFWIDTH FORMS LIGHT VERTICAL..HALFWIDTH WHITE  
FFEF..FFF8 ; UNASSIGNED# <reserved>..<reserved>  
FFF9..FFFB ; CONTEXT # INTERLINEAR ANNOTATION ANCHOR..INTERLINEAR ANNO  
FFFC..FFFD ; NEVER # OBJECT REPLACEMENT CHARACTER..REPLACEMENT CHARA  
FFFE..FFFF ; UNASSIGNED# <reserved>..<reserved>  
10000..1000B; NEVER # LINEAR B SYLLABLE B008 A..LINEAR B SYLLABLE B0  
1000C ; UNASSIGNED# <reserved>  
1000D..10026; NEVER # LINEAR B SYLLABLE B036 J0..LINEAR B SYLLABLE B





[10027](#) ; UNASSIGNED# <reserved>  
10028..1003A; NEVER # LINEAR B SYLLABLE B060 RA..LINEAR B SYLLABLE B  
1003B ; UNASSIGNED# <reserved>  
1003C..1003D; NEVER # LINEAR B SYLLABLE B017 ZA..LINEAR B SYLLABLE B  
1003E ; UNASSIGNED# <reserved>  
1003F..1004D; NEVER # LINEAR B SYLLABLE B020 ZO..LINEAR B SYLLABLE B  
1004E..1004F; UNASSIGNED# <reserved>..<reserved>  
10050..1005D; NEVER # LINEAR B SYMBOL B018..LINEAR B SYMBOL B089  
1005E..1007F; UNASSIGNED# <reserved>..<reserved>  
10080..100FA; NEVER # LINEAR B IDEOGRAM B100 MAN..LINEAR B IDEOGRAM  
100FB..100FF; UNASSIGNED# <reserved>..<reserved>  
10100..10102; NEVER # AEGEAN WORD SEPARATOR LINE..AEGEAN CHECK MARK  
10103..10106; UNASSIGNED# <reserved>..<reserved>  
10107..10133; NEVER # AEGEAN NUMBER ONE..AEGEAN NUMBER NINETY THOUSA  
10134..10136; UNASSIGNED# <reserved>..<reserved>  
10137..1018A; NEVER # AEGEAN WEIGHT BASE UNIT..GREEK ZERO SIGN  
1018B..102FF; UNASSIGNED# <reserved>..<reserved>  
10300..1031E; NEVER # OLD ITALIC LETTER A..OLD ITALIC LETTER UU  
1031F ; UNASSIGNED# <reserved>  
10320..10323; NEVER # OLD ITALIC NUMERAL ONE..OLD ITALIC NUMERAL FIF  
10324..1032F; UNASSIGNED# <reserved>..<reserved>  
10330..1034A; NEVER # GOTHIC LETTER AHSA..GOTHIC LETTER NINE HUNDRED  
1034B..1037F; UNASSIGNED# <reserved>..<reserved>  
10380..1039D; NEVER # UGARITIC LETTER ALPA..UGARITIC LETTER SSU  
1039E ; UNASSIGNED# <reserved>  
1039F..103C3; NEVER # UGARITIC WORD DIVIDER..OLD PERSIAN SIGN HA  
103C4..103C7; UNASSIGNED# <reserved>..<reserved>  
103C8..103D5; NEVER # OLD PERSIAN SIGN AURAMAZDAA..OLD PERSIAN NUMBE  
103D6..103FF; UNASSIGNED# <reserved>..<reserved>  
10400..1049D; NEVER # DESERET CAPITAL LETTER LONG I..OSMANYA LETTER  
1049E..1049F; UNASSIGNED# <reserved>..<reserved>  
104A0..104A9; NEVER # OSMANYA DIGIT ZERO..OSMANYA DIGIT NINE  
104AA..107FF; UNASSIGNED# <reserved>..<reserved>  
10800..10805; NEVER # CYPRIOT SYLLABLE A..CYPRIOT SYLLABLE JA  
10806..10807; UNASSIGNED# <reserved>..<reserved>  
[10808](#) ; NEVER # CYPRIOT SYLLABLE JO  
[10809](#) ; UNASSIGNED# <reserved>  
1080A..10835; NEVER # CYPRIOT SYLLABLE KA..CYPRIOT SYLLABLE WO  
[10836](#) ; UNASSIGNED# <reserved>  
10837..10838; NEVER # CYPRIOT SYLLABLE XA..CYPRIOT SYLLABLE XE  
10839..1083B; UNASSIGNED# <reserved>..<reserved>  
1083C ; NEVER # CYPRIOT SYLLABLE ZA  
1083D..1083E; UNASSIGNED# <reserved>..<reserved>  
1083F ; NEVER # CYPRIOT SYLLABLE ZO  
10840..108FF; UNASSIGNED# <reserved>..<reserved>  
10900..10919; NEVER # PHOENICIAN LETTER ALF..PHOENICIAN NUMBER ONE H  
1091A..1091E; UNASSIGNED# <reserved>..<reserved>  
1091F ; NEVER # PHOENICIAN WORD SEPARATOR



10920..109FF; UNASSIGNED# <reserved>..<reserved>  
10A00..10A03; NEVER # KHAROSHTHI LETTER A..KHAROSHTHI VOWEL SIGN VOC  
10A04 ; UNASSIGNED# <reserved>  
10A05..10A06; NEVER # KHAROSHTHI VOWEL SIGN E..KHAROSHTHI VOWEL SIGN  
10A07..10A0B; UNASSIGNED# <reserved>..<reserved>  
10A0C..10A13; NEVER # KHAROSHTHI VOWEL LENGTH MARK..KHAROSHTHI LETTE  
10A14 ; UNASSIGNED# <reserved>  
10A15..10A17; NEVER # KHAROSHTHI LETTER CA..KHAROSHTHI LETTER JA  
10A18 ; UNASSIGNED# <reserved>  
10A19..10A33; NEVER # KHAROSHTHI LETTER NYA..KHAROSHTHI LETTER TTTHA  
10A34..10A37; UNASSIGNED# <reserved>..<reserved>  
10A38..10A3A; NEVER # KHAROSHTHI SIGN BAR ABOVE..KHAROSHTHI SIGN DOT  
10A3B..10A3E; UNASSIGNED# <reserved>..<reserved>  
10A3F..10A47; NEVER # KHAROSHTHI VIRAMA..KHAROSHTHI NUMBER ONE THOUS  
10A48..10A4F; UNASSIGNED# <reserved>..<reserved>  
10A50..10A58; NEVER # KHAROSHTHI PUNCTUATION DOT..KHAROSHTHI PUNCTUA  
10A59..11FFF; UNASSIGNED# <reserved>..<reserved>  
12000..1236E; NEVER # CUNEIFORM SIGN A..CUNEIFORM SIGN ZUM  
1236F..123FF; UNASSIGNED# <reserved>..<reserved>  
12400..12462; NEVER # CUNEIFORM NUMERIC SIGN TWO ASH..CUNEIFORM NUME  
12463..1246F; UNASSIGNED# <reserved>..<reserved>  
12470..12473; NEVER # CUNEIFORM PUNCTUATION SIGN OLD ASSYRIAN WORD D  
12474..1CFFF; UNASSIGNED# <reserved>..<reserved>  
1D000..1D0F5; NEVER # BYZANTINE MUSICAL SYMBOL PSILI..BYZANTINE MUSI  
1D0F6..1D0FF; UNASSIGNED# <reserved>..<reserved>  
1D100..1D126; NEVER # MUSICAL SYMBOL SINGLE BARLINE..MUSICAL SYMBOL  
1D127..1D129; UNASSIGNED# <reserved>..<reserved>  
1D12A..1D172; NEVER # MUSICAL SYMBOL DOUBLE SHARP..MUSICAL SYMBOL CO  
1D173..1D17A; CONTEXT # MUSICAL SYMBOL BEGIN BEAM..MUSICAL SYMBOL END  
1D17B..1D1DD; NEVER # MUSICAL SYMBOL COMBINING ACCENT..MUSICAL SYMBO  
1D1DE..1D1FF; UNASSIGNED# <reserved>..<reserved>  
1D200..1D245; NEVER # GREEK VOCAL NOTATION SYMBOL-1..GREEK MUSICAL L  
1D246..1D2FF; UNASSIGNED# <reserved>..<reserved>  
1D300..1D356; NEVER # MONOGRAM FOR EARTH..TETRAGRAM FOR FOSTERING  
1D357..1D35F; UNASSIGNED# <reserved>..<reserved>  
1D360..1D371; NEVER # COUNTING ROD UNIT DIGIT ONE..COUNTING ROD TENS  
1D372..1D3FF; UNASSIGNED# <reserved>..<reserved>  
1D400..1D454; NEVER # MATHEMATICAL BOLD CAPITAL A..MATHEMATICAL ITAL  
1D455 ; UNASSIGNED# <reserved>  
1D456..1D49C; NEVER # MATHEMATICAL ITALIC SMALL I..MATHEMATICAL SCRI  
1D49D ; UNASSIGNED# <reserved>  
1D49E..1D49F; NEVER # MATHEMATICAL SCRIPT CAPITAL C..MATHEMATICAL SC  
1D4A0..1D4A1; UNASSIGNED# <reserved>..<reserved>  
1D4A2 ; NEVER # MATHEMATICAL SCRIPT CAPITAL G  
1D4A3..1D4A4; UNASSIGNED# <reserved>..<reserved>  
1D4A5..1D4A6; NEVER # MATHEMATICAL SCRIPT CAPITAL J..MATHEMATICAL SC  
1D4A7..1D4A8; UNASSIGNED# <reserved>..<reserved>  
1D4A9..1D4AC; NEVER # MATHEMATICAL SCRIPT CAPITAL N..MATHEMATICAL SC



1D4AD ; UNASSIGNED# <reserved>  
1D4AE..1D4B9; NEVER # MATHEMATICAL SCRIPT CAPITAL S..MATHEMATICAL SC  
1D4BA ; UNASSIGNED# <reserved>  
1D4BB ; NEVER # MATHEMATICAL SCRIPT SMALL F  
1D4BC ; UNASSIGNED# <reserved>  
1D4BD..1D4C3; NEVER # MATHEMATICAL SCRIPT SMALL H..MATHEMATICAL SRI  
1D4C4 ; UNASSIGNED# <reserved>  
1D4C5..1D505; NEVER # MATHEMATICAL SCRIPT SMALL P..MATHEMATICAL FRAK  
1D506 ; UNASSIGNED# <reserved>  
1D507..1D50A; NEVER # MATHEMATICAL FRAKTUR CAPITAL D..MATHEMATICAL F  
1D50B..1D50C; UNASSIGNED# <reserved>..<reserved>  
1D50D..1D514; NEVER # MATHEMATICAL FRAKTUR CAPITAL J..MATHEMATICAL F  
1D515 ; UNASSIGNED# <reserved>  
1D516..1D51C; NEVER # MATHEMATICAL FRAKTUR CAPITAL S..MATHEMATICAL F  
1D51D ; UNASSIGNED# <reserved>  
1D51E..1D539; NEVER # MATHEMATICAL FRAKTUR SMALL A..MATHEMATICAL DOU  
1D53A ; UNASSIGNED# <reserved>  
1D53B..1D53E; NEVER # MATHEMATICAL DOUBLE-STRUCK CAPITAL D..MATHEMAT  
1D53F ; UNASSIGNED# <reserved>  
1D540..1D544; NEVER # MATHEMATICAL DOUBLE-STRUCK CAPITAL I..MATHEMAT  
1D545 ; UNASSIGNED# <reserved>  
1D546 ; NEVER # MATHEMATICAL DOUBLE-STRUCK CAPITAL O  
1D547..1D549; UNASSIGNED# <reserved>..<reserved>  
1D54A..1D550; NEVER # MATHEMATICAL DOUBLE-STRUCK CAPITAL S..MATHEMAT  
1D551 ; UNASSIGNED# <reserved>  
1D552..1D6A5; NEVER # MATHEMATICAL DOUBLE-STRUCK SMALL A..MATHEMATIC  
1D6A6..1D6A7; UNASSIGNED# <reserved>..<reserved>  
1D6A8..1D7CB; NEVER # MATHEMATICAL BOLD CAPITAL ALPHA..MATHEMATICAL  
1D7CC..1D7CD; UNASSIGNED# <reserved>..<reserved>  
1D7CE..1D7FF; NEVER # MATHEMATICAL BOLD DIGIT ZERO..MATHEMATICAL MON  
1D800..1FFFF; UNASSIGNED# <reserved>..<reserved>  
20000..2A6D6; MAYBE YES # <CJK Ideograph Extension B>..<CJK Ide  
2A6D7..2F7FF; UNASSIGNED# <reserved>..<reserved>  
2F800..2FA1D; NEVER # CJK COMPATIBILITY IDEOGRAPH-2F800..CJK COMPATI  
2FA1E..E0000; UNASSIGNED# <reserved>..<reserved>  
E0001 ; CONTEXT # LANGUAGE TAG  
E0002..E001F; UNASSIGNED# <reserved>..<reserved>  
E0020..E007F; CONTEXT # TAG SPACE..CANCEL TAG  
E0080..E00FF; UNASSIGNED# <reserved>..<reserved>  
E0100..E01EF; MAYBE YES # VARIATION SELECTOR-17..VARIATION SELECTOR-256  
E01F0..EFFFF; UNASSIGNED# <reserved>..<reserved>  
F0000..FFFFD; NEVER # <Plane 15 Private Use>..<Plane 15 Pri  
FFFFE..FFFFF; UNASSIGNED# <reserved>..<reserved>  
100000..10FFFC; NEVER # <Plane 16 Private Use>..<Plane 16 P



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