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Title	**ISO/IEC FCD 14651.3** - International String Ordering - Method for comparing Character Strings and Description of the Common Template Tailorable Ordering
	[ISO/CEI CD 14651 - Classement international de chaînes de caractères - Méthode de comparaison de chaînes de caractères et description du modèle commun d'ordre de classement]
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FOREWORD

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

In the field of information technology, ISO and IEC have established a joint technical committee known as ISO/IEC JTC1. Draft International Standards adopted by the joint technical committee are circulated to the national bodies for voting. Publication as an international standard requires approval by at least 75% of the national bodies that cast a vote.

The ISO/IEC 14651 International Standard has been prepared by the Joint Technical Committee ISO/IEC JTC1, Information Technology.

INTRODUCTION

This International Standard provides a method for ordering text data worldwide, and provides a Common Template Table whose tailoring meets the requirements of a given language and culture while retaining universal properties for other scripts.

The Common Template Table requires some tailoring in different local environments. However conformance to this International Standard requires that all deviations from the Template, called "deltas", be declared to document result discrepancies.

This Standard describes a method to order text data independently of context.

1 Scope

This International Standard defines:

-       A reference comparison method applicable to two characters strings in order to determine their respective order in a sorted list. The method can be applied on strings exploiting the full repertoire of ISO/IEC 10646-1. This method is also applicable to subsets of that repertoire, such as, for example, those of the different ISO/IEC 8-bit standard character sets, or any other character set, standardized or private, to produce ordering results valid (after tailoring) for a given set of languages for each script. This method uses transformation tables derived either from the Common Template Table defined in this International Standard or from one of its tailorings.

-       A reference format, using the Backus-Naur Form (BNF) to describe the Common Template Table used normatively in this International Standard.

-       A specific Common Template Table used by the reference comparison method. This table describes a basic order for all characters encoded in the first edition of ISO/IEC 10646-1 up to Amendment 7. It allows for a further specification of a fully deterministic ordering. The table is a starting point for enabling the specification of an international string ordering adapted to different cultures, without requiring an implementor to have a knowledge of all the different scripts already encoded in the UCS.

   NOTE 1:   This Common Template Table may be modified with a minimum of effort to suit the needs of a local environment. The main benefit, worldwide, is that for other scripts, no modification should be required and that the order will remain as consistent as possible and predictable from an international point of view.

   NOTE 2:   The character repertoire described in this International Standard is equivalent to that of the Unicode Standard Version 2.1.

-       A reference name, representing this particular version of the Common Template Table for use by various processes as a starting base for tailoring. In particular, this name implies that the table is linked to a particular stage of development of the ISO/IEC 10646 Universal multiple-octet coded character set.

-       Requirements for a declaration of the differences (delta) between the comparison table used in processes and the Common Template Table.

This International Standard does *not* mandate:

-       A specific comparison method; any equivalent method giving the same results is acceptable.

-       A specific format for describing or tailoring tables in a given implementation.

-       Specific symbols to be used by implementations except the name of the Common Template Table.

-       A specific user interface for choosing options.

-       A specific internal format for intermediate keys used in comparisons nor for the table used. The use of numeric keys is not mandated either.

-       A context-dependent ordering which would require complex transformation of data.

-       Any particular preparation of character strings prior to comparison.

NOTE 1: *It is normally necessary to do preparation of character strings prior to comparison even if it is not prescribed by this International standard (see informative annex C).*

NOTE 2: *Although no user interface is required to choose options or to specify tailoring of the Common Template Table, conformance requires always declaring the applicable delta, a declaration of differences with this table. It is recommended that processes present available tailoring options to users.*

2 Conformance

A process is conformant to this International Standard if it meets the requirements prescribed in clause 6.

A declaration of conformity to this International Standard shall be accompanied by a statement, either directly or by reference, of the following:

- the number of levels that the process supports. This number shall be at least three;

- whether the process supports the `position` parameter;

- whether the process supports the `backward` parameter and at which level;

-the tailoring *delta* described in 6.4 and how many levels are defined in the delta.

It is the responsibility of implementors to show how their delta declaration is related to the table syntax described in 6.3, and how the comparison method they use, if different from the one mentioned in clause 6, can be considered as giving the same results as those prescribed by the method specified in clause 6.

3 Normative References

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards listed below.

Members of IEC and ISO maintain registers of currently valid International Standards.

-       ISO/IEC 10646-1:1993 *Information technology -- Universal Multiple-Octet Coded Character Set (UCS) -- Part 1: Architecture and Basic Multilingual Plane*

-       ISO/IEC 10646-1:1993/Amd.1:1996 *Information technology – Universal Multiple-Octet Coded Character Set (UCS) -- Part 1: Architecture and Basic Multilingual Plane Amendment 1: Transformation Format for 16 planes of group 00 (UTF-16)*

-       ISO/IEC 10646-1:1993/Amd.2:1996 *Information technology – Universal Multiple-Octet Coded Character Set (UCS) -- Part 1: Architecture and Basic Multilingual Plane Amendment 2: UCS Transformation Format 8 (UTF-8)*

-       ISO/IEC 10646-1:1993/Amd.3:1996 *Information technology – Universal Multiple-Octet Coded Character Set (UCS) -- Part 1: Architecture and Basic Multilingual Plane Amendment 3*

-       ISO/IEC 10646-1:1993/Amd.4:1996 *Information technology – Universal Multiple-Octet Coded Character Set (UCS) -- Part 1: Architecture and Basic Multilingual Plane Amendment 4*

- ISO/IEC 10646-1:1993/Amd.5:1998 *Information technology – Universal Multiple-Octet Coded Character Set (UCS) -- Part 1: Architecture and Basic Multilingual Plane Amendment 5: Hangul syllables*

- ISO/IEC 10646-1:1993/Amd.6:1997 *Information technology – Universal Multiple-Octet Coded Character Set (UCS) -- Part 1: Architecture and Basic Multilingual Plane Amendment 6: Tibetan*

- ISO/IEC 10646-1:1993/Amd.7:1997 *Information technology – Universal Multiple-Octet Coded Character Set (UCS) -- Part 1: Architecture and Basic Multilingual Plane Amendment 7: 33 additional characters*

4 Definitions

For the purposes of this International Standard, the following definitions apply:

4.1 character string   a sequence of characters considered as a single entity

4.2 collation   equivalent to the term "ordering"

4.3 collating symbol   a symbol used to specify weights assigned to a collating element

4.4 collation (weighting) table   a mapping from collating elements to weighting elements

4.5 collating element   a sequence of one or more characters that has an entry in the collating table

4.6 delta   list of differences of a specific ordering table relative to the Common Template Table defined in this International Standard

4.7 (collation) level   whenever used without qualification in this International Standard, *level* stands for the number of the pass done over a string to compute a complete ordering key

4.8 ordering   a process by which two strings - are determined to be in exactly one of the relationships of **less than**, **greater than**, or **equal** to one another

4.9 (complete) ordering key   a series of numerical values used to determine an order

4.10 (collation) preparation   a process in which character strings are mapped to (other) character strings logically before using the key calculation specified in the reference comparison method of this International Standard.

4.11 reference comparison method   the method for establishing an order between two character strings (see clause 6.1)

4.12 (collation) subkey a sequence of weights computed for a character string for a particular level.

4.13 symbolic collating element   a name bound to a non-empty character string. The name may be used in specifying collating elements

4.14 symbolic weight   name bound to a weight. Each symbolic weight is defined for a particular level

4.15 (collation) weight   length b digit sequence. For the reference comparison method, the value of b must be fixed for each level (but may be different for different levels) and the radix of the digits must be the same for all levels.

4.16 weighting element **a list of sequence of weights [To be completed offline]**

5 Symbols and abbreviations

Following ISO/IEC_10646-1 (followed by exact location of syntax) characters are referenced as UXXXX where X stands for any hexadecimal digit (using upper case letters where applicable) and refers to the value of that character in ISO/IEC 10646-1. This convention is used throughout this International Standard.

By convention, if a character outside of the standard repertoire of ISO/IEC 10646 is to be used in tailored ordering tables, it is recommended that this character be identified using the form <Pyyyyyyyy>. Private zone characters will normally be used for meeting such special requirements, and the sequence yyyyyyyy used in the symbol represents private-zone UCS coding."

In the Common Template Table arbitrary symbols representing weights are used according to the BNF notation description in *6.3.1*.

6 Requirements

6.1 Preparation of character strings prior to comparison

It may be necessary to transform character strings before the comparison method is applied to them (see annex C for an example of such preparation). Although not part of the scope of this International Standard, context-sensitive preparation may be an important part of the ordering process, as for example in telephone-book ordering, a complex case in point.

Where applicable, it can be an important part of the prehandling phase to map characters from a non-UCS encoding scheme to the UCS for input into the reference comparison method. This task can amongst other things encompass the correct handling of escape sequences in the originating encoding scheme, the mapping of characters without an allocated UCS codepoint to an application-defined codepoint in the private zone area and inverting strings which are not stored in UCS order. For example, visual order Arabic code sets must be put into logical order; bibliographic code sets with accents before base characters require reversal. The resulting string sequence may then have to be remapped into its original encoding scheme.

NOTE 1: *The Common Template Table is designed so that combining sequences and equivalent single characters (precomposed) will have precisely the same ordering. To avoid inadvertently breaking this invariant (and in the process breaking Unicode conformance), tailoring should reorder combining sequences when equivalent characters are reordered. For example, if Ä is reordered after Z, then the sequence <A>+<combining diaeresis> should also be reordered. Strings can also be normalized according to Unicode normalization to achieve this equivalence – see References.*

NOTE 2: *Escape sequences constitute very sensitive data to interpret, and it is highly recommended that preparation should filter out or transform these sequences. Ideally, all control characters should be filtered out before comparison and reintroduced afterward, in case of absolute homography, to distinguish two character strings being compared.*

6.2 Key building and comparison

6.2.1 Preliminary considerations

6.2.1.1 Assumptions

The collation table is a mapping from collating elements to weighting elements. In each weighting element, four levels are described in the Common Template Table. This number of levels can be extended or reduced (but not below 3 levels) in the tailoring phase. Normally the last level is intended to specify "special" characters, i.e., characters normally not part of the spelling of words of a language (such as dingbats, punctuation, etc.), sometimes called "ignorable" characters in the context of computerized ordering.

6.2.1.2 Processing properties

The whole table has specific scanning and ordering properties. These properties can be changed.

The scanning direction (forward or backward) used to process the string is a global property of each level defined in the table.

An optional property of the last level of comparison is that, before comparing weights of each "ignorable" character, a comparison on the numeric position of each such character in the two strings may be effected. In other words, for two strings equivalent at all levels except the last one, the string having an ignorable in the lowest position comes before the other one. In case ignorables share the same positions, then weights are considered, until a difference is found). This processing is optional and is not necessary to claim conformance.

NOTE: *The scanning direction (forward or backward) is not normally related to the natural writing direction of scripts. The scanning direction applies to the logical sequence of the coded character string.*

According to ISO/IEC 10646, for scripts written right to left, such as Arabic, the lowest positions in the logical sequence of characters correspond to the rightmost characters of a string (from the point of view of their natural presentation sequence). Conversely, for the Latin script, written left to right, the lowest positions in the logical sequence of characters correspond to the leftmost characters of the string (from the point of view of their natural presentation sequence).

Scanning forward starts with the lowest position in the logical sequence, while scanning backward starts from the highest position, independently of the presentation sequence. The scanning direction for ordering purposes is a global property of each level described in the table.

In ISO/IEC 10646-1, the Arabic script is artificially separated into two pseudoscripts: 1) the logical, intrinsic Arabic, coded independently of shapes, and 2) the Arabic presentation forms. Both allow the complete coding of Arabic, but intrinsic Arabic is normally preferred for better processing, while presentation-form Arabic is preferred by some presentation-oriented applications. ISO/IEC 10646-1 does not prescribe that the presentation forms be coded in any specific order and in some implementations, the coded order for the latter is exactly the opposite of the one used for "intrinsic Arabic". It is therefore eventually advisable that prehandling be used to make sure that coded Arabic presentation forms and other coded Arabic characters be fed to the comparison method in the same logical order.

A tailored table may be separated into sections for ease of tailoring Each section is then assigned an arbitrary name. One of the tailoring possibilities is to assign a given order to each section and to change the relative order of an entire section relative to other sections.

6.2.2 Key formation

A series of m intermediary subkeys is formed out of a character string, where m is the maximum number of levels described in either the Common Template Table or in the tailored collation weighting table. The following subclauses describe the formation of a complete ordering key.

Each complete ordering key is a list of subkeys. Each subkey is a list of numeric weights. formed by successively appending each of the weights assigned to corresponding characters at a given level. There are three types of subkeys, subkeys using the `forward` parameter, subkeys using the `backward` parameter and subkeys using the `forward position` parameter. Subkeys that use the position parameter may only occur at the last level. Support of the position parameter is not required for conformance but shall be declared if used.

If there are no weights corresponding to a character of the input string, then the character is undefined. Undefined characters are ordered with respect to defined characters as if they were given the weight "UNDEFINED" at any particular level in the Common Template Table. If there is no weight assigned to symbol "UNDEFINED" in the table, then the tble is interpreted as if there were one at the very

end. The ordering of undefined characters with respect to other undefined characters is not specified in this standard.

NOTE: there are two common treatments of undefined characters. The first is to sort among them as if their level-one weight differences were based upon their UCS character code. The second is to sort them as if they all had the same level-one weight, and their second-level weights were the same as their UCS character codes.6.2.2.1 Formation of a subkey with the `forward` *parameter*

Subkeys with the `forward` parameter are formed in the following way at a particular level:

During forward scanning of each character of the input character string, one or more weights are obtained. These weights are obtained by matching the UCS value of each character, expressed as a hexadecimal string, against a corresponding symbol prefixed with "U" in the Common Template Table or in the tailored collation weighting table, and then evaluating the symbolic weight or weights associated with that level.These weights are appended to the end of the subkey.

6.2.2.2 Formation of a subkey with the `backward` parameter

Subkeys with the `backward` parameter are formed by forming a subkey with the `forward` parameter at a particular level, then reversing that subkey.

6.2.2.3 Formation of a subkey which uses the `forward position` parameter

Subkeys using the `forward position` parameter are formed at a particular level in the following way:

During forward scanning of each character of the input character string, two weights are appended to the end of the subkey. The first weight corresponds to the logical position in the original character string of the character being processed. The second weight corresponds to the weight assigned to that character at the subkey's level in the table.

NOTE: In the Common Template Table, levels generally have the following characteristics, although the purpose of each level is not absolute:

Level 1: This level generally corresponds to the set of common letters of the alphabets for that script, if the script is alphabetic, and to the set of common characters of the script if the script is ideographic or syllabic.

Level 2: This level generally corresponds to diacritical marks affecting each basic character of the script. For some languages, letters with diacritics are always considered an integral part of the basic letters of the alphabet, and are not considered at this second level, but rather at the first. For example, in Spanish, N TILDE is considered a basic letter of the Latin script. Therefore, tailoring for Spanish will change the definition of N TILDE from "the weight of an N in the first level and the weight of a TILDE in the second level" to "the weight of an N TILDE (placed after N and before O) in the first level, and indication of the absence of a diacritic in the second level". For some characters, variant letter shapes are also dealt with on level_2. An example of this is ß, the LATIN LETTER SHARP S, which is treated as equivalent to ss on level_1, but traditionally distinguished from it on level_2.

Level 3: This level generally corresponds to case distinctions or, mainly in non-Latin scripts, to distinctions based on variant character shapes.

Level 4: This level generally corresponds to weighting differences that are less significant than those at the other levels.

6.2.3 Reference comparison method resulting in ordering two character strings

The following describes the comparison method used as a reference to determine conformance to this International Standard:

1. In considering a table describing weights at *m* levels for each of *n* characters in the implementation character set, build a complete ordering key for each of two arbitrary character strings being compared, according to the algorithm of key formation described in clauses 6.2.1 and 6.2.3 of this International Standard.

2. A complete ordering key **x** is less than a complete ordering key **y** if and only if there is some integer **i** such that all **(i-1)** subkeys in **x** and **y** are equal, and the **i**th subkey of **x** is less than the **i**th subkey for **y**;

    A complete ordering key **x** is greater than a complete ordering key **y** if and only if **y** is less than **x**;

    A complete ordering key **x** is equal to a complete ordering key **y** if neither **x** is less than **y** nor **y** is less than **x.**

3. A subkey **v** is less than a subkey **w** if and only if there is some integer **j** such that all **(j-1)** weights in **v** and **w** are equal, and either the **j**th weight of **v** is less than the **j**th weight for **w** or the length of **v** equals **(j-1)** and the length of w is greater than **(j-1)**;

    A subkey **v** is greater than a subkey **w** if and only if **w** is less than **v** ;

    A subkey **v** is equal to a subkey **w** if neither **v** is less than **w** nor **w** is less than **v.**

The table used in this reference comparison method is the result of the numeric interpretation of the symbols in a tailored table.

6.3 Common Template Table: formation and interpretation

This clause specifies:

-   the syntax used to form the Common Template Table in annex A of this International Standard or a tailored table based upon the Common Template Table

-   conditions of well-formedness of a table using this syntax

-   interpretation of tables formed using this syntax

-   conditions for considering two tables as equivalent

-   conditions for considering comparison results as equivalent

6.3.1 BNF syntax rules

Definitions between <angle brackets> make use of terms not defined in this BNF syntax, and assume general English usage.

Other conventions:
        * indicates 0 or more repetitions of a token
        + indicates 1 or more repetitions of a token
        ? indicates optional occurrence of a token (0 or 1 occurrences)
        parentheses are used to group tokens

production rules are terminated by a semicolon
comments start with a % character on a separate line

```
% Define collation tables as sequences of lines.
weight_table = common_template_table | tailored_table ;
tailored_table = table_line+ ;
common_template_table = simple_line+ ;

% Define the line types.
table_line = simple_line | tailoring_line ;
tailoring_line = (section_definition | reorder_after | reorder_end |
            reorder_section_after | order_start | order_end)
            line_completion ;
simple_line = (symbol_definition | symbol_weight |
            collating_element_definition)? line_completion ;

% Define the tailoring syntax.
order_start = 'order_start' space+ identifier semicolon
            multiple_level_direction (',position')? line_completion ;
order_end = 'order_end' line_completion ;
multiple_level_direction = direction (semicolon direction)* ;
direction = 'forward' | 'backward' ;
reorder_section_after = 'reorder-section-after' space+ section_identifier
            space+ target_symbol line_completion ;
reorder_after = 'reorder-after' space+ target_symbol line_completion ;
reorder_end = 'reorder-end' line_completion ;
target_symbol = symbol ;
section_definition = section_definition_simple | section_definition_list ;
section_definition_list = 'section' space+ section_identifier space+
            symbol_list ;
section_definition_simple = 'section' space+ section_identifier ;
section_identifier = identifier ;
symbol_list = symbol_ element (semicolon symbol_element)* ;

% Define the basic syntax for collation weighting.
collating_element = 'collating-element' space+ symbol space+ 'from' space+
            quoted_symbol_sequence ;
symbol_weight = symbol_element space+ weight_list ;

symbol_definition = ('collating-symbol' symbol_element) | 'UNDEFINED' ;
weight_list = level_token (semicolon level_token)* ;
level_token = symbol_group | 'IGNORE' ;
symbol_group = symbol_element | quoted_symbol_sequence ;
quoted_symbol_sequence = '"' symbol+ '"' ;
symbol_element = symbol | symbol_range ;
symbol_range = symbol '..' symbol ;
symbol = simple_symbol | ucs_symbol ;
ucs_symbol = ('<U' four_digit_hex_string '>') | ('<U-'
            eight_digit_hex_string '>') ;
simple_symbol = '<' identifier '>' ;

% Define low-level tokens used by the rest of the syntax.
identifier = (letter | digit) id_part* ;
id_part = letter | digit | '-' | '_' ;
```

```
line_completion = (space* comment)? EOL ;
comment = comment_char character* ;
eight_digit_hex_string = hex_upper hex_upper hex_upper hex_upper hex_upper
          hex_upper hex_upper hex_upper ;
four_digit_hex_string = hex_upper hex_upper hex_upper hex_upper ;
hex_numeric_string = hex_upper+ ;
space = ' ' | <TAB> ;
semicolon = ';' ;
comment_char = '%' ;
letter = 'a' | 'b' | 'c' | 'd' |'e' | 'f' | 'g' | 'h' | 'i' | 'j' | 'k' |
          'l' | 'm' | 'n' | 'o' | 'p' | 'q' | 'r' | 's' | 't' | 'u' | 'v'
          | 'w' | 'x' | 'y' | 'z' | 'A' | 'B' | 'C' | 'D' | 'E' | 'F' |
          'G' | 'H' | 'I' | 'J' | 'K' | 'L' | 'M' | 'N' | 'O' | 'P' | 'Q'
          | 'R' | 'S' | 'T' | 'U' | 'V' | 'W' | 'X' | 'Y' | 'Z' ;
hex_upper = 'A' | 'B' | 'C' | 'D' | 'E' | 'F' | digit ;
digit = '0' | '1' | '2' | '3' | '4' | '5' | '6' | '7' | '8' | '9' ;
EOL = <end-of-line in the text conventions in use> ;
character = <any member of the repertoire of the encoded character set in
          use, not including any characters used to delimit the end of
          lines> ;
```

6.3.2 Well-formedness conditions

WF1. Any *simple_symbol* occurring in a *weight_list* shall occur in a *symbol_definition* in the same *symbol_weight* in which the *weight_list* occurs, or in a *symbol_weight* or *symbol_definition* that occurs earlier in the sequence of *table_line*s that constitute a *tailored_table*.

NOTE: All simple_symbol*s shall be "defined" before they are "used".* ucs_symbol's *are all assumed to be predefined.*

WF2. The values of any two *symbol*'s that comprise a *symbol_definition* in a *weight_table* that contains no *tailoring_line*'s shall not be identical.

NOTE: Duplication of collation weighting symbols is prohibited. This is true for the Common Template Table itself, and must also remain true for a tailored_table*, once the results of all reordering of lines has been applied.*

WF3. All *weight_list*'s in a *tailored_table* shall contain the same number of *level_token*'s.

NOTE: A tailorable table shall be consistent in its use of levels throughout.

WF4. A *tailored_table* may not contain a *multiple_level_direction* if it does not also contain a *weight_list* consisting of more than one *level_token*.

NOTE: No order_start statement *shall be used in a table which defines no multi-level weights.*

WF5. A *multiple_level_direction* in a *tailored_table* shall contain the same number of *direction*'s as the number of *level_token*'s of any *weight_list* in that *tailored_table*.

NOTE: Any order_start *shall have the same number of levels as is generally used in the table.*

WF6. If a *level_token* in a *weight_list* consists of a *symbol_group*, all successive *level_token*'s in that *weight_list* shall also consist of a *symbol_group*.

NOTE: 'IGNORE' shall not be used at a level after an explicit symbol for a weighting.

WF7. Any *section_identifier* occurring in a *reorder_section_after* shall occur in a *section_definition* which occurs earlier in the sequence of *table_line*s that constitutes a *tailored_table*.

NOTE: All section_identifier*s shall be "defined" before they are "used".*

WF8. No two *section_definition_entry*s in a *tailored_table* shall contain the same values in their *section_identifier*s.

NOTE: Multiple definition of section*s is prohibited;* section_identifier*s shall be unique.*

WF9. Each *reorder_after* in a *tailored_table* shall be followed by a *reorder_end* or another *reorder_after*.

WF10. If a *tailored_table* contains one or more *order_start*'s, it shall be terminated with an *order_end*.

WF11. No *reorder_section_after* shall contain a *target_symbol* whose value is the same as any *symbol* in the *section_definition_list* whose *section_identifier* is the same as the *section_identifier* in that *reorder_section_after*.

NOTE: A section *shall not be reordered after a line which the* section *itself contains; attempts at recursive relocation of lines are prohibited.*

WF12. Any *symbol_range* shall contain two *symbol*'s which meet the following conditions: Each *symbol* shall contain a common prefix, consisting of one or more characters that are not *hex_upper*'s; the portions of *identifier* of each *symbol* following the common prefix shall be a *hex_numeric_string*; and when interpreted as numeric values, the *hex_numeric_string* of the first *symbol* shall be less than the *hex_numeric_string* of the second *symbol*. The positive integral difference between the *hex_numeric_string* of the second *symbol*, interpreted as a numeric value, and the *hex_numeric_string* of the first *symbol*, interpreted as a numeric value, is termed the *value_range* of the *symbol_range*.

NOTE: A well-formed symbol_range *is of a form such as <S4E00>..<S9FA5>, where the common prefix is "S", and the rest of the* identifier *portion of each* symbol *is a* hex_numeric_string.

WF13. Any or *symbol_weight* which contains more than one *symbol_range* shall contain only *symbol_range*'s that meet the following requirement: Each *symbol_range* following the first *symbol_range* shall have a *value_range* identical to that of the first *symbol_range*.

NOTE: This condition guarantees that all expanded ranges will be well-formed, since for any one symbol_weight*, all of the range expansions will have the same number of values..*

6.3.3 Interpretation of tailored tables

I1. A *section* consists either 1) of the list of *simple_line*s which contain a *symbol_definition* whose value is equal to any *symbol* contained in the *symbol_list* in a *section_definition_list_entry*, or 2) of the list of *simple_line*'s following a *section_definition_simple* in a *tailored_table*.

NOTE: A section is defined 1) by a specific symbol_list, *or 2) by taking all the lines following the* section_definition *until another tailoring line such as an* order_start, *a* reorder_section_after, *another* section_definition, *or the end of the entire table is encountered.*

I2. A *simple_line* consisting of a *symbol_definition* containing a *symbol_range* is equivalent to a sequence of *simple_line*'s, each containing a *symbol* in place of the *symbol_range*, where the *symbol* for each successive *simple_line* is generated by concatenating a *hex_numeric_string* to the common prefix of the *symbol_range,* in numeric order, starting with the hex value associated with the *hex_numeric_string* of the first *symbol*, and ending with the hex value associated with the *hex_numeric_string* of the second *symbol*. The number of *simple_line*'s thus generated is equal to one more than the *value_range* of the *symbol_range*.

NOTE: A symbol_definition *of the form "collating-symbol <S0301>..<S0303>" is equivalent to the three lines:*
        collating-symbol <S0301>
        collating-symbol <S0302>
        collating-symbol <S0303>

I3. A *simple_line* consisting of a *symbol_weight* containing one or more *symbol_range*'s is equivalent to a sequence of *simple_line*'s, where each *symbol_range* has been expanded into a sequence of *symbol*'s, as described in I2 for *symbol_definition*'s.

NOTE: A symbol_weight *of the form "<U2000>..<U2002> <S0301>..<S0303>;<BLANK>;<MIN>; <U2000>..<U2002>" is equivalent to the three lines:*
        <U2000> <S0301>;<BLANK>;<MIN>;<U2000>
        <U2001> <S0302>;<BLANK>;<MIN>;<U2001>
        <U2002> <S0303>;<BLANK>;<MIN>;<U2002>

I4. A *tailored_table* containing a *reorder_after* is equivalent to the *tailored_table* 1) with all *table_line*'s ahead of the *reorder_after* that contain *symbol_definition*'s whose *symbol* matches the *symbol* of any *symbol_definition* in the *table_line*'s between the *reorder_after* and *reorder_end* removed, 2) with the *table_line*s between that *reorder_after* and the first subsequent *reorder_end* reordered to immediately follow the first *table_line* in the *tailored_table* containing a *symbol_definition* whose *symbol* is the same as the *target_symbol* in the *reorder_after*, and 3) with that *reorder_after* and that *reorder_end* removed.

NOTE: Move the block of lines between the reorder_after *and the* reorder_end *to follow the* target_symbol, *delete any prior lines that duplicate the* symbol_definition*'s of the reordered lines, and remove the* reorder_after *and* reorder_end *themselves.*

NOTE: When a tailored_table *contains multiple groups of lines to be reordered, the table is interpreted by processing each* reorder_after *sequentially, starting from the first line of the table. Subsequent line reorderings may impact lines that themselves were reordered by prior reorderings.*

I5. A *tailored_table* containing a *section_reorder_after* is equivalent to the *tailored_table* with the *section* associated with that *section-reorder_after* reordered (in the same relative order as the *table_line*s have in that *section*) to immediately follow the last *table_line* in the *tailored_table* containing a *symbol_definition* whose *symbol* is the same as the *target_symbol* in the *section_reorder_after*, and with that *section_reorder_after* removed.

I6. A *weight_table* is said to be in normal form when it contains no *reorder_after*'s or *section_reorder_after*'s.

NOTE: In general, a tailored_table *can be put into normal form by the operations implied by I1 and I2.*

I7. A *weight_table* in normal form is said to be evaluated when each *symbol_definition* in the *weight_table* is mapped to a positive integral numeric value such that those values increase monotonically by the order in which the *symbol_definition*'s occur in the *weight_table*. (The *table_line*'s of the *weight_table* are first mapped to the set of positive integers, by sequential order in the table. This mapping defines an ordered set of line numbers. The *symbol_definition*'s are then mapped to a set of positive integers that varies monotonically with the set of line numbers.)

NOTE: this does not restrict the starting number for the weight of the first symbol_definition, *nor does it require that the numbers for these weights be immediately consecutive.*

I8. An evaluated *weight_table* is said to be collation-element-weighted when each *simple_symbol* occurring in each *weight_list* in that evaluated *weight_table* has been mapped to the integral value which corresponds to the *symbol_definition* which contains the same *simple_symbol*.

NOTE: Each weight_list *can be interpreted as containing either* symbol's *mapped to integral weight values, or as instances of the string 'IGNORE'. At this point the mathematical injection of strings can be defined using the* weight_table.

NOTE: In a tailored table the value of any hex_numeric_string *associated with a* symbol *typically does not reflect the numeric weighting of the* symbol.

6.3.4 Conditions for considering specific table equivalences

A *weight_table* W1 and a *weight_table* W2 are said to be equivalent if any comparison of strings using those tables results in the same ordering.

NOTE: If one takes two strings, builds keys for each based on W1 and compares them, one should always get the same results as when one builds keys for those strings based on W2 and compares them.

6.3.5 Conditions for results to be considered equivalent

An implementation of international string ordering is conformant with this International Standard if for any set of strings S defined on a repertoire R, the implementation can duplicate the same comparisons as those resulting from comparison of the numbers from an injection constructed according to the rules of clause 6.2.3 of this International Standard.

An implementation of international string ordering is conformant with this International Standard if any tailoring it uses can be demonstrated to be equivalent to a *weight_table* constructed according to the rules of clause 6.2.3 of this standard.

6.4 Declaration of a delta

Tailoring shall be based upon the Common Template Table described in annex A. Tailoring may be accomplished using any syntax that is equivalent to the one described in this International standard.

NOTE: For example, ISO/IEC 14652, uses a compatible extension of the syntax used in this International standard
for tailoring A tailoring delta can also be expressed using the syntax of the Unicode collation algorithm (see
references). It has been demonstrated that a tailoring delta can also be expressed using XML.

Any declaration of conformance to this International Standard shall be accompanied with a declaration of the differences between the collation weighting table   and the Common Template Table. These differences are called a *delta* according to this International Standard. Such a delta shall contain the equivalent of:

1.   At least one valid *order_start* entry described in clause *6.3.1*; an unlimited number of sections containing an *order_start* entry and an *order_end* entry may be declared.

2.   The number of levels used for comparison.

3.   The list of *symbol_definition* weights (as defined in 6.2.1) added and after which *symbol_definition* entry each insertion is made.

4.   The list of *simple_line* entries (as defined in 6.2.1) deleted or inserted, referencing after which *simple_line* entry in the Common Template Table the insertions are made

In cases where a process has provision to allow the end-user to tailor the table himself or herself, a statement of conformance shall indicate which of the 4 elements of the previous list are tailorable and which of those 4 elements are not tailorable. For those which are not tailorable, the delta of fixed elements relative to the Common Template Table shall be declared.

NOTE: The declaration may use a different syntax from the one specified in 6.3 provided that the relationship with
this syntax can be reasonably established. For example, the following declarations are valid:

> "Collate U+00E5 after U+007A at the primary level.
> Collate U+00E4 after U+00E5 at the primary level. "

or

> "The primary alphabet order is modified so that in all cases z < å < ä"

*These two notations can reasonably be considered to be equivalent to the more precise expressions
(which also give weights at levels 2 and 3):*

> reorder-after <U007A>
> <U00E5> <U00E5>;<BLANK>;<MIN>
> reorder-end
>
> reorder-after <U00E5>
> <U00E4> <U00E4>;<BLANK>;<MIN>
> reorder-end

6.5 Name of the Common Template Table and name declaration

Whenever the Common Template Table is referred externally as a base point in a given context, whether in a process, contract, or procurement requirement, it shall be referenced using the name ISO14651_1999_TABLE1. If another name is used due to practical constraints, a declaration of conformance shall indicate how the correspondence between this other name and the name ISO14651_1999_TABLE1 is taken care of.

The use of a defined name is necessary to manage the different stages of development of this table. This follows from the nature of the reference character repertoire, for which development will be ongoing for a number of years or even decades.

Annex A -- Common Template Table (normative)

In this ordering table, a number of characters and scripts of the world are missing, due to the fact that those characters or scripts have not yet been encoded in the reference character set repertoire, ISO/IEC 10646-1 (Universal multiple-octet coded Character Set, or UCS) at time of the preparation of this International Standard.

It is the intent of ISO/IEC to include the ordering of those scripts explicitly in the Common Template Table when data becomes available, by way of amendments to this International Standard. If the Common Template Table is not tailored for unspecified characters, then an implicit order is assigned in the following table, which may not meet the user requirements of a particular community. Any delta with this table shall be declared in a statement of conformance to this International Standard as per the specifications of the conformance clause.

Name used for referring to this table in this version of this International standard: **ISO14651_1999_TABLE1**

NOTE: Some lines in the following table spill in presentation because of too long comments. An eventual machine-readable table using this format shall be corrected to avoid this minor presentation problem. In case of doubt a copy of the source file (which does not present this presentation problem as it is a machine-readable file) is available from the SC22/WG20 convenor or from the editor of this International Standard. At time of publishing of the International Standard, it is currently the intent that the machine-readable table will be assigned a permanent URL which will be refered in the final document as well in addition to be reproduced fully in the International Standard.

```
% escape_char /

% comment_char %


% LC_COLLATE


% Decomment the lines above to create a 14652-style
%   LC_COLLATE definition.

% Autogenerated Common Template Table
%   created from unidata-2.1.9.txt
% Equivalent to weights of basekeys.txt + compkeys.txt

% Order of collating symbols

% Third-level collating symbols

collating-symbol <RES-1>
collating-symbol <BLK>
collating-symbol <MIN>
collating-symbol <WIDE>
collating-symbol <COMPAT>
collating-symbol <FONT>
collating-symbol <CIRCLE>
collating-symbol <RES-2>
collating-symbol <CAP>
collating-symbol <WIDECAP>
collating-symbol <COMPATCAP>
collating-symbol <FONTCAP>
collating-symbol <CIRCLECAP>
collating-symbol <HIRA-SMALL>
collating-symbol <HIRA>
collating-symbol <SMALL>
collating-symbol <SMALL-NARROW>
collating-symbol <KATA>
collating-symbol <NARROW>
collating-symbol <CIRCLE-KATA>
collating-symbol <MNN>
collating-symbol <MNS>
collating-symbol <AINI>
collating-symbol <AMED>
collating-symbol <AFIN>
collating-symbol <AISO>
collating-symbol <SQUARED>
collating-symbol <SQUAREDCAP>
```

collating-symbol <FRACTION>

% Second-level collating symbols

collating-symbol <BASE>
collating-symbol <LOWLINE> % COMBINING LOW LINE
collating-symbol <PSILI> % COMBINING COMMA ABOVE
% "<PSILI><AIGUT>"
% "<PSILI><GRAVE>"
% "<PSILI><PERIS>"
% "<PSILI><YPOGE>"
% "<PSILI><AIGUT><YPOGE>"
% "<PSILI><GRAVE><YPOGE>"
% "<PSILI><PERIS><YPOGE>"
collating-symbol <DASIA> % COMBINING REVERSED COMMA ABOVE
% "<DASIA><AIGUT>"
% "<DASIA><GRAVE>"
% "<DASIA><PERIS>"
% "<DASIA><YPOGE>"
% "<DASIA><AIGUT><YPOGE>"
% "<DASIA><GRAVE><YPOGE>"
% "<DASIA><PERIS><YPOGE>"
collating-symbol <AIGUT> % COMBINING ACUTE ACCENT
% "<AIGUT><POINT>"
% "<AIGUT><YPOGE>"
collating-symbol <GRAVE> % COMBINING GRAVE ACCENT
% "<GRAVE><YPOGE>"
collating-symbol <BREVE> % COMBINING BREVE
% "<BREVE><AIGUT>"
% "<BREVE><GRAVE>"
% "<BREVE><TILDE>"
% "<BREVE><CROOK>"
collating-symbol <CIRCF> % COMBINING CIRCUMFLEX ACCENT
% "<CIRCF><AIGUT>"
% "<CIRCF><GRAVE>"
% "<CIRCF><TILDE>"
% "<CIRCF><CROOK>"
collating-symbol <CARON> % COMBINING CARON
% "<CARON><POINT>"
collating-symbol <CRCLE> % COMBINING RING ABOVE
% "<CRCLE><AIGUT>"
collating-symbol <PERIS> % COMBINING GREEK PERISPOMENI
% "<PERIS><YPOGE>"
collating-symbol <TREMA> % COMBINING DIAERESIS
% "<TREMA><MACRO>"
% "<TREMA><AIGUT>"
% "<TREMA><GRAVE>"
% "<TREMA><CARON>"
% "<TREMA><TONOS>"
% "<TREMA><PERIS>"
collating-symbol <2AIGU> % COMBINING DOUBLE ACUTE ACCENT
collating-symbol <TILDE> % COMBINING TILDE
% "<TILDE><AIGUT>"
% "<TILDE><TREMA>"
collating-symbol <POINT> % COMBINING DOT ABOVE
% "<POINT><MACRO>"
collating-symbol <OBLIK> % COMBINING LONG SOLIDUS OVERLAY
collating-symbol <CEDIL> % COMBINING CEDILLA
% "<CEDIL><AIGUT>"
% "<CEDIL><BREVE>"
collating-symbol <OGONK> % COMBINING OGONEK
% "<OGONK><MACRO>"
collating-symbol <MACRO> % COMBINING MACRON
% "<MACRO><AIGUT>"
% "<MACRO><GRAVE>"
% "<MACRO><TREMA>"
collating-symbol <OVERLINE> % COMBINING OVERLINE
collating-symbol <CROOK> % COMBINING HOOK ABOVE
collating-symbol <TONOS> % COMBINING VERTICAL LINE ABOVE
collating-symbol <D030E> % COMBINING DOUBLE VERTICAL LINE ABOVE
collating-symbol <2GRAV> % COMBINING DOUBLE GRAVE ACCENT
collating-symbol <D0310> % COMBINING CANDRABINDU
collating-symbol <BREVR> % COMBINING INVERTED BREVE
collating-symbol <D0312> % COMBINING TURNED COMMA ABOVE
collating-symbol <D0315> % COMBINING COMMA ABOVE RIGHT
collating-symbol <D0316> % COMBINING GRAVE ACCENT BELOW
collating-symbol <D0317> % COMBINING ACUTE ACCENT BELOW
collating-symbol <D0318> % COMBINING LEFT TACK BELOW
collating-symbol <D0319> % COMBINING RIGHT TACK BELOW
collating-symbol <D031A> % COMBINING LEFT ANGLE ABOVE
collating-symbol <HORNU> % COMBINING HORN
% "<HORNU><AIGUT>"
% "<HORNU><GRAVE>"
% "<HORNU><TILDE>"
% "<HORNU><CROOK>"
collating-symbol <D031C> % COMBINING LEFT HALF RING BELOW
collating-symbol <D031D> % COMBINING UP TACK BELOW

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collating-symbol <D031E> % COMBINING DOWN TACK BELOW
collating-symbol <D031F> % COMBINING PLUS SIGN BELOW
collating-symbol <D0320> % COMBINING MINUS SIGN BELOW
collating-symbol <PALCR> % COMBINING PALATALIZED HOOK BELOW
collating-symbol <RETCR> % COMBINING RETROFLEX HOOK BELOW
collating-symbol <POINS> % COMBINING DOT BELOW
% "<POINS><MACRO>"
% "<POINS><BREVE>"
% "<POINS><CIRCF>"
% "<POINS><POINT>"
% "<POINS><HORNU>"
collating-symbol <TREMS> % COMBINING DIAERESIS BELOW
collating-symbol <CRCLS> % COMBINING RING BELOW
collating-symbol <COMMS> % COMBINING COMMA BELOW
collating-symbol <D0329> % COMBINING VERTICAL LINE BELOW
collating-symbol <D032A> % COMBINING BRIDGE BELOW
collating-symbol <D032B> % COMBINING INVERTED DOUBLE ARCH BELOW
collating-symbol <D032C> % COMBINING CARON BELOW
collating-symbol <CIRCS> % COMBINING CIRCUMFLEX ACCENT BELOW
collating-symbol <BREVS> % COMBINING BREVE BELOW
collating-symbol <D032F> % COMBINING INVERTED BREVE BELOW
collating-symbol <TILDS> % COMBINING TILDE BELOW
collating-symbol <MACRS> % COMBINING MACRON BELOW
collating-symbol <D0333> % COMBINING DOUBLE LOW LINE
collating-symbol <TILDX> % COMBINING TILDE OVERLAY
collating-symbol <BARRE> % COMBINING SHORT STROKE OVERLAY
collating-symbol <D0336> % COMBINING LONG STROKE OVERLAY
collating-symbol <D0337> % COMBINING SHORT SOLIDUS OVERLAY
collating-symbol <CRCL2> % COMBINING RIGHT HALF RING BELOW
collating-symbol <D033A> % COMBINING INVERTED BRIDGE BELOW
collating-symbol <D033B> % COMBINING SQUARE BELOW
collating-symbol <D033C> % COMBINING SEAGULL BELOW
collating-symbol <D033D> % COMBINING X ABOVE
collating-symbol <D033E> % COMBINING VERTICAL TILDE
collating-symbol <D033F> % COMBINING DOUBLE OVERLINE
collating-symbol <YPOGE> % COMBINING GREEK YPOGEGRAMMENI
collating-symbol <D0360> % COMBINING DOUBLE TILDE
collating-symbol <D0361> % COMBINING DOUBLE INVERTED BREVE
collating-symbol <DFE20> % COMBINING LIGATURE LEFT HALF
collating-symbol <DFE21> % COMBINING LIGATURE RIGHT HALF
collating-symbol <DFE22> % COMBINING DOUBLE TILDE LEFT HALF
collating-symbol <DFE23> % COMBINING DOUBLE TILDE RIGHT HALF
collating-symbol <D0483> % COMBINING CYRILLIC TITLO
collating-symbol <D0484> % COMBINING CYRILLIC PALATALIZATION
collating-symbol <D0485> % COMBINING CYRILLIC DASIA PNEUMATA
collating-symbol <D0486> % COMBINING CYRILLIC PSILI PNEUMATA
collating-symbol <SHEVA> % HEBREW POINT SHEVA
collating-symbol <HTFSG> % HEBREW POINT HATAF SEGOL
collating-symbol <HTFPT> % HEBREW POINT HATAF PATAH
collating-symbol <HTFQM> % HEBREW POINT HATAF QAMATS
collating-symbol <HIRIQ> % HEBREW POINT HIRIQ
collating-symbol <TSERE> % HEBREW POINT TSERE
collating-symbol <SEGOL> % HEBREW POINT SEGOL
collating-symbol <PATAH> % HEBREW POINT PATAH
collating-symbol <QAMAT> % HEBREW POINT QAMATS
collating-symbol <HOLAM> % HEBREW POINT HOLAM
collating-symbol <QUBUT> % HEBREW POINT QUBUTS
collating-symbol <DAGES> % HEBREW POINT DAGESH OR MAPIQ
% "<DAGES><SHINP>"
% "<DAGES><SINPT>"
collating-symbol <RAPHE> % HEBREW POINT RAFE
collating-symbol <SHINP> % HEBREW POINT SHIN DOT
collating-symbol <SINPT> % HEBREW POINT SIN DOT
collating-symbol <VARIKA> % HEBREW POINT JUDEO-SPANISH VARIKA
collating-symbol <FATHATAN> % ARABIC FATHATAN
collating-symbol <DAMMATAN> % ARABIC DAMMATAN
% "<DAMMATAN><SHADDA>"
collating-symbol <KASRATAN> % ARABIC KASRATAN
% "<KASRATAN><SHADDA>"
collating-symbol <FATHA> % ARABIC FATHA
% "<FATHA><SHADDA>"
collating-symbol <DAMMA> % ARABIC DAMMA
% "<DAMMA><SHADDA>"
collating-symbol <KASRA> % ARABIC KASRA
% "<KASRA><SHADDA>"
collating-symbol <SHADDA> % ARABIC SHADDA
% "<SHADDA><SUPERALEF>"
collating-symbol <SUKUN> % ARABIC SUKUN
collating-symbol <SUPERALEF> % ARABIC LETTER SUPERSCRIPT ALEF
collating-symbol <D06D6> % ARABIC SMALL HIGH LIGATURE SAD WITH LAM WITH ALEF MAKSURA
collating-symbol <D06D7> % ARABIC SMALL HIGH LIGATURE QAF WITH LAM WITH ALEF MAKSURA
collating-symbol <D06D8> % ARABIC SMALL HIGH MEEM INITIAL FORM
collating-symbol <D06D9> % ARABIC SMALL HIGH LAM ALEF
collating-symbol <D06DA> % ARABIC SMALL HIGH JEEM
collating-symbol <D06DB> % ARABIC SMALL HIGH THREE DOTS
collating-symbol <D06DC> % ARABIC SMALL HIGH SEEN
collating-symbol <D06E1> % ARABIC SMALL HIGH DOTLESS HEAD OF KHAH

collating-symbol <D06E2> % ARABIC SMALL HIGH MEEM ISOLATED FORM
collating-symbol <D06E3> % ARABIC SMALL LOW SEEN
collating-symbol <AMADD> % ARABIC SMALL HIGH MADDA
collating-symbol <D06E7> % ARABIC SMALL HIGH YEH
collating-symbol <D06E8> % ARABIC SMALL HIGH NOON
collating-symbol <D06ED> % ARABIC SMALL LOW MEEM
collating-symbol <D093C> % DEVANAGARI SIGN NUKTA
collating-symbol <D0951> % DEVANAGARI STRESS SIGN UDATTA
collating-symbol <D0952> % DEVANAGARI STRESS SIGN ANUDATTA
collating-symbol <D0953> % DEVANAGARI GRAVE ACCENT
collating-symbol <D0954> % DEVANAGARI ACUTE ACCENT
collating-symbol <D09BC> % BENGALI SIGN NUKTA
collating-symbol <D0A3C> % GURMUKHI SIGN NUKTA
collating-symbol <D0ABC> % GUJARATI SIGN NUKTA
collating-symbol <D0B3C> % ORIYA SIGN NUKTA
collating-symbol <D0E48> % THAI CHARACTER MAI EK
collating-symbol <D0E49> % THAI CHARACTER MAI THO
collating-symbol <D0E4A> % THAI CHARACTER MAI TRI
collating-symbol <D0E4B> % THAI CHARACTER MAI CHATTAWA
collating-symbol <D0EC8> % LAO TONE MAI EK
collating-symbol <D0EC9> % LAO TONE MAI THO
collating-symbol <D0ECA> % LAO TONE MAI TI
collating-symbol <D0ECB> % LAO TONE MAI CATAWA
collating-symbol <D0F39> % TIBETAN MARK TSA -PHRU
collating-symbol <D302A> % IDEOGRAPHIC LEVEL TONE MARK
collating-symbol <D302B> % IDEOGRAPHIC RISING TONE MARK
collating-symbol <D302C> % IDEOGRAPHIC DEPARTING TONE MARK
collating-symbol <D302D> % IDEOGRAPHIC ENTERING TONE MARK
collating-symbol <D302E> % HANGUL SINGLE DOT TONE MARK
collating-symbol <D302F> % HANGUL DOUBLE DOT TONE MARK
collating-symbol <KNVCE> % COMBINING KATAKANA-HIRAGANA VOICED SOUND MARK
collating-symbol <KNSMV> % COMBINING KATAKANA-HIRAGANA SEMI-VOICED SOUND MARK
collating-symbol <D20D0> % COMBINING LEFT HARPOON ABOVE
collating-symbol <D20D1> % COMBINING RIGHT HARPOON ABOVE
collating-symbol <D20D2> % COMBINING LONG VERTICAL LINE OVERLAY
collating-symbol <D20D3> % COMBINING SHORT VERTICAL LINE OVERLAY
collating-symbol <D20D4> % COMBINING ANTICLOCKWISE ARROW ABOVE
collating-symbol <D20D5> % COMBINING CLOCKWISE ARROW ABOVE
collating-symbol <D20D6> % COMBINING LEFT ARROW ABOVE
collating-symbol <D20D7> % COMBINING RIGHT ARROW ABOVE
collating-symbol <D20D8> % COMBINING RING OVERLAY
collating-symbol <D20D9> % COMBINING CLOCKWISE RING OVERLAY
collating-symbol <D20DA> % COMBINING ANTICLOCKWISE RING OVERLAY
collating-symbol <D20DB> % COMBINING THREE DOTS ABOVE
collating-symbol <D20DC> % COMBINING FOUR DOTS ABOVE
collating-symbol <D20DD> % COMBINING ENCLOSING CIRCLE
collating-symbol <D20DE> % COMBINING ENCLOSING SQUARE
collating-symbol <D20DF> % COMBINING ENCLOSING DIAMOND
collating-symbol <D20E0> % COMBINING ENCLOSING CIRCLE BACKSLASH
collating-symbol <D20E1> % COMBINING LEFT RIGHT ARROW ABOVE
collating-symbol <VRNT1> % PSEUDO-COMBINING VARIANT MARK 1
collating-symbol <VRNT2> % PSEUDO-COMBINING VARIANT MARK 2
% "<VRNT2><POINT>"
collating-symbol <VRNT3> % PSEUDO-COMBINING VARIANT MARK 3
collating-symbol <NEGATIVE>
collating-symbol <SANSSERIF>
collating-symbol <NEGSANSSERIF>
collating-symbol <ARABIC>
collating-symbol <EXTARABIC>
collating-symbol <NAGAR>
collating-symbol <BENGL>
collating-symbol <BENGALINUMERATOR>
collating-symbol <GURMU>
collating-symbol <GUJAR>
collating-symbol <ORIYA>
collating-symbol <TAMIL>
collating-symbol <TELGU>
collating-symbol <KNNDA>
collating-symbol <MALAY>
collating-symbol <SINHALA>
collating-symbol <THAII>
collating-symbol <LAAOO>
collating-symbol <BODKA>
collating-symbol <CJKVS>

% First-level collating symbols

collating-symbol <S0200>..<S1100> % Alphabetics & syllabics

collating-symbol <S4E00>..<S9FA5> % Symbols for Han

collating-symbol <SAC00>..<SD7A3> % Symbols for Hangul

collating-symbol <SFA0E>..<SFA29> % Symbols for Compatibility Han

% order_start <TABLE>;forward;forward;forward;forward,position

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% Decomment the previous order_start line to specify directions for each level.
%   To tailor for French accent handling, rather decomment
%   the next line, as follows:

% order_start Latin;forward;backward;forward;forward,position

% <Uxxxx> <Base>;<Accent>;<Case>;<Special>

% Note that <Special> may be evaluated as exact hex value
%   and not as an autoweighted symbol.

<U0000> IGNORE;IGNORE;IGNORE;IGNORE % NULL (in 6429)
<U0001> IGNORE;IGNORE;IGNORE;IGNORE % START OF HEADING (in 6429)
<U0002> IGNORE;IGNORE;IGNORE;IGNORE % START OF TEXT (in 6429)
<U0003> IGNORE;IGNORE;IGNORE;IGNORE % END OF TEXT (in 6429)
<U0004> IGNORE;IGNORE;IGNORE;IGNORE % END OF TRANSMISSION (in 6429)
<U0005> IGNORE;IGNORE;IGNORE;IGNORE % ENQUIRY (in 6429)
<U0006> IGNORE;IGNORE;IGNORE;IGNORE % ACKNOWLEDGE (in 6429)
<U0007> IGNORE;IGNORE;IGNORE;IGNORE % BELL (in 6429)
<U0008> IGNORE;IGNORE;IGNORE;IGNORE % BACKSPACE (in 6429)
<U000E> IGNORE;IGNORE;IGNORE;IGNORE % SHIFT OUT (in 6429)
<U000F> IGNORE;IGNORE;IGNORE;IGNORE % SHIFT IN (in 6429)
<U0010> IGNORE;IGNORE;IGNORE;IGNORE % DATA LINK ESCAPE (in 6429)
<U0011> IGNORE;IGNORE;IGNORE;IGNORE % DEVICE CONTROL ONE (in 6429)
<U0012> IGNORE;IGNORE;IGNORE;IGNORE % DEVICE CONTROL TWO (in 6429)
<U0013> IGNORE;IGNORE;IGNORE;IGNORE % DEVICE CONTROL THREE (in 6429)
<U0014> IGNORE;IGNORE;IGNORE;IGNORE % DEVICE CONTROL FOUR (in 6429)
<U0015> IGNORE;IGNORE;IGNORE;IGNORE % NEGATIVE ACKNOWLEDGE (in 6429)
<U0016> IGNORE;IGNORE;IGNORE;IGNORE % SYNCHRONOUS IDLE (in 6429)
<U0017> IGNORE;IGNORE;IGNORE;IGNORE % END OF TRANSMISSION BLOCK (in 6429)
<U0018> IGNORE;IGNORE;IGNORE;IGNORE % CANCEL (in 6429)
<U0019> IGNORE;IGNORE;IGNORE;IGNORE % END OF MEDIUM (in 6429)
<U001A> IGNORE;IGNORE;IGNORE;IGNORE % SUBSTITUTE (in 6429)
<U001B> IGNORE;IGNORE;IGNORE;IGNORE % ESCAPE (in 6429)
<U001C> IGNORE;IGNORE;IGNORE;IGNORE % FILE SEPARATOR (in 6429)
<U001D> IGNORE;IGNORE;IGNORE;IGNORE % GROUP SEPARATOR (in 6429)
<U001E> IGNORE;IGNORE;IGNORE;IGNORE % RECORD SEPARATOR (in 6429)
<U001F> IGNORE;IGNORE;IGNORE;IGNORE % UNIT SEPARATOR (in 6429)
<U007F> IGNORE;IGNORE;IGNORE;IGNORE % DELETE (in 6429)
<U0080> IGNORE;IGNORE;IGNORE;IGNORE % <control>
<U0081> IGNORE;IGNORE;IGNORE;IGNORE % <control>
<U0082> IGNORE;IGNORE;IGNORE;IGNORE % BREAK PERMITTED HERE (in 6429)
<U0083> IGNORE;IGNORE;IGNORE;IGNORE % NO BREAK HERE (in 6429)
<U0084> IGNORE;IGNORE;IGNORE;IGNORE % INDEX (in 6429)
<U0085> IGNORE;IGNORE;IGNORE;IGNORE % NEXT LINE (in 6429)
<U0086> IGNORE;IGNORE;IGNORE;IGNORE % START OF SELECTED AREA (in 6429)
<U0087> IGNORE;IGNORE;IGNORE;IGNORE % END OF SELECTED AREA (in 6429)
<U0088> IGNORE;IGNORE;IGNORE;IGNORE % CHARACTER TABULATION SET (in 6429)
<U0089> IGNORE;IGNORE;IGNORE;IGNORE % CHARACTER TABULATION WITH JUSTIFICATION (in 6429)
<U008A> IGNORE;IGNORE;IGNORE;IGNORE % LINE TABULATION SET (in 6429)
<U008B> IGNORE;IGNORE;IGNORE;IGNORE % PARTIAL LINE DOWN (in 6429)
<U008C> IGNORE;IGNORE;IGNORE;IGNORE % PARTIAL LINE UP (in 6429)
<U008D> IGNORE;IGNORE;IGNORE;IGNORE % PARTIAL LINE FEED (in 6429)
<U008E> IGNORE;IGNORE;IGNORE;IGNORE % SINGLE SHIFT TWO (in 6429)
<U008F> IGNORE;IGNORE;IGNORE;IGNORE % SINGLE SHIFT THREE (in 6429)
<U0090> IGNORE;IGNORE;IGNORE;IGNORE % DEFICE CONTROL STRING (in 6429)
<U0091> IGNORE;IGNORE;IGNORE;IGNORE % PRIVATE USE ONE (in 6429)
<U0092> IGNORE;IGNORE;IGNORE;IGNORE % PRIVATE USE TWO (in 6429)
<U0093> IGNORE;IGNORE;IGNORE;IGNORE % SET TRANSMIT STATE (in 6429)
<U0094> IGNORE;IGNORE;IGNORE;IGNORE % CANCEL CHARACTER (in 6429)
<U0095> IGNORE;IGNORE;IGNORE;IGNORE % MESSAGE WAITING (in 6429)
<U0096> IGNORE;IGNORE;IGNORE;IGNORE % START OF GUARDED AREA (in 6429)
<U0097> IGNORE;IGNORE;IGNORE;IGNORE % END OF GUARDED AREA (in 6429)
<U0098> IGNORE;IGNORE;IGNORE;IGNORE % START OF STRING (in 6429)
<U0099> IGNORE;IGNORE;IGNORE;IGNORE % <control>
<U009A> IGNORE;IGNORE;IGNORE;IGNORE % SINGLE CHARACTER INTRODUCER (in 6429)
<U009B> IGNORE;IGNORE;IGNORE;IGNORE % CONTROL SEQUENCE INTRODUCER (in 6429)
<U009C> IGNORE;IGNORE;IGNORE;IGNORE % STRING TERMINATOR (in 6429)
<U009D> IGNORE;IGNORE;IGNORE;IGNORE % OPERATING SYSTEM COMMAND (in 6429)
<U009E> IGNORE;IGNORE;IGNORE;IGNORE % PRIVACY MESSAGE (in 6429)
<U009F> IGNORE;IGNORE;IGNORE;IGNORE % APPLICATION PROGRAM COMMAND (in 6429)
<U200C> IGNORE;IGNORE;IGNORE;IGNORE % ZERO WIDTH NON-JOINER
<U200D> IGNORE;IGNORE;IGNORE;IGNORE % ZERO WIDTH JOINER
<U200E> IGNORE;IGNORE;IGNORE;IGNORE % LEFT-TO-RIGHT MARK
<U200F> IGNORE;IGNORE;IGNORE;IGNORE % RIGHT-TO-LEFT MARK
<U202A> IGNORE;IGNORE;IGNORE;IGNORE % LEFT-TO-RIGHT EMBEDDING
<U202B> IGNORE;IGNORE;IGNORE;IGNORE % RIGHT-TO-LEFT EMBEDDING
<U202C> IGNORE;IGNORE;IGNORE;IGNORE % POP DIRECTIONAL FORMATTING
<U202D> IGNORE;IGNORE;IGNORE;IGNORE % LEFT-TO-RIGHT OVERRIDE
<U202E> IGNORE;IGNORE;IGNORE;IGNORE % RIGHT-TO-LEFT OVERRIDE
<U206A> IGNORE;IGNORE;IGNORE;IGNORE % INHIBIT SYMMETRIC SWAPPING
<U206B> IGNORE;IGNORE;IGNORE;IGNORE % ACTIVATE SYMMETRIC SWAPPING
<U206C> IGNORE;IGNORE;IGNORE;IGNORE % INHIBIT ARABIC FORM SHAPING
<U206D> IGNORE;IGNORE;IGNORE;IGNORE % ACTIVATE ARABIC FORM SHAPING
<U206E> IGNORE;IGNORE;IGNORE;IGNORE % NATIONAL DIGIT SHAPES

<U206F> IGNORE;IGNORE;IGNORE;IGNORE % NOMINAL DIGIT SHAPES
<U0009> IGNORE;IGNORE;IGNORE;<U0009> % HORIZONTAL TABULATION (in 6429)
<U000A> IGNORE;IGNORE;IGNORE;<U000A> % LINE FEED (in 6429)
<U000B> IGNORE;IGNORE;IGNORE;<U000B> % VERTICAL TABULATION (in 6429)
<U000C> IGNORE;IGNORE;IGNORE;<U000C> % FORM FEED (in 6429)
<U000D> IGNORE;IGNORE;IGNORE;<U000D> % CARRIAGE RETURN (in 6429)
<U0020> IGNORE;IGNORE;IGNORE;<U0020> % SPACE
<U0021> IGNORE;IGNORE;IGNORE;<U0021> % EXCLAMATION MARK
<U0022> IGNORE;IGNORE;IGNORE;<U0022> % QUOTATION MARK
<U0023> IGNORE;IGNORE;IGNORE;<U0023> % NUMBER SIGN
<U0025> IGNORE;IGNORE;IGNORE;<U0025> % PERCENT SIGN
<U0026> IGNORE;IGNORE;IGNORE;<U0026> % AMPERSAND
<U0027> IGNORE;IGNORE;IGNORE;<U0027> % APOSTROPHE
<U0028> IGNORE;IGNORE;IGNORE;<U0028> % LEFT PARENTHESIS
<U0029> IGNORE;IGNORE;IGNORE;<U0029> % RIGHT PARENTHESIS
<U002A> IGNORE;IGNORE;IGNORE;<U002A> % ASTERISK
<U002B> IGNORE;IGNORE;IGNORE;<U002B> % PLUS SIGN
<U002C> IGNORE;IGNORE;IGNORE;<U002C> % COMMA
<U002D> IGNORE;IGNORE;IGNORE;<U002D> % HYPHEN-MINUS
<U002E> IGNORE;IGNORE;IGNORE;<U002E> % FULL STOP
<U002F> IGNORE;IGNORE;IGNORE;<U002F> % SOLIDUS
<U003A> IGNORE;IGNORE;IGNORE;<U003A> % COLON
<U003B> IGNORE;IGNORE;IGNORE;<U003B> % SEMICOLON
<U003C> IGNORE;IGNORE;IGNORE;<U003C> % LESS-THAN SIGN
<U003D> IGNORE;IGNORE;IGNORE;<U003D> % EQUALS SIGN
<U003E> IGNORE;IGNORE;IGNORE;<U003E> % GREATER-THAN SIGN
<U003F> IGNORE;IGNORE;IGNORE;<U003F> % QUESTION MARK
<U0040> IGNORE;IGNORE;IGNORE;<U0040> % COMMERCIAL AT
<U005B> IGNORE;IGNORE;IGNORE;<U005B> % LEFT SQUARE BRACKET
<U005C> IGNORE;IGNORE;IGNORE;<U005C> % REVERSE SOLIDUS
<U005D> IGNORE;IGNORE;IGNORE;<U005D> % RIGHT SQUARE BRACKET
<U005E> IGNORE;IGNORE;IGNORE;<U005E> % CIRCUMFLEX ACCENT
<U005F> IGNORE;IGNORE;IGNORE;<U005F> % LOW LINE
<U0060> IGNORE;IGNORE;IGNORE;<U0060> % GRAVE ACCENT
<U007B> IGNORE;IGNORE;IGNORE;<U007B> % LEFT CURLY BRACKET
<U007C> IGNORE;IGNORE;IGNORE;<U007C> % VERTICAL LINE
<U007D> IGNORE;IGNORE;IGNORE;<U007D> % RIGHT CURLY BRACKET
<U007E> IGNORE;IGNORE;IGNORE;<U007E> % TILDE
<U00A0> IGNORE;IGNORE;IGNORE;<U00A0> % NO-BREAK SPACE
<U00A1> IGNORE;IGNORE;IGNORE;<U00A1> % INVERTED EXCLAMATION MARK
<U00A6> IGNORE;IGNORE;IGNORE;<U00A6> % BROKEN BAR
<U00A7> IGNORE;IGNORE;IGNORE;<U00A7> % SECTION SIGN
<U00A8> IGNORE;IGNORE;IGNORE;<U00A8> % DIAERESIS
<U00A9> IGNORE;IGNORE;IGNORE;<U00A9> % COPYRIGHT SIGN
<U00AB> IGNORE;IGNORE;IGNORE;<U00AB> % LEFT-POINTING DOUBLE ANGLE QUOTATION MARK
<U00AC> IGNORE;IGNORE;IGNORE;<U00AC> % NOT SIGN
<U00AD> IGNORE;IGNORE;IGNORE;<U00AD> % SOFT HYPHEN
<U00AE> IGNORE;IGNORE;IGNORE;<U00AE> % REGISTERED SIGN
<U00AF> IGNORE;IGNORE;IGNORE;<U00AF> % MACRON
<U00B0> IGNORE;IGNORE;IGNORE;<U00B0> % DEGREE SIGN
<U00B1> IGNORE;IGNORE;IGNORE;<U00B1> % PLUS-MINUS SIGN
<U00B4> IGNORE;IGNORE;IGNORE;<U00B4> % ACUTE ACCENT
<U00B6> IGNORE;IGNORE;IGNORE;<U00B6> % PILCROW SIGN
<U00B7> IGNORE;IGNORE;IGNORE;<U00B7> % MIDDLE DOT
<U00B8> IGNORE;IGNORE;IGNORE;<U00B8> % CEDILLA
<U00BB> IGNORE;IGNORE;IGNORE;<U00BB> % RIGHT-POINTING DOUBLE ANGLE QUOTATION MARK
<U00BF> IGNORE;IGNORE;IGNORE;<U00BF> % INVERTED QUESTION MARK
<U00D7> IGNORE;IGNORE;IGNORE;<U00D7> % MULTIPLICATION SIGN
<U00F7> IGNORE;IGNORE;IGNORE;<U00F7> % DIVISION SIGN
<U02B9> IGNORE;IGNORE;IGNORE;<U02B9> % MODIFIER LETTER PRIME
<U02BA> IGNORE;IGNORE;IGNORE;<U02BA> % MODIFIER LETTER DOUBLE PRIME
<U02C2> IGNORE;IGNORE;IGNORE;<U02C2> % MODIFIER LETTER LEFT ARROWHEAD
<U02C3> IGNORE;IGNORE;IGNORE;<U02C3> % MODIFIER LETTER RIGHT ARROWHEAD
<U02C4> IGNORE;IGNORE;IGNORE;<U02C4> % MODIFIER LETTER UP ARROWHEAD
<U02C5> IGNORE;IGNORE;IGNORE;<U02C5> % MODIFIER LETTER DOWN ARROWHEAD
<U02C6> IGNORE;IGNORE;IGNORE;<U02C6> % MODIFIER LETTER CIRCUMFLEX ACCENT
<U02C7> IGNORE;IGNORE;IGNORE;<U02C7> % CARON
<U02C8> IGNORE;IGNORE;IGNORE;<U02C8> % MODIFIER LETTER VERTICAL LINE
<U02C9> IGNORE;IGNORE;IGNORE;<U02C9> % MODIFIER LETTER MACRON
<U02CA> IGNORE;IGNORE;IGNORE;<U02CA> % MODIFIER LETTER ACUTE ACCENT
<U02CB> IGNORE;IGNORE;IGNORE;<U02CB> % MODIFIER LETTER GRAVE ACCENT
<U02CC> IGNORE;IGNORE;IGNORE;<U02CC> % MODIFIER LETTER LOW VERTICAL LINE
<U02CD> IGNORE;IGNORE;IGNORE;<U02CD> % MODIFIER LETTER LOW MACRON
<U02CE> IGNORE;IGNORE;IGNORE;<U02CE> % MODIFIER LETTER LOW GRAVE ACCENT
<U02CF> IGNORE;IGNORE;IGNORE;<U02CF> % MODIFIER LETTER LOW ACUTE ACCENT
<U02D2> IGNORE;IGNORE;IGNORE;<U02D2> % MODIFIER LETTER CENTRED RIGHT HALF RING
<U02D3> IGNORE;IGNORE;IGNORE;<U02D3> % MODIFIER LETTER CENTRED LEFT HALF RING
<U02D4> IGNORE;IGNORE;IGNORE;<U02D4> % MODIFIER LETTER UP TACK
<U02D5> IGNORE;IGNORE;IGNORE;<U02D5> % MODIFIER LETTER DOWN TACK
<U02D6> IGNORE;IGNORE;IGNORE;<U02D6> % MODIFIER LETTER PLUS SIGN
<U02D7> IGNORE;IGNORE;IGNORE;<U02D7> % MODIFIER LETTER MINUS SIGN
<U02D8> IGNORE;IGNORE;IGNORE;<U02D8> % BREVE
<U02D9> IGNORE;IGNORE;IGNORE;<U02D9> % DOT ABOVE
<U02DA> IGNORE;IGNORE;IGNORE;<U02DA> % RING ABOVE
<U02DB> IGNORE;IGNORE;IGNORE;<U02DB> % OGONEK
<U02DC> IGNORE;IGNORE;IGNORE;<U02DC> % SMALL TILDE
<U02DD> IGNORE;IGNORE;IGNORE;<U02DD> % DOUBLE ACUTE ACCENT

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<U02DE> IGNORE;IGNORE;IGNORE;<U02DE> % MODIFIER LETTER RHOTIC HOOK
<U02E5> IGNORE;IGNORE;IGNORE;<U02E5> % MODIFIER LETTER EXTRA-HIGH TONE BAR
<U02E6> IGNORE;IGNORE;IGNORE;<U02E6> % MODIFIER LETTER HIGH TONE BAR
<U02E7> IGNORE;IGNORE;IGNORE;<U02E7> % MODIFIER LETTER MID TONE BAR
<U02E8> IGNORE;IGNORE;IGNORE;<U02E8> % MODIFIER LETTER LOW TONE BAR
<U02E9> IGNORE;IGNORE;IGNORE;<U02E9> % MODIFIER LETTER EXTRA-LOW TONE BAR
<U0374> IGNORE;IGNORE;IGNORE;<U0374> % GREEK NUMERAL SIGN
<U0375> IGNORE;IGNORE;IGNORE;<U0375> % GREEK LOWER NUMERAL SIGN
<U037A> IGNORE;IGNORE;IGNORE;<U037A> % GREEK YPOGEGRAMMENI
<U037E> IGNORE;IGNORE;IGNORE;<U037E> % GREEK QUESTION MARK
<U0384> IGNORE;IGNORE;IGNORE;<U0384> % GREEK TONOS
<U0385> IGNORE;IGNORE;IGNORE;<U0385> % GREEK DIALYTIKA TONOS
<U0387> IGNORE;IGNORE;IGNORE;<U0387> % GREEK ANO TELEIA
<U0482> IGNORE;IGNORE;IGNORE;<U0482> % CYRILLIC THOUSANDS SIGN
<U055A> IGNORE;IGNORE;IGNORE;<U055A> % ARMENIAN APOSTROPHE
<U055B> IGNORE;IGNORE;IGNORE;<U055B> % ARMENIAN EMPHASIS MARK
<U055C> IGNORE;IGNORE;IGNORE;<U055C> % ARMENIAN EXCLAMATION MARK
<U055D> IGNORE;IGNORE;IGNORE;<U055D> % ARMENIAN COMMA
<U055E> IGNORE;IGNORE;IGNORE;<U055E> % ARMENIAN QUESTION MARK
<U055F> IGNORE;IGNORE;IGNORE;<U055F> % ARMENIAN ABBREVIATION MARK
<U0589> IGNORE;IGNORE;IGNORE;<U0589> % ARMENIAN FULL STOP
<U0591> IGNORE;IGNORE;IGNORE;<U0591> % HEBREW ACCENT ETNAHTA
<U0592> IGNORE;IGNORE;IGNORE;<U0592> % HEBREW ACCENT SEGOL
<U0593> IGNORE;IGNORE;IGNORE;<U0593> % HEBREW ACCENT SHALSHELET
<U0594> IGNORE;IGNORE;IGNORE;<U0594> % HEBREW ACCENT ZAQEF QATAN
<U0595> IGNORE;IGNORE;IGNORE;<U0595> % HEBREW ACCENT ZAQEF GADOL
<U0596> IGNORE;IGNORE;IGNORE;<U0596> % HEBREW ACCENT TIPEHA
<U0597> IGNORE;IGNORE;IGNORE;<U0597> % HEBREW ACCENT REVIA
<U0598> IGNORE;IGNORE;IGNORE;<U0598> % HEBREW ACCENT ZARQA
<U0599> IGNORE;IGNORE;IGNORE;<U0599> % HEBREW ACCENT PASHTA
<U059A> IGNORE;IGNORE;IGNORE;<U059A> % HEBREW ACCENT YETIV
<U059B> IGNORE;IGNORE;IGNORE;<U059B> % HEBREW ACCENT TEVIR
<U059C> IGNORE;IGNORE;IGNORE;<U059C> % HEBREW ACCENT GERESH
<U059D> IGNORE;IGNORE;IGNORE;<U059D> % HEBREW ACCENT GERESH MUQDAM
<U059E> IGNORE;IGNORE;IGNORE;<U059E> % HEBREW ACCENT GERSHAYIM
<U059F> IGNORE;IGNORE;IGNORE;<U059F> % HEBREW ACCENT QARNEY PARA
<U05A0> IGNORE;IGNORE;IGNORE;<U05A0> % HEBREW ACCENT TELISHA GEDOLA
<U05A1> IGNORE;IGNORE;IGNORE;<U05A1> % HEBREW ACCENT PAZER
<U05A3> IGNORE;IGNORE;IGNORE;<U05A3> % HEBREW ACCENT MUNAH
<U05A4> IGNORE;IGNORE;IGNORE;<U05A4> % HEBREW ACCENT MAHAPAKH
<U05A5> IGNORE;IGNORE;IGNORE;<U05A5> % HEBREW ACCENT MERKHA
<U05A6> IGNORE;IGNORE;IGNORE;<U05A6> % HEBREW ACCENT MERKHA KEFULA
<U05A7> IGNORE;IGNORE;IGNORE;<U05A7> % HEBREW ACCENT DARGA
<U05A8> IGNORE;IGNORE;IGNORE;<U05A8> % HEBREW ACCENT QADMA
<U05A9> IGNORE;IGNORE;IGNORE;<U05A9> % HEBREW ACCENT TELISHA QETANA
<U05AA> IGNORE;IGNORE;IGNORE;<U05AA> % HEBREW ACCENT YERAH BEN YOMO
<U05AB> IGNORE;IGNORE;IGNORE;<U05AB> % HEBREW ACCENT OLE
<U05AC> IGNORE;IGNORE;IGNORE;<U05AC> % HEBREW ACCENT ILUY
<U05AD> IGNORE;IGNORE;IGNORE;<U05AD> % HEBREW ACCENT DEHI
<U05AE> IGNORE;IGNORE;IGNORE;<U05AE> % HEBREW ACCENT ZINOR
<U05AF> IGNORE;IGNORE;IGNORE;<U05AF> % HEBREW MARK MASORA CIRCLE
<U05BD> IGNORE;IGNORE;IGNORE;<U05BD> % HEBREW POINT METEG
<U05BE> IGNORE;IGNORE;IGNORE;<U05BE> % HEBREW PUNCTUATION MAQAF
<U05C0> IGNORE;IGNORE;IGNORE;<U05C0> % HEBREW PUNCTUATION PASEQ
<U05C3> IGNORE;IGNORE;IGNORE;<U05C3> % HEBREW PUNCTUATION SOF PASUQ
<U05C4> IGNORE;IGNORE;IGNORE;<U05C4> % HEBREW MARK UPPER DOT
<U05F3> IGNORE;IGNORE;IGNORE;<U05F3> % HEBREW PUNCTUATION GERESH
<U05F4> IGNORE;IGNORE;IGNORE;<U05F4> % HEBREW PUNCTUATION GERSHAYIM
<U060C> IGNORE;IGNORE;IGNORE;<U060C> % ARABIC COMMA
<U061B> IGNORE;IGNORE;IGNORE;<U061B> % ARABIC SEMICOLON
<U061F> IGNORE;IGNORE;IGNORE;<U061F> % ARABIC QUESTION MARK
<U0640> IGNORE;IGNORE;IGNORE;<U0640> % ARABIC TATWEEL
<U066A> IGNORE;IGNORE;IGNORE;<U066A> % ARABIC PERCENT SIGN
<U066B> IGNORE;IGNORE;IGNORE;<U066B> % ARABIC DECIMAL SEPARATOR
<U066C> IGNORE;IGNORE;IGNORE;<U066C> % ARABIC THOUSANDS SEPARATOR
<U066D> IGNORE;IGNORE;IGNORE;<U066D> % ARABIC FIVE POINTED STAR
<U06D4> IGNORE;IGNORE;IGNORE;<U06D4> % ARABIC FULL STOP
<U06DD> IGNORE;IGNORE;IGNORE;<U06DD> % ARABIC END OF AYAH
<U06DE> IGNORE;IGNORE;IGNORE;<U06DE> % ARABIC START OF RUB EL HIZB
<U06DF> IGNORE;IGNORE;IGNORE;<U06DF> % ARABIC SMALL HIGH ROUNDED ZERO
<U06E0> IGNORE;IGNORE;IGNORE;<U06E0> % ARABIC SMALL HIGH UPRIGHT RECTANGULAR ZERO
<U06E9> IGNORE;IGNORE;IGNORE;<U06E9> % ARABIC PLACE OF SAJDAH
<U06EA> IGNORE;IGNORE;IGNORE;<U06EA> % ARABIC EMPTY CENTRE LOW STOP
<U06EB> IGNORE;IGNORE;IGNORE;<U06EB> % ARABIC EMPTY CENTRE HIGH STOP
<U06EC> IGNORE;IGNORE;IGNORE;<U06EC> % ARABIC ROUNDED HIGH STOP WITH FILLED CENTRE
<U0964> IGNORE;IGNORE;IGNORE;<U0964> % DEVANAGARI DANDA
<U0965> IGNORE;IGNORE;IGNORE;<U0965> % DEVANAGARI DOUBLE DANDA
<U0970> IGNORE;IGNORE;IGNORE;<U0970> % DEVANAGARI ABBREVIATION SIGN
<U09F8> IGNORE;IGNORE;IGNORE;<U09F8> % BENGALI CURRENCY NUMERATOR ONE LESS THAN THE DENOMINATOR
<U09F9> IGNORE;IGNORE;IGNORE;<U09F9> % BENGALI CURRENCY DENOMINATOR SIXTEEN
<U09FA> IGNORE;IGNORE;IGNORE;<U09FA> % BENGALI ISSHAR
<U0B70> IGNORE;IGNORE;IGNORE;<U0B70> % ORIYA ISSHAR
<U0BF0> IGNORE;IGNORE;IGNORE;<U0BF0> % TAMIL NUMBER TEN
<U0BF1> IGNORE;IGNORE;IGNORE;<U0BF1> % TAMIL NUMBER ONE HUNDRED
<U0BF2> IGNORE;IGNORE;IGNORE;<U0BF2> % TAMIL NUMBER ONE THOUSAND
<U0E4E> IGNORE;IGNORE;IGNORE;<U0E4E> % THAI CHARACTER YAMAKKAN
<U0E4F> IGNORE;IGNORE;IGNORE;<U0E4F> % THAI CHARACTER FONGMAN
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<U0E5A> IGNORE;IGNORE;IGNORE;<U0E5A> % THAI CHARACTER ANGKHANKHU
<U0E5B> IGNORE;IGNORE;IGNORE;<U0E5B> % THAI CHARACTER KHOMUT
<U0F01> IGNORE;IGNORE;IGNORE;<U0F01> % TIBETAN MARK GTER YIG MGO TRUNCATED A
<U0F02> IGNORE;IGNORE;IGNORE;<U0F02> % TIBETAN MARK GTER YIG MGO -UM RNAM BCAD MA
<U0F03> IGNORE;IGNORE;IGNORE;<U0F03> % TIBETAN MARK GTER YIG MGO -UM GTER TSHEG MA
<U0F04> IGNORE;IGNORE;IGNORE;<U0F04> % TIBETAN MARK INITIAL YIG MGO MDUN MA
<U0F05> IGNORE;IGNORE;IGNORE;<U0F05> % TIBETAN MARK CLOSING YIG MGO SGAB MA
<U0F06> IGNORE;IGNORE;IGNORE;<U0F06> % TIBETAN MARK CARET YIG MGO PHUR SHAD MA
<U0F07> IGNORE;IGNORE;IGNORE;<U0F07> % TIBETAN MARK YIG MGO TSHEG SHAD MA
<U0F08> IGNORE;IGNORE;IGNORE;<U0F08> % TIBETAN MARK SBRUL SHAD
<U0F09> IGNORE;IGNORE;IGNORE;<U0F09> % TIBETAN MARK BSKUR YIG MGO
<U0F0A> IGNORE;IGNORE;IGNORE;<U0F0A> % TIBETAN MARK BKA- SHOG YIG MGO
<U0F0B> IGNORE;IGNORE;IGNORE;<U0F0B> % TIBETAN MARK INTERSYLLABIC TSHEG
<U0F0C> IGNORE;IGNORE;IGNORE;<U0F0C> % TIBETAN MARK DELIMITER TSHEG BSTAR
<U0F0D> IGNORE;IGNORE;IGNORE;<U0F0D> % TIBETAN MARK SHAD
<U0F0E> IGNORE;IGNORE;IGNORE;<U0F0E> % TIBETAN MARK NYIS SHAD
<U0F0F> IGNORE;IGNORE;IGNORE;<U0F0F> % TIBETAN MARK TSHEG SHAD
<U0F10> IGNORE;IGNORE;IGNORE;<U0F10> % TIBETAN MARK NYIS TSHEG SHAD
<U0F11> IGNORE;IGNORE;IGNORE;<U0F11> % TIBETAN MARK RIN CHEN SPUNGS SHAD
<U0F12> IGNORE;IGNORE;IGNORE;<U0F12> % TIBETAN MARK RGYA GRAM SHAD
<U0F13> IGNORE;IGNORE;IGNORE;<U0F13> % TIBETAN MARK CARET -DZUD RTAGS ME LONG CAN
<U0F14> IGNORE;IGNORE;IGNORE;<U0F14> % TIBETAN MARK GTER TSHEG
<U0F15> IGNORE;IGNORE;IGNORE;<U0F15> % TIBETAN LOGOTYPE SIGN CHAD RTAGS
<U0F16> IGNORE;IGNORE;IGNORE;<U0F16> % TIBETAN LOGOTYPE SIGN LHAG RTAGS
<U0F17> IGNORE;IGNORE;IGNORE;<U0F17> % TIBETAN ASTROLOGICAL SIGN SGRA GCAN -CHAR RTAGS
<U0F18> IGNORE;IGNORE;IGNORE;<U0F18> % TIBETAN ASTROLOGICAL SIGN -KHYUD PA
<U0F19> IGNORE;IGNORE;IGNORE;<U0F19> % TIBETAN ASTROLOGICAL SIGN SDONG TSHUGS
<U0F1A> IGNORE;IGNORE;IGNORE;<U0F1A> % TIBETAN SIGN RDEL DKAR GCIG
<U0F1B> IGNORE;IGNORE;IGNORE;<U0F1B> % TIBETAN SIGN RDEL DKAR GNYIS
<U0F1C> IGNORE;IGNORE;IGNORE;<U0F1C> % TIBETAN SIGN RDEL DKAR GSUM
<U0F1D> IGNORE;IGNORE;IGNORE;<U0F1D> % TIBETAN SIGN RDEL NAG GCIG
<U0F1E> IGNORE;IGNORE;IGNORE;<U0F1E> % TIBETAN SIGN RDEL NAG GNYIS
<U0F1F> IGNORE;IGNORE;IGNORE;<U0F1F> % TIBETAN SIGN RDEL DKAR RDEL NAG
<U0F2A> IGNORE;IGNORE;IGNORE;<U0F2A> % TIBETAN DIGIT HALF ONE
<U0F2B> IGNORE;IGNORE;IGNORE;<U0F2B> % TIBETAN DIGIT HALF TWO
<U0F2C> IGNORE;IGNORE;IGNORE;<U0F2C> % TIBETAN DIGIT HALF THREE
<U0F2D> IGNORE;IGNORE;IGNORE;<U0F2D> % TIBETAN DIGIT HALF FOUR
<U0F2E> IGNORE;IGNORE;IGNORE;<U0F2E> % TIBETAN DIGIT HALF FIVE
<U0F2F> IGNORE;IGNORE;IGNORE;<U0F2F> % TIBETAN DIGIT HALF SIX
<U0F30> IGNORE;IGNORE;IGNORE;<U0F30> % TIBETAN DIGIT HALF SEVEN
<U0F31> IGNORE;IGNORE;IGNORE;<U0F31> % TIBETAN DIGIT HALF EIGHT
<U0F32> IGNORE;IGNORE;IGNORE;<U0F32> % TIBETAN DIGIT HALF NINE
<U0F33> IGNORE;IGNORE;IGNORE;<U0F33> % TIBETAN DIGIT HALF ZERO
<U0F34> IGNORE;IGNORE;IGNORE;<U0F34> % TIBETAN MARK BSDUS RTAGS
<U0F35> IGNORE;IGNORE;IGNORE;<U0F35> % TIBETAN MARK NGAS BZUNG NYI ZLA
<U0F36> IGNORE;IGNORE;IGNORE;<U0F36> % TIBETAN MARK CARET -DZUD RTAGS BZHI MIG CAN
<U0F37> IGNORE;IGNORE;IGNORE;<U0F37> % TIBETAN MARK NGAS BZUNG SGOR RTAGS
<U0F38> IGNORE;IGNORE;IGNORE;<U0F38> % TIBETAN MARK CHE MGO
<U0F3A> IGNORE;IGNORE;IGNORE;<U0F3A> % TIBETAN MARK GUG RTAGS GYON
<U0F3B> IGNORE;IGNORE;IGNORE;<U0F3B> % TIBETAN MARK GUG RTAGS GYAS
<U0F3C> IGNORE;IGNORE;IGNORE;<U0F3C> % TIBETAN MARK ANG KHANG GYON
<U0F3D> IGNORE;IGNORE;IGNORE;<U0F3D> % TIBETAN MARK ANG KHANG GYAS
<U0F3E> IGNORE;IGNORE;IGNORE;<U0F3E> % TIBETAN SIGN YAR TSHES
<U0F3F> IGNORE;IGNORE;IGNORE;<U0F3F> % TIBETAN SIGN MAR TSHES
<U0F82> IGNORE;IGNORE;IGNORE;<U0F82> % TIBETAN SIGN NYI ZLA NAA DA
<U0F83> IGNORE;IGNORE;IGNORE;<U0F83> % TIBETAN SIGN SNA LDAN
<U0F85> IGNORE;IGNORE;IGNORE;<U0F85> % TIBETAN MARK PALUTA
<U0F86> IGNORE;IGNORE;IGNORE;<U0F86> % TIBETAN SIGN LCI RTAGS
<U0F87> IGNORE;IGNORE;IGNORE;<U0F87> % TIBETAN SIGN YANG RTAGS
<U10FB> IGNORE;IGNORE;IGNORE;<U10FB> % GEORGIAN PARAGRAPH SEPARATOR
<U1FBD> IGNORE;IGNORE;IGNORE;<U1FBD> % GREEK KORONIS
<U1FBF> IGNORE;IGNORE;IGNORE;<U1FBF> % GREEK PSILI
<U1FC0> IGNORE;IGNORE;IGNORE;<U1FC0> % GREEK PERISPOMENI
<U1FC1> IGNORE;IGNORE;IGNORE;<U1FC1> % GREEK DIALYTIKA AND PERISPOMENI
<U1FCD> IGNORE;IGNORE;IGNORE;<U1FCD> % GREEK PSILI AND VARIA
<U1FCE> IGNORE;IGNORE;IGNORE;<U1FCE> % GREEK PSILI AND OXIA
<U1FCF> IGNORE;IGNORE;IGNORE;<U1FCF> % GREEK PSILI AND PERISPOMENI
<U1FDD> IGNORE;IGNORE;IGNORE;<U1FDD> % GREEK DASIA AND VARIA
<U1FDE> IGNORE;IGNORE;IGNORE;<U1FDE> % GREEK DASIA AND OXIA
<U1FDF> IGNORE;IGNORE;IGNORE;<U1FDF> % GREEK DASIA AND PERISPOMENI
<U1FED> IGNORE;IGNORE;IGNORE;<U1FED> % GREEK DIALYTIKA AND VARIA
<U1FEE> IGNORE;IGNORE;IGNORE;<U1FEE> % GREEK DIALYTIKA AND OXIA
<U1FEF> IGNORE;IGNORE;IGNORE;<U1FEF> % GREEK VARIA
<U1FFD> IGNORE;IGNORE;IGNORE;<U1FFD> % GREEK OXIA
<U1FFE> IGNORE;IGNORE;IGNORE;<U1FFE> % GREEK DASIA
<U2000> IGNORE;IGNORE;IGNORE;<U2000> % EN QUAD
<U2001> IGNORE;IGNORE;IGNORE;<U2001> % EM QUAD
<U2002> IGNORE;IGNORE;IGNORE;<U2002> % EN SPACE
<U2003> IGNORE;IGNORE;IGNORE;<U2003> % EM SPACE
<U2004> IGNORE;IGNORE;IGNORE;<U2004> % THREE-PER-EM SPACE
<U2005> IGNORE;IGNORE;IGNORE;<U2005> % FOUR-PER-EM SPACE
<U2006> IGNORE;IGNORE;IGNORE;<U2006> % SIX-PER-EM SPACE
<U2007> IGNORE;IGNORE;IGNORE;<U2007> % FIGURE SPACE
<U2008> IGNORE;IGNORE;IGNORE;<U2008> % PUNCTUATION SPACE
<U2009> IGNORE;IGNORE;IGNORE;<U2009> % THIN SPACE
<U200A> IGNORE;IGNORE;IGNORE;<U200A> % HAIR SPACE
<U200B> IGNORE;IGNORE;IGNORE;<U200B> % ZERO WIDTH SPACE

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<U2010> IGNORE;IGNORE;IGNORE;<U2010> % HYPHEN
<U2011> IGNORE;IGNORE;IGNORE;<U2011> % NON-BREAKING HYPHEN
<U2012> IGNORE;IGNORE;IGNORE;<U2012> % FIGURE DASH
<U2013> IGNORE;IGNORE;IGNORE;<U2013> % EN DASH
<U2014> IGNORE;IGNORE;IGNORE;<U2014> % EM DASH
<U2015> IGNORE;IGNORE;IGNORE;<U2015> % HORIZONTAL BAR
<U2016> IGNORE;IGNORE;IGNORE;<U2016> % DOUBLE VERTICAL LINE
<U2017> IGNORE;IGNORE;IGNORE;<U2017> % DOUBLE LOW LINE
<U2018> IGNORE;IGNORE;IGNORE;<U2018> % LEFT SINGLE QUOTATION MARK
<U2019> IGNORE;IGNORE;IGNORE;<U2019> % RIGHT SINGLE QUOTATION MARK
<U201A> IGNORE;IGNORE;IGNORE;<U201A> % SINGLE LOW-9 QUOTATION MARK
<U201B> IGNORE;IGNORE;IGNORE;<U201B> % SINGLE HIGH-REVERSED-9 QUOTATION MARK
<U201C> IGNORE;IGNORE;IGNORE;<U201C> % LEFT DOUBLE QUOTATION MARK
<U201D> IGNORE;IGNORE;IGNORE;<U201D> % RIGHT DOUBLE QUOTATION MARK
<U201E> IGNORE;IGNORE;IGNORE;<U201E> % DOUBLE LOW-9 QUOTATION MARK
<U201F> IGNORE;IGNORE;IGNORE;<U201F> % DOUBLE HIGH-REVERSED-9 QUOTATION MARK
<U2020> IGNORE;IGNORE;IGNORE;<U2020> % DAGGER
<U2021> IGNORE;IGNORE;IGNORE;<U2021> % DOUBLE DAGGER
<U2022> IGNORE;IGNORE;IGNORE;<U2022> % BULLET
<U2023> IGNORE;IGNORE;IGNORE;<U2023> % TRIANGULAR BULLET
<U2024> IGNORE;IGNORE;IGNORE;<U2024> % ONE DOT LEADER
<U2025> IGNORE;IGNORE;IGNORE;<U2025> % TWO DOT LEADER
<U2026> IGNORE;IGNORE;IGNORE;<U2026> % HORIZONTAL ELLIPSIS
<U2027> IGNORE;IGNORE;IGNORE;<U2027> % HYPHENATION POINT
<U2028> IGNORE;IGNORE;IGNORE;<U2028> % LINE SEPARATOR
<U2029> IGNORE;IGNORE;IGNORE;<U2029> % PARAGRAPH SEPARATOR
<U2030> IGNORE;IGNORE;IGNORE;<U2030> % PER MILLE SIGN
<U2031> IGNORE;IGNORE;IGNORE;<U2031> % PER TEN THOUSAND SIGN
<U2032> IGNORE;IGNORE;IGNORE;<U2032> % PRIME
<U2033> IGNORE;IGNORE;IGNORE;<U2033> % DOUBLE PRIME
<U2034> IGNORE;IGNORE;IGNORE;<U2034> % TRIPLE PRIME
<U2035> IGNORE;IGNORE;IGNORE;<U2035> % REVERSED PRIME
<U2036> IGNORE;IGNORE;IGNORE;<U2036> % REVERSED DOUBLE PRIME
<U2037> IGNORE;IGNORE;IGNORE;<U2037> % REVERSED TRIPLE PRIME
<U2038> IGNORE;IGNORE;IGNORE;<U2038> % CARET
<U2039> IGNORE;IGNORE;IGNORE;<U2039> % SINGLE LEFT-POINTING ANGLE QUOTATION MARK
<U203A> IGNORE;IGNORE;IGNORE;<U203A> % SINGLE RIGHT-POINTING ANGLE QUOTATION MARK
<U203B> IGNORE;IGNORE;IGNORE;<U203B> % REFERENCE MARK
<U203C> IGNORE;IGNORE;IGNORE;<U203C> % DOUBLE EXCLAMATION MARK
<U203D> IGNORE;IGNORE;IGNORE;<U203D> % INTERROBANG
<U203E> IGNORE;IGNORE;IGNORE;<U203E> % OVERLINE
<U203F> IGNORE;IGNORE;IGNORE;<U203F> % UNDERTIE
<U2040> IGNORE;IGNORE;IGNORE;<U2040> % CHARACTER TIE
<U2041> IGNORE;IGNORE;IGNORE;<U2041> % CARET INSERTION POINT
<U2042> IGNORE;IGNORE;IGNORE;<U2042> % ASTERISM
<U2043> IGNORE;IGNORE;IGNORE;<U2043> % HYPHEN BULLET
<U2044> IGNORE;IGNORE;IGNORE;<U2044> % FRACTION SLASH
<U2045> IGNORE;IGNORE;IGNORE;<U2045> % LEFT SQUARE BRACKET WITH QUILL
<U2046> IGNORE;IGNORE;IGNORE;<U2046> % RIGHT SQUARE BRACKET WITH QUILL
<U207A> IGNORE;IGNORE;IGNORE;<U207A> % SUPERSCRIPT PLUS SIGN
<U207B> IGNORE;IGNORE;IGNORE;<U207B> % SUPERSCRIPT MINUS
<U207C> IGNORE;IGNORE;IGNORE;<U207C> % SUPERSCRIPT EQUALS SIGN
<U207D> IGNORE;IGNORE;IGNORE;<U207D> % SUPERSCRIPT LEFT PARENTHESIS
<U207E> IGNORE;IGNORE;IGNORE;<U207E> % SUPERSCRIPT RIGHT PARENTHESIS
<U208A> IGNORE;IGNORE;IGNORE;<U208A> % SUBSCRIPT PLUS SIGN
<U208B> IGNORE;IGNORE;IGNORE;<U208B> % SUBSCRIPT MINUS
<U208C> IGNORE;IGNORE;IGNORE;<U208C> % SUBSCRIPT EQUALS SIGN
<U208D> IGNORE;IGNORE;IGNORE;<U208D> % SUBSCRIPT LEFT PARENTHESIS
<U208E> IGNORE;IGNORE;IGNORE;<U208E> % SUBSCRIPT RIGHT PARENTHESIS
<U2190> IGNORE;IGNORE;IGNORE;<U2190> % LEFTWARDS ARROW
<U2191> IGNORE;IGNORE;IGNORE;<U2191> % UPWARDS ARROW
<U2192> IGNORE;IGNORE;IGNORE;<U2192> % RIGHTWARDS ARROW
<U2193> IGNORE;IGNORE;IGNORE;<U2193> % DOWNWARDS ARROW
<U2194> IGNORE;IGNORE;IGNORE;<U2194> % LEFT RIGHT ARROW
<U2195> IGNORE;IGNORE;IGNORE;<U2195> % UP DOWN ARROW
<U2196> IGNORE;IGNORE;IGNORE;<U2196> % NORTH WEST ARROW
<U2197> IGNORE;IGNORE;IGNORE;<U2197> % NORTH EAST ARROW
<U2198> IGNORE;IGNORE;IGNORE;<U2198> % SOUTH EAST ARROW
<U2199> IGNORE;IGNORE;IGNORE;<U2199> % SOUTH WEST ARROW
<U219A> IGNORE;IGNORE;IGNORE;<U219A> % LEFTWARDS ARROW WITH STROKE
<U219B> IGNORE;IGNORE;IGNORE;<U219B> % RIGHTWARDS ARROW WITH STROKE
<U219C> IGNORE;IGNORE;IGNORE;<U219C> % LEFTWARDS WAVE ARROW
<U219D> IGNORE;IGNORE;IGNORE;<U219D> % RIGHTWARDS WAVE ARROW
<U219E> IGNORE;IGNORE;IGNORE;<U219E> % LEFTWARDS TWO HEADED ARROW
<U219F> IGNORE;IGNORE;IGNORE;<U219F> % UPWARDS TWO HEADED ARROW
<U21A0> IGNORE;IGNORE;IGNORE;<U21A0> % RIGHTWARDS TWO HEADED ARROW
<U21A1> IGNORE;IGNORE;IGNORE;<U21A1> % DOWNWARDS TWO HEADED ARROW
<U21A2> IGNORE;IGNORE;IGNORE;<U21A2> % LEFTWARDS ARROW WITH TAIL
<U21A3> IGNORE;IGNORE;IGNORE;<U21A3> % RIGHTWARDS ARROW WITH TAIL
<U21A4> IGNORE;IGNORE;IGNORE;<U21A4> % LEFTWARDS ARROW FROM BAR
<U21A5> IGNORE;IGNORE;IGNORE;<U21A5> % UPWARDS ARROW FROM BAR
<U21A6> IGNORE;IGNORE;IGNORE;<U21A6> % RIGHTWARDS ARROW FROM BAR
<U21A7> IGNORE;IGNORE;IGNORE;<U21A7> % DOWNWARDS ARROW FROM BAR
<U21A8> IGNORE;IGNORE;IGNORE;<U21A8> % UP DOWN ARROW WITH BASE
<U21A9> IGNORE;IGNORE;IGNORE;<U21A9> % LEFTWARDS ARROW WITH HOOK
<U21AA> IGNORE;IGNORE;IGNORE;<U21AA> % RIGHTWARDS ARROW WITH HOOK
<U21AB> IGNORE;IGNORE;IGNORE;<U21AB> % LEFTWARDS ARROW WITH LOOP
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<U21AC> IGNORE;IGNORE;IGNORE;<U21AC> % RIGHTWARDS ARROW WITH LOOP
<U21AD> IGNORE;IGNORE;IGNORE;<U21AD> % LEFT RIGHT WAVE ARROW
<U21AE> IGNORE;IGNORE;IGNORE;<U21AE> % LEFT RIGHT ARROW WITH STROKE
<U21AF> IGNORE;IGNORE;IGNORE;<U21AF> % DOWNWARDS ZIGZAG ARROW
<U21B0> IGNORE;IGNORE;IGNORE;<U21B0> % UPWARDS ARROW WITH TIP LEFTWARDS
<U21B1> IGNORE;IGNORE;IGNORE;<U21B1> % UPWARDS ARROW WITH TIP RIGHTWARDS
<U21B2> IGNORE;IGNORE;IGNORE;<U21B2> % DOWNWARDS ARROW WITH TIP LEFTWARDS
<U21B3> IGNORE;IGNORE;IGNORE;<U21B3> % DOWNWARDS ARROW WITH TIP RIGHTWARDS
<U21B4> IGNORE;IGNORE;IGNORE;<U21B4> % RIGHTWARDS ARROW WITH CORNER DOWNWARDS
<U21B5> IGNORE;IGNORE;IGNORE;<U21B5> % DOWNWARDS ARROW WITH CORNER LEFTWARDS
<U21B6> IGNORE;IGNORE;IGNORE;<U21B6> % ANTICLOCKWISE TOP SEMICIRCLE ARROW
<U21B7> IGNORE;IGNORE;IGNORE;<U21B7> % CLOCKWISE TOP SEMICIRCLE ARROW
<U21B8> IGNORE;IGNORE;IGNORE;<U21B8> % NORTH WEST ARROW TO LONG BAR
<U21B9> IGNORE;IGNORE;IGNORE;<U21B9> % LEFTWARDS ARROW TO BAR OVER RIGHTWARDS ARROW TO BAR
<U21BA> IGNORE;IGNORE;IGNORE;<U21BA> % ANTICLOCKWISE OPEN CIRCLE ARROW
<U21BB> IGNORE;IGNORE;IGNORE;<U21BB> % CLOCKWISE OPEN CIRCLE ARROW
<U21BC> IGNORE;IGNORE;IGNORE;<U21BC> % LEFTWARDS HARPOON WITH BARB UPWARDS
<U21BD> IGNORE;IGNORE;IGNORE;<U21BD> % LEFTWARDS HARPOON WITH BARB DOWNWARDS
<U21BE> IGNORE;IGNORE;IGNORE;<U21BE> % UPWARDS HARPOON WITH BARB RIGHTWARDS
<U21BF> IGNORE;IGNORE;IGNORE;<U21BF> % UPWARDS HARPOON WITH BARB LEFTWARDS
<U21C0> IGNORE;IGNORE;IGNORE;<U21C0> % RIGHTWARDS HARPOON WITH BARB UPWARDS
<U21C1> IGNORE;IGNORE;IGNORE;<U21C1> % RIGHTWARDS HARPOON WITH BARB DOWNWARDS
<U21C2> IGNORE;IGNORE;IGNORE;<U21C2> % DOWNWARDS HARPOON WITH BARB RIGHTWARDS
<U21C3> IGNORE;IGNORE;IGNORE;<U21C3> % DOWNWARDS HARPOON WITH BARB LEFTWARDS
<U21C4> IGNORE;IGNORE;IGNORE;<U21C4> % RIGHTWARDS ARROW OVER LEFTWARDS ARROW
<U21C5> IGNORE;IGNORE;IGNORE;<U21C5> % UPWARDS ARROW LEFTWARDS OF DOWNWARDS ARROW
<U21C6> IGNORE;IGNORE;IGNORE;<U21C6> % LEFTWARDS ARROW OVER RIGHTWARDS ARROW
<U21C7> IGNORE;IGNORE;IGNORE;<U21C7> % LEFTWARDS PAIRED ARROWS
<U21C8> IGNORE;IGNORE;IGNORE;<U21C8> % UPWARDS PAIRED ARROWS
<U21C9> IGNORE;IGNORE;IGNORE;<U21C9> % RIGHTWARDS PAIRED ARROWS
<U21CA> IGNORE;IGNORE;IGNORE;<U21CA> % DOWNWARDS PAIRED ARROWS
<U21CB> IGNORE;IGNORE;IGNORE;<U21CB> % LEFTWARDS HARPOON OVER RIGHTWARDS HARPOON
<U21CC> IGNORE;IGNORE;IGNORE;<U21CC> % RIGHTWARDS HARPOON OVER LEFTWARDS HARPOON
<U21CD> IGNORE;IGNORE;IGNORE;<U21CD> % LEFTWARDS DOUBLE ARROW WITH STROKE
<U21CE> IGNORE;IGNORE;IGNORE;<U21CE> % LEFT RIGHT DOUBLE ARROW WITH STROKE
<U21CF> IGNORE;IGNORE;IGNORE;<U21CF> % RIGHTWARDS DOUBLE ARROW WITH STROKE
<U21D0> IGNORE;IGNORE;IGNORE;<U21D0> % LEFTWARDS DOUBLE ARROW
<U21D1> IGNORE;IGNORE;IGNORE;<U21D1> % UPWARDS DOUBLE ARROW
<U21D2> IGNORE;IGNORE;IGNORE;<U21D2> % RIGHTWARDS DOUBLE ARROW
<U21D3> IGNORE;IGNORE;IGNORE;<U21D3> % DOWNWARDS DOUBLE ARROW
<U21D4> IGNORE;IGNORE;IGNORE;<U21D4> % LEFT RIGHT DOUBLE ARROW
<U21D5> IGNORE;IGNORE;IGNORE;<U21D5> % UP DOWN DOUBLE ARROW
<U21D6> IGNORE;IGNORE;IGNORE;<U21D6> % NORTH WEST DOUBLE ARROW
<U21D7> IGNORE;IGNORE;IGNORE;<U21D7> % NORTH EAST DOUBLE ARROW
<U21D8> IGNORE;IGNORE;IGNORE;<U21D8> % SOUTH EAST DOUBLE ARROW
<U21D9> IGNORE;IGNORE;IGNORE;<U21D9> % SOUTH WEST DOUBLE ARROW
<U21DA> IGNORE;IGNORE;IGNORE;<U21DA> % LEFTWARDS TRIPLE ARROW
<U21DB> IGNORE;IGNORE;IGNORE;<U21DB> % RIGHTWARDS TRIPLE ARROW
<U21DC> IGNORE;IGNORE;IGNORE;<U21DC> % LEFTWARDS SQUIGGLE ARROW
<U21DD> IGNORE;IGNORE;IGNORE;<U21DD> % RIGHTWARDS SQUIGGLE ARROW
<U21DE> IGNORE;IGNORE;IGNORE;<U21DE> % UPWARDS ARROW WITH DOUBLE STROKE
<U21DF> IGNORE;IGNORE;IGNORE;<U21DF> % DOWNWARDS ARROW WITH DOUBLE STROKE
<U21E0> IGNORE;IGNORE;IGNORE;<U21E0> % LEFTWARDS DASHED ARROW
<U21E1> IGNORE;IGNORE;IGNORE;<U21E1> % UPWARDS DASHED ARROW
<U21E2> IGNORE;IGNORE;IGNORE;<U21E2> % RIGHTWARDS DASHED ARROW
<U21E3> IGNORE;IGNORE;IGNORE;<U21E3> % DOWNWARDS DASHED ARROW
<U21E4> IGNORE;IGNORE;IGNORE;<U21E4> % LEFTWARDS ARROW TO BAR
<U21E5> IGNORE;IGNORE;IGNORE;<U21E5> % RIGHTWARDS ARROW TO BAR
<U21E6> IGNORE;IGNORE;IGNORE;<U21E6> % LEFTWARDS WHITE ARROW
<U21E7> IGNORE;IGNORE;IGNORE;<U21E7> % UPWARDS WHITE ARROW
<U21E8> IGNORE;IGNORE;IGNORE;<U21E8> % RIGHTWARDS WHITE ARROW
<U21E9> IGNORE;IGNORE;IGNORE;<U21E9> % DOWNWARDS WHITE ARROW
<U21EA> IGNORE;IGNORE;IGNORE;<U21EA> % UPWARDS WHITE ARROW FROM BAR
<U2200> IGNORE;IGNORE;IGNORE;<U2200> % FOR ALL
<U2201> IGNORE;IGNORE;IGNORE;<U2201> % COMPLEMENT
<U2202> IGNORE;IGNORE;IGNORE;<U2202> % PARTIAL DIFFERENTIAL
<U2203> IGNORE;IGNORE;IGNORE;<U2203> % THERE EXISTS
<U2204> IGNORE;IGNORE;IGNORE;<U2204> % THERE DOES NOT EXIST
<U2205> IGNORE;IGNORE;IGNORE;<U2205> % EMPTY SET
<U2206> IGNORE;IGNORE;IGNORE;<U2206> % INCREMENT
<U2207> IGNORE;IGNORE;IGNORE;<U2207> % NABLA
<U2208> IGNORE;IGNORE;IGNORE;<U2208> % ELEMENT OF
<U2209> IGNORE;IGNORE;IGNORE;<U2209> % NOT AN ELEMENT OF
<U220A> IGNORE;IGNORE;IGNORE;<U220A> % SMALL ELEMENT OF
<U220B> IGNORE;IGNORE;IGNORE;<U220B> % CONTAINS AS MEMBER
<U220C> IGNORE;IGNORE;IGNORE;<U220C> % DOES NOT CONTAIN AS MEMBER
<U220D> IGNORE;IGNORE;IGNORE;<U220D> % SMALL CONTAINS AS MEMBER
<U220E> IGNORE;IGNORE;IGNORE;<U220E> % END OF PROOF
<U220F> IGNORE;IGNORE;IGNORE;<U220F> % N-ARY PRODUCT
<U2210> IGNORE;IGNORE;IGNORE;<U2210> % N-ARY COPRODUCT
<U2211> IGNORE;IGNORE;IGNORE;<U2211> % N-ARY SUMMATION
<U2212> IGNORE;IGNORE;IGNORE;<U2212> % MINUS SIGN
<U2213> IGNORE;IGNORE;IGNORE;<U2213> % MINUS-OR-PLUS SIGN
<U2214> IGNORE;IGNORE;IGNORE;<U2214> % DOT PLUS
<U2215> IGNORE;IGNORE;IGNORE;<U2215> % DIVISION SLASH
<U2216> IGNORE;IGNORE;IGNORE;<U2216> % SET MINUS
<U2217> IGNORE;IGNORE;IGNORE;<U2217> % ASTERISK OPERATOR
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<U2218> IGNORE;IGNORE;IGNORE;<U2218> % RING OPERATOR
<U2219> IGNORE;IGNORE;IGNORE;<U2219> % BULLET OPERATOR
<U221A> IGNORE;IGNORE;IGNORE;<U221A> % SQUARE ROOT
<U221B> IGNORE;IGNORE;IGNORE;<U221B> % CUBE ROOT
<U221C> IGNORE;IGNORE;IGNORE;<U221C> % FOURTH ROOT
<U221D> IGNORE;IGNORE;IGNORE;<U221D> % PROPORTIONAL TO
<U221E> IGNORE;IGNORE;IGNORE;<U221E> % INFINITY
<U221F> IGNORE;IGNORE;IGNORE;<U221F> % RIGHT ANGLE
<U2220> IGNORE;IGNORE;IGNORE;<U2220> % ANGLE
<U2221> IGNORE;IGNORE;IGNORE;<U2221> % MEASURED ANGLE
<U2222> IGNORE;IGNORE;IGNORE;<U2222> % SPHERICAL ANGLE
<U2223> IGNORE;IGNORE;IGNORE;<U2223> % DIVIDES
<U2224> IGNORE;IGNORE;IGNORE;<U2224> % DOES NOT DIVIDE
<U2225> IGNORE;IGNORE;IGNORE;<U2225> % PARALLEL TO
<U2226> IGNORE;IGNORE;IGNORE;<U2226> % NOT PARALLEL TO
<U2227> IGNORE;IGNORE;IGNORE;<U2227> % LOGICAL AND
<U2228> IGNORE;IGNORE;IGNORE;<U2228> % LOGICAL OR
<U2229> IGNORE;IGNORE;IGNORE;<U2229> % INTERSECTION
<U222A> IGNORE;IGNORE;IGNORE;<U222A> % UNION
<U222B> IGNORE;IGNORE;IGNORE;<U222B> % INTEGRAL
<U222C> IGNORE;IGNORE;IGNORE;<U222C> % DOUBLE INTEGRAL
<U222D> IGNORE;IGNORE;IGNORE;<U222D> % TRIPLE INTEGRAL
<U222E> IGNORE;IGNORE;IGNORE;<U222E> % CONTOUR INTEGRAL
<U222F> IGNORE;IGNORE;IGNORE;<U222F> % SURFACE INTEGRAL
<U2230> IGNORE;IGNORE;IGNORE;<U2230> % VOLUME INTEGRAL
<U2231> IGNORE;IGNORE;IGNORE;<U2231> % CLOCKWISE INTEGRAL
<U2232> IGNORE;IGNORE;IGNORE;<U2232> % CLOCKWISE CONTOUR INTEGRAL
<U2233> IGNORE;IGNORE;IGNORE;<U2233> % ANTICLOCKWISE CONTOUR INTEGRAL
<U2234> IGNORE;IGNORE;IGNORE;<U2234> % THEREFORE
<U2235> IGNORE;IGNORE;IGNORE;<U2235> % BECAUSE
<U2236> IGNORE;IGNORE;IGNORE;<U2236> % RATIO
<U2237> IGNORE;IGNORE;IGNORE;<U2237> % PROPORTION
<U2238> IGNORE;IGNORE;IGNORE;<U2238> % DOT MINUS
<U2239> IGNORE;IGNORE;IGNORE;<U2239> % EXCESS
<U223A> IGNORE;IGNORE;IGNORE;<U223A> % GEOMETRIC PROPORTION
<U223B> IGNORE;IGNORE;IGNORE;<U223B> % HOMOTHETIC
<U223C> IGNORE;IGNORE;IGNORE;<U223C> % TILDE OPERATOR
<U223D> IGNORE;IGNORE;IGNORE;<U223D> % REVERSED TILDE
<U223E> IGNORE;IGNORE;IGNORE;<U223E> % INVERTED LAZY S
<U223F> IGNORE;IGNORE;IGNORE;<U223F> % SINE WAVE
<U2240> IGNORE;IGNORE;IGNORE;<U2240> % WREATH PRODUCT
<U2241> IGNORE;IGNORE;IGNORE;<U2241> % NOT TILDE
<U2242> IGNORE;IGNORE;IGNORE;<U2242> % MINUS TILDE
<U2243> IGNORE;IGNORE;IGNORE;<U2243> % ASYMPTOTICALLY EQUAL TO
<U2244> IGNORE;IGNORE;IGNORE;<U2244> % NOT ASYMPTOTICALLY EQUAL TO
<U2245> IGNORE;IGNORE;IGNORE;<U2245> % APPROXIMATELY EQUAL TO
<U2246> IGNORE;IGNORE;IGNORE;<U2246> % APPROXIMATELY BUT NOT ACTUALLY EQUAL TO
<U2247> IGNORE;IGNORE;IGNORE;<U2247> % NEITHER APPROXIMATELY NOR ACTUALLY EQUAL TO
<U2248> IGNORE;IGNORE;IGNORE;<U2248> % ALMOST EQUAL TO
<U2249> IGNORE;IGNORE;IGNORE;<U2249> % NOT ALMOST EQUAL TO
<U224A> IGNORE;IGNORE;IGNORE;<U224A> % ALMOST EQUAL OR EQUAL TO
<U224B> IGNORE;IGNORE;IGNORE;<U224B> % TRIPLE TILDE
<U224C> IGNORE;IGNORE;IGNORE;<U224C> % ALL EQUAL TO
<U224D> IGNORE;IGNORE;IGNORE;<U224D> % EQUIVALENT TO
<U224E> IGNORE;IGNORE;IGNORE;<U224E> % GEOMETRICALLY EQUIVALENT TO
<U224F> IGNORE;IGNORE;IGNORE;<U224F> % DIFFERENCE BETWEEN
<U2250> IGNORE;IGNORE;IGNORE;<U2250> % APPROACHES THE LIMIT
<U2251> IGNORE;IGNORE;IGNORE;<U2251> % GEOMETRICALLY EQUAL TO
<U2252> IGNORE;IGNORE;IGNORE;<U2252> % APPROXIMATELY EQUAL TO OR THE IMAGE OF
<U2253> IGNORE;IGNORE;IGNORE;<U2253> % IMAGE OF OR APPROXIMATELY EQUAL TO
<U2254> IGNORE;IGNORE;IGNORE;<U2254> % COLON EQUALS
<U2255> IGNORE;IGNORE;IGNORE;<U2255> % EQUALS COLON
<U2256> IGNORE;IGNORE;IGNORE;<U2256> % RING IN EQUAL TO
<U2257> IGNORE;IGNORE;IGNORE;<U2257> % RING EQUAL TO
<U2258> IGNORE;IGNORE;IGNORE;<U2258> % CORRESPONDS TO
<U2259> IGNORE;IGNORE;IGNORE;<U2259> % ESTIMATES
<U225A> IGNORE;IGNORE;IGNORE;<U225A> % EQUIANGULAR TO
<U225B> IGNORE;IGNORE;IGNORE;<U225B> % STAR EQUALS
<U225C> IGNORE;IGNORE;IGNORE;<U225C> % DELTA EQUAL TO
<U225D> IGNORE;IGNORE;IGNORE;<U225D> % EQUAL TO BY DEFINITION
<U225E> IGNORE;IGNORE;IGNORE;<U225E> % MEASURED BY
<U225F> IGNORE;IGNORE;IGNORE;<U225F> % QUESTIONED EQUAL TO
<U2260> IGNORE;IGNORE;IGNORE;<U2260> % NOT EQUAL TO
<U2261> IGNORE;IGNORE;IGNORE;<U2261> % IDENTICAL TO
<U2262> IGNORE;IGNORE;IGNORE;<U2262> % NOT IDENTICAL TO
<U2263> IGNORE;IGNORE;IGNORE;<U2263> % STRICTLY EQUIVALENT TO
<U2264> IGNORE;IGNORE;IGNORE;<U2264> % LESS-THAN OR EQUAL TO
<U2265> IGNORE;IGNORE;IGNORE;<U2265> % GREATER-THAN OR EQUAL TO
<U2266> IGNORE;IGNORE;IGNORE;<U2266> % LESS-THAN OVER EQUAL TO
<U2267> IGNORE;IGNORE;IGNORE;<U2267> % GREATER-THAN OVER EQUAL TO
<U2268> IGNORE;IGNORE;IGNORE;<U2268> % LESS-THAN BUT NOT EQUAL TO
<U2269> IGNORE;IGNORE;IGNORE;<U2269> % GREATER-THAN BUT NOT EQUAL TO
<U226A> IGNORE;IGNORE;IGNORE;<U226A> % MUCH LESS-THAN
<U226B> IGNORE;IGNORE;IGNORE;<U226B> % MUCH GREATER-THAN
<U226C> IGNORE;IGNORE;IGNORE;<U226C> % BETWEEN
<U226D> IGNORE;IGNORE;IGNORE;<U226D> % NOT EQUIVALENT TO
<U226E> IGNORE;IGNORE;IGNORE;<U226E> % NOT LESS-THAN

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<U226F> IGNORE;IGNORE;IGNORE;<U226F> % NOT GREATER-THAN
<U2270> IGNORE;IGNORE;IGNORE;<U2270> % NEITHER LESS-THAN NOR EQUAL TO
<U2271> IGNORE;IGNORE;IGNORE;<U2271> % NEITHER GREATER-THAN NOR EQUAL TO
<U2272> IGNORE;IGNORE;IGNORE;<U2272> % LESS-THAN OR EQUIVALENT TO
<U2273> IGNORE;IGNORE;IGNORE;<U2273> % GREATER-THAN OR EQUIVALENT TO
<U2274> IGNORE;IGNORE;IGNORE;<U2274> % NEITHER LESS-THAN NOR EQUIVALENT TO
<U2275> IGNORE;IGNORE;IGNORE;<U2275> % NEITHER GREATER-THAN NOR EQUIVALENT TO
<U2276> IGNORE;IGNORE;IGNORE;<U2276> % LESS-THAN OR GREATER-THAN
<U2277> IGNORE;IGNORE;IGNORE;<U2277> % GREATER-THAN OR LESS-THAN
<U2278> IGNORE;IGNORE;IGNORE;<U2278> % NEITHER LESS-THAN NOR GREATER-THAN
<U2279> IGNORE;IGNORE;IGNORE;<U2279> % NEITHER GREATER-THAN NOR LESS-THAN
<U227A> IGNORE;IGNORE;IGNORE;<U227A> % PRECEDES
<U227B> IGNORE;IGNORE;IGNORE;<U227B> % SUCCEEDS
<U227C> IGNORE;IGNORE;IGNORE;<U227C> % PRECEDES OR EQUAL TO
<U227D> IGNORE;IGNORE;IGNORE;<U227D> % SUCCEEDS OR EQUAL TO
<U227E> IGNORE;IGNORE;IGNORE;<U227E> % PRECEDES OR EQUIVALENT TO
<U227F> IGNORE;IGNORE;IGNORE;<U227F> % SUCCEEDS OR EQUIVALENT TO
<U2280> IGNORE;IGNORE;IGNORE;<U2280> % DOES NOT PRECEDE
<U2281> IGNORE;IGNORE;IGNORE;<U2281> % DOES NOT SUCCEED
<U2282> IGNORE;IGNORE;IGNORE;<U2282> % SUBSET OF
<U2283> IGNORE;IGNORE;IGNORE;<U2283> % SUPERSET OF
<U2284> IGNORE;IGNORE;IGNORE;<U2284> % NOT A SUBSET OF
<U2285> IGNORE;IGNORE;IGNORE;<U2285> % NOT A SUPERSET OF
<U2286> IGNORE;IGNORE;IGNORE;<U2286> % SUBSET OF OR EQUAL TO
<U2287> IGNORE;IGNORE;IGNORE;<U2287> % SUPERSET OF OR EQUAL TO
<U2288> IGNORE;IGNORE;IGNORE;<U2288> % NEITHER A SUBSET OF NOR EQUAL TO
<U2289> IGNORE;IGNORE;IGNORE;<U2289> % NEITHER A SUPERSET OF NOR EQUAL TO
<U228A> IGNORE;IGNORE;IGNORE;<U228A> % SUBSET OF WITH NOT EQUAL TO
<U228B> IGNORE;IGNORE;IGNORE;<U228B> % SUPERSET OF WITH NOT EQUAL TO
<U228C> IGNORE;IGNORE;IGNORE;<U228C> % MULTISET
<U228D> IGNORE;IGNORE;IGNORE;<U228D> % MULTISET MULTIPLICATION
<U228E> IGNORE;IGNORE;IGNORE;<U228E> % MULTISET UNION
<U228F> IGNORE;IGNORE;IGNORE;<U228F> % SQUARE IMAGE OF
<U2290> IGNORE;IGNORE;IGNORE;<U2290> % SQUARE ORIGINAL OF
<U2291> IGNORE;IGNORE;IGNORE;<U2291> % SQUARE IMAGE OF OR EQUAL TO
<U2292> IGNORE;IGNORE;IGNORE;<U2292> % SQUARE ORIGINAL OF OR EQUAL TO
<U2293> IGNORE;IGNORE;IGNORE;<U2293> % SQUARE CAP
<U2294> IGNORE;IGNORE;IGNORE;<U2294> % SQUARE CUP
<U2295> IGNORE;IGNORE;IGNORE;<U2295> % CIRCLED PLUS
<U2296> IGNORE;IGNORE;IGNORE;<U2296> % CIRCLED MINUS
<U2297> IGNORE;IGNORE;IGNORE;<U2297> % CIRCLED TIMES
<U2298> IGNORE;IGNORE;IGNORE;<U2298> % CIRCLED DIVISION SLASH
<U2299> IGNORE;IGNORE;IGNORE;<U2299> % CIRCLED DOT OPERATOR
<U229A> IGNORE;IGNORE;IGNORE;<U229A> % CIRCLED RING OPERATOR
<U229B> IGNORE;IGNORE;IGNORE;<U229B> % CIRCLED ASTERISK OPERATOR
<U229C> IGNORE;IGNORE;IGNORE;<U229C> % CIRCLED EQUALS
<U229D> IGNORE;IGNORE;IGNORE;<U229D> % CIRCLED DASH
<U229E> IGNORE;IGNORE;IGNORE;<U229E> % SQUARED PLUS
<U229F> IGNORE;IGNORE;IGNORE;<U229F> % SQUARED MINUS
<U22A0> IGNORE;IGNORE;IGNORE;<U22A0> % SQUARED TIMES
<U22A1> IGNORE;IGNORE;IGNORE;<U22A1> % SQUARED DOT OPERATOR
<U22A2> IGNORE;IGNORE;IGNORE;<U22A2> % RIGHT TACK
<U22A3> IGNORE;IGNORE;IGNORE;<U22A3> % LEFT TACK
<U22A4> IGNORE;IGNORE;IGNORE;<U22A4> % DOWN TACK
<U22A5> IGNORE;IGNORE;IGNORE;<U22A5> % UP TACK
<U22A6> IGNORE;IGNORE;IGNORE;<U22A6> % ASSERTION
<U22A7> IGNORE;IGNORE;IGNORE;<U22A7> % MODELS
<U22A8> IGNORE;IGNORE;IGNORE;<U22A8> % TRUE
<U22A9> IGNORE;IGNORE;IGNORE;<U22A9> % FORCES
<U22AA> IGNORE;IGNORE;IGNORE;<U22AA> % TRIPLE VERTICAL BAR RIGHT TURNSTILE
<U22AB> IGNORE;IGNORE;IGNORE;<U22AB> % DOUBLE VERTICAL BAR DOUBLE RIGHT TURNSTILE
<U22AC> IGNORE;IGNORE;IGNORE;<U22AC> % DOES NOT PROVE
<U22AD> IGNORE;IGNORE;IGNORE;<U22AD> % NOT TRUE
<U22AE> IGNORE;IGNORE;IGNORE;<U22AE> % DOES NOT FORCE
<U22AF> IGNORE;IGNORE;IGNORE;<U22AF> % NEGATED DOUBLE VERTICAL BAR DOUBLE RIGHT TURNSTILE
<U22B0> IGNORE;IGNORE;IGNORE;<U22B0> % PRECEDES UNDER RELATION
<U22B1> IGNORE;IGNORE;IGNORE;<U22B1> % SUCCEEDS UNDER RELATION
<U22B2> IGNORE;IGNORE;IGNORE;<U22B2> % NORMAL SUBGROUP OF
<U22B3> IGNORE;IGNORE;IGNORE;<U22B3> % CONTAINS AS NORMAL SUBGROUP
<U22B4> IGNORE;IGNORE;IGNORE;<U22B4> % NORMAL SUBGROUP OF OR EQUAL TO
<U22B5> IGNORE;IGNORE;IGNORE;<U22B5> % CONTAINS AS NORMAL SUBGROUP OR EQUAL TO
<U22B6> IGNORE;IGNORE;IGNORE;<U22B6> % ORIGINAL OF
<U22B7> IGNORE;IGNORE;IGNORE;<U22B7> % IMAGE OF
<U22B8> IGNORE;IGNORE;IGNORE;<U22B8> % MULTIMAP
<U22B9> IGNORE;IGNORE;IGNORE;<U22B9> % HERMITIAN CONJUGATE MATRIX
<U22BA> IGNORE;IGNORE;IGNORE;<U22BA> % INTERCALATE
<U22BB> IGNORE;IGNORE;IGNORE;<U22BB> % XOR
<U22BC> IGNORE;IGNORE;IGNORE;<U22BC> % NAND
<U22BD> IGNORE;IGNORE;IGNORE;<U22BD> % NOR
<U22BE> IGNORE;IGNORE;IGNORE;<U22BE> % RIGHT ANGLE WITH ARC
<U22BF> IGNORE;IGNORE;IGNORE;<U22BF> % RIGHT TRIANGLE
<U22C0> IGNORE;IGNORE;IGNORE;<U22C0> % N-ARY LOGICAL AND
<U22C1> IGNORE;IGNORE;IGNORE;<U22C1> % N-ARY LOGICAL OR
<U22C2> IGNORE;IGNORE;IGNORE;<U22C2> % N-ARY INTERSECTION
<U22C3> IGNORE;IGNORE;IGNORE;<U22C3> % N-ARY UNION
<U22C4> IGNORE;IGNORE;IGNORE;<U22C4> % DIAMOND OPERATOR
<U22C5> IGNORE;IGNORE;IGNORE;<U22C5> % DOT OPERATOR
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<U22C6> IGNORE;IGNORE;IGNORE;<U22C6> % STAR OPERATOR
<U22C7> IGNORE;IGNORE;IGNORE;<U22C7> % DIVISION TIMES
<U22C8> IGNORE;IGNORE;IGNORE;<U22C8> % BOWTIE
<U22C9> IGNORE;IGNORE;IGNORE;<U22C9> % LEFT NORMAL FACTOR SEMIDIRECT PRODUCT
<U22CA> IGNORE;IGNORE;IGNORE;<U22CA> % RIGHT NORMAL FACTOR SEMIDIRECT PRODUCT
<U22CB> IGNORE;IGNORE;IGNORE;<U22CB> % LEFT SEMIDIRECT PRODUCT
<U22CC> IGNORE;IGNORE;IGNORE;<U22CC> % RIGHT SEMIDIRECT PRODUCT
<U22CD> IGNORE;IGNORE;IGNORE;<U22CD> % REVERSED TILDE EQUALS
<U22CE> IGNORE;IGNORE;IGNORE;<U22CE> % CURLY LOGICAL OR
<U22CF> IGNORE;IGNORE;IGNORE;<U22CF> % CURLY LOGICAL AND
<U22D0> IGNORE;IGNORE;IGNORE;<U22D0> % DOUBLE SUBSET
<U22D1> IGNORE;IGNORE;IGNORE;<U22D1> % DOUBLE SUPERSET
<U22D2> IGNORE;IGNORE;IGNORE;<U22D2> % DOUBLE INTERSECTION
<U22D3> IGNORE;IGNORE;IGNORE;<U22D3> % DOUBLE UNION
<U22D4> IGNORE;IGNORE;IGNORE;<U22D4> % PITCHFORK
<U22D5> IGNORE;IGNORE;IGNORE;<U22D5> % EQUAL AND PARALLEL TO
<U22D6> IGNORE;IGNORE;IGNORE;<U22D6> % LESS-THAN WITH DOT
<U22D7> IGNORE;IGNORE;IGNORE;<U22D7> % GREATER-THAN WITH DOT
<U22D8> IGNORE;IGNORE;IGNORE;<U22D8> % VERY MUCH LESS-THAN
<U22D9> IGNORE;IGNORE;IGNORE;<U22D9> % VERY MUCH GREATER-THAN
<U22DA> IGNORE;IGNORE;IGNORE;<U22DA> % LESS-THAN EQUAL TO OR GREATER-THAN
<U22DB> IGNORE;IGNORE;IGNORE;<U22DB> % GREATER-THAN EQUAL TO OR LESS-THAN
<U22DC> IGNORE;IGNORE;IGNORE;<U22DC> % EQUAL TO OR LESS-THAN
<U22DD> IGNORE;IGNORE;IGNORE;<U22DD> % EQUAL TO OR GREATER-THAN
<U22DE> IGNORE;IGNORE;IGNORE;<U22DE> % EQUAL TO OR PRECEDES
<U22DF> IGNORE;IGNORE;IGNORE;<U22DF> % EQUAL TO OR SUCCEEDS
<U22E0> IGNORE;IGNORE;IGNORE;<U22E0> % DOES NOT PRECEDE OR EQUAL
<U22E1> IGNORE;IGNORE;IGNORE;<U22E1> % DOES NOT SUCCEED OR EQUAL
<U22E2> IGNORE;IGNORE;IGNORE;<U22E2> % NOT SQUARE IMAGE OF OR EQUAL TO
<U22E3> IGNORE;IGNORE;IGNORE;<U22E3> % NOT SQUARE ORIGINAL OF OR EQUAL TO
<U22E4> IGNORE;IGNORE;IGNORE;<U22E4> % SQUARE IMAGE OF OR NOT EQUAL TO
<U22E5> IGNORE;IGNORE;IGNORE;<U22E5> % SQUARE ORIGINAL OF OR NOT EQUAL TO
<U22E6> IGNORE;IGNORE;IGNORE;<U22E6> % LESS-THAN BUT NOT EQUIVALENT TO
<U22E7> IGNORE;IGNORE;IGNORE;<U22E7> % GREATER-THAN BUT NOT EQUIVALENT TO
<U22E8> IGNORE;IGNORE;IGNORE;<U22E8> % PRECEDES BUT NOT EQUIVALENT TO
<U22E9> IGNORE;IGNORE;IGNORE;<U22E9> % SUCCEEDS BUT NOT EQUIVALENT TO
<U22EA> IGNORE;IGNORE;IGNORE;<U22EA> % NOT NORMAL SUBGROUP OF
<U22EB> IGNORE;IGNORE;IGNORE;<U22EB> % DOES NOT CONTAIN AS NORMAL SUBGROUP
<U22EC> IGNORE;IGNORE;IGNORE;<U22EC> % NOT NORMAL SUBGROUP OF OR EQUAL TO
<U22ED> IGNORE;IGNORE;IGNORE;<U22ED> % DOES NOT CONTAIN AS NORMAL SUBGROUP OR EQUAL
<U22EE> IGNORE;IGNORE;IGNORE;<U22EE> % VERTICAL ELLIPSIS
<U22EF> IGNORE;IGNORE;IGNORE;<U22EF> % MIDLINE HORIZONTAL ELLIPSIS
<U22F0> IGNORE;IGNORE;IGNORE;<U22F0> % UP RIGHT DIAGONAL ELLIPSIS
<U22F1> IGNORE;IGNORE;IGNORE;<U22F1> % DOWN RIGHT DIAGONAL ELLIPSIS
<U2300> IGNORE;IGNORE;IGNORE;<U2300> % DIAMETER SIGN
<U2302> IGNORE;IGNORE;IGNORE;<U2302> % HOUSE
<U2303> IGNORE;IGNORE;IGNORE;<U2303> % UP ARROWHEAD
<U2304> IGNORE;IGNORE;IGNORE;<U2304> % DOWN ARROWHEAD
<U2305> IGNORE;IGNORE;IGNORE;<U2305> % PROJECTIVE
<U2306> IGNORE;IGNORE;IGNORE;<U2306> % PERSPECTIVE
<U2307> IGNORE;IGNORE;IGNORE;<U2307> % WAVY LINE
<U2308> IGNORE;IGNORE;IGNORE;<U2308> % LEFT CEILING
<U2309> IGNORE;IGNORE;IGNORE;<U2309> % RIGHT CEILING
<U230A> IGNORE;IGNORE;IGNORE;<U230A> % LEFT FLOOR
<U230B> IGNORE;IGNORE;IGNORE;<U230B> % RIGHT FLOOR
<U230C> IGNORE;IGNORE;IGNORE;<U230C> % BOTTOM RIGHT CROP
<U230D> IGNORE;IGNORE;IGNORE;<U230D> % BOTTOM LEFT CROP
<U230E> IGNORE;IGNORE;IGNORE;<U230E> % TOP RIGHT CROP
<U230F> IGNORE;IGNORE;IGNORE;<U230F> % TOP LEFT CROP
<U2310> IGNORE;IGNORE;IGNORE;<U2310> % REVERSED NOT SIGN
<U2311> IGNORE;IGNORE;IGNORE;<U2311> % SQUARE LOZENGE
<U2312> IGNORE;IGNORE;IGNORE;<U2312> % ARC
<U2313> IGNORE;IGNORE;IGNORE;<U2313> % SEGMENT
<U2314> IGNORE;IGNORE;IGNORE;<U2314> % SECTOR
<U2315> IGNORE;IGNORE;IGNORE;<U2315> % TELEPHONE RECORDER
<U2316> IGNORE;IGNORE;IGNORE;<U2316> % POSITION INDICATOR
<U2317> IGNORE;IGNORE;IGNORE;<U2317> % VIEWDATA SQUARE
<U2318> IGNORE;IGNORE;IGNORE;<U2318> % PLACE OF INTEREST SIGN
<U2319> IGNORE;IGNORE;IGNORE;<U2319> % TURNED NOT SIGN
<U231A> IGNORE;IGNORE;IGNORE;<U231A> % WATCH
<U231B> IGNORE;IGNORE;IGNORE;<U231B> % HOURGLASS
<U231C> IGNORE;IGNORE;IGNORE;<U231C> % TOP LEFT CORNER
<U231D> IGNORE;IGNORE;IGNORE;<U231D> % TOP RIGHT CORNER
<U231E> IGNORE;IGNORE;IGNORE;<U231E> % BOTTOM LEFT CORNER
<U231F> IGNORE;IGNORE;IGNORE;<U231F> % BOTTOM RIGHT CORNER
<U2320> IGNORE;IGNORE;IGNORE;<U2320> % TOP HALF INTEGRAL
<U2321> IGNORE;IGNORE;IGNORE;<U2321> % BOTTOM HALF INTEGRAL
<U2322> IGNORE;IGNORE;IGNORE;<U2322> % FROWN
<U2323> IGNORE;IGNORE;IGNORE;<U2323> % SMILE
<U2324> IGNORE;IGNORE;IGNORE;<U2324> % UP ARROWHEAD BETWEEN TWO HORIZONTAL BARS
<U2325> IGNORE;IGNORE;IGNORE;<U2325> % OPTION KEY
<U2326> IGNORE;IGNORE;IGNORE;<U2326> % ERASE TO THE RIGHT
<U2327> IGNORE;IGNORE;IGNORE;<U2327> % X IN A RECTANGLE BOX
<U2328> IGNORE;IGNORE;IGNORE;<U2328> % KEYBOARD
<U2329> IGNORE;IGNORE;IGNORE;<U2329> % LEFT-POINTING ANGLE BRACKET
<U232A> IGNORE;IGNORE;IGNORE;<U232A> % RIGHT-POINTING ANGLE BRACKET
<U232B> IGNORE;IGNORE;IGNORE;<U232B> % ERASE TO THE LEFT
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<U232C> IGNORE;IGNORE;IGNORE;<U232C> % BENZENE RING
<U232D> IGNORE;IGNORE;IGNORE;<U232D> % CYLINDRICITY
<U232E> IGNORE;IGNORE;IGNORE;<U232E> % ALL AROUND-PROFILE
<U232F> IGNORE;IGNORE;IGNORE;<U232F> % SYMMETRY
<U2330> IGNORE;IGNORE;IGNORE;<U2330> % TOTAL RUNOUT
<U2331> IGNORE;IGNORE;IGNORE;<U2331> % DIMENSION ORIGIN
<U2332> IGNORE;IGNORE;IGNORE;<U2332> % CONICAL TAPER
<U2333> IGNORE;IGNORE;IGNORE;<U2333> % SLOPE
<U2334> IGNORE;IGNORE;IGNORE;<U2334> % COUNTERBORE
<U2335> IGNORE;IGNORE;IGNORE;<U2335> % COUNTERSINK
<U2336> IGNORE;IGNORE;IGNORE;<U2336> % APL FUNCTIONAL SYMBOL I-BEAM
<U2337> IGNORE;IGNORE;IGNORE;<U2337> % APL FUNCTIONAL SYMBOL SQUISH QUAD
<U2338> IGNORE;IGNORE;IGNORE;<U2338> % APL FUNCTIONAL SYMBOL QUAD EQUAL
<U2339> IGNORE;IGNORE;IGNORE;<U2339> % APL FUNCTIONAL SYMBOL QUAD DIVIDE
<U233A> IGNORE;IGNORE;IGNORE;<U233A> % APL FUNCTIONAL SYMBOL QUAD DIAMOND
<U233B> IGNORE;IGNORE;IGNORE;<U233B> % APL FUNCTIONAL SYMBOL QUAD JOT
<U233C> IGNORE;IGNORE;IGNORE;<U233C> % APL FUNCTIONAL SYMBOL QUAD CIRCLE
<U233D> IGNORE;IGNORE;IGNORE;<U233D> % APL FUNCTIONAL SYMBOL CIRCLE STILE
<U233E> IGNORE;IGNORE;IGNORE;<U233E> % APL FUNCTIONAL SYMBOL CIRCLE JOT
<U233F> IGNORE;IGNORE;IGNORE;<U233F> % APL FUNCTIONAL SYMBOL SLASH BAR
<U2340> IGNORE;IGNORE;IGNORE;<U2340> % APL FUNCTIONAL SYMBOL BACKSLASH BAR
<U2341> IGNORE;IGNORE;IGNORE;<U2341> % APL FUNCTIONAL SYMBOL QUAD SLASH
<U2342> IGNORE;IGNORE;IGNORE;<U2342> % APL FUNCTIONAL SYMBOL QUAD BACKSLASH
<U2343> IGNORE;IGNORE;IGNORE;<U2343> % APL FUNCTIONAL SYMBOL QUAD LESS-THAN
<U2344> IGNORE;IGNORE;IGNORE;<U2344> % APL FUNCTIONAL SYMBOL QUAD GREATER-THAN
<U2345> IGNORE;IGNORE;IGNORE;<U2345> % APL FUNCTIONAL SYMBOL LEFTWARDS VANE
<U2346> IGNORE;IGNORE;IGNORE;<U2346> % APL FUNCTIONAL SYMBOL RIGHTWARDS VANE
<U2347> IGNORE;IGNORE;IGNORE;<U2347> % APL FUNCTIONAL SYMBOL QUAD LEFTWARDS ARROW
<U2348> IGNORE;IGNORE;IGNORE;<U2348> % APL FUNCTIONAL SYMBOL QUAD RIGHTWARDS ARROW
<U2349> IGNORE;IGNORE;IGNORE;<U2349> % APL FUNCTIONAL SYMBOL CIRCLE BACKSLASH
<U234A> IGNORE;IGNORE;IGNORE;<U234A> % APL FUNCTIONAL SYMBOL DOWN TACK UNDERBAR
<U234B> IGNORE;IGNORE;IGNORE;<U234B> % APL FUNCTIONAL SYMBOL DELTA STILE
<U234C> IGNORE;IGNORE;IGNORE;<U234C> % APL FUNCTIONAL SYMBOL QUAD DOWN CARET
<U234D> IGNORE;IGNORE;IGNORE;<U234D> % APL FUNCTIONAL SYMBOL QUAD DELTA
<U234E> IGNORE;IGNORE;IGNORE;<U234E> % APL FUNCTIONAL SYMBOL DOWN TACK JOT
<U234F> IGNORE;IGNORE;IGNORE;<U234F> % APL FUNCTIONAL SYMBOL UPWARDS VANE
<U2350> IGNORE;IGNORE;IGNORE;<U2350> % APL FUNCTIONAL SYMBOL QUAD UPWARDS ARROW
<U2351> IGNORE;IGNORE;IGNORE;<U2351> % APL FUNCTIONAL SYMBOL UP TACK OVERBAR
<U2352> IGNORE;IGNORE;IGNORE;<U2352> % APL FUNCTIONAL SYMBOL DEL STILE
<U2353> IGNORE;IGNORE;IGNORE;<U2353> % APL FUNCTIONAL SYMBOL QUAD UP CARET
<U2354> IGNORE;IGNORE;IGNORE;<U2354> % APL FUNCTIONAL SYMBOL QUAD DEL
<U2355> IGNORE;IGNORE;IGNORE;<U2355> % APL FUNCTIONAL SYMBOL UP TACK JOT
<U2356> IGNORE;IGNORE;IGNORE;<U2356> % APL FUNCTIONAL SYMBOL DOWNWARDS VANE
<U2357> IGNORE;IGNORE;IGNORE;<U2357> % APL FUNCTIONAL SYMBOL QUAD DOWNWARDS ARROW
<U2358> IGNORE;IGNORE;IGNORE;<U2358> % APL FUNCTIONAL SYMBOL QUOTE UNDERBAR
<U2359> IGNORE;IGNORE;IGNORE;<U2359> % APL FUNCTIONAL SYMBOL DELTA UNDERBAR
<U235A> IGNORE;IGNORE;IGNORE;<U235A> % APL FUNCTIONAL SYMBOL DIAMOND UNDERBAR
<U235B> IGNORE;IGNORE;IGNORE;<U235B> % APL FUNCTIONAL SYMBOL JOT UNDERBAR
<U235C> IGNORE;IGNORE;IGNORE;<U235C> % APL FUNCTIONAL SYMBOL CIRCLE UNDERBAR
<U235D> IGNORE;IGNORE;IGNORE;<U235D> % APL FUNCTIONAL SYMBOL UP SHOE JOT
<U235E> IGNORE;IGNORE;IGNORE;<U235E> % APL FUNCTIONAL SYMBOL QUOTE QUAD
<U235F> IGNORE;IGNORE;IGNORE;<U235F> % APL FUNCTIONAL SYMBOL CIRCLE STAR
<U2360> IGNORE;IGNORE;IGNORE;<U2360> % APL FUNCTIONAL SYMBOL QUAD COLON
<U2361> IGNORE;IGNORE;IGNORE;<U2361> % APL FUNCTIONAL SYMBOL UP TACK DIAERESIS
<U2362> IGNORE;IGNORE;IGNORE;<U2362> % APL FUNCTIONAL SYMBOL DEL DIAERESIS
<U2363> IGNORE;IGNORE;IGNORE;<U2363> % APL FUNCTIONAL SYMBOL STAR DIAERESIS
<U2364> IGNORE;IGNORE;IGNORE;<U2364> % APL FUNCTIONAL SYMBOL JOT DIAERESIS
<U2365> IGNORE;IGNORE;IGNORE;<U2365> % APL FUNCTIONAL SYMBOL CIRCLE DIAERESIS
<U2366> IGNORE;IGNORE;IGNORE;<U2366> % APL FUNCTIONAL SYMBOL DOWN SHOE STILE
<U2367> IGNORE;IGNORE;IGNORE;<U2367> % APL FUNCTIONAL SYMBOL LEFT SHOE STILE
<U2368> IGNORE;IGNORE;IGNORE;<U2368> % APL FUNCTIONAL SYMBOL TILDE DIAERESIS
<U2369> IGNORE;IGNORE;IGNORE;<U2369> % APL FUNCTIONAL SYMBOL GREATER-THAN DIAERESIS
<U236A> IGNORE;IGNORE;IGNORE;<U236A> % APL FUNCTIONAL SYMBOL COMMA BAR
<U236B> IGNORE;IGNORE;IGNORE;<U236B> % APL FUNCTIONAL SYMBOL DEL TILDE
<U236C> IGNORE;IGNORE;IGNORE;<U236C> % APL FUNCTIONAL SYMBOL ZILDE
<U236D> IGNORE;IGNORE;IGNORE;<U236D> % APL FUNCTIONAL SYMBOL STILE TILDE
<U236E> IGNORE;IGNORE;IGNORE;<U236E> % APL FUNCTIONAL SYMBOL SEMICOLON UNDERBAR
<U236F> IGNORE;IGNORE;IGNORE;<U236F> % APL FUNCTIONAL SYMBOL QUAD NOT EQUAL
<U2370> IGNORE;IGNORE;IGNORE;<U2370> % APL FUNCTIONAL SYMBOL QUAD QUESTION
<U2371> IGNORE;IGNORE;IGNORE;<U2371> % APL FUNCTIONAL SYMBOL DOWN CARET TILDE
<U2372> IGNORE;IGNORE;IGNORE;<U2372> % APL FUNCTIONAL SYMBOL UP CARET TILDE
<U2373> IGNORE;IGNORE;IGNORE;<U2373> % APL FUNCTIONAL SYMBOL IOTA
<U2374> IGNORE;IGNORE;IGNORE;<U2374> % APL FUNCTIONAL SYMBOL RHO
<U2375> IGNORE;IGNORE;IGNORE;<U2375> % APL FUNCTIONAL SYMBOL OMEGA
<U2376> IGNORE;IGNORE;IGNORE;<U2376> % APL FUNCTIONAL SYMBOL ALPHA UNDERBAR
<U2377> IGNORE;IGNORE;IGNORE;<U2377> % APL FUNCTIONAL SYMBOL EPSILON UNDERBAR
<U2378> IGNORE;IGNORE;IGNORE;<U2378> % APL FUNCTIONAL SYMBOL IOTA UNDERBAR
<U2379> IGNORE;IGNORE;IGNORE;<U2379> % APL FUNCTIONAL SYMBOL OMEGA UNDERBAR
<U237A> IGNORE;IGNORE;IGNORE;<U237A> % APL FUNCTIONAL SYMBOL ALPHA
<U2400> IGNORE;IGNORE;IGNORE;<U2400> % SYMBOL FOR NULL
<U2401> IGNORE;IGNORE;IGNORE;<U2401> % SYMBOL FOR START OF HEADING
<U2402> IGNORE;IGNORE;IGNORE;<U2402> % SYMBOL FOR START OF TEXT
<U2403> IGNORE;IGNORE;IGNORE;<U2403> % SYMBOL FOR END OF TEXT
<U2404> IGNORE;IGNORE;IGNORE;<U2404> % SYMBOL FOR END OF TRANSMISSION
<U2405> IGNORE;IGNORE;IGNORE;<U2405> % SYMBOL FOR ENQUIRY
<U2406> IGNORE;IGNORE;IGNORE;<U2406> % SYMBOL FOR ACKNOWLEDGE
<U2407> IGNORE;IGNORE;IGNORE;<U2407> % SYMBOL FOR BELL

<U2408> IGNORE;IGNORE;IGNORE;<U2408> % SYMBOL FOR BACKSPACE
<U2409> IGNORE;IGNORE;IGNORE;<U2409> % SYMBOL FOR HORIZONTAL TABULATION
<U240A> IGNORE;IGNORE;IGNORE;<U240A> % SYMBOL FOR LINE FEED
<U240B> IGNORE;IGNORE;IGNORE;<U240B> % SYMBOL FOR VERTICAL TABULATION
<U240C> IGNORE;IGNORE;IGNORE;<U240C> % SYMBOL FOR FORM FEED
<U240D> IGNORE;IGNORE;IGNORE;<U240D> % SYMBOL FOR CARRIAGE RETURN
<U240E> IGNORE;IGNORE;IGNORE;<U240E> % SYMBOL FOR SHIFT OUT
<U240F> IGNORE;IGNORE;IGNORE;<U240F> % SYMBOL FOR SHIFT IN
<U2410> IGNORE;IGNORE;IGNORE;<U2410> % SYMBOL FOR DATA LINK ESCAPE
<U2411> IGNORE;IGNORE;IGNORE;<U2411> % SYMBOL FOR DEVICE CONTROL ONE
<U2412> IGNORE;IGNORE;IGNORE;<U2412> % SYMBOL FOR DEVICE CONTROL TWO
<U2413> IGNORE;IGNORE;IGNORE;<U2413> % SYMBOL FOR DEVICE CONTROL THREE
<U2414> IGNORE;IGNORE;IGNORE;<U2414> % SYMBOL FOR DEVICE CONTROL FOUR
<U2415> IGNORE;IGNORE;IGNORE;<U2415> % SYMBOL FOR NEGATIVE ACKNOWLEDGE
<U2416> IGNORE;IGNORE;IGNORE;<U2416> % SYMBOL FOR SYNCHRONOUS IDLE
<U2417> IGNORE;IGNORE;IGNORE;<U2417> % SYMBOL FOR END OF TRANSMISSION BLOCK
<U2418> IGNORE;IGNORE;IGNORE;<U2418> % SYMBOL FOR CANCEL
<U2419> IGNORE;IGNORE;IGNORE;<U2419> % SYMBOL FOR END OF MEDIUM
<U241A> IGNORE;IGNORE;IGNORE;<U241A> % SYMBOL FOR SUBSTITUTE
<U241B> IGNORE;IGNORE;IGNORE;<U241B> % SYMBOL FOR ESCAPE
<U241C> IGNORE;IGNORE;IGNORE;<U241C> % SYMBOL FOR FILE SEPARATOR
<U241D> IGNORE;IGNORE;IGNORE;<U241D> % SYMBOL FOR GROUP SEPARATOR
<U241E> IGNORE;IGNORE;IGNORE;<U241E> % SYMBOL FOR RECORD SEPARATOR
<U241F> IGNORE;IGNORE;IGNORE;<U241F> % SYMBOL FOR UNIT SEPARATOR
<U2420> IGNORE;IGNORE;IGNORE;<U2420> % SYMBOL FOR SPACE
<U2421> IGNORE;IGNORE;IGNORE;<U2421> % SYMBOL FOR DELETE
<U2422> IGNORE;IGNORE;IGNORE;<U2422> % BLANK SYMBOL
<U2423> IGNORE;IGNORE;IGNORE;<U2423> % OPEN BOX
<U2424> IGNORE;IGNORE;IGNORE;<U2424> % SYMBOL FOR NEWLINE
<U2440> IGNORE;IGNORE;IGNORE;<U2440> % OCR HOOK
<U2441> IGNORE;IGNORE;IGNORE;<U2441> % OCR CHAIR
<U2442> IGNORE;IGNORE;IGNORE;<U2442> % OCR FORK
<U2443> IGNORE;IGNORE;IGNORE;<U2443> % OCR INVERTED FORK
<U2444> IGNORE;IGNORE;IGNORE;<U2444> % OCR BELT BUCKLE
<U2445> IGNORE;IGNORE;IGNORE;<U2445> % OCR BOW TIE
<U2446> IGNORE;IGNORE;IGNORE;<U2446> % OCR BRANCH BANK IDENTIFICATION
<U2447> IGNORE;IGNORE;IGNORE;<U2447> % OCR AMOUNT OF CHECK
<U2448> IGNORE;IGNORE;IGNORE;<U2448> % OCR DASH
<U2449> IGNORE;IGNORE;IGNORE;<U2449> % OCR CUSTOMER ACCOUNT NUMBER
<U244A> IGNORE;IGNORE;IGNORE;<U244A> % OCR DOUBLE BACKSLASH
<U2500> IGNORE;IGNORE;IGNORE;<U2500> % BOX DRAWINGS LIGHT HORIZONTAL
<U2501> IGNORE;IGNORE;IGNORE;<U2501> % BOX DRAWINGS HEAVY HORIZONTAL
<U2502> IGNORE;IGNORE;IGNORE;<U2502> % BOX DRAWINGS LIGHT VERTICAL
<U2503> IGNORE;IGNORE;IGNORE;<U2503> % BOX DRAWINGS HEAVY VERTICAL
<U2504> IGNORE;IGNORE;IGNORE;<U2504> % BOX DRAWINGS LIGHT TRIPLE DASH HORIZONTAL
<U2505> IGNORE;IGNORE;IGNORE;<U2505> % BOX DRAWINGS HEAVY TRIPLE DASH HORIZONTAL
<U2506> IGNORE;IGNORE;IGNORE;<U2506> % BOX DRAWINGS LIGHT TRIPLE DASH VERTICAL
<U2507> IGNORE;IGNORE;IGNORE;<U2507> % BOX DRAWINGS HEAVY TRIPLE DASH VERTICAL
<U2508> IGNORE;IGNORE;IGNORE;<U2508> % BOX DRAWINGS LIGHT QUADRUPLE DASH HORIZONTAL
<U2509> IGNORE;IGNORE;IGNORE;<U2509> % BOX DRAWINGS HEAVY QUADRUPLE DASH HORIZONTAL
<U250A> IGNORE;IGNORE;IGNORE;<U250A> % BOX DRAWINGS LIGHT QUADRUPLE DASH VERTICAL
<U250B> IGNORE;IGNORE;IGNORE;<U250B> % BOX DRAWINGS HEAVY QUADRUPLE DASH VERTICAL
<U250C> IGNORE;IGNORE;IGNORE;<U250C> % BOX DRAWINGS LIGHT DOWN AND RIGHT
<U250D> IGNORE;IGNORE;IGNORE;<U250D> % BOX DRAWINGS DOWN LIGHT AND RIGHT HEAVY
<U250E> IGNORE;IGNORE;IGNORE;<U250E> % BOX DRAWINGS DOWN HEAVY AND RIGHT LIGHT
<U250F> IGNORE;IGNORE;IGNORE;<U250F> % BOX DRAWINGS HEAVY DOWN AND RIGHT
<U2510> IGNORE;IGNORE;IGNORE;<U2510> % BOX DRAWINGS LIGHT DOWN AND LEFT
<U2511> IGNORE;IGNORE;IGNORE;<U2511> % BOX DRAWINGS DOWN LIGHT AND LEFT HEAVY
<U2512> IGNORE;IGNORE;IGNORE;<U2512> % BOX DRAWINGS DOWN HEAVY AND LEFT LIGHT
<U2513> IGNORE;IGNORE;IGNORE;<U2513> % BOX DRAWINGS HEAVY DOWN AND LEFT
<U2514> IGNORE;IGNORE;IGNORE;<U2514> % BOX DRAWINGS LIGHT UP AND RIGHT
<U2515> IGNORE;IGNORE;IGNORE;<U2515> % BOX DRAWINGS UP LIGHT AND RIGHT HEAVY
<U2516> IGNORE;IGNORE;IGNORE;<U2516> % BOX DRAWINGS UP HEAVY AND RIGHT LIGHT
<U2517> IGNORE;IGNORE;IGNORE;<U2517> % BOX DRAWINGS HEAVY UP AND RIGHT
<U2518> IGNORE;IGNORE;IGNORE;<U2518> % BOX DRAWINGS LIGHT UP AND LEFT
<U2519> IGNORE;IGNORE;IGNORE;<U2519> % BOX DRAWINGS UP LIGHT AND LEFT HEAVY
<U251A> IGNORE;IGNORE;IGNORE;<U251A> % BOX DRAWINGS UP HEAVY AND LEFT LIGHT
<U251B> IGNORE;IGNORE;IGNORE;<U251B> % BOX DRAWINGS HEAVY UP AND LEFT
<U251C> IGNORE;IGNORE;IGNORE;<U251C> % BOX DRAWINGS LIGHT VERTICAL AND RIGHT
<U251D> IGNORE;IGNORE;IGNORE;<U251D> % BOX DRAWINGS VERTICAL LIGHT AND RIGHT HEAVY
<U251E> IGNORE;IGNORE;IGNORE;<U251E> % BOX DRAWINGS UP HEAVY AND RIGHT DOWN LIGHT
<U251F> IGNORE;IGNORE;IGNORE;<U251F> % BOX DRAWINGS DOWN HEAVY AND RIGHT UP LIGHT
<U2520> IGNORE;IGNORE;IGNORE;<U2520> % BOX DRAWINGS VERTICAL HEAVY AND RIGHT LIGHT
<U2521> IGNORE;IGNORE;IGNORE;<U2521> % BOX DRAWINGS DOWN LIGHT AND RIGHT UP HEAVY
<U2522> IGNORE;IGNORE;IGNORE;<U2522> % BOX DRAWINGS UP LIGHT AND RIGHT DOWN HEAVY
<U2523> IGNORE;IGNORE;IGNORE;<U2523> % BOX DRAWINGS HEAVY VERTICAL AND RIGHT
<U2524> IGNORE;IGNORE;IGNORE;<U2524> % BOX DRAWINGS LIGHT VERTICAL AND LEFT
<U2525> IGNORE;IGNORE;IGNORE;<U2525> % BOX DRAWINGS VERTICAL LIGHT AND LEFT HEAVY
<U2526> IGNORE;IGNORE;IGNORE;<U2526> % BOX DRAWINGS UP HEAVY AND LEFT DOWN LIGHT
<U2527> IGNORE;IGNORE;IGNORE;<U2527> % BOX DRAWINGS DOWN HEAVY AND LEFT UP LIGHT
<U2528> IGNORE;IGNORE;IGNORE;<U2528> % BOX DRAWINGS VERTICAL HEAVY AND LEFT LIGHT
<U2529> IGNORE;IGNORE;IGNORE;<U2529> % BOX DRAWINGS DOWN LIGHT AND LEFT UP HEAVY
<U252A> IGNORE;IGNORE;IGNORE;<U252A> % BOX DRAWINGS UP LIGHT AND LEFT DOWN HEAVY
<U252B> IGNORE;IGNORE;IGNORE;<U252B> % BOX DRAWINGS HEAVY VERTICAL AND LEFT
<U252C> IGNORE;IGNORE;IGNORE;<U252C> % BOX DRAWINGS LIGHT DOWN AND HORIZONTAL
<U252D> IGNORE;IGNORE;IGNORE;<U252D> % BOX DRAWINGS LEFT HEAVY AND RIGHT DOWN LIGHT
<U252E> IGNORE;IGNORE;IGNORE;<U252E> % BOX DRAWINGS RIGHT HEAVY AND LEFT DOWN LIGHT

<U252F> IGNORE;IGNORE;IGNORE;<U252F> % BOX DRAWINGS DOWN LIGHT AND HORIZONTAL HEAVY
<U2530> IGNORE;IGNORE;IGNORE;<U2530> % BOX DRAWINGS DOWN HEAVY AND HORIZONTAL LIGHT
<U2531> IGNORE;IGNORE;IGNORE;<U2531> % BOX DRAWINGS RIGHT LIGHT AND LEFT DOWN HEAVY
<U2532> IGNORE;IGNORE;IGNORE;<U2532> % BOX DRAWINGS LEFT LIGHT AND RIGHT DOWN HEAVY
<U2533> IGNORE;IGNORE;IGNORE;<U2533> % BOX DRAWINGS HEAVY DOWN AND HORIZONTAL
<U2534> IGNORE;IGNORE;IGNORE;<U2534> % BOX DRAWINGS LIGHT UP AND HORIZONTAL
<U2535> IGNORE;IGNORE;IGNORE;<U2535> % BOX DRAWINGS LEFT HEAVY AND RIGHT UP LIGHT
<U2536> IGNORE;IGNORE;IGNORE;<U2536> % BOX DRAWINGS RIGHT HEAVY AND LEFT UP LIGHT
<U2537> IGNORE;IGNORE;IGNORE;<U2537> % BOX DRAWINGS UP LIGHT AND HORIZONTAL HEAVY
<U2538> IGNORE;IGNORE;IGNORE;<U2538> % BOX DRAWINGS UP HEAVY AND HORIZONTAL LIGHT
<U2539> IGNORE;IGNORE;IGNORE;<U2539> % BOX DRAWINGS RIGHT LIGHT AND LEFT UP HEAVY
<U253A> IGNORE;IGNORE;IGNORE;<U253A> % BOX DRAWINGS LEFT LIGHT AND RIGHT UP HEAVY
<U253B> IGNORE;IGNORE;IGNORE;<U253B> % BOX DRAWINGS HEAVY UP AND HORIZONTAL
<U253C> IGNORE;IGNORE;IGNORE;<U253C> % BOX DRAWINGS LIGHT VERTICAL AND HORIZONTAL
<U253D> IGNORE;IGNORE;IGNORE;<U253D> % BOX DRAWINGS LEFT HEAVY AND RIGHT VERTICAL LIGHT
<U253E> IGNORE;IGNORE;IGNORE;<U253E> % BOX DRAWINGS RIGHT HEAVY AND LEFT VERTICAL LIGHT
<U253F> IGNORE;IGNORE;IGNORE;<U253F> % BOX DRAWINGS VERTICAL LIGHT AND HORIZONTAL HEAVY
<U2540> IGNORE;IGNORE;IGNORE;<U2540> % BOX DRAWINGS UP HEAVY AND DOWN HORIZONTAL LIGHT
<U2541> IGNORE;IGNORE;IGNORE;<U2541> % BOX DRAWINGS DOWN HEAVY AND UP HORIZONTAL LIGHT
<U2542> IGNORE;IGNORE;IGNORE;<U2542> % BOX DRAWINGS VERTICAL HEAVY AND HORIZONTAL LIGHT
<U2543> IGNORE;IGNORE;IGNORE;<U2543> % BOX DRAWINGS LEFT UP HEAVY AND RIGHT DOWN LIGHT
<U2544> IGNORE;IGNORE;IGNORE;<U2544> % BOX DRAWINGS RIGHT UP HEAVY AND LEFT DOWN LIGHT
<U2545> IGNORE;IGNORE;IGNORE;<U2545> % BOX DRAWINGS LEFT DOWN HEAVY AND RIGHT UP LIGHT
<U2546> IGNORE;IGNORE;IGNORE;<U2546> % BOX DRAWINGS RIGHT DOWN HEAVY AND LEFT UP LIGHT
<U2547> IGNORE;IGNORE;IGNORE;<U2547> % BOX DRAWINGS DOWN LIGHT AND UP HORIZONTAL HEAVY
<U2548> IGNORE;IGNORE;IGNORE;<U2548> % BOX DRAWINGS UP LIGHT AND DOWN HORIZONTAL HEAVY
<U2549> IGNORE;IGNORE;IGNORE;<U2549> % BOX DRAWINGS RIGHT LIGHT AND LEFT VERTICAL HEAVY
<U254A> IGNORE;IGNORE;IGNORE;<U254A> % BOX DRAWINGS LEFT LIGHT AND RIGHT VERTICAL HEAVY
<U254B> IGNORE;IGNORE;IGNORE;<U254B> % BOX DRAWINGS HEAVY VERTICAL AND HORIZONTAL
<U254C> IGNORE;IGNORE;IGNORE;<U254C> % BOX DRAWINGS LIGHT DOUBLE DASH HORIZONTAL
<U254D> IGNORE;IGNORE;IGNORE;<U254D> % BOX DRAWINGS HEAVY DOUBLE DASH HORIZONTAL
<U254E> IGNORE;IGNORE;IGNORE;<U254E> % BOX DRAWINGS LIGHT DOUBLE DASH VERTICAL
<U254F> IGNORE;IGNORE;IGNORE;<U254F> % BOX DRAWINGS HEAVY DOUBLE DASH VERTICAL
<U2550> IGNORE;IGNORE;IGNORE;<U2550> % BOX DRAWINGS DOUBLE HORIZONTAL
<U2551> IGNORE;IGNORE;IGNORE;<U2551> % BOX DRAWINGS DOUBLE VERTICAL
<U2552> IGNORE;IGNORE;IGNORE;<U2552> % BOX DRAWINGS DOWN SINGLE AND RIGHT DOUBLE
<U2553> IGNORE;IGNORE;IGNORE;<U2553> % BOX DRAWINGS DOWN DOUBLE AND RIGHT SINGLE
<U2554> IGNORE;IGNORE;IGNORE;<U2554> % BOX DRAWINGS DOUBLE DOWN AND RIGHT
<U2555> IGNORE;IGNORE;IGNORE;<U2555> % BOX DRAWINGS DOWN SINGLE AND LEFT DOUBLE
<U2556> IGNORE;IGNORE;IGNORE;<U2556> % BOX DRAWINGS DOWN DOUBLE AND LEFT SINGLE
<U2557> IGNORE;IGNORE;IGNORE;<U2557> % BOX DRAWINGS DOUBLE DOWN AND LEFT
<U2558> IGNORE;IGNORE;IGNORE;<U2558> % BOX DRAWINGS UP SINGLE AND RIGHT DOUBLE
<U2559> IGNORE;IGNORE;IGNORE;<U2559> % BOX DRAWINGS UP DOUBLE AND RIGHT SINGLE
<U255A> IGNORE;IGNORE;IGNORE;<U255A> % BOX DRAWINGS DOUBLE UP AND RIGHT
<U255B> IGNORE;IGNORE;IGNORE;<U255B> % BOX DRAWINGS UP SINGLE AND LEFT DOUBLE
<U255C> IGNORE;IGNORE;IGNORE;<U255C> % BOX DRAWINGS UP DOUBLE AND LEFT SINGLE
<U255D> IGNORE;IGNORE;IGNORE;<U255D> % BOX DRAWINGS DOUBLE UP AND LEFT
<U255E> IGNORE;IGNORE;IGNORE;<U255E> % BOX DRAWINGS VERTICAL SINGLE AND RIGHT DOUBLE
<U255F> IGNORE;IGNORE;IGNORE;<U255F> % BOX DRAWINGS VERTICAL DOUBLE AND RIGHT SINGLE
<U2560> IGNORE;IGNORE;IGNORE;<U2560> % BOX DRAWINGS DOUBLE VERTICAL AND RIGHT
<U2561> IGNORE;IGNORE;IGNORE;<U2561> % BOX DRAWINGS VERTICAL SINGLE AND LEFT DOUBLE
<U2562> IGNORE;IGNORE;IGNORE;<U2562> % BOX DRAWINGS VERTICAL DOUBLE AND LEFT SINGLE
<U2563> IGNORE;IGNORE;IGNORE;<U2563> % BOX DRAWINGS DOUBLE VERTICAL AND LEFT
<U2564> IGNORE;IGNORE;IGNORE;<U2564> % BOX DRAWINGS DOWN SINGLE AND HORIZONTAL DOUBLE
<U2565> IGNORE;IGNORE;IGNORE;<U2565> % BOX DRAWINGS DOWN DOUBLE AND HORIZONTAL SINGLE
<U2566> IGNORE;IGNORE;IGNORE;<U2566> % BOX DRAWINGS DOUBLE DOWN AND HORIZONTAL
<U2567> IGNORE;IGNORE;IGNORE;<U2567> % BOX DRAWINGS UP SINGLE AND HORIZONTAL DOUBLE
<U2568> IGNORE;IGNORE;IGNORE;<U2568> % BOX DRAWINGS UP DOUBLE AND HORIZONTAL SINGLE
<U2569> IGNORE;IGNORE;IGNORE;<U2569> % BOX DRAWINGS DOUBLE UP AND HORIZONTAL
<U256A> IGNORE;IGNORE;IGNORE;<U256A> % BOX DRAWINGS VERTICAL SINGLE AND HORIZONTAL DOUBLE
<U256B> IGNORE;IGNORE;IGNORE;<U256B> % BOX DRAWINGS VERTICAL DOUBLE AND HORIZONTAL SINGLE
<U256C> IGNORE;IGNORE;IGNORE;<U256C> % BOX DRAWINGS DOUBLE VERTICAL AND HORIZONTAL
<U256D> IGNORE;IGNORE;IGNORE;<U256D> % BOX DRAWINGS LIGHT ARC DOWN AND RIGHT
<U256E> IGNORE;IGNORE;IGNORE;<U256E> % BOX DRAWINGS LIGHT ARC DOWN AND LEFT
<U256F> IGNORE;IGNORE;IGNORE;<U256F> % BOX DRAWINGS LIGHT ARC UP AND LEFT
<U2570> IGNORE;IGNORE;IGNORE;<U2570> % BOX DRAWINGS LIGHT ARC UP AND RIGHT
<U2571> IGNORE;IGNORE;IGNORE;<U2571> % BOX DRAWINGS LIGHT DIAGONAL UPPER RIGHT TO LOWER LEFT
<U2572> IGNORE;IGNORE;IGNORE;<U2572> % BOX DRAWINGS LIGHT DIAGONAL UPPER LEFT TO LOWER RIGHT
<U2573> IGNORE;IGNORE;IGNORE;<U2573> % BOX DRAWINGS LIGHT DIAGONAL CROSS
<U2574> IGNORE;IGNORE;IGNORE;<U2574> % BOX DRAWINGS LIGHT LEFT
<U2575> IGNORE;IGNORE;IGNORE;<U2575> % BOX DRAWINGS LIGHT UP
<U2576> IGNORE;IGNORE;IGNORE;<U2576> % BOX DRAWINGS LIGHT RIGHT
<U2577> IGNORE;IGNORE;IGNORE;<U2577> % BOX DRAWINGS LIGHT DOWN
<U2578> IGNORE;IGNORE;IGNORE;<U2578> % BOX DRAWINGS HEAVY LEFT
<U2579> IGNORE;IGNORE;IGNORE;<U2579> % BOX DRAWINGS HEAVY UP
<U257A> IGNORE;IGNORE;IGNORE;<U257A> % BOX DRAWINGS HEAVY RIGHT
<U257B> IGNORE;IGNORE;IGNORE;<U257B> % BOX DRAWINGS HEAVY DOWN
<U257C> IGNORE;IGNORE;IGNORE;<U257C> % BOX DRAWINGS LIGHT LEFT AND HEAVY RIGHT
<U257D> IGNORE;IGNORE;IGNORE;<U257D> % BOX DRAWINGS LIGHT UP AND HEAVY DOWN
<U257E> IGNORE;IGNORE;IGNORE;<U257E> % BOX DRAWINGS HEAVY LEFT AND LIGHT RIGHT
<U257F> IGNORE;IGNORE;IGNORE;<U257F> % BOX DRAWINGS HEAVY UP AND LIGHT DOWN
<U2580> IGNORE;IGNORE;IGNORE;<U2580> % UPPER HALF BLOCK
<U2581> IGNORE;IGNORE;IGNORE;<U2581> % LOWER ONE EIGHTH BLOCK
<U2582> IGNORE;IGNORE;IGNORE;<U2582> % LOWER ONE QUARTER BLOCK
<U2583> IGNORE;IGNORE;IGNORE;<U2583> % LOWER THREE EIGHTHS BLOCK
<U2584> IGNORE;IGNORE;IGNORE;<U2584> % LOWER HALF BLOCK
<U2585> IGNORE;IGNORE;IGNORE;<U2585> % LOWER FIVE EIGHTHS BLOCK

<U2586> IGNORE;IGNORE;IGNORE;<U2586> % LOWER THREE QUARTERS BLOCK
<U2587> IGNORE;IGNORE;IGNORE;<U2587> % LOWER SEVEN EIGHTHS BLOCK
<U2588> IGNORE;IGNORE;IGNORE;<U2588> % FULL BLOCK
<U2589> IGNORE;IGNORE;IGNORE;<U2589> % LEFT SEVEN EIGHTHS BLOCK
<U258A> IGNORE;IGNORE;IGNORE;<U258A> % LEFT THREE QUARTERS BLOCK
<U258B> IGNORE;IGNORE;IGNORE;<U258B> % LEFT FIVE EIGHTHS BLOCK
<U258C> IGNORE;IGNORE;IGNORE;<U258C> % LEFT HALF BLOCK
<U258D> IGNORE;IGNORE;IGNORE;<U258D> % LEFT THREE EIGHTHS BLOCK
<U258E> IGNORE;IGNORE;IGNORE;<U258E> % LEFT ONE QUARTER BLOCK
<U258F> IGNORE;IGNORE;IGNORE;<U258F> % LEFT ONE EIGHTH BLOCK
<U2590> IGNORE;IGNORE;IGNORE;<U2590> % RIGHT HALF BLOCK
<U2591> IGNORE;IGNORE;IGNORE;<U2591> % LIGHT SHADE
<U2592> IGNORE;IGNORE;IGNORE;<U2592> % MEDIUM SHADE
<U2593> IGNORE;IGNORE;IGNORE;<U2593> % DARK SHADE
<U2594> IGNORE;IGNORE;IGNORE;<U2594> % UPPER ONE EIGHTH BLOCK
<U2595> IGNORE;IGNORE;IGNORE;<U2595> % RIGHT ONE EIGHTH BLOCK
<U25A0> IGNORE;IGNORE;IGNORE;<U25A0> % BLACK SQUARE
<U25A1> IGNORE;IGNORE;IGNORE;<U25A1> % WHITE SQUARE
<U25A2> IGNORE;IGNORE;IGNORE;<U25A2> % WHITE SQUARE WITH ROUNDED CORNERS
<U25A3> IGNORE;IGNORE;IGNORE;<U25A3> % WHITE SQUARE CONTAINING BLACK SMALL SQUARE
<U25A4> IGNORE;IGNORE;IGNORE;<U25A4> % SQUARE WITH HORIZONTAL FILL
<U25A5> IGNORE;IGNORE;IGNORE;<U25A5> % SQUARE WITH VERTICAL FILL
<U25A6> IGNORE;IGNORE;IGNORE;<U25A6> % SQUARE WITH ORTHOGONAL CROSSHATCH FILL
<U25A7> IGNORE;IGNORE;IGNORE;<U25A7> % SQUARE WITH UPPER LEFT TO LOWER RIGHT FILL
<U25A8> IGNORE;IGNORE;IGNORE;<U25A8> % SQUARE WITH UPPER RIGHT TO LOWER LEFT FILL
<U25A9> IGNORE;IGNORE;IGNORE;<U25A9> % SQUARE WITH DIAGONAL CROSSHATCH FILL
<U25AA> IGNORE;IGNORE;IGNORE;<U25AA> % BLACK SMALL SQUARE
<U25AB> IGNORE;IGNORE;IGNORE;<U25AB> % WHITE SMALL SQUARE
<U25AC> IGNORE;IGNORE;IGNORE;<U25AC> % BLACK RECTANGLE
<U25AD> IGNORE;IGNORE;IGNORE;<U25AD> % WHITE RECTANGLE
<U25AE> IGNORE;IGNORE;IGNORE;<U25AE> % BLACK VERTICAL RECTANGLE
<U25AF> IGNORE;IGNORE;IGNORE;<U25AF> % WHITE VERTICAL RECTANGLE
<U25B0> IGNORE;IGNORE;IGNORE;<U25B0> % BLACK PARALLELOGRAM
<U25B1> IGNORE;IGNORE;IGNORE;<U25B1> % WHITE PARALLELOGRAM
<U25B2> IGNORE;IGNORE;IGNORE;<U25B2> % BLACK UP-POINTING TRIANGLE
<U25B3> IGNORE;IGNORE;IGNORE;<U25B3> % WHITE UP-POINTING TRIANGLE
<U25B4> IGNORE;IGNORE;IGNORE;<U25B4> % BLACK UP-POINTING SMALL TRIANGLE
<U25B5> IGNORE;IGNORE;IGNORE;<U25B5> % WHITE UP-POINTING SMALL TRIANGLE
<U25B6> IGNORE;IGNORE;IGNORE;<U25B6> % BLACK RIGHT-POINTING TRIANGLE
<U25B7> IGNORE;IGNORE;IGNORE;<U25B7> % WHITE RIGHT-POINTING TRIANGLE
<U25B8> IGNORE;IGNORE;IGNORE;<U25B8> % BLACK RIGHT-POINTING SMALL TRIANGLE
<U25B9> IGNORE;IGNORE;IGNORE;<U25B9> % WHITE RIGHT-POINTING SMALL TRIANGLE
<U25BA> IGNORE;IGNORE;IGNORE;<U25BA> % BLACK RIGHT-POINTING POINTER
<U25BB> IGNORE;IGNORE;IGNORE;<U25BB> % WHITE RIGHT-POINTING POINTER
<U25BC> IGNORE;IGNORE;IGNORE;<U25BC> % BLACK DOWN-POINTING TRIANGLE
<U25BD> IGNORE;IGNORE;IGNORE;<U25BD> % WHITE DOWN-POINTING TRIANGLE
<U25BE> IGNORE;IGNORE;IGNORE;<U25BE> % BLACK DOWN-POINTING SMALL TRIANGLE
<U25BF> IGNORE;IGNORE;IGNORE;<U25BF> % WHITE DOWN-POINTING SMALL TRIANGLE
<U25C0> IGNORE;IGNORE;IGNORE;<U25C0> % BLACK LEFT-POINTING TRIANGLE
<U25C1> IGNORE;IGNORE;IGNORE;<U25C1> % WHITE LEFT-POINTING TRIANGLE
<U25C2> IGNORE;IGNORE;IGNORE;<U25C2> % BLACK LEFT-POINTING SMALL TRIANGLE
<U25C3> IGNORE;IGNORE;IGNORE;<U25C3> % WHITE LEFT-POINTING SMALL TRIANGLE
<U25C4> IGNORE;IGNORE;IGNORE;<U25C4> % BLACK LEFT-POINTING POINTER
<U25C5> IGNORE;IGNORE;IGNORE;<U25C5> % WHITE LEFT-POINTING POINTER
<U25C6> IGNORE;IGNORE;IGNORE;<U25C6> % BLACK DIAMOND
<U25C7> IGNORE;IGNORE;IGNORE;<U25C7> % WHITE DIAMOND
<U25C8> IGNORE;IGNORE;IGNORE;<U25C8> % WHITE DIAMOND CONTAINING BLACK SMALL DIAMOND
<U25C9> IGNORE;IGNORE;IGNORE;<U25C9> % FISHEYE
<U25CA> IGNORE;IGNORE;IGNORE;<U25CA> % LOZENGE
<U25CB> IGNORE;IGNORE;IGNORE;<U25CB> % WHITE CIRCLE
<U25CC> IGNORE;IGNORE;IGNORE;<U25CC> % DOTTED CIRCLE
<U25CD> IGNORE;IGNORE;IGNORE;<U25CD> % CIRCLE WITH VERTICAL FILL
<U25CE> IGNORE;IGNORE;IGNORE;<U25CE> % BULLSEYE
<U25CF> IGNORE;IGNORE;IGNORE;<U25CF> % BLACK CIRCLE
<U25D0> IGNORE;IGNORE;IGNORE;<U25D0> % CIRCLE WITH LEFT HALF BLACK
<U25D1> IGNORE;IGNORE;IGNORE;<U25D1> % CIRCLE WITH RIGHT HALF BLACK
<U25D2> IGNORE;IGNORE;IGNORE;<U25D2> % CIRCLE WITH LOWER HALF BLACK
<U25D3> IGNORE;IGNORE;IGNORE;<U25D3> % CIRCLE WITH UPPER HALF BLACK
<U25D4> IGNORE;IGNORE;IGNORE;<U25D4> % CIRCLE WITH UPPER RIGHT QUADRANT BLACK
<U25D5> IGNORE;IGNORE;IGNORE;<U25D5> % CIRCLE WITH ALL BUT UPPER LEFT QUADRANT BLACK
<U25D6> IGNORE;IGNORE;IGNORE;<U25D6> % LEFT HALF BLACK CIRCLE
<U25D7> IGNORE;IGNORE;IGNORE;<U25D7> % RIGHT HALF BLACK CIRCLE
<U25D8> IGNORE;IGNORE;IGNORE;<U25D8> % INVERSE BULLET
<U25D9> IGNORE;IGNORE;IGNORE;<U25D9> % INVERSE WHITE CIRCLE
<U25DA> IGNORE;IGNORE;IGNORE;<U25DA> % UPPER HALF INVERSE WHITE CIRCLE
<U25DB> IGNORE;IGNORE;IGNORE;<U25DB> % LOWER HALF INVERSE WHITE CIRCLE
<U25DC> IGNORE;IGNORE;IGNORE;<U25DC> % UPPER LEFT QUADRANT CIRCULAR ARC
<U25DD> IGNORE;IGNORE;IGNORE;<U25DD> % UPPER RIGHT QUADRANT CIRCULAR ARC
<U25DE> IGNORE;IGNORE;IGNORE;<U25DE> % LOWER RIGHT QUADRANT CIRCULAR ARC
<U25DF> IGNORE;IGNORE;IGNORE;<U25DF> % LOWER LEFT QUADRANT CIRCULAR ARC
<U25E0> IGNORE;IGNORE;IGNORE;<U25E0> % UPPER HALF CIRCLE
<U25E1> IGNORE;IGNORE;IGNORE;<U25E1> % LOWER HALF CIRCLE
<U25E2> IGNORE;IGNORE;IGNORE;<U25E2> % BLACK LOWER RIGHT TRIANGLE
<U25E3> IGNORE;IGNORE;IGNORE;<U25E3> % BLACK LOWER LEFT TRIANGLE
<U25E4> IGNORE;IGNORE;IGNORE;<U25E4> % BLACK UPPER LEFT TRIANGLE
<U25E5> IGNORE;IGNORE;IGNORE;<U25E5> % BLACK UPPER RIGHT TRIANGLE
<U25E6> IGNORE;IGNORE;IGNORE;<U25E6> % WHITE BULLET

<U25E7> IGNORE;IGNORE;IGNORE;<U25E7> % SQUARE WITH LEFT HALF BLACK
<U25E8> IGNORE;IGNORE;IGNORE;<U25E8> % SQUARE WITH RIGHT HALF BLACK
<U25E9> IGNORE;IGNORE;IGNORE;<U25E9> % SQUARE WITH UPPER LEFT DIAGONAL HALF BLACK
<U25EA> IGNORE;IGNORE;IGNORE;<U25EA> % SQUARE WITH LOWER RIGHT DIAGONAL HALF BLACK
<U25EB> IGNORE;IGNORE;IGNORE;<U25EB> % WHITE SQUARE WITH VERTICAL BISECTING LINE
<U25EC> IGNORE;IGNORE;IGNORE;<U25EC> % WHITE UP-POINTING TRIANGLE WITH DOT
<U25ED> IGNORE;IGNORE;IGNORE;<U25ED> % UP-POINTING TRIANGLE WITH LEFT HALF BLACK
<U25EE> IGNORE;IGNORE;IGNORE;<U25EE> % UP-POINTING TRIANGLE WITH RIGHT HALF BLACK
<U25EF> IGNORE;IGNORE;IGNORE;<U25EF> % LARGE CIRCLE
<U2600> IGNORE;IGNORE;IGNORE;<U2600> % BLACK SUN WITH RAYS
<U2601> IGNORE;IGNORE;IGNORE;<U2601> % CLOUD
<U2602> IGNORE;IGNORE;IGNORE;<U2602> % UMBRELLA
<U2603> IGNORE;IGNORE;IGNORE;<U2603> % SNOWMAN
<U2604> IGNORE;IGNORE;IGNORE;<U2604> % COMET
<U2605> IGNORE;IGNORE;IGNORE;<U2605> % BLACK STAR
<U2606> IGNORE;IGNORE;IGNORE;<U2606> % WHITE STAR
<U2607> IGNORE;IGNORE;IGNORE;<U2607> % LIGHTNING
<U2608> IGNORE;IGNORE;IGNORE;<U2608> % THUNDERSTORM
<U2609> IGNORE;IGNORE;IGNORE;<U2609> % SUN
<U260A> IGNORE;IGNORE;IGNORE;<U260A> % ASCENDING NODE
<U260B> IGNORE;IGNORE;IGNORE;<U260B> % DESCENDING NODE
<U260C> IGNORE;IGNORE;IGNORE;<U260C> % CONJUNCTION
<U260D> IGNORE;IGNORE;IGNORE;<U260D> % OPPOSITION
<U260E> IGNORE;IGNORE;IGNORE;<U260E> % BLACK TELEPHONE
<U260F> IGNORE;IGNORE;IGNORE;<U260F> % WHITE TELEPHONE
<U2610> IGNORE;IGNORE;IGNORE;<U2610> % BALLOT BOX
<U2611> IGNORE;IGNORE;IGNORE;<U2611> % BALLOT BOX WITH CHECK
<U2612> IGNORE;IGNORE;IGNORE;<U2612> % BALLOT BOX WITH X
<U2613> IGNORE;IGNORE;IGNORE;<U2613> % SALTIRE
<U261A> IGNORE;IGNORE;IGNORE;<U261A> % BLACK LEFT POINTING INDEX
<U261B> IGNORE;IGNORE;IGNORE;<U261B> % BLACK RIGHT POINTING INDEX
<U261C> IGNORE;IGNORE;IGNORE;<U261C> % WHITE LEFT POINTING INDEX
<U261D> IGNORE;IGNORE;IGNORE;<U261D> % WHITE UP POINTING INDEX
<U261E> IGNORE;IGNORE;IGNORE;<U261E> % WHITE RIGHT POINTING INDEX
<U261F> IGNORE;IGNORE;IGNORE;<U261F> % WHITE DOWN POINTING INDEX
<U2620> IGNORE;IGNORE;IGNORE;<U2620> % SKULL AND CROSSBONES
<U2621> IGNORE;IGNORE;IGNORE;<U2621> % CAUTION SIGN
<U2622> IGNORE;IGNORE;IGNORE;<U2622> % RADIOACTIVE SIGN
<U2623> IGNORE;IGNORE;IGNORE;<U2623> % BIOHAZARD SIGN
<U2624> IGNORE;IGNORE;IGNORE;<U2624> % CADUCEUS
<U2625> IGNORE;IGNORE;IGNORE;<U2625> % ANKH
<U2626> IGNORE;IGNORE;IGNORE;<U2626> % ORTHODOX CROSS
<U2627> IGNORE;IGNORE;IGNORE;<U2627> % CHI RHO
<U2628> IGNORE;IGNORE;IGNORE;<U2628> % CROSS OF LORRAINE
<U2629> IGNORE;IGNORE;IGNORE;<U2629> % CROSS OF JERUSALEM
<U262A> IGNORE;IGNORE;IGNORE;<U262A> % STAR AND CRESCENT
<U262B> IGNORE;IGNORE;IGNORE;<U262B> % FARSI SYMBOL
<U262C> IGNORE;IGNORE;IGNORE;<U262C> % ADI SHAKTI
<U262D> IGNORE;IGNORE;IGNORE;<U262D> % HAMMER AND SICKLE
<U262E> IGNORE;IGNORE;IGNORE;<U262E> % PEACE SYMBOL
<U262F> IGNORE;IGNORE;IGNORE;<U262F> % YIN YANG
<U2630> IGNORE;IGNORE;IGNORE;<U2630> % TRIGRAM FOR HEAVEN
<U2631> IGNORE;IGNORE;IGNORE;<U2631> % TRIGRAM FOR LAKE
<U2632> IGNORE;IGNORE;IGNORE;<U2632> % TRIGRAM FOR FIRE
<U2633> IGNORE;IGNORE;IGNORE;<U2633> % TRIGRAM FOR THUNDER
<U2634> IGNORE;IGNORE;IGNORE;<U2634> % TRIGRAM FOR WIND
<U2635> IGNORE;IGNORE;IGNORE;<U2635> % TRIGRAM FOR WATER
<U2636> IGNORE;IGNORE;IGNORE;<U2636> % TRIGRAM FOR MOUNTAIN
<U2637> IGNORE;IGNORE;IGNORE;<U2637> % TRIGRAM FOR EARTH
<U2638> IGNORE;IGNORE;IGNORE;<U2638> % WHEEL OF DHARMA
<U2639> IGNORE;IGNORE;IGNORE;<U2639> % WHITE FROWNING FACE
<U263A> IGNORE;IGNORE;IGNORE;<U263A> % WHITE SMILING FACE
<U263B> IGNORE;IGNORE;IGNORE;<U263B> % BLACK SMILING FACE
<U263C> IGNORE;IGNORE;IGNORE;<U263C> % WHITE SUN WITH RAYS
<U263D> IGNORE;IGNORE;IGNORE;<U263D> % FIRST QUARTER MOON
<U263E> IGNORE;IGNORE;IGNORE;<U263E> % LAST QUARTER MOON
<U263F> IGNORE;IGNORE;IGNORE;<U263F> % MERCURY
<U2640> IGNORE;IGNORE;IGNORE;<U2640> % FEMALE SIGN
<U2641> IGNORE;IGNORE;IGNORE;<U2641> % EARTH
<U2642> IGNORE;IGNORE;IGNORE;<U2642> % MALE SIGN
<U2643> IGNORE;IGNORE;IGNORE;<U2643> % JUPITER
<U2644> IGNORE;IGNORE;IGNORE;<U2644> % SATURN
<U2645> IGNORE;IGNORE;IGNORE;<U2645> % URANUS
<U2646> IGNORE;IGNORE;IGNORE;<U2646> % NEPTUNE
<U2647> IGNORE;IGNORE;IGNORE;<U2647> % PLUTO
<U2648> IGNORE;IGNORE;IGNORE;<U2648> % ARIES
<U2649> IGNORE;IGNORE;IGNORE;<U2649> % TAURUS
<U264A> IGNORE;IGNORE;IGNORE;<U264A> % GEMINI
<U264B> IGNORE;IGNORE;IGNORE;<U264B> % CANCER
<U264C> IGNORE;IGNORE;IGNORE;<U264C> % LEO
<U264D> IGNORE;IGNORE;IGNORE;<U264D> % VIRGO
<U264E> IGNORE;IGNORE;IGNORE;<U264E> % LIBRA
<U264F> IGNORE;IGNORE;IGNORE;<U264F> % SCORPIUS
<U2650> IGNORE;IGNORE;IGNORE;<U2650> % SAGITTARIUS
<U2651> IGNORE;IGNORE;IGNORE;<U2651> % CAPRICORN
<U2652> IGNORE;IGNORE;IGNORE;<U2652> % AQUARIUS
<U2653> IGNORE;IGNORE;IGNORE;<U2653> % PISCES

<U2654> IGNORE;IGNORE;IGNORE;<U2654> % WHITE CHESS KING
<U2655> IGNORE;IGNORE;IGNORE;<U2655> % WHITE CHESS QUEEN
<U2656> IGNORE;IGNORE;IGNORE;<U2656> % WHITE CHESS ROOK
<U2657> IGNORE;IGNORE;IGNORE;<U2657> % WHITE CHESS BISHOP
<U2658> IGNORE;IGNORE;IGNORE;<U2658> % WHITE CHESS KNIGHT
<U2659> IGNORE;IGNORE;IGNORE;<U2659> % WHITE CHESS PAWN
<U265A> IGNORE;IGNORE;IGNORE;<U265A> % BLACK CHESS KING
<U265B> IGNORE;IGNORE;IGNORE;<U265B> % BLACK CHESS QUEEN
<U265C> IGNORE;IGNORE;IGNORE;<U265C> % BLACK CHESS ROOK
<U265D> IGNORE;IGNORE;IGNORE;<U265D> % BLACK CHESS BISHOP
<U265E> IGNORE;IGNORE;IGNORE;<U265E> % BLACK CHESS KNIGHT
<U265F> IGNORE;IGNORE;IGNORE;<U265F> % BLACK CHESS PAWN
<U2660> IGNORE;IGNORE;IGNORE;<U2660> % BLACK SPADE SUIT
<U2661> IGNORE;IGNORE;IGNORE;<U2661> % WHITE HEART SUIT
<U2662> IGNORE;IGNORE;IGNORE;<U2662> % WHITE DIAMOND SUIT
<U2663> IGNORE;IGNORE;IGNORE;<U2663> % BLACK CLUB SUIT
<U2664> IGNORE;IGNORE;IGNORE;<U2664> % WHITE SPADE SUIT
<U2665> IGNORE;IGNORE;IGNORE;<U2665> % BLACK HEART SUIT
<U2666> IGNORE;IGNORE;IGNORE;<U2666> % BLACK DIAMOND SUIT
<U2667> IGNORE;IGNORE;IGNORE;<U2667> % WHITE CLUB SUIT
<U2668> IGNORE;IGNORE;IGNORE;<U2668> % HOT SPRINGS
<U2669> IGNORE;IGNORE;IGNORE;<U2669> % QUARTER NOTE
<U266A> IGNORE;IGNORE;IGNORE;<U266A> % EIGHTH NOTE
<U266B> IGNORE;IGNORE;IGNORE;<U266B> % BEAMED EIGHTH NOTES
<U266C> IGNORE;IGNORE;IGNORE;<U266C> % BEAMED SIXTEENTH NOTES
<U2701> IGNORE;IGNORE;IGNORE;<U2701> % UPPER BLADE SCISSORS
<U2702> IGNORE;IGNORE;IGNORE;<U2702> % BLACK SCISSORS
<U2703> IGNORE;IGNORE;IGNORE;<U2703> % LOWER BLADE SCISSORS
<U2704> IGNORE;IGNORE;IGNORE;<U2704> % WHITE SCISSORS
<U2706> IGNORE;IGNORE;IGNORE;<U2706> % TELEPHONE LOCATION SIGN
<U2707> IGNORE;IGNORE;IGNORE;<U2707> % TAPE DRIVE
<U2708> IGNORE;IGNORE;IGNORE;<U2708> % AIRPLANE
<U2709> IGNORE;IGNORE;IGNORE;<U2709> % ENVELOPE
<U270C> IGNORE;IGNORE;IGNORE;<U270C> % VICTORY HAND
<U270D> IGNORE;IGNORE;IGNORE;<U270D> % WRITING HAND
<U270E> IGNORE;IGNORE;IGNORE;<U270E> % LOWER RIGHT PENCIL
<U270F> IGNORE;IGNORE;IGNORE;<U270F> % PENCIL
<U2710> IGNORE;IGNORE;IGNORE;<U2710> % UPPER RIGHT PENCIL
<U2711> IGNORE;IGNORE;IGNORE;<U2711> % WHITE NIB
<U2712> IGNORE;IGNORE;IGNORE;<U2712> % BLACK NIB
<U2713> IGNORE;IGNORE;IGNORE;<U2713> % CHECK MARK
<U2714> IGNORE;IGNORE;IGNORE;<U2714> % HEAVY CHECK MARK
<U2715> IGNORE;IGNORE;IGNORE;<U2715> % MULTIPLICATION X
<U2716> IGNORE;IGNORE;IGNORE;<U2716> % HEAVY MULTIPLICATION X
<U2717> IGNORE;IGNORE;IGNORE;<U2717> % BALLOT X
<U2718> IGNORE;IGNORE;IGNORE;<U2718> % HEAVY BALLOT X
<U2719> IGNORE;IGNORE;IGNORE;<U2719> % OUTLINED GREEK CROSS
<U271A> IGNORE;IGNORE;IGNORE;<U271A> % HEAVY GREEK CROSS
<U271B> IGNORE;IGNORE;IGNORE;<U271B> % OPEN CENTRE CROSS
<U271C> IGNORE;IGNORE;IGNORE;<U271C> % HEAVY OPEN CENTRE CROSS
<U271D> IGNORE;IGNORE;IGNORE;<U271D> % LATIN CROSS
<U271E> IGNORE;IGNORE;IGNORE;<U271E> % SHADOWED WHITE LATIN CROSS
<U271F> IGNORE;IGNORE;IGNORE;<U271F> % OUTLINED LATIN CROSS
<U2720> IGNORE;IGNORE;IGNORE;<U2720> % MALTESE CROSS
<U2721> IGNORE;IGNORE;IGNORE;<U2721> % STAR OF DAVID
<U2722> IGNORE;IGNORE;IGNORE;<U2722> % FOUR TEARDROP-SPOKED ASTERISK
<U2723> IGNORE;IGNORE;IGNORE;<U2723> % FOUR BALLOON-SPOKED ASTERISK
<U2724> IGNORE;IGNORE;IGNORE;<U2724> % HEAVY FOUR BALLOON-SPOKED ASTERISK
<U2725> IGNORE;IGNORE;IGNORE;<U2725> % FOUR CLUB-SPOKED ASTERISK
<U2726> IGNORE;IGNORE;IGNORE;<U2726> % BLACK FOUR POINTED STAR
<U2727> IGNORE;IGNORE;IGNORE;<U2727> % WHITE FOUR POINTED STAR
<U2729> IGNORE;IGNORE;IGNORE;<U2729> % STRESS OUTLINED WHITE STAR
<U272A> IGNORE;IGNORE;IGNORE;<U272A> % CIRCLED WHITE STAR
<U272B> IGNORE;IGNORE;IGNORE;<U272B> % OPEN CENTRE BLACK STAR
<U272C> IGNORE;IGNORE;IGNORE;<U272C> % BLACK CENTRE WHITE STAR
<U272D> IGNORE;IGNORE;IGNORE;<U272D> % OUTLINED BLACK STAR
<U272E> IGNORE;IGNORE;IGNORE;<U272E> % HEAVY OUTLINED BLACK STAR
<U272F> IGNORE;IGNORE;IGNORE;<U272F> % PINWHEEL STAR
<U2730> IGNORE;IGNORE;IGNORE;<U2730> % SHADOWED WHITE STAR
<U2731> IGNORE;IGNORE;IGNORE;<U2731> % HEAVY ASTERISK
<U2732> IGNORE;IGNORE;IGNORE;<U2732> % OPEN CENTRE ASTERISK
<U2733> IGNORE;IGNORE;IGNORE;<U2733> % EIGHT SPOKED ASTERISK
<U2734> IGNORE;IGNORE;IGNORE;<U2734> % EIGHT POINTED BLACK STAR
<U2735> IGNORE;IGNORE;IGNORE;<U2735> % EIGHT POINTED PINWHEEL STAR
<U2736> IGNORE;IGNORE;IGNORE;<U2736> % SIX POINTED BLACK STAR
<U2737> IGNORE;IGNORE;IGNORE;<U2737> % EIGHT POINTED RECTILINEAR BLACK STAR
<U2738> IGNORE;IGNORE;IGNORE;<U2738> % HEAVY EIGHT POINTED RECTILINEAR BLACK STAR
<U2739> IGNORE;IGNORE;IGNORE;<U2739> % TWELVE POINTED BLACK STAR
<U273A> IGNORE;IGNORE;IGNORE;<U273A> % SIXTEEN POINTED ASTERISK
<U273B> IGNORE;IGNORE;IGNORE;<U273B> % TEARDROP-SPOKED ASTERISK
<U273C> IGNORE;IGNORE;IGNORE;<U273C> % OPEN CENTRE TEARDROP-SPOKED ASTERISK
<U273D> IGNORE;IGNORE;IGNORE;<U273D> % HEAVY TEARDROP-SPOKED ASTERISK
<U273E> IGNORE;IGNORE;IGNORE;<U273E> % SIX PETALLED BLACK AND WHITE FLORETTE
<U273F> IGNORE;IGNORE;IGNORE;<U273F> % BLACK FLORETTE
<U2740> IGNORE;IGNORE;IGNORE;<U2740> % WHITE FLORETTE
<U2741> IGNORE;IGNORE;IGNORE;<U2741> % EIGHT PETALLED OUTLINED BLACK FLORETTE
<U2742> IGNORE;IGNORE;IGNORE;<U2742> % CIRCLED OPEN CENTRE EIGHT POINTED STAR

<U2743> IGNORE;IGNORE;IGNORE;<U2743> % HEAVY TEARDROP-SPOKED PINWHEEL ASTERISK
<U2744> IGNORE;IGNORE;IGNORE;<U2744> % SNOWFLAKE
<U2745> IGNORE;IGNORE;IGNORE;<U2745> % TIGHT TRIFOLIATE SNOWFLAKE
<U2746> IGNORE;IGNORE;IGNORE;<U2746> % HEAVY CHEVRON SNOWFLAKE
<U2747> IGNORE;IGNORE;IGNORE;<U2747> % SPARKLE
<U2748> IGNORE;IGNORE;IGNORE;<U2748> % HEAVY SPARKLE
<U2749> IGNORE;IGNORE;IGNORE;<U2749> % BALLOON-SPOKED ASTERISK
<U274A> IGNORE;IGNORE;IGNORE;<U274A> % EIGHT TEARDROP-SPOKED PROPELLER ASTERISK
<U274B> IGNORE;IGNORE;IGNORE;<U274B> % HEAVY EIGHT TEARDROP-SPOKED PROPELLER ASTERISK
<U274D> IGNORE;IGNORE;IGNORE;<U274D> % SHADOWED WHITE CIRCLE
<U274F> IGNORE;IGNORE;IGNORE;<U274F> % LOWER RIGHT DROP-SHADOWED WHITE SQUARE
<U2750> IGNORE;IGNORE;IGNORE;<U2750> % UPPER RIGHT DROP-SHADOWED WHITE SQUARE
<U2751> IGNORE;IGNORE;IGNORE;<U2751> % LOWER RIGHT SHADOWED WHITE SQUARE
<U2752> IGNORE;IGNORE;IGNORE;<U2752> % UPPER RIGHT SHADOWED WHITE SQUARE
<U2756> IGNORE;IGNORE;IGNORE;<U2756> % BLACK DIAMOND MINUS WHITE X
<U2758> IGNORE;IGNORE;IGNORE;<U2758> % LIGHT VERTICAL BAR
<U2759> IGNORE;IGNORE;IGNORE;<U2759> % MEDIUM VERTICAL BAR
<U275A> IGNORE;IGNORE;IGNORE;<U275A> % HEAVY VERTICAL BAR
<U275B> IGNORE;IGNORE;IGNORE;<U275B> % HEAVY SINGLE TURNED COMMA QUOTATION MARK ORNAMENT
<U275C> IGNORE;IGNORE;IGNORE;<U275C> % HEAVY SINGLE COMMA QUOTATION MARK ORNAMENT
<U275D> IGNORE;IGNORE;IGNORE;<U275D> % HEAVY DOUBLE TURNED COMMA QUOTATION MARK ORNAMENT
<U275E> IGNORE;IGNORE;IGNORE;<U275E> % HEAVY DOUBLE COMMA QUOTATION MARK ORNAMENT
<U2761> IGNORE;IGNORE;IGNORE;<U2761> % CURVED STEM PARAGRAPH SIGN ORNAMENT
<U2762> IGNORE;IGNORE;IGNORE;<U2762> % HEAVY EXCLAMATION MARK ORNAMENT
<U2763> IGNORE;IGNORE;IGNORE;<U2763> % HEAVY HEART EXCLAMATION MARK ORNAMENT
<U2764> IGNORE;IGNORE;IGNORE;<U2764> % HEAVY BLACK HEART
<U2765> IGNORE;IGNORE;IGNORE;<U2765> % ROTATED HEAVY BLACK HEART BULLET
<U2766> IGNORE;IGNORE;IGNORE;<U2766> % FLORAL HEART
<U2767> IGNORE;IGNORE;IGNORE;<U2767> % ROTATED FLORAL HEART BULLET
<U277F> IGNORE;IGNORE;IGNORE;<U277F> % DINGBAT NEGATIVE CIRCLED NUMBER TEN
<U2789> IGNORE;IGNORE;IGNORE;<U2789> % DINGBAT CIRCLED SANS-SERIF NUMBER TEN
<U2793> IGNORE;IGNORE;IGNORE;<U2793> % DINGBAT NEGATIVE CIRCLED SANS-SERIF NUMBER TEN
<U2794> IGNORE;IGNORE;IGNORE;<U2794> % HEAVY WIDE-HEADED RIGHTWARDS ARROW
<U2798> IGNORE;IGNORE;IGNORE;<U2798> % HEAVY SOUTH EAST ARROW
<U2799> IGNORE;IGNORE;IGNORE;<U2799> % HEAVY RIGHTWARDS ARROW
<U279A> IGNORE;IGNORE;IGNORE;<U279A> % HEAVY NORTH EAST ARROW
<U279B> IGNORE;IGNORE;IGNORE;<U279B> % DRAFTING POINT RIGHTWARDS ARROW
<U279C> IGNORE;IGNORE;IGNORE;<U279C> % HEAVY ROUND-TIPPED RIGHTWARDS ARROW
<U279D> IGNORE;IGNORE;IGNORE;<U279D> % TRIANGLE-HEADED RIGHTWARDS ARROW
<U279E> IGNORE;IGNORE;IGNORE;<U279E> % HEAVY TRIANGLE-HEADED RIGHTWARDS ARROW
<U279F> IGNORE;IGNORE;IGNORE;<U279F> % DASHED TRIANGLE-HEADED RIGHTWARDS ARROW
<U27A0> IGNORE;IGNORE;IGNORE;<U27A0> % HEAVY DASHED TRIANGLE-HEADED RIGHTWARDS ARROW
<U27A1> IGNORE;IGNORE;IGNORE;<U27A1> % BLACK RIGHTWARDS ARROW
<U27A2> IGNORE;IGNORE;IGNORE;<U27A2> % THREE-D TOP-LIGHTED RIGHTWARDS ARROWHEAD
<U27A3> IGNORE;IGNORE;IGNORE;<U27A3> % THREE-D BOTTOM-LIGHTED RIGHTWARDS ARROWHEAD
<U27A4> IGNORE;IGNORE;IGNORE;<U27A4> % BLACK RIGHTWARDS ARROWHEAD
<U27A5> IGNORE;IGNORE;IGNORE;<U27A5> % HEAVY BLACK CURVED DOWNWARDS AND RIGHTWARDS ARROW
<U27A6> IGNORE;IGNORE;IGNORE;<U27A6> % HEAVY BLACK CURVED UPWARDS AND RIGHTWARDS ARROW
<U27A7> IGNORE;IGNORE;IGNORE;<U27A7> % SQUAT BLACK RIGHTWARDS ARROW
<U27A8> IGNORE;IGNORE;IGNORE;<U27A8> % HEAVY CONCAVE-POINTED BLACK RIGHTWARDS ARROW
<U27A9> IGNORE;IGNORE;IGNORE;<U27A9> % RIGHT-SHADED WHITE RIGHTWARDS ARROW
<U27AA> IGNORE;IGNORE;IGNORE;<U27AA> % LEFT-SHADED WHITE RIGHTWARDS ARROW
<U27AB> IGNORE;IGNORE;IGNORE;<U27AB> % BACK-TILTED SHADOWED WHITE RIGHTWARDS ARROW
<U27AC> IGNORE;IGNORE;IGNORE;<U27AC> % FRONT-TILTED SHADOWED WHITE RIGHTWARDS ARROW
<U27AD> IGNORE;IGNORE;IGNORE;<U27AD> % HEAVY LOWER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW
<U27AE> IGNORE;IGNORE;IGNORE;<U27AE> % HEAVY UPPER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW
<U27AF> IGNORE;IGNORE;IGNORE;<U27AF> % NOTCHED LOWER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW
<U27B1> IGNORE;IGNORE;IGNORE;<U27B1> % NOTCHED UPPER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW
<U27B2> IGNORE;IGNORE;IGNORE;<U27B2> % CIRCLED HEAVY WHITE RIGHTWARDS ARROW
<U27B3> IGNORE;IGNORE;IGNORE;<U27B3> % WHITE-FEATHERED RIGHTWARDS ARROW
<U27B4> IGNORE;IGNORE;IGNORE;<U27B4> % BLACK-FEATHERED SOUTH EAST ARROW
<U27B5> IGNORE;IGNORE;IGNORE;<U27B5> % BLACK-FEATHERED RIGHTWARDS ARROW
<U27B6> IGNORE;IGNORE;IGNORE;<U27B6> % BLACK-FEATHERED NORTH EAST ARROW
<U27B7> IGNORE;IGNORE;IGNORE;<U27B7> % HEAVY BLACK-FEATHERED SOUTH EAST ARROW
<U27B8> IGNORE;IGNORE;IGNORE;<U27B8> % HEAVY BLACK-FEATHERED RIGHTWARDS ARROW
<U27B9> IGNORE;IGNORE;IGNORE;<U27B9> % HEAVY BLACK-FEATHERED NORTH EAST ARROW
<U27BA> IGNORE;IGNORE;IGNORE;<U27BA> % TEARDROP-BARBED RIGHTWARDS ARROW
<U27BB> IGNORE;IGNORE;IGNORE;<U27BB> % HEAVY TEARDROP-SHANKED RIGHTWARDS ARROW
<U27BC> IGNORE;IGNORE;IGNORE;<U27BC> % WEDGE-TAILED RIGHTWARDS ARROW
<U27BD> IGNORE;IGNORE;IGNORE;<U27BD> % HEAVY WEDGE-TAILED RIGHTWARDS ARROW
<U27BE> IGNORE;IGNORE;IGNORE;<U27BE> % OPEN-OUTLINED RIGHTWARDS ARROW
<U3000> IGNORE;IGNORE;IGNORE;<U3000> % IDEOGRAPHIC SPACE
<U3001> IGNORE;IGNORE;IGNORE;<U3001> % IDEOGRAPHIC COMMA
<U3002> IGNORE;IGNORE;IGNORE;<U3002> % IDEOGRAPHIC FULL STOP
<U3003> IGNORE;IGNORE;IGNORE;<U3003> % DITTO MARK
<U3004> IGNORE;IGNORE;IGNORE;<U3004> % JAPANESE INDUSTRIAL STANDARD SYMBOL
<U3008> IGNORE;IGNORE;IGNORE;<U3008> % LEFT ANGLE BRACKET
<U3009> IGNORE;IGNORE;IGNORE;<U3009> % RIGHT ANGLE BRACKET
<U300A> IGNORE;IGNORE;IGNORE;<U300A> % LEFT DOUBLE ANGLE BRACKET
<U300B> IGNORE;IGNORE;IGNORE;<U300B> % RIGHT DOUBLE ANGLE BRACKET
<U300C> IGNORE;IGNORE;IGNORE;<U300C> % LEFT CORNER BRACKET
<U300D> IGNORE;IGNORE;IGNORE;<U300D> % RIGHT CORNER BRACKET
<U300E> IGNORE;IGNORE;IGNORE;<U300E> % LEFT WHITE CORNER BRACKET
<U300F> IGNORE;IGNORE;IGNORE;<U300F> % RIGHT WHITE CORNER BRACKET
<U3010> IGNORE;IGNORE;IGNORE;<U3010> % LEFT BLACK LENTICULAR BRACKET
<U3011> IGNORE;IGNORE;IGNORE;<U3011> % RIGHT BLACK LENTICULAR BRACKET
<U3012> IGNORE;IGNORE;IGNORE;<U3012> % POSTAL MARK

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<U3013> IGNORE;IGNORE;IGNORE;<U3013> % GETA MARK
<U3014> IGNORE;IGNORE;IGNORE;<U3014> % LEFT TORTOISE SHELL BRACKET
<U3015> IGNORE;IGNORE;IGNORE;<U3015> % RIGHT TORTOISE SHELL BRACKET
<U3016> IGNORE;IGNORE;IGNORE;<U3016> % LEFT WHITE LENTICULAR BRACKET
<U3017> IGNORE;IGNORE;IGNORE;<U3017> % RIGHT WHITE LENTICULAR BRACKET
<U3018> IGNORE;IGNORE;IGNORE;<U3018> % LEFT WHITE TORTOISE SHELL BRACKET
<U3019> IGNORE;IGNORE;IGNORE;<U3019> % RIGHT WHITE TORTOISE SHELL BRACKET
<U301A> IGNORE;IGNORE;IGNORE;<U301A> % LEFT WHITE SQUARE BRACKET
<U301B> IGNORE;IGNORE;IGNORE;<U301B> % RIGHT WHITE SQUARE BRACKET
<U301C> IGNORE;IGNORE;IGNORE;<U301C> % WAVE DASH
<U301D> IGNORE;IGNORE;IGNORE;<U301D> % REVERSED DOUBLE PRIME QUOTATION MARK
<U301E> IGNORE;IGNORE;IGNORE;<U301E> % DOUBLE PRIME QUOTATION MARK
<U301F> IGNORE;IGNORE;IGNORE;<U301F> % LOW DOUBLE PRIME QUOTATION MARK
<U3020> IGNORE;IGNORE;IGNORE;<U3020> % POSTAL MARK FACE
<U3030> IGNORE;IGNORE;IGNORE;<U3030> % WAVY DASH
<U3036> IGNORE;IGNORE;IGNORE;<U3036> % CIRCLED POSTAL MARK
<U3037> IGNORE;IGNORE;IGNORE;<U3037> % IDEOGRAPHIC TELEGRAPH LINE FEED SEPARATOR SYMBOL
<U303F> IGNORE;IGNORE;IGNORE;<U303F> % IDEOGRAPHIC HALF FILL SPACE
<U309B> IGNORE;IGNORE;IGNORE;<U309B> % KATAKANA-HIRAGANA VOICED SOUND MARK
<U309C> IGNORE;IGNORE;IGNORE;<U309C> % KATAKANA-HIRAGANA SEMI-VOICED SOUND MARK
<U30FB> IGNORE;IGNORE;IGNORE;<U30FB> % KATAKANA MIDDLE DOT
<U3190> IGNORE;IGNORE;IGNORE;<U3190> % IDEOGRAPHIC ANNOTATION LINKING MARK
<U3191> IGNORE;IGNORE;IGNORE;<U3191> % IDEOGRAPHIC ANNOTATION REVERSE MARK
<U327F> IGNORE;IGNORE;IGNORE;<U327F> % KOREAN STANDARD SYMBOL
<UFB29> IGNORE;IGNORE;IGNORE;<UFB29> % HEBREW LETTER ALTERNATIVE PLUS SIGN
<UFC5E> IGNORE;IGNORE;IGNORE;<UFC5E> % ARABIC LIGATURE SHADDA WITH DAMMATAN ISOLATED FORM
<UFC5F> IGNORE;IGNORE;IGNORE;<UFC5F> % ARABIC LIGATURE SHADDA WITH KASRATAN ISOLATED FORM
<UFC60> IGNORE;IGNORE;IGNORE;<UFC60> % ARABIC LIGATURE SHADDA WITH FATHA ISOLATED FORM
<UFC61> IGNORE;IGNORE;IGNORE;<UFC61> % ARABIC LIGATURE SHADDA WITH DAMMA ISOLATED FORM
<UFC62> IGNORE;IGNORE;IGNORE;<UFC62> % ARABIC LIGATURE SHADDA WITH KASRA ISOLATED FORM
<UFC63> IGNORE;IGNORE;IGNORE;<UFC63> % ARABIC LIGATURE SHADDA WITH SUPERSCRIPT ALEF ISOLATED FORM
<UFCF2> IGNORE;IGNORE;IGNORE;<UFCF2> % ARABIC LIGATURE SHADDA WITH FATHA MEDIAL FORM
<UFCF3> IGNORE;IGNORE;IGNORE;<UFCF3> % ARABIC LIGATURE SHADDA WITH DAMMA MEDIAL FORM
<UFCF4> IGNORE;IGNORE;IGNORE;<UFCF4> % ARABIC LIGATURE SHADDA WITH KASRA MEDIAL FORM
<UFD3E> IGNORE;IGNORE;IGNORE;<UFD3E> % ORNATE LEFT PARENTHESIS
<UFD3F> IGNORE;IGNORE;IGNORE;<UFD3F> % ORNATE RIGHT PARENTHESIS
<UFE30> IGNORE;IGNORE;IGNORE;<UFE30> % PRESENTATION FORM FOR VERTICAL TWO DOT LEADER
<UFE31> IGNORE;IGNORE;IGNORE;<UFE31> % PRESENTATION FORM FOR VERTICAL EM DASH
<UFE32> IGNORE;IGNORE;IGNORE;<UFE32> % PRESENTATION FORM FOR VERTICAL EN DASH
<UFE33> IGNORE;IGNORE;IGNORE;<UFE33> % PRESENTATION FORM FOR VERTICAL LOW LINE
<UFE34> IGNORE;IGNORE;IGNORE;<UFE34> % PRESENTATION FORM FOR VERTICAL WAVY LOW LINE
<UFE35> IGNORE;IGNORE;IGNORE;<UFE35> % PRESENTATION FORM FOR VERTICAL LEFT PARENTHESIS
<UFE36> IGNORE;IGNORE;IGNORE;<UFE36> % PRESENTATION FORM FOR VERTICAL RIGHT PARENTHESIS
<UFE37> IGNORE;IGNORE;IGNORE;<UFE37> % PRESENTATION FORM FOR VERTICAL LEFT CURLY BRACKET
<UFE38> IGNORE;IGNORE;IGNORE;<UFE38> % PRESENTATION FORM FOR VERTICAL RIGHT CURLY BRACKET
<UFE39> IGNORE;IGNORE;IGNORE;<UFE39> % PRESENTATION FORM FOR VERTICAL LEFT TORTOISE SHELL BRACKET
<UFE3A> IGNORE;IGNORE;IGNORE;<UFE3A> % PRESENTATION FORM FOR VERTICAL RIGHT TORTOISE SHELL BRACKET
<UFE3B> IGNORE;IGNORE;IGNORE;<UFE3B> % PRESENTATION FORM FOR VERTICAL LEFT BLACK LENTICULAR BRACKET
<UFE3C> IGNORE;IGNORE;IGNORE;<UFE3C> % PRESENTATION FORM FOR VERTICAL RIGHT BLACK LENTICULAR BRACKET
<UFE3D> IGNORE;IGNORE;IGNORE;<UFE3D> % PRESENTATION FORM FOR VERTICAL LEFT DOUBLE ANGLE BRACKET
<UFE3E> IGNORE;IGNORE;IGNORE;<UFE3E> % PRESENTATION FORM FOR VERTICAL RIGHT DOUBLE ANGLE BRACKET
<UFE3F> IGNORE;IGNORE;IGNORE;<UFE3F> % PRESENTATION FORM FOR VERTICAL LEFT ANGLE BRACKET
<UFE40> IGNORE;IGNORE;IGNORE;<UFE40> % PRESENTATION FORM FOR VERTICAL RIGHT ANGLE BRACKET
<UFE41> IGNORE;IGNORE;IGNORE;<UFE41> % PRESENTATION FORM FOR VERTICAL LEFT CORNER BRACKET
<UFE42> IGNORE;IGNORE;IGNORE;<UFE42> % PRESENTATION FORM FOR VERTICAL RIGHT CORNER BRACKET
<UFE43> IGNORE;IGNORE;IGNORE;<UFE43> % PRESENTATION FORM FOR VERTICAL LEFT WHITE CORNER BRACKET
<UFE44> IGNORE;IGNORE;IGNORE;<UFE44> % PRESENTATION FORM FOR VERTICAL RIGHT WHITE CORNER BRACKET
<UFE49> IGNORE;IGNORE;IGNORE;<UFE49> % DASHED OVERLINE
<UFE4A> IGNORE;IGNORE;IGNORE;<UFE4A> % CENTRELINE OVERLINE
<UFE4B> IGNORE;IGNORE;IGNORE;<UFE4B> % WAVY OVERLINE
<UFE4C> IGNORE;IGNORE;IGNORE;<UFE4C> % DOUBLE WAVY OVERLINE
<UFE4D> IGNORE;IGNORE;IGNORE;<UFE4D> % DASHED LOW LINE
<UFE4E> IGNORE;IGNORE;IGNORE;<UFE4E> % CENTRELINE LOW LINE
<UFE4F> IGNORE;IGNORE;IGNORE;<UFE4F> % WAVY LOW LINE
<UFE50> IGNORE;IGNORE;IGNORE;<UFE50> % SMALL COMMA
<UFE51> IGNORE;IGNORE;IGNORE;<UFE51> % SMALL IDEOGRAPHIC COMMA
<UFE52> IGNORE;IGNORE;IGNORE;<UFE52> % SMALL FULL STOP
<UFE54> IGNORE;IGNORE;IGNORE;<UFE54> % SMALL SEMICOLON
<UFE55> IGNORE;IGNORE;IGNORE;<UFE55> % SMALL COLON
<UFE56> IGNORE;IGNORE;IGNORE;<UFE56> % SMALL QUESTION MARK
<UFE57> IGNORE;IGNORE;IGNORE;<UFE57> % SMALL EXCLAMATION MARK
<UFE58> IGNORE;IGNORE;IGNORE;<UFE58> % SMALL EM DASH
<UFE59> IGNORE;IGNORE;IGNORE;<UFE59> % SMALL LEFT PARENTHESIS
<UFE5A> IGNORE;IGNORE;IGNORE;<UFE5A> % SMALL RIGHT PARENTHESIS
<UFE5B> IGNORE;IGNORE;IGNORE;<UFE5B> % SMALL LEFT CURLY BRACKET
<UFE5C> IGNORE;IGNORE;IGNORE;<UFE5C> % SMALL RIGHT CURLY BRACKET
<UFE5D> IGNORE;IGNORE;IGNORE;<UFE5D> % SMALL LEFT TORTOISE SHELL BRACKET
<UFE5E> IGNORE;IGNORE;IGNORE;<UFE5E> % SMALL RIGHT TORTOISE SHELL BRACKET
<UFE5F> IGNORE;IGNORE;IGNORE;<UFE5F> % SMALL NUMBER SIGN
<UFE60> IGNORE;IGNORE;IGNORE;<UFE60> % SMALL AMPERSAND
<UFE61> IGNORE;IGNORE;IGNORE;<UFE61> % SMALL ASTERISK
<UFE62> IGNORE;IGNORE;IGNORE;<UFE62> % SMALL PLUS SIGN
<UFE63> IGNORE;IGNORE;IGNORE;<UFE63> % SMALL HYPHEN-MINUS
<UFE64> IGNORE;IGNORE;IGNORE;<UFE64> % SMALL LESS-THAN SIGN
<UFE65> IGNORE;IGNORE;IGNORE;<UFE65> % SMALL GREATER-THAN SIGN
<UFE66> IGNORE;IGNORE;IGNORE;<UFE66> % SMALL EQUALS SIGN
<UFE68> IGNORE;IGNORE;IGNORE;<UFE68> % SMALL REVERSE SOLIDUS
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<UFE6A> IGNORE;IGNORE;IGNORE;<UFE6A> % SMALL PERCENT SIGN
<UFE6B> IGNORE;IGNORE;IGNORE;<UFE6B> % SMALL COMMERCIAL AT
<UFE70> IGNORE;IGNORE;IGNORE;<UFE70> % ARABIC FATHATAN ISOLATED FORM
<UFE71> IGNORE;IGNORE;IGNORE;<UFE71> % ARABIC TATWEEL WITH FATHATAN ABOVE
<UFE72> IGNORE;IGNORE;IGNORE;<UFE72> % ARABIC DAMMATAN ISOLATED FORM
<UFE74> IGNORE;IGNORE;IGNORE;<UFE74> % ARABIC KASRATAN ISOLATED FORM
<UFE76> IGNORE;IGNORE;IGNORE;<UFE76> % ARABIC FATHA ISOLATED FORM
<UFE77> IGNORE;IGNORE;IGNORE;<UFE77> % ARABIC FATHA MEDIAL FORM
<UFE78> IGNORE;IGNORE;IGNORE;<UFE78> % ARABIC DAMMA ISOLATED FORM
<UFE79> IGNORE;IGNORE;IGNORE;<UFE79> % ARABIC DAMMA MEDIAL FORM
<UFE7A> IGNORE;IGNORE;IGNORE;<UFE7A> % ARABIC KASRA ISOLATED FORM
<UFE7B> IGNORE;IGNORE;IGNORE;<UFE7B> % ARABIC KASRA MEDIAL FORM
<UFE7C> IGNORE;IGNORE;IGNORE;<UFE7C> % ARABIC SHADDA ISOLATED FORM
<UFE7D> IGNORE;IGNORE;IGNORE;<UFE7D> % ARABIC SHADDA MEDIAL FORM
<UFE7E> IGNORE;IGNORE;IGNORE;<UFE7E> % ARABIC SUKUN ISOLATED FORM
<UFE7F> IGNORE;IGNORE;IGNORE;<UFE7F> % ARABIC SUKUN MEDIAL FORM
<UFEFF> IGNORE;IGNORE;IGNORE;<UFEFF> % ZERO WIDTH NO-BREAK SPACE
<UFF01> IGNORE;IGNORE;IGNORE;<UFF01> % FULLWIDTH EXCLAMATION MARK
<UFF02> IGNORE;IGNORE;IGNORE;<UFF02> % FULLWIDTH QUOTATION MARK
<UFF03> IGNORE;IGNORE;IGNORE;<UFF03> % FULLWIDTH NUMBER SIGN
<UFF05> IGNORE;IGNORE;IGNORE;<UFF05> % FULLWIDTH PERCENT SIGN
<UFF06> IGNORE;IGNORE;IGNORE;<UFF06> % FULLWIDTH AMPERSAND
<UFF07> IGNORE;IGNORE;IGNORE;<UFF07> % FULLWIDTH APOSTROPHE
<UFF08> IGNORE;IGNORE;IGNORE;<UFF08> % FULLWIDTH LEFT PARENTHESIS
<UFF09> IGNORE;IGNORE;IGNORE;<UFF09> % FULLWIDTH RIGHT PARENTHESIS
<UFF0A> IGNORE;IGNORE;IGNORE;<UFF0A> % FULLWIDTH ASTERISK
<UFF0B> IGNORE;IGNORE;IGNORE;<UFF0B> % FULLWIDTH PLUS SIGN
<UFF0C> IGNORE;IGNORE;IGNORE;<UFF0C> % FULLWIDTH COMMA
<UFF0D> IGNORE;IGNORE;IGNORE;<UFF0D> % FULLWIDTH HYPHEN-MINUS
<UFF0E> IGNORE;IGNORE;IGNORE;<UFF0E> % FULLWIDTH FULL STOP
<UFF0F> IGNORE;IGNORE;IGNORE;<UFF0F> % FULLWIDTH SOLIDUS
<UFF1A> IGNORE;IGNORE;IGNORE;<UFF1A> % FULLWIDTH COLON
<UFF1B> IGNORE;IGNORE;IGNORE;<UFF1B> % FULLWIDTH SEMICOLON
<UFF1C> IGNORE;IGNORE;IGNORE;<UFF1C> % FULLWIDTH LESS-THAN SIGN
<UFF1D> IGNORE;IGNORE;IGNORE;<UFF1D> % FULLWIDTH EQUALS SIGN
<UFF1E> IGNORE;IGNORE;IGNORE;<UFF1E> % FULLWIDTH GREATER-THAN SIGN
<UFF1F> IGNORE;IGNORE;IGNORE;<UFF1F> % FULLWIDTH QUESTION MARK
<UFF20> IGNORE;IGNORE;IGNORE;<UFF20> % FULLWIDTH COMMERCIAL AT
<UFF3B> IGNORE;IGNORE;IGNORE;<UFF3B> % FULLWIDTH LEFT SQUARE BRACKET
<UFF3C> IGNORE;IGNORE;IGNORE;<UFF3C> % FULLWIDTH REVERSE SOLIDUS
<UFF3D> IGNORE;IGNORE;IGNORE;<UFF3D> % FULLWIDTH RIGHT SQUARE BRACKET
<UFF3E> IGNORE;IGNORE;IGNORE;<UFF3E> % FULLWIDTH CIRCUMFLEX ACCENT
<UFF3F> IGNORE;IGNORE;IGNORE;<UFF3F> % FULLWIDTH LOW LINE
<UFF40> IGNORE;IGNORE;IGNORE;<UFF40> % FULLWIDTH GRAVE ACCENT
<UFF5B> IGNORE;IGNORE;IGNORE;<UFF5B> % FULLWIDTH LEFT CURLY BRACKET
<UFF5C> IGNORE;IGNORE;IGNORE;<UFF5C> % FULLWIDTH VERTICAL LINE
<UFF5D> IGNORE;IGNORE;IGNORE;<UFF5D> % FULLWIDTH RIGHT CURLY BRACKET
<UFF5E> IGNORE;IGNORE;IGNORE;<UFF5E> % FULLWIDTH TILDE
<UFF61> IGNORE;IGNORE;IGNORE;<UFF61> % HALFWIDTH IDEOGRAPHIC FULL STOP
<UFF62> IGNORE;IGNORE;IGNORE;<UFF62> % HALFWIDTH LEFT CORNER BRACKET
<UFF63> IGNORE;IGNORE;IGNORE;<UFF63> % HALFWIDTH RIGHT CORNER BRACKET
<UFF64> IGNORE;IGNORE;IGNORE;<UFF64> % HALFWIDTH IDEOGRAPHIC COMMA
<UFF65> IGNORE;IGNORE;IGNORE;<UFF65> % HALFWIDTH KATAKANA MIDDLE DOT
<UFFE2> IGNORE;IGNORE;IGNORE;<UFFE2> % FULLWIDTH NOT SIGN
<UFFE3> IGNORE;IGNORE;IGNORE;<UFFE3> % FULLWIDTH MACRON
<UFFE4> IGNORE;IGNORE;IGNORE;<UFFE4> % FULLWIDTH BROKEN BAR
<UFFE8> IGNORE;IGNORE;IGNORE;<UFFE8> % HALFWIDTH FORMS LIGHT VERTICAL
<UFFE9> IGNORE;IGNORE;IGNORE;<UFFE9> % HALFWIDTH LEFTWARDS ARROW
<UFFEA> IGNORE;IGNORE;IGNORE;<UFFEA> % HALFWIDTH UPWARDS ARROW
<UFFEB> IGNORE;IGNORE;IGNORE;<UFFEB> % HALFWIDTH RIGHTWARDS ARROW
<UFFEC> IGNORE;IGNORE;IGNORE;<UFFEC> % HALFWIDTH DOWNWARDS ARROW
<UFFED> IGNORE;IGNORE;IGNORE;<UFFED> % HALFWIDTH BLACK SQUARE
<UFFEE> IGNORE;IGNORE;IGNORE;<UFFEE> % HALFWIDTH WHITE CIRCLE
<UFFFC> IGNORE;IGNORE;IGNORE;<UFFFC> % OBJECT REPLACEMENT CHARACTER
<UFFFD> IGNORE;IGNORE;IGNORE;<UFFFD> % REPLACEMENT CHARACTER
<U0332> IGNORE;<LOWLINE>;<MIN>;<U0332> % COMBINING LOW LINE
<U0313> IGNORE;<PSILI>;<MIN>;<U0313> % COMBINING COMMA ABOVE
<U0343> IGNORE;<PSILI>;<MIN>;<U0343> % COMBINING GREEK KORONIS
<U0314> IGNORE;<DASIA>;<MIN>;<U0314> % COMBINING REVERSED COMMA ABOVE
<U0301> IGNORE;<AIGUT>;<MIN>;<U0301> % COMBINING ACUTE ACCENT
<U0341> IGNORE;<AIGUT>;<MIN>;<U0341> % COMBINING ACUTE TONE MARK
<U0300> IGNORE;<GRAVE>;<MIN>;<U0300> % COMBINING GRAVE ACCENT
<U0340> IGNORE;<GRAVE>;<MIN>;<U0340> % COMBINING GRAVE TONE MARK
<U0306> IGNORE;<BREVE>;<MIN>;<U0306> % COMBINING BREVE
<U0302> IGNORE;<CIRCF>;<MIN>;<U0302> % COMBINING CIRCUMFLEX ACCENT
<U030C> IGNORE;<CARON>;<MIN>;<U030C> % COMBINING CARON
<U030A> IGNORE;<CRCLE>;<MIN>;<U030A> % COMBINING RING ABOVE
<U0342> IGNORE;<PERIS>;<MIN>;<U0342> % COMBINING GREEK PERISPOMENI
<U0308> IGNORE;<TREMA>;<MIN>;<U0308> % COMBINING DIAERESIS
<U0344> IGNORE;"<TREMA><AIGUT>";"<MIN><MIN>";<U0344> % COMBINING GREEK DIALYTIKA TONOS
<U030B> IGNORE;<2AIGU>;<MIN>;<U030B> % COMBINING DOUBLE ACUTE ACCENT
<U0303> IGNORE;<TILDE>;<MIN>;<U0303> % COMBINING TILDE
<U0307> IGNORE;<POINT>;<MIN>;<U0307> % COMBINING DOT ABOVE
<U0338> IGNORE;<OBLIK>;<MIN>;<U0338> % COMBINING LONG SOLIDUS OVERLAY
<U0327> IGNORE;<CEDIL>;<MIN>;<U0327> % COMBINING CEDILLA
<U0328> IGNORE;<OGONK>;<MIN>;<U0328> % COMBINING OGONEK
<U0304> IGNORE;<MACRO>;<MIN>;<U0304> % COMBINING MACRON
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<U0305> IGNORE;<OVERLINE>;<MIN>;<U0305> % COMBINING OVERLINE
<U0309> IGNORE;<CROOK>;<MIN>;<U0309> % COMBINING HOOK ABOVE
<U030D> IGNORE;<TONOS>;<MIN>;<U030D> % COMBINING VERTICAL LINE ABOVE
<U030E> IGNORE;<D030E>;<MIN>;<U030E> % COMBINING DOUBLE VERTICAL LINE ABOVE
<U030F> IGNORE;<2GRAV>;<MIN>;<U030F> % COMBINING DOUBLE GRAVE ACCENT
<U0310> IGNORE;<D0310>;<MIN>;<U0310> % COMBINING CANDRABINDU
<U0311> IGNORE;<BREVR>;<MIN>;<U0311> % COMBINING INVERTED BREVE
<U0312> IGNORE;<D0312>;<MIN>;<U0312> % COMBINING TURNED COMMA ABOVE
<U0315> IGNORE;<D0315>;<MIN>;<U0315> % COMBINING COMMA ABOVE RIGHT
<U0316> IGNORE;<D0316>;<MIN>;<U0316> % COMBINING GRAVE ACCENT BELOW
<U0317> IGNORE;<D0317>;<MIN>;<U0317> % COMBINING ACUTE ACCENT BELOW
<U0318> IGNORE;<D0318>;<MIN>;<U0318> % COMBINING LEFT TACK BELOW
<U0319> IGNORE;<D0319>;<MIN>;<U0319> % COMBINING RIGHT TACK BELOW
<U031A> IGNORE;<D031A>;<MIN>;<U031A> % COMBINING LEFT ANGLE ABOVE
<U031B> IGNORE;<HORNU>;<MIN>;<U031B> % COMBINING HORN
<U031C> IGNORE;<D031C>;<MIN>;<U031C> % COMBINING LEFT HALF RING BELOW
<U031D> IGNORE;<D031D>;<MIN>;<U031D> % COMBINING UP TACK BELOW
<U031E> IGNORE;<D031E>;<MIN>;<U031E> % COMBINING DOWN TACK BELOW
<U031F> IGNORE;<D031F>;<MIN>;<U031F> % COMBINING PLUS SIGN BELOW
<U0320> IGNORE;<D0320>;<MIN>;<U0320> % COMBINING MINUS SIGN BELOW
<U0321> IGNORE;<PALCR>;<MIN>;<U0321> % COMBINING PALATALIZED HOOK BELOW
<U0322> IGNORE;<RETCR>;<MIN>;<U0322> % COMBINING RETROFLEX HOOK BELOW
<U0323> IGNORE;<POINS>;<MIN>;<U0323> % COMBINING DOT BELOW
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<U0329> IGNORE;<D0329>;<MIN>;<U0329> % COMBINING VERTICAL LINE BELOW
<U032A> IGNORE;<D032A>;<MIN>;<U032A> % COMBINING BRIDGE BELOW
<U032B> IGNORE;<D032B>;<MIN>;<U032B> % COMBINING INVERTED DOUBLE ARCH BELOW
<U032C> IGNORE;<D032C>;<MIN>;<U032C> % COMBINING CARON BELOW
<U032D> IGNORE;<CIRCS>;<MIN>;<U032D> % COMBINING CIRCUMFLEX ACCENT BELOW
<U032E> IGNORE;<BREVS>;<MIN>;<U032E> % COMBINING BREVE BELOW
<U032F> IGNORE;<D032F>;<MIN>;<U032F> % COMBINING INVERTED BREVE BELOW
<U0330> IGNORE;<TILDS>;<MIN>;<U0330> % COMBINING TILDE BELOW
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<U0334> IGNORE;<TILDX>;<MIN>;<U0334> % COMBINING TILDE OVERLAY
<U0335> IGNORE;<BARRE>;<MIN>;<U0335> % COMBINING SHORT STROKE OVERLAY
<U0336> IGNORE;<D0336>;<MIN>;<U0336> % COMBINING LONG STROKE OVERLAY
<U0337> IGNORE;<D0337>;<MIN>;<U0337> % COMBINING SHORT SOLIDUS OVERLAY
<U0339> IGNORE;<CRCL2>;<MIN>;<U0339> % COMBINING RIGHT HALF RING BELOW
<U033A> IGNORE;<D033A>;<MIN>;<U033A> % COMBINING INVERTED BRIDGE BELOW
<U033B> IGNORE;<D033B>;<MIN>;<U033B> % COMBINING SQUARE BELOW
<U033C> IGNORE;<D033C>;<MIN>;<U033C> % COMBINING SEAGULL BELOW
<U033D> IGNORE;<D033D>;<MIN>;<U033D> % COMBINING X ABOVE
<U033E> IGNORE;<D033E>;<MIN>;<U033E> % COMBINING VERTICAL TILDE
<U033F> IGNORE;<D033F>;<MIN>;<U033F> % COMBINING DOUBLE OVERLINE
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<U0360> IGNORE;<D0360>;<MIN>;<U0360> % COMBINING DOUBLE TILDE
<U0361> IGNORE;<D0361>;<MIN>;<U0361> % COMBINING DOUBLE INVERTED BREVE
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<UFE21> IGNORE;<DFE21>;<MIN>;<UFE21> % COMBINING LIGATURE RIGHT HALF
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<UFE23> IGNORE;<DFE23>;<MIN>;<UFE23> % COMBINING DOUBLE TILDE RIGHT HALF
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<U0484> IGNORE;<D0484>;<MIN>;<U0484> % COMBINING CYRILLIC PALATALIZATION
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<U0486> IGNORE;<D0486>;<MIN>;<U0486> % COMBINING CYRILLIC PSILI PNEUMATA
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<U05B1> IGNORE;<HTFSG>;<MIN>;<U05B1> % HEBREW POINT HATAF SEGOL
<U05B2> IGNORE;<HTFPT>;<MIN>;<U05B2> % HEBREW POINT HATAF PATAH
<U05B3> IGNORE;<HTFQM>;<MIN>;<U05B3> % HEBREW POINT HATAF QAMATS
<U05B4> IGNORE;<HIRIQ>;<MIN>;<U05B4> % HEBREW POINT HIRIQ
<U05B5> IGNORE;<TSERE>;<MIN>;<U05B5> % HEBREW POINT TSERE
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<U05BB> IGNORE;<QUBUT>;<MIN>;<U05BB> % HEBREW POINT QUBUTS
<U05BC> IGNORE;<DAGES>;<MIN>;<U05BC> % HEBREW POINT DAGESH OR MAPIQ
<U05BF> IGNORE;<RAPHE>;<MIN>;<U05BF> % HEBREW POINT RAFE
<U05C1> IGNORE;<SHINP>;<MIN>;<U05C1> % HEBREW POINT SHIN DOT
<U05C2> IGNORE;<SINPT>;<MIN>;<U05C2> % HEBREW POINT SIN DOT
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<U064B> IGNORE;<FATHATAN>;<MIN>;<U064B> % ARABIC FATHATAN
<U064C> IGNORE;<DAMMATAN>;<MIN>;<U064C> % ARABIC DAMMATAN
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<U064E> IGNORE;<FATHA>;<MIN>;<U064E> % ARABIC FATHA
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<U0652> IGNORE;<SUKUN>;<MIN>;<U0652> % ARABIC SUKUN
<U0670> IGNORE;<SUPERALEF>;<MIN>;<U0670> % ARABIC LETTER SUPERSCRIPT ALEF
<U06D6> IGNORE;<D06D6>;<MIN>;<U06D6> % ARABIC SMALL HIGH LIGATURE SAD WITH LAM WITH ALEF MAKSURA
<U06D7> IGNORE;<D06D7>;<MIN>;<U06D7> % ARABIC SMALL HIGH LIGATURE QAF WITH LAM WITH ALEF MAKSURA
<U06D8> IGNORE;<D06D8>;<MIN>;<U06D8> % ARABIC SMALL HIGH MEEM INITIAL FORM
<U06D9> IGNORE;<D06D9>;<MIN>;<U06D9> % ARABIC SMALL HIGH LAM ALEF
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<U06DA> IGNORE;<D06DA>;<MIN>;<U06DA> % ARABIC SMALL HIGH JEEM
<U06DB> IGNORE;<D06DB>;<MIN>;<U06DB> % ARABIC SMALL HIGH THREE DOTS
<U06DC> IGNORE;<D06DC>;<MIN>;<U06DC> % ARABIC SMALL HIGH SEEN
<U06E1> IGNORE;<D06E1>;<MIN>;<U06E1> % ARABIC SMALL HIGH DOTLESS HEAD OF KHAH
<U06E2> IGNORE;<D06E2>;<MIN>;<U06E2> % ARABIC SMALL HIGH MEEM ISOLATED FORM
<U06E3> IGNORE;<D06E3>;<MIN>;<U06E3> % ARABIC SMALL HIGH LOW SEEN
<U06E4> IGNORE;<AMADD>;<MIN>;<U06E4> % ARABIC SMALL HIGH MADDA
<U06E7> IGNORE;<D06E7>;<MIN>;<U06E7> % ARABIC SMALL HIGH YEH
<U06E8> IGNORE;<D06E8>;<MIN>;<U06E8> % ARABIC SMALL HIGH NOON
<U06ED> IGNORE;<D06ED>;<MIN>;<U06ED> % ARABIC SMALL LOW MEEM
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<U0954> IGNORE;<D0954>;<MIN>;<U0954> % DEVANAGARI ACUTE ACCENT
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<U0A3C> IGNORE;<D0A3C>;<MIN>;<U0A3C> % GURMUKHI SIGN NUKTA
<U0ABC> IGNORE;<D0ABC>;<MIN>;<U0ABC> % GUJARATI SIGN NUKTA
<U0B3C> IGNORE;<D0B3C>;<MIN>;<U0B3C> % ORIYA SIGN NUKTA
<U0E48> IGNORE;<D0E48>;<MIN>;<U0E48> % THAI CHARACTER MAI EK
<U0E49> IGNORE;<D0E49>;<MIN>;<U0E49> % THAI CHARACTER MAI THO
<U0E4A> IGNORE;<D0E4A>;<MIN>;<U0E4A> % THAI CHARACTER MAI TRI
<U0E4B> IGNORE;<D0E4B>;<MIN>;<U0E4B> % THAI CHARACTER MAI CHATTAWA
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<U0ECB> IGNORE;<D0ECB>;<MIN>;<U0ECB> % LAO TONE MAI CATAWA
<U0F39> IGNORE;<D0F39>;<MIN>;<U0F39> % TIBETAN MARK TSA -PHRU
<U302A> IGNORE;<D302A>;<MIN>;<U302A> % IDEOGRAPHIC LEVEL TONE MARK
<U302B> IGNORE;<D302B>;<MIN>;<U302B> % IDEOGRAPHIC RISING TONE MARK
<U302C> IGNORE;<D302C>;<MIN>;<U302C> % IDEOGRAPHIC DEPARTING TONE MARK
<U302D> IGNORE;<D302D>;<MIN>;<U302D> % IDEOGRAPHIC ENTERING TONE MARK
<U302E> IGNORE;<D302E>;<MIN>;<U302E> % HANGUL SINGLE DOT TONE MARK
<U302F> IGNORE;<D302F>;<MIN>;<U302F> % HANGUL DOUBLE DOT TONE MARK
<U3099> IGNORE;<KNVCE>;<MIN>;<U3099> % COMBINING KATAKANA-HIRAGANA VOICED SOUND MARK
<UFF9E> IGNORE;<KNVCE>;<NARROW>;<UFF9E> % HALFWIDTH KATAKANA VOICED SOUND MARK
<U309A> IGNORE;<KNSMV>;<MIN>;<U309A> % COMBINING KATAKANA-HIRAGANA SEMI-VOICED SOUND MARK
<UFF9F> IGNORE;<KNSMV>;<NARROW>;<UFF9F> % HALFWIDTH KATAKANA SEMI-VOICED SOUND MARK
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<U20D1> IGNORE;<D20D1>;<MIN>;<U20D1> % COMBINING RIGHT HARPOON ABOVE
<U20D2> IGNORE;<D20D2>;<MIN>;<U20D2> % COMBINING LONG VERTICAL LINE OVERLAY
<U20D3> IGNORE;<D20D3>;<MIN>;<U20D3> % COMBINING SHORT VERTICAL LINE OVERLAY
<U20D4> IGNORE;<D20D4>;<MIN>;<U20D4> % COMBINING ANTICLOCKWISE ARROW ABOVE
<U20D5> IGNORE;<D20D5>;<MIN>;<U20D5> % COMBINING CLOCKWISE ARROW ABOVE
<U20D6> IGNORE;<D20D6>;<MIN>;<U20D6> % COMBINING LEFT ARROW ABOVE
<U20D7> IGNORE;<D20D7>;<MIN>;<U20D7> % COMBINING RIGHT ARROW ABOVE
<U20D8> IGNORE;<D20D8>;<MIN>;<U20D8> % COMBINING RING OVERLAY
<U20D9> IGNORE;<D20D9>;<MIN>;<U20D9> % COMBINING CLOCKWISE RING OVERLAY
<U20DA> IGNORE;<D20DA>;<MIN>;<U20DA> % COMBINING ANTICLOCKWISE RING OVERLAY
<U20DB> IGNORE;<D20DB>;<MIN>;<U20DB> % COMBINING THREE DOTS ABOVE
<U20DC> IGNORE;<D20DC>;<MIN>;<U20DC> % COMBINING FOUR DOTS ABOVE
<U20DD> IGNORE;<D20DD>;<MIN>;<U20DD> % COMBINING ENCLOSING CIRCLE
<U20DE> IGNORE;<D20DE>;<MIN>;<U20DE> % COMBINING ENCLOSING SQUARE
<U20DF> IGNORE;<D20DF>;<MIN>;<U20DF> % COMBINING ENCLOSING DIAMOND
<U20E0> IGNORE;<D20E0>;<MIN>;<U20E0> % COMBINING ENCLOSING CIRCLE BACKSLASH
<U20E1> IGNORE;<D20E1>;<MIN>;<U20E1> % COMBINING LEFT RIGHT ARROW ABOVE
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<U02D1> <S298>;<BASE>;<MIN>;<U02D1> % MODIFIER LETTER HALF TRIANGULAR COLON
<U0E46> <S299>;<BASE>;<MIN>;<U0E46> % THAI CHARACTER MAIYAMOK
<U0EC6> <S29A>;<BASE>;<MIN>;<U0EC6> % LAO KO LA
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<U3031> <S29C>;<BASE>;<MIN>;<U3031> % VERTICAL KANA REPEAT MARK
<U3032> <S29D>;<BASE>;<MIN>;<U3032> % VERTICAL KANA REPEAT WITH VOICED SOUND MARK
<U3033> <S29E>;<BASE>;<MIN>;<U3033> % VERTICAL KANA REPEAT MARK UPPER HALF
<U3034> <S29F>;<BASE>;<MIN>;<U3034> % VERTICAL KANA REPEAT WITH VOICED SOUND MARK UPPER HALF
<U3035> <S2A0>;<BASE>;<MIN>;<U3035> % VERTICAL KANA REPEAT MARK LOWER HALF
<U309D> <S2A1>;<BASE>;<MIN>;<U309D> % HIRAGANA ITERATION MARK
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<U00A2> <S2C3>;<BASE>;<MIN>;<U00A2> % CENT SIGN
<UFFE0> <S2C3>;<BASE>;<WIDE>;<UFFE0> % FULLWIDTH CENT SIGN
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<UFF04> <S2C4>;<BASE>;<WIDE>;<UFF04> % FULLWIDTH DOLLAR SIGN
<UFE69> <S2C4>;<BASE>;<SMALL>;<UFE69> % SMALL DOLLAR SIGN
<U00A3> <S2C5>;<BASE>;<MIN>;<U00A3> % POUND SIGN
<UFFE1> <S2C5>;<BASE>;<WIDE>;<UFFE1> % FULLWIDTH POUND SIGN
<U00A5> <S2C6>;<BASE>;<MIN>;<U00A5> % YEN SIGN
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<U09F3> <S2C8>;<BASE>;<MIN>;<U09F3> % BENGALI RUPEE SIGN
<U0E3F> <S2C9>;<BASE>;<MIN>;<U0E3F> % THAI CURRENCY SYMBOL BAHT
<U20A0> <S2CA>;<BASE>;<MIN>;<U20A0> % EURO-CURRENCY SIGN
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<U20A4> <S2CE>;<BASE>;<MIN>;<U20A4> % LIRA SIGN
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<UFFE6> <S2D2>;<BASE>;<WIDE>;<UFFE6> % FULLWIDTH WON SIGN
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<U20AC> <S2D5>;<BASE>;<MIN>;<U20AC> % EURO SIGN
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<U2117> <S2F2>;<BASE>;<MIN>;<U2117> % SOUND RECORDING COPYRIGHT
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<U211E> <S2F4>;<BASE>;<MIN>;<U211E> % PRESCRIPTION TAKE
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<U212E> <S2FA>;<BASE>;<MIN>;<U212E> % ESTIMATED SYMBOL
<U2132> <S2FB>;<BASE>;<MIN>;<U2132> % TURNED CAPITAL F
<U2180> <S2FC>;<BASE>;<MIN>;<U2180> % ROMAN NUMERAL ONE THOUSAND C D
<U2181> <S2FD>;<BASE>;<MIN>;<U2181> % ROMAN NUMERAL FIVE THOUSAND
<U2182> <S2FE>;<BASE>;<MIN>;<U2182> % ROMAN NUMERAL TEN THOUSAND
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<U266E> <S624>;<BASE>;<MIN>;<U266E> % MUSIC NATURAL SIGN
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<U24EA> <S6C5>;<BASE>;<CIRCLE>;<U24EA> % CIRCLED DIGIT ZERO
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<U2080> <S6C5>;<BASE>;<MNS>;<U2080> % SUBSCRIPT ZERO
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<U06F0> <S6C5>;<EXTARABIC>;<MIN>;<U06F0> % EXTENDED ARABIC-INDIC DIGIT ZERO
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<U09E6> <S6C5>;<BENGL>;<MIN>;<U09E6> % BENGALI DIGIT ZERO
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<U0AE6> <S6C5>;<GUJAR>;<MIN>;<U0AE6> % GUJARATI DIGIT ZERO
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<U0E50> <S6C5>;<THAII>;<MIN>;<U0E50> % THAI DIGIT ZERO
<U0ED0> <S6C5>;<LAAOO>;<MIN>;<U0ED0> % LAO DIGIT ZERO
<U0F20> <S6C5>;<BODKA>;<MIN>;<U0F20> % TIBETAN DIGIT ZERO
<U3007> <S6C5>;<CJKVS>;<MIN>;<U3007> % IDEOGRAPHIC NUMBER ZERO
<U3358> "<S6C5><S70B9>";"<BASE><BASE>";"<COMPAT><COMPAT>";<U3358> % IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR ZERO
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<UFF11> <S6C6>;<BASE>;<WIDE>;<UFF11> % FULLWIDTH DIGIT ONE
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<U2488> <S6C6>;<BASE>;<COMPAT>;<U2488> % DIGIT ONE FULL STOP
<U2460> <S6C6>;<BASE>;<CIRCLE>;<U2460> % CIRCLED DIGIT ONE
<U00B9> <S6C6>;<BASE>;<MNN>;<U00B9> % SUPERSCRIPT ONE
<U2081> <S6C6>;<BASE>;<MNS>;<U2081> % SUBSCRIPT ONE
<U215F> <S6C6>;<BASE>;<FRACTION>;<U215F> % FRACTION NUMERATOR ONE
<U2776> <S6C6>;<NEGATIVE>;<CIRCLE>;<U2776> % DINGBAT NEGATIVE CIRCLED DIGIT ONE
<U2780> <S6C6>;<SANSSERIF>;<CIRCLE>;<U2780> % DINGBAT CIRCLED SANS-SERIF DIGIT ONE
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<U06F1> <S6C6>;<EXTARABIC>;<MIN>;<U06F1> % EXTENDED ARABIC-INDIC DIGIT ONE
<U0967> <S6C6>;<NAGAR>;<MIN>;<U0967> % DEVANAGARI DIGIT ONE
<U09E7> <S6C6>;<BENGL>;<MIN>;<U09E7> % BENGALI DIGIT ONE
<U09F4> <S6C6>;<BENGALINUMERATOR>;<MIN>;<U09F4> % BENGALI CURRENCY NUMERATOR ONE
<U0A67> <S6C6>;<GURMU>;<MIN>;<U0A67> % GURMUKHI DIGIT ONE
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<U0C67> <S6C6>;<TELGU>;<MIN>;<U0C67> % TELUGU DIGIT ONE
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<U0ED1> <S6C6>;<LAAOO>;<MIN>;<U0ED1> % LAO DIGIT ONE
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TWENTY
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<U32C8> "<S6CE><S6708>";"<BASE<BASE>";"<COMPAT><COMPAT>";<U32C8> % IDEOGRAPHIC TELEGRAPH SYMBOL FOR SEPTEMBER
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<U0259> <S727>;<BASE>;<MIN>;<U0259> % LATIN SMALL LETTER SCHWA
<U018F> <S727>;<BASE>;<CAP>;<U018F> % LATIN CAPITAL LETTER SCHWA
<U025B> <S72B>;<BASE>;<MIN>;<U025B> % LATIN SMALL LETTER OPEN E
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<U025C> <S737>;<BASE>;<MIN>;<U025C> % LATIN SMALL LETTER REVERSED OPEN E
<U025D> <S73B>;<BASE>;<MIN>;<U025D> % LATIN SMALL LETTER REVERSED OPEN E WITH HOOK
<U025E> <S73F>;<BASE>;<MIN>;<U025E> % LATIN SMALL LETTER CLOSED REVERSED OPEN E
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<UFF46> <S74B>;<BASE>;<WIDE>;<UFF46> % FULLWIDTH LATIN SMALL LETTER F
<U24A1> <S74B>;<BASE>;<COMPAT>;<U24A1> % PARENTHESIZED LATIN SMALL LETTER F
<U24D5> <S74B>;<BASE>;<CIRCLE>;<U24D5> % CIRCLED LATIN SMALL LETTER F
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<UFB04> "<S74B><S74B><S7BD>";"<BASE><BASE><BASE>";"<COMPAT><COMPAT><COMPAT>";<UFB04> % LATIN SMALL LIGATURE FFL
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<U01F4> <S753>;"<BASE><AIGUT>";"<CAP><MIN>";<U01F4> % LATIN CAPITAL LETTER G WITH ACUTE
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<U011E> <S753>;"<BASE><BREVE>";"<CAP><MIN>";<U011E> % LATIN CAPITAL LETTER G WITH BREVE
<U011D> <S753>;"<BASE><CIRCF>";"<MIN><MIN>";<U011D> % LATIN SMALL LETTER G WITH CIRCUMFLEX
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<U3393> "<S753><S773><S8C9>";"<BASE><BASE><BASE>";"<SQUAREDCAP><SQUAREDCAP><SQUARED>";<U3393> % SQUARE GHZ
<U33AC> "<S753><S81D><S6CF>";"<BASE><BASE><BASE>";"<SQUAREDCAP><SQUAREDCAP><SQUARED>";<U33AC> % SQUARE GPA
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<U02E0> <S767>;<BASE>;<MNN>;<U02E0> % MODIFIER LETTER SMALL GAMMA
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<U01A3> <S76F>;<BASE>;<MIN>;<U01A3> % LATIN SMALL LETTER OI
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<U210F> <S77F>;<BASE>;<FONT>;<U210F> % PLANCK CONSTANT OVER TWO PI
<U0126> <S77F>;<BASE>;<CAP>;<U0126> % LATIN CAPITAL LETTER H WITH STROKE
<U0266> <S783>;<BASE>;<MIN>;<U0266> % LATIN SMALL LETTER H WITH HOOK
<U02B1> <S783>;<BASE>;<MNN>;<U02B1> % MODIFIER LETTER SMALL H WITH HOOK
<U0267> <S787>;<BASE>;<MIN>;<U0267> % LATIN SMALL LETTER HENG WITH HOOK
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<U1E31> <S7B1>;"<BASE>AIGUT>";"<MIN><MIN>";<U1E31> % LATIN SMALL LETTER K WITH ACUTE
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<U006C> <S7BD>;<BASE>;<MIN>;<U006C> % LATIN SMALL LETTER L
<UFF4C> <S7BD>;<BASE>;<WIDE>;<UFF4C> % FULLWIDTH LATIN SMALL LETTER L
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<U028E> <S7E1>;<BASE>;<MIN>;<U028E> % LATIN SMALL LETTER TURNED Y
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<U216F> <S7E5>;<BASE>;<COMPATCAP>;<U216F> % ROMAN NUMERAL ONE THOUSAND
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<U019D> <S7F5>;<BASE>;<CAP>;<U019D> % LATIN CAPITAL LETTER N WITH LEFT HOOK
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<U0273> <S7FD>;<BASE>;<MIN>;<U0273> % LATIN SMALL LETTER N WITH RETROFLEX HOOK
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SQUARE RAD OVER S SQUARED
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<U0217> <S88D>;"<BASE><BREVR>";"<MIN><MIN>";<U0217> % LATIN SMALL LETTER U WITH INVERTED BREVE
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<U0216> <S88D>;"<BASE><BREVR>";"<CAP><MIN>";<U0216> % LATIN CAPITAL LETTER U WITH INVERTED BREVE
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<U1EE4> <S88D>;"<BASE><POINS>";"<CAP><MIN>";<U1EE4> % LATIN CAPITAL LETTER U WITH DOT BELOW
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<U1EF0> <S88D>;"<BASE><POINS><HORNU>";"<CAP><MIN><MIN>";<U1EF0> % LATIN CAPITAL LETTER U WITH HORN AND DOT BELOW
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<U1E74> <S88D>;"<BASE><TILDS>";"<CAP><MIN>";<U1E74> % LATIN CAPITAL LETTER U WITH TILDE BELOW
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<U0265> <S895>;<BASE>;<MIN>;<U0265> % LATIN SMALL LETTER TURNED H
<U026F> <S899>;<BASE>;<MIN>;<U026F> % LATIN SMALL LETTER TURNED M
<U019C> <S899>;<BASE>;<CAP>;<U019C> % LATIN CAPITAL LETTER TURNED M
<U0270> <S89D>;<BASE>;<MIN>;<U0270> % LATIN SMALL LETTER TURNED M WITH LONG LEG
<U028A> <S8A1>;<BASE>;<MIN>;<U028A> % LATIN SMALL LETTER UPSILON
<U01B1> <S8A1>;<BASE>;<CAP>;<U01B1> % LATIN CAPITAL LETTER UPSILON
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<U24E5> <S8A5>;<BASE>;<CIRCLE>;<U24E5> % CIRCLED LATIN SMALL LETTER V
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NUMERAL EIGHT
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<U24E6> <S8B1>;<BASE>;<CIRCLE>;<U24E6> % CIRCLED LATIN SMALL LETTER W
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<U028D> <S8B5>;<BASE>;<MIN>;<U028D> % LATIN SMALL LETTER TURNED W
<U0078> <S8B9>;<BASE>;<MIN>;<U0078> % LATIN SMALL LETTER X
<UFF58> <S8B9>;<BASE>;<WIDE>;<UFF58> % FULLWIDTH LATIN SMALL LETTER X
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<U24B3> <S8B9>;<BASE>;<COMPAT>;<U24B3> % PARENTHESIZED LATIN SMALL LETTER X
<U24E7> <S8B9>;<BASE>;<CIRCLE>;<U24E7> % CIRCLED LATIN SMALL LETTER X
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<U24CD> <S8B9>;<BASE>;<CIRCLECAP>;<U24CD> % CIRCLED LATIN CAPITAL LETTER X
<U02E3> <S8B9>;<BASE>;<MNN>;<U02E3> % MODIFIER LETTER SMALL X
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<U1E8C> <S8B9>;"<BASE><TREMA>";"<CAP><MIN>";<U1E8C> % LATIN CAPITAL LETTER X WITH DIAERESIS
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<U0292> <S8D9>;<BASE>;<MIN>;<U0292> % LATIN SMALL LETTER EZH
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<U01A7> <S8F5>;<BASE>;<CAP>;<U01A7> % LATIN CAPITAL LETTER TONE TWO
<U01BD> <S8F9>;<BASE>;<MIN>;<U01BD> % LATIN SMALL LETTER TONE FIVE
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<U0185> <S8FD>;<BASE>;<MIN>;<U0185> % LATIN SMALL LETTER TONE SIX
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<U02BF> <S90C>;<BASE>;<MIN>;<U02BF> % MODIFIER LETTER LEFT HALF RING
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<UFB4A> <SB1D>;"<BASE><DAGES>";"<MIN><MIN>";<UFB4A> % HEBREW LETTER TAV WITH DAGESH
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<U0674> <SB1F>;<BASE>;<MIN>;<U0674> % ARABIC LETTER HIGH HAMZA
<U0622> <SB20>;<BASE>;<MIN>;<U0622> % ARABIC LETTER ALEF WITH MADDA ABOVE
<UFE82> <SB20>;<BASE>;<AFIN>;<UFE82> % ARABIC LETTER ALEF WITH MADDA ABOVE FINAL FORM
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<U0627> <SB2C>;<BASE>;<MIN>;<U0627> % ARABIC LETTER ALEF
<UFE8E> <SB2C>;<BASE>;<AFIN>;<UFE8E> % ARABIC LETTER ALEF FINAL FORM
<UFE8D> <SB2C>;<BASE>;<AISO>;<UFE8D> % ARABIC LETTER ALEF ISOLATED FORM
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<UFB54> <SB2E>;<BASE>;<AINI>;<UFB54> % ARABIC LETTER BEEH INITIAL FORM
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<UFA20> <S8612>;<BASE>;<MIN>;<UFA20> % CJK COMPATIBILITY IDEOGRAPH-FA20
<UF91F> <S862D>;<BASE>;<MIN>;<UF91F> % CJK COMPATIBILITY IDEOGRAPH-F91F
<UF910> <S863F>;<BASE>;<MIN>;<UF910> % CJK COMPATIBILITY IDEOGRAPH-F910
<UF936> <S865C>;<BASE>;<MIN>;<UF936> % CJK COMPATIBILITY IDEOGRAPH-F936
<UF911> <S87BA>;<BASE>;<MIN>;<UF911> % CJK COMPATIBILITY IDEOGRAPH-F911
<UF927> <S881F>;<BASE>;<MIN>;<UF927> % CJK COMPATIBILITY IDEOGRAPH-F927
<UFA08> <S884C>;<BASE>;<MIN>;<UFA08> % CJK COMPATIBILITY IDEOGRAPH-FA08
<UF9A0> <S88C2>;<BASE>;<MIN>;<UF9A0> % CJK COMPATIBILITY IDEOGRAPH-F9A0
<UF9E7> <S88CF>;<BASE>;<MIN>;<UF9E7> % CJK COMPATIBILITY IDEOGRAPH-F9E7
<UF9E8> <S88E1>;<BASE>;<MIN>;<UF9E8> % CJK COMPATIBILITY IDEOGRAPH-F9E8
<UF912> <S88F8>;<BASE>;<MIN>;<UF912> % CJK COMPATIBILITY IDEOGRAPH-F912
<UF924> <S8964>;<BASE>;<MIN>;<UF924> % CJK COMPATIBILITY IDEOGRAPH-F924
<UFA0A> <S898B>;<BASE>;<MIN>;<UFA0A> % CJK COMPATIBILITY IDEOGRAPH-FA0A
<UF96F> <S8AAA>;<BASE>;<MIN>;<UF96F> % CJK COMPATIBILITY IDEOGRAPH-F96F
<UF9A1> <S8AAA>;<BASE>;<MIN>;<UF9A1> % CJK COMPATIBILITY IDEOGRAPH-F9A1
<UF97D> <S8AD2>;<BASE>;<MIN>;<UF97D> % CJK COMPATIBILITY IDEOGRAPH-F97D
```

```
<UF941> <S8AD6>;<BASE>;<MIN>;<UF941> % CJK COMPATIBILITY IDEOGRAPH-F941
<UFA22> <S8AF8>;<BASE>;<MIN>;<UFA22> % CJK COMPATIBILITY IDEOGRAPH-FA22
<UF95D> <S8AFE>;<BASE>;<MIN>;<UF95D> % CJK COMPATIBILITY IDEOGRAPH-F95D
<UF9FC> <S8B58>;<BASE>;<MIN>;<UF9FC> % CJK COMPATIBILITY IDEOGRAPH-F9FC
<UF95A> <S8B80>;<BASE>;<MIN>;<UF95A> % CJK COMPATIBILITY IDEOGRAPH-F95A
<UF900> <S8C48>;<BASE>;<MIN>;<UF900> % CJK COMPATIBILITY IDEOGRAPH-F900
<U3236> <S8CA1>;<BASE>;<COMPAT>;<U3236> % PARENTHESIZED IDEOGRAPH FINANCIAL
<U3296> <S8CA1>;<BASE>;<CIRCLE>;<U3296> % CIRCLED IDEOGRAPH FINANCIAL
<UF948> <S8CC2>;<BASE>;<MIN>;<UF948> % CJK COMPATIBILITY IDEOGRAPH-F948
<U323E> <S8CC7>;<BASE>;<COMPAT>;<U323E> % PARENTHESIZED IDEOGRAPH RESOURCE
<U32AE> <S8CC7>;<BASE>;<CIRCLE>;<U32AE> % CIRCLED IDEOGRAPH RESOURCE
<UF903> <S8CC8>;<BASE>;<MIN>;<UF903> % CJK COMPATIBILITY IDEOGRAPH-F903
<UF937> <S8DEF>;<BASE>;<MIN>;<UF937> % CJK COMPATIBILITY IDEOGRAPH-F937
<UF902> <S8ECA>;<BASE>;<MIN>;<UF902> % CJK COMPATIBILITY IDEOGRAPH-F902
<UF998> <S8F26>;<BASE>;<MIN>;<UF998> % CJK COMPATIBILITY IDEOGRAPH-F998
<UF9D7> <S8F2A>;<BASE>;<MIN>;<UF9D7> % CJK COMPATIBILITY IDEOGRAPH-F9D7
<UFA07> <S8F3B>;<BASE>;<MIN>;<UFA07> % CJK COMPATIBILITY IDEOGRAPH-FA07
<UF98D> <S8F62>;<BASE>;<MIN>;<UF98D> % CJK COMPATIBILITY IDEOGRAPH-F98D
<UF971> <S8FB0>;<BASE>;<MIN>;<UF971> % CJK COMPATIBILITY IDEOGRAPH-F971
<UF99A> <S9023>;<BASE>;<MIN>;<UF99A> % CJK COMPATIBILITY IDEOGRAPH-F99A
<UFA25> <S9038>;<BASE>;<MIN>;<UFA25> % CJK COMPATIBILITY IDEOGRAPH-FA25
<U329C> <S9069>;<BASE>;<CIRCLE>;<U329C> % CIRCLED IDEOGRAPH SUITABLE
<UF9C3> <S907C>;<BASE>;<MIN>;<UF9C3> % CJK COMPATIBILITY IDEOGRAPH-F9C3
<UF913> <S908F>;<BASE>;<MIN>;<UF913> % CJK COMPATIBILITY IDEOGRAPH-F913
<UF92C> <S90CE>;<BASE>;<MIN>;<UF92C> % CJK COMPATIBILITY IDEOGRAPH-F92C
<UFA26> <S90FD>;<BASE>;<MIN>;<UFA26> % CJK COMPATIBILITY IDEOGRAPH-FA26
<UF919> <S916A>;<BASE>;<MIN>;<UF919> % CJK COMPATIBILITY IDEOGRAPH-F919
<UF9B7> <S91B4>;<BASE>;<MIN>;<UF9B7> % CJK COMPATIBILITY IDEOGRAPH-F9B7
<UF9E9> <S91CC>;<BASE>;<MIN>;<UF9E9> % CJK COMPATIBILITY IDEOGRAPH-F9E9
<UF97E> <S91CF>;<BASE>;<MIN>;<UF97E> % CJK COMPATIBILITY IDEOGRAPH-F97E
<UF90A> <S91D1>;<BASE>;<MIN>;<UF90A> % CJK COMPATIBILITY IDEOGRAPH-F90A
<U322E> <S91D1>;<BASE>;<COMPAT>;<U322E> % PARENTHESIZED IDEOGRAPH METAL
<U328E> <S91D1>;<BASE>;<CIRCLE>;<U328E> % CIRCLED IDEOGRAPH METAL
<UF9B1> <S9234>;<BASE>;<MIN>;<UF9B1> % CJK COMPATIBILITY IDEOGRAPH-F9B1
<UF93F> <S9304>;<BASE>;<MIN>;<UF93F> % CJK COMPATIBILITY IDEOGRAPH-F93F
<UF99B> <S934A>;<BASE>;<MIN>;<UF99B> % CJK COMPATIBILITY IDEOGRAPH-F99B
<UF986> <S95AD>;<BASE>;<MIN>;<UF986> % CJK COMPATIBILITY IDEOGRAPH-F986
<UF9C6> <S962E>;<BASE>;<MIN>;<UF9C6> % CJK COMPATIBILITY IDEOGRAPH-F9C6
<UFA09> <S964D>;<BASE>;<MIN>;<UFA09> % CJK COMPATIBILITY IDEOGRAPH-FA09
<UF959> <S9675>;<BASE>;<MIN>;<UF959> % CJK COMPATIBILITY IDEOGRAPH-F959
<UF9D3> <S9678>;<BASE>;<MIN>;<UF9D3> % CJK COMPATIBILITY IDEOGRAPH-F9D3
<UF9DC> <S9686>;<BASE>;<MIN>;<UF9DC> % CJK COMPATIBILITY IDEOGRAPH-F9DC
<UF9F1> <S96A3>;<BASE>;<MIN>;<UF9F1> % CJK COMPATIBILITY IDEOGRAPH-F9F1
<UF9B8> <S96B8>;<BASE>;<MIN>;<UF9B8> % CJK COMPATIBILITY IDEOGRAPH-F9B8
<UF9EA> <S96E2>;<BASE>;<MIN>;<UF9EA> % CJK COMPATIBILITY IDEOGRAPH-F9EA
<UF9B2> <S96F6>;<BASE>;<MIN>;<UF9B2> % CJK COMPATIBILITY IDEOGRAPH-F9B2
<UF949> <S96F7>;<BASE>;<MIN>;<UF949> % CJK COMPATIBILITY IDEOGRAPH-F949
<UF951> <S96FB>;<BASE>;<MIN>;<UF951> % CJK COMPATIBILITY IDEOGRAPH-F951
<UF938> <S9732>;<BASE>;<MIN>;<UF938> % CJK COMPATIBILITY IDEOGRAPH-F938
<UF9B3> <S9748>;<BASE>;<MIN>;<UF9B3> % CJK COMPATIBILITY IDEOGRAPH-F9B3
<UFA1C> <S9756>;<BASE>;<MIN>;<UFA1C> % CJK COMPATIBILITY IDEOGRAPH-FA1C
<U32A0> <S9805>;<BASE>;<CIRCLE>;<U32A0> % CIRCLED IDEOGRAPH ITEM
<UF9B4> <S9818>;<BASE>;<MIN>;<UF9B4> % CJK COMPATIBILITY IDEOGRAPH-F9B4
<UF9D0> <S985E>;<BASE>;<MIN>;<UF9D0> % CJK COMPATIBILITY IDEOGRAPH-F9D0
<UFA2A> <S98EF>;<BASE>;<MIN>;<UFA2A> % CJK COMPATIBILITY IDEOGRAPH-FA2A
<UFA2B> <S98FC>;<BASE>;<MIN>;<UFA2B> % CJK COMPATIBILITY IDEOGRAPH-FA2B
<UFA2C> <S9928>;<BASE>;<MIN>;<UFA2C> % CJK COMPATIBILITY IDEOGRAPH-FA2C
<UF91A> <S99F1>;<BASE>;<MIN>;<UF91A> % CJK COMPATIBILITY IDEOGRAPH-F91A
<UF987> <S9A6A>;<BASE>;<MIN>;<UF987> % CJK COMPATIBILITY IDEOGRAPH-F987
<UF939> <S9B6F>;<BASE>;<MIN>;<UF939> % CJK COMPATIBILITY IDEOGRAPH-F939
<UF9F2> <S9C57>;<BASE>;<MIN>;<UF9F2> % CJK COMPATIBILITY IDEOGRAPH-F9F2
<UFA2D> <S9DB4>;<BASE>;<MIN>;<UFA2D> % CJK COMPATIBILITY IDEOGRAPH-FA2D
<UF93A> <S9DFA>;<BASE>;<MIN>;<UF93A> % CJK COMPATIBILITY IDEOGRAPH-F93A
<UF920> <S9E1E>;<BASE>;<MIN>;<UF920> % CJK COMPATIBILITY IDEOGRAPH-F920
<UF940> <S9E7F>;<BASE>;<MIN>;<UF940> % CJK COMPATIBILITY IDEOGRAPH-F940
<UF988> <S9E97>;<BASE>;<MIN>;<UF988> % CJK COMPATIBILITY IDEOGRAPH-F988
<UF9F3> <S9E9F>;<BASE>;<MIN>;<UF9F3> % CJK COMPATIBILITY IDEOGRAPH-F9F3
<UF989> <S9ECE>;<BASE>;<MIN>;<UF989> % CJK COMPATIBILITY IDEOGRAPH-F989
<UF9C4> <S9F8D>;<BASE>;<MIN>;<UF9C4> % CJK COMPATIBILITY IDEOGRAPH-F9C4
<UF907> <S9F9C>;<BASE>;<MIN>;<UF907> % CJK COMPATIBILITY IDEOGRAPH-F907
<UF908> <S9F9C>;<BASE>;<MIN>;<UF908> % CJK COMPATIBILITY IDEOGRAPH-F908
<UFA0E> <SFA0E>;<BASE>;<MIN>;<UFA0E> % CJK COMPATIBILITY IDEOGRAPH-FA0E
<UFA0F> <SFA0F>;<BASE>;<MIN>;<UFA0F> % CJK COMPATIBILITY IDEOGRAPH-FA0F
<UFA11> <SFA11>;<BASE>;<MIN>;<UFA11> % CJK COMPATIBILITY IDEOGRAPH-FA11
<UFA13> <SFA13>;<BASE>;<MIN>;<UFA13> % CJK COMPATIBILITY IDEOGRAPH-FA13
<UFA14> <SFA14>;<BASE>;<MIN>;<UFA14> % CJK COMPATIBILITY IDEOGRAPH-FA14
<UFA1F> <SFA1F>;<BASE>;<MIN>;<UFA1F> % CJK COMPATIBILITY IDEOGRAPH-FA1F
<UFA21> <SFA21>;<BASE>;<MIN>;<UFA21> % CJK COMPATIBILITY IDEOGRAPH-FA21
<UFA23> <SFA23>;<BASE>;<MIN>;<UFA23> % CJK COMPATIBILITY IDEOGRAPH-FA23
<UFA24> <SFA24>;<BASE>;<MIN>;<UFA24> % CJK COMPATIBILITY IDEOGRAPH-FA24
<UFA27> <SFA27>;<BASE>;<MIN>;<UFA27> % CJK COMPATIBILITY IDEOGRAPH-FA27
<UFA28> <SFA28>;<BASE>;<MIN>;<UFA28> % CJK COMPATIBILITY IDEOGRAPH-FA28
<UFA29> <SFA29>;<BASE>;<MIN>;<UFA29> % CJK COMPATIBILITY IDEOGRAPH-FA29
```

% Weights for unified Han characters follow the Unified Repertoire and
%   Ordering, which is a language-neutral, traditional radical-stroke order.

<U4E00>..<U9FA5> <S4E00>..<S9FA5>;<BLANK>;<MIN>;<U4E00>..<U9FA5> % Han

% Weights for Hangul syllables are built by equivalences to the sequence of
%   corresponding jamo weights for the characters U+1100..U+11F9.

% <UAC00>..<UD7A3> <SAC00>..<SD7A3>;<BLANK>;<MIN>;<UAC00>..<UD7A3> % Hangul

% A Hangul tailoring for a system which does not use combining jamos
%   may choose to simply weight the Hangul syllables directly as shown above.

collating-symbol <SFFFF> % Guaranteed largest symbol value. Keep at end of table

UNDEFINED % For all unsupported characters to be treated as unweighted.

% order_end

% END LC_COLLATE

% Decomment the line above to create a 14652-style
%   LC_COLLATE definition.

Annex B – Tailoring deltas (informative)

B.1 Example 1 – Canadian delta and benchmark

This annex describes benchmark 1, based on Canadian standard CAN/CSA Z243.4.1-1998 (and -1992). The delta that precedes the benchmark *has been simplified* for illustration here; a larger delta is required, mainly for special characters, for full conformance to this Canadian standard, and is given here as an example only. The example's specifications are to be performed using the Common Template Table of annex A, with the following delta:

5.   Processing properties:

```
        order_start <TABLE>;forward;backward;forward;forward,position
```

6.   Number of levels unchanged to 4.

7.   No symbol change.

8.   No other insertion, deletion or redefinition than:

- æ sorted as if it were separate letters "ae" at level 1. The letters "ae" are distinguished at level 2 from the character "æ" and are sorted before it. Upper case is distinguished from lower case at level 3.

- ð sorted as if it were the letter "d" at level 1. The letter "ð" is distinguished at level 2 from the letter "d" and is sorted after it. Upper case is distinguished from lower case at level 3.

- þ sorted as if it were separate letters "th" at level 1. The letters "th" are distinguished at level 2 from the letter "þ" and are sorted before it. Upper case is distinguished from lower case at level 3.

Alternate formal ISO/IEC 14652 tailoring equivalent

```
% copy ISO14651_1999_TABLE1
order_start TABLE;forward;backward;forward;forward,position
reorder-after <U00C6>
<U00E6>   <S6CD><S72D>;<COMPAT><COMPAT>;<MIN><MIN>;IGNORE   % <ae>
<U00C6>   <S6CD><S72D>;<COMPAT><COMPAT>;<CAP><CAP>;IGNORE   % <AE>
reorder-after <U1E0E>
<U00F0>   <S705>;<COMPAT>;<MIN>;IGNORE                      % <d->
<U00D0>   <S705>;<COMPAT>;<CAP>";IGNORE                     % <D->
reorder-after <U2122>
<U00FE>   <S88B><S781>;<COMPAT><COMPAT>;<MIN><MIN>;IGNORE   % <th>
<U00DE>   <S88B><S781>;<COMPAT><COMPAT>;<CAP><CAP>;IGNORE   % <TH>
reorder-end
```

1   Unordered list (required test as per Canadian standard CAN/CSA Z243.4.1-1998 plus additions)

ou	Canon	côté
lésé	lame	coté
péché	Bohême	aide
vice-président	0000	air
9999	relève	vice-president
OÙ	gène	modelé
haïe	casanier	Thorvardur
coop	élevé	MODÈLE
caennais	COTÉ	maçon
lèse	relevé	MÂCON
dû	Grossist	pèche
air@@@	vice-presidents' offices	pêché
côlon	Copenhagen	medalovoïde
bohème	côte	pechère
gêné	McArthur	ode
meðal	Mc Mahon	péchère
lamé	Aalborg	œil
pêche	Größe	
LÈS	vice-president's offices	
vice versa	cølibat	
C.A.F.	PÉCHÉ	
Þorsmörk	COOP	
cæsium	@@@air	
resumé	VICE-VERSA	
Bohémien	gêne	
co-op	CO-OP	
pêcher	révélé	
les	révèle	
CÔTÉ	çà et là	
résumé	MacArthur	
Ålborg	Noël	
cañon	île	
du	aïeul	
haie	Île d'Orléans	
pécher	nôtre	
Mc Arthur	notre	
cote	août	
colon	NOËL	
l'âme	@@@@@	
resume	L'Haÿ-les-Roses	
élève	CÔTE	
Þorvarður	COTE	

2   List with required results as per Canadian standard CAN/CSA Z243.4.1-1998

@@@@@	gêné	relève
0000	Größe	relevé
9999	Grossist	resume
Aalborg	haie	resumé
aide	haïe	résumé
aïeul	île	révèle
air	Île d'Orléans	révélé
@@@air	lame	Þorsmörk
air@@@	l'âme	Thorvardur
Ålborg	lamé	Þorvarður
août	les	vice-president
bohème	LÈS	vice-président
Bohême	lèse	vice-president's offices
Bohémien	lésé	vice-presidents' offices
caennais	L'Haÿ-les-Roses	vice versa
cæsium	MacArthur	VICE-VERSA
çà et là	MÂCON	
C.A.F.	maçon	
Canon	medal	
cañon	meðal	
casanier	McArthur	
cølibat	Mc Arthur	
colon	Mc Mahon	
côlon	MODÈLE	
coop	modelé	
co-op	Noël	
COOP	NOËL	
CO-OP	notre	
Copenhagen	nôtre	
cote	ode	
COTE	œil	
côte	ou	
CÔTE	OÙ	
coté	ovoïde	
COTÉ	pèche	
côté	pêche	
CÔTÉ	péché	
du	PÉCHÉ	
dû	pêché	
élève	pécher	
élevé	pêcher	
gène	pechère	
gêne	péchère	

B.2 Example 2 – Danish delta and benchmark

The following is a Danish delta tailoring example. This formal specification corresponds to Danish standard DS 377 and to "Retskrivningsordbogen", the Danish orthography specification. The repertoire used assumes the exclusion of combining characters.

```
% This tailoring is in accordance with Danish Standard DS 377 (1980)
% and the Danish Orthography Dictionary (Retskrivningsordbogen, 1986).
% It is also in accordance with Greenlandic orthography.
```

% Define a collating element for a-ring.

collating-element <AA>

% Define collating elements for sequences of a+a

```
collating-element <A-A> from "<U0041><U0041>"
collating-element <A-a> from "<U0041><U0061>"
collating-element <a-A> from "<U0061><U0041>"
collating-element <a-a> from "<U0061><U0061>"
```

```
% Make capital letters sort before lowercase
% Note that this simple tailoring only impacts basic letters.
% To also make capital letters in compatibility characters sort
% before lowercase, a slightly more complex tailoring is required.
```

reorder-after <CAP>
<MIN>

% Reorder a-diaeresis, o-stroke, and a-ring at the end of the alphabet, after z.

reorder-after <S8E5> % ezh with curl (after z)
<S6D3> % ae
<S80D> % o-stroke
<AA>   % a-ring

```
% A series of reweighting statements to deal with specific
% Danish behavior. All of these define or redefine weight_list's,
% and so the entire block can simply be reordered after the
% last entry in the table.
```

reorder-after <SFFFF>

```
% Space, hyphen-minus, and solidus are a primary weight
% before any letter or digit, with hyphen-minus and solidus
% given a secondary difference from the weight for space.
```

<U0020> <S209>;<BASE>;<MIN>;<U0020> % SPACE
<U002D> <S209>;"<BASE><VRNT1>";"<MIN><MIN>";<U002D> % HYPHEN-MINUS

<U002F> <S209>;"<BASE><VRNT2>";"<MIN><MIN>";<U002F> % SOLIDUS

% The letter kra (for Greenlandic) is equated to a lowercase q,
% with a secondary difference to distinguish it from q itself.

<U0138> <S829>;"<BASE><VRNT1>";"<MIN><MIN>";<U0138> % LATIN SMALL LETTER KRA

% The letter thorn is treated as a sequence of t + h, with a variant weight
% at the secondary level (comparable to the treatment of sharp-s).

<U00DE> "<S875><S773>";"<BASE><VRNT1><BASE>";"<CAP><MIN><CAP>";<U00DE> % LATIN CAPITAL LETTER THORN
<U00FE> "<S875><S773>";"<BASE><VRNT1><BASE>";"<MIN><MIN><MIN>";<U00FE> % LATIN SMALL LETTER THORN

% The letters u-diaeresis and u-double-acute are given the same primary
% weight as y, with unique variant weights at the secondary level.

<U00DC> <S8BD>;"<BASE><VRNT1>";"<CAP><MIN>";<U00DC> % LATIN CAPITAL LETTER U WITH DIAERESIS
<U00FC> <S8BD>;"<BASE><VRNT1>";"<MIN><MIN>";<U00FC> % LATIN SMALL LETTER U WITH DIAERESIS
<U0170> <S8BD>;"<BASE><VRNT2>";"<CAP><MIN>";<U0170> % LATIN CAPITAL LETTER U WITH DOUBLE ACUTE
<U0171> <S8BD>;"<BASE><VRNT2>";"<MIN><MIN>";<U0171> % LATIN SMALL LETTER U WITH DOUBLE ACUTE

% The letters o-diaeresis and o-double-acute are given the same primary
% weight as o-slash, with unique variant weights at the secondary level.

<U00D6> <S80D>;"<BASE><VRNT1>";"<CAP><MIN>";<U00D6> % LATIN CAPITAL LETTER O WITH DIAERESIS
<U00F6> <S80D>;"<BASE><VRNT1>";"<MIN><MIN>";<U00F6> % LATIN SMALL LETTER O WITH DIAERESIS
<U0150> <S80D>;"<BASE><VRNT2>";"<CAP><MIN>";<U0150> % LATIN CAPITAL LETTER O WITH DOUBLE ACUTE
<U0151> <S80D>;"<BASE><VRNT2>";"<MIN><MIN>";<U0151> % LATIN SMALL LETTER O WITH DOUBLE ACUTE

% The letter a-ring is weighted following the letter o-slash (see above)

<U00C5> <AA>;<BASE>;<CAP>;<U00C5> % LATIN CAPITAL LETTER A WITH RING
<U00E5> <AA>;<BASE>;<CAP>;<U00E5> % LATIN SMALL LETTER A WITH RING
<U01FA> <AA>;"<BASE><AIGUT>";"<CAP><MIN>";<U01FA> % LATIN CAPITAL LETTER A WITH RING ABOVE AND ACUTE
<U01FB> <AA>;"<BASE><AIGUT>";"<MIN><MIN>";<U01FB> % LATIN SMALL LETTER A WITH RING ABOVE AND ACUTE

% The sequences of letters a+a are weighted a secondary variants of a-ring

<A-A> <AA>;"<BASE><VRNT1>";"<CAP><CAP>";<U0041><U0041> % AA
<A-a> <AA>;"<BASE><VRNT1>";"<CAP><MIN>";<U0041><U0061> % Aa
<a-A> <AA>;"<BASE><VRNT1>";"<MIN><CAP>";<U0061><U0041> % aA
<a-a> <AA>;"<BASE><VRNT1>";"<MIN><MIN>";<U0061><U0061> % aa

reorder-end

% End of the Danish tailoring

Benchmark 2 for Danish

A/S	CB	D.S.B.
ANDRE	ÇC	DSC
ANDRÉ	DA	EKSTRA-ARBEJDE
ANDREAS	ÐA	EKSTRABUD
AS	DB	EKSTRAARBEJDE
CA	ÐC	HØST
ÇA	DSB	HAAG

HÅNDBOG
HAANDVÆRKSBANKEN
Karl
karl
NIELS JØRGEN
NIELS-JØRGEN
NIELSEN
RÉE, A
REE, B
RÉE, L
REE, V
SCHYTT, B
SCHYTT, H
SCHÜTT, H
SCHYTT, L
SCHÜTT, M
ß
SS
SSA
STORE VILDMOSE
STOREKÆR
STORM PETERSEN
STORMLY
THORVALD
THORVARDUR
ÞORVARÐUR
THYGESEN
VESTERGÅRD, A
VESTERGAARD, A
VESTERGÅRD, B
ÆBLE
ÄBLE
ØBERG
ÖBERG

B.3 Example 3 – Reversing the order of lower case and upper case letters

The following is a simple tailoring example to show how to reverse
the order of uppercase versus lowercase from the order specified
in the Common Tailorable Template Table.

% Make uppercase letters sort before lowercase
% To do this correctly, the entire range of tertiary weight symbols
% <MIN>..<CIRCLE> are moved after <CIRCLECAP>, so that they order after
% <CAP> <WIDECAP> <COMPATCAP <FONTCAP> <CIRCLECAP> in the same
% relative order with respect to themselves. This has the effect of
% also making all the compatibility uppercase letters sort before
% their respective compatibility lowercase letters. (For example,
% U+24B6 CIRCLED LATIN CAPITAL LETTER A will sort before
% U+24D0 CIRCLED LATIN SMALL LETTER A.

reorder-after <CIRCLECAP>
<MIN>
<WIDE>
<COMPAT>
<FONT>
<CIRCLE>

reorder-end

% End of the uppercase/lowercase tailoring

B.4 Thai string ordering – a case involving special preparation

Thai Ordering Principle

The widely accepted standard for Thai lexicographical ordering is defined in the Royal Institute Dictionary 2525 B.E. Edition (1982 A.D.), the official standard Thai dictionary. The ordering principles are:

Words are ordered alphabetically, not phonetically. Consonants order is:

ก ข ฃ ค ฅ ฆ ง จ ฉ ช ซ ฌ ญ ฎ ฏ ฐ ฑ ฒ ณ ด ต ถ ท ธ น

บ ป ผ ฝ พ ฟ ภ ม ย ร ฤ ฤๅ ล ฦ ฦๅ ว ศ ษ ส ห ฬ อ ฮ

(ฤ ฤๅ ฦ ฦๅ are vowels and ligatures, but put in the order according to the sounds they represent.)

Vowels are also ordered by written forms, not by sounds. Vowels order is:
ะ ั า ำ ิ ี ึ ื ุ ู เ แ โ ใ ไ

(อ ว ย are always ordered as consonants, although they sometimes act as vowels.)

Consonants always precede vowels. String comparison is performed from left to right, considering initial consonants before vowels in the same syllable.

Tones and diacritics are normally ignored, unless all other parts are equal, in which case the order is:

๊ ่ ้ ๊ ๋

Here is an ordering example:

กก	เกล้า	ขนาบ
กรรม	เกลียว	ข้าง
กรรม์	เก้า	ข้างๆ
-กระแย่ง	เกาะ	ข้างกระดาน
กราบ	เกี่ยว	ข้างขึ้น
กะเกณฑ์	เกี๊ยะ	ข้างควาย
กัก	เกือก	ข้างๆ คูๆ
ก้าว	แกง	ข้างเงิน
กำ	แกะ	ข้างออก
กิน	โกน	เขน
กี่	โกร๋น	เข็น
กื้น	ใกล้	เข่น
กุน	ไก่	เข็ด
กูด	ไกล	แข็ง
เก้ง	ข้น	แข่ง

แข้ง	ลลิตา
แข้งขวา	ภาชา
แข็งขัน	วก
แข่งขัน	ศาล
แขน	หริภุญชัย
ครรภ-	หฤทัย
ครรภ์	หลง
จุมพล	แหง่
จุ๋พล	แห่ง
ชาย	แหนม
เฒ่า	แหนหวง
เณร	แหบ
ตลาด	แหม
ทูลเกล้า	อาน
ทูลเกล้าฯ	ฮา
ทูลเกล้าทูลกระหม่อม	
น้า	
น้ำ	
นี้	
บุญหลง	
บุญ-หลง	
ปา	
ป่า	
ป้า	
ป๊า	
ป๋า	
ปาน	
ผัด	
ฯพณฯ	
พณิชย์	
ย่อง	
รอง	
ฤทธิ์	
ฤษี	
ฤๅษี	

Algorithmic Aspect

The above principle, with appropriate character code assignment such as TIS-620 and ISO/IEC 10646, almost allows C standard library function **strcmp()** to collate Thai strings without much more complication, except:

Leading vowels (เ- แ- โ- ใ- ไ-), which are written before consonants, must be considered after the initial consonant. Therefore, the rearrangement is needed before comparison.

Diacritics and tone marks (-่ -ฺ -็ -๎ -่ -้ -๊ -๋) must be ignored in the first pass, and be considered at later pass if the first pass yields equality.

And these are the only two mandatory requirements for Thai string collation algorithms. No syllable structure nor word boundary analysis is required, as Thai lexicons are ordered alphabetically, not phonetically.

2.1 Leading Vowel Rearrangement

To fullfill this requirement, either a preprocessing or collating-element grouping is required. The preprocessor scans the string once and swaps every leading vowel with its succeeding letter. The preprocessed string is then passed to the normal weight calculation process. Another way to manage this is by means of collating-element formation. Every possible pair of leading vowel and consonant is defined as a collating-element, whose weight equals to that of the rearranged substring.
Note that the rearrangement of a leading vowel is simply performed with its immediate succeeding consonant. No consonant cluster analysis is needed. Indeed, doing so would result in ambiguities or yield a different order than that specified in the Royal Institute Dictionary. For example:

1. Ambiguities. The problem with ambiguity is illustrated by the word "เพลา". It has two potential pronunciations: either as a two-syllable word, "phe-la" (meaning "time"), or as a one-syllable word, "phlao" (meaning "axle" or "abate"). A rearrangement algorithm which follows the distinct pronunciation of the potential cluster 'พล' in this string would result in distinct keys, "พเลา" and "พลเา", and therefore different weights, which are equally legal. Both words need to have the same weight to be sortable, however.

2. Non-conforming Ordering. To illustrate the difference in ordering caused by the treatment of consonant clusters, consider these words, shown in conforming order: "เพล, เพลง, เพศ". The correct rearrangement ignores any clusters and results in the following: "พเล, พเลง, พเศ", which sorts in the order shown.
If, however, pairs of consonants that form legal clusters were grouped as single collation elements (regardless of actual pronunciation where the potential pronunciation is ambiguous), then the results of rearrangement would be "<พล>เ, <พล>เง, พเศ", which would yield the (non-conforming) ordering "เพศ, เพล, เพลง".
Again, if actual clusters were grouped as single collation elements (with some disambiguation effort), then the results of rearrangement would be
"พเล, <พล>เง, พเศ", which would yield the (non-conforming) ordering "เพล, เพศ, เพลง".

2.2 The Multiple Levels of Character Weights
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The second requirement of the algorithm, relating to the treatment of diacritics and tone marks, implies multiple levels of weights. Tone marks and diacritics must be ignored in the first level, and weigh more than consonants and vowels in the second level.

There are ten Thai decimal digits (๐ ๑ ๒ ๓ ๔ ๕ ๖ ๗ ๘ ๙), each semantically equivalent to Arabic digit 0-9, respectively. Their weights are then equal to their corresponding Arabic digits in the first level, and are different in the second level, to distinguish languages.

When punctuation marks (ๆ ฯ ฿ ๏ ๚ ๛) are concerned, another level of weights is required for them.

This corresponds to the fourth level in the Common Template Table. In string ordering, punctuation marks are less significant than any tone marks and diacritics, and must be ignored in all the first three levels.

For example, "ข้าง ๆ, ข้างกบ, ข้าง ๆ คู ๆ, ข้างจัน" is a valid order in the Royal Institute Dictionary. In the first level, the considered weights are ขาง, ขางกบ, ขางคู, ขางจัน respectively.

The third level is not defined for Thai string ordering, but is reserved for tailoring.

B.5 Cyrillic (issue)

IMPORTANT NOTE.

In accordance with the disposition of comments on the second FCD of ISO/IEC 14651, there is a known issue on Cyrillic in the Common Template Table that needs to be solved before the DIS. The common template table is mostly self-generated from character properties described in tables detained by the Unicode consortium. This led to known and manageable mismatches between this table and actual Cyrillic sorting practice in particular in Russia.

On one hand it is known that the current template table for Cyrillic does not sort Russian correctly for some letters affected by a basic diacritic. The following delta makes the appropriate corrections.

On the other hand defining equivalence of sorting for combining sequences is still an issue whose solution is known but which was not solved on time to obey to optimum FCD ballot deadline constraints.

It is the intent that after the third FCD ballot, this issue will be solved by consensus before the DIS is published. This is expected to be the main issue remaining before the DIS ballot and the ballot period should allow sufficient time for a discussion leading to the optimum solution, whether this will be done via a delta of by manual modification of the self-generated table

reorder-after <U04C0>

```
<U04D1> <S95B>;<BASE>;<MIN>;<U04D1> % CYRILLIC SMALL LETTER A WITH BREVE
"<U0430><U0306>" <S95B>;<BASE>;<MIN>;"<U0430><U0306>" % CYRILLIC SMALL LETTER A with COMBINING BREVE
<U04D0> <S95B>;<BASE>;<CAP>;<U04D0> % CYRILLIC CAPITAL LETTER A WITH BREVE
"<U0410><U0306>" <S95B>;<BASE>;<CAP>;"<U0410><U0306>" % CYRILLIC CAPITAL LETTER A with COMBINING BREVE
<U04D3> <S95C>;<BASE>;<MIN>;<U04D3> % CYRILLIC SMALL LETTER A WITH DIAERESIS
"<U0430><U0308>" <S95C>;<BASE>;<MIN>;"<U0430><U0308>" % CYRILLIC SMALL LETTER A with COMBINING DIAERESIS
<U04D2> <S95C>;<BASE>;<CAP>;<U04D2> % CYRILLIC CAPITAL LETTER A WITH DIAERESIS
"<U0410><U0308>" <S95C>;<BASE>;<CAP>;"<U0410><U0308>" % CYRILLIC CAPITAL LETTER A with COMBINING DIAERESIS

<U04DB> <S95F>;<BASE>;<MIN>;<U04DB> % CYRILLIC SMALL LETTER SCHWA WITH DIAERESIS
"<U04D9><U0308>" <S95F>;<BASE>;<MIN>;"<U04D9><U0308>" % CYRILLIC SMALL LETTER SCHWA with COMBINING DIAERESIS
<U04DA> <S95F>;<BASE>;<CAP>;<U04DA> % CYRILLIC CAPITAL LETTER SCHWA WITH DIAERESIS
"<U04D8><U0308>" <S95F>;<BASE>;<CAP>;"<U04D8><U0308>" % CYRILLIC CAPITAL LETTER SCHWA with COMBINING DIAERESIS

<U0453> <S983>;<BASE>;<MIN>;<U0453> % CYRILLIC SMALL LETTER GJE
"<U0433><U0301>" <S983>;<BASE>;<MIN>;"<U0433><U0301>" % CYRILLIC SMALL LETTER GHE with COMBINING ACUTE ACCENT
<U0403> <S983>;<BASE>;<CAP>;<U0403> % CYRILLIC CAPITAL LETTER GJE
"<U0413><U0301>" <S983>;<BASE>;<CAP>;"<U0413><U0301>" % CYRILLIC CAPITAL LETTER GHE with COMBINING ACUTE ACCENT

<U04D7> <S98B>;<BASE>;<MIN>;<U04D7> % CYRILLIC SMALL LETTER IE WITH BREVE
"<U0435><U0306>" <S98B>;<BASE>;<MIN>;"<U0435><U0306>" % CYRILLIC SMALL LETTER IE with COMBINING BREVE
<U04D6> <S98B>;<BASE>;<CAP>;<U04D6> % CYRILLIC CAPITAL LETTER IE WITH BREVE
"<U0415><U0306>" <S98B>;<BASE>;<CAP>;"<U0415><U0306>" % CYRILLIC CAPITAL LETTER IE with COMBINING BREVE

<U04C2> <S993>;<BASE>;<MIN>;<U04C2> % CYRILLIC SMALL LETTER ZHE WITH BREVE
"<U0436><U0306>" <S993>;<BASE>;<MIN>;"<U0436><U0306>" % CYRILLIC SMALL LETTER ZHE with COMBINING BREVE
<U04C1> <S993>;<BASE>;<CAP>;<U04C1> % CYRILLIC CAPITAL LETTER ZHE WITH BREVE
"<U0416><U0306>" <S993>;<BASE>;<CAP>;"<U0416><U0306>" % CYRILLIC CAPITAL LETTER ZHE with COMBINING BREVE
<U04DD> <S994>;<BASE>;<MIN>;<U04DD> % CYRILLIC SMALL LETTER ZHE WITH DIAERESIS
"<U0436><U0308>" <S994>;<BASE>;<MIN>;"<U0436><U0308>" % CYRILLIC SMALL LETTER ZHE with COMBINING DIAERESIS
<U04DC> <S994>;<BASE>;<CAP>;<U04DC> % CYRILLIC CAPITAL LETTER ZHE WITH DIAERESIS
"<U0416><U0308>" <S994>;<BASE>;<CAP>;"<U0416><U0308>" % CYRILLIC CAPITAL LETTER ZHE with COMBINING DIAERESIS

<U04DF> <S99B>;<BASE>;<MIN>;<U04DF> % CYRILLIC SMALL LETTER ZE WITH DIAERESIS
"<U0437><U0308>" <S99B>;<BASE>;<MIN>;"<U0437><U0308>" % CYRILLIC SMALL LETTER ZE with COMBINING DIAERESIS
<U04DE> <S99B>;<BASE>;<CAP>;<U04DE> % CYRILLIC CAPITAL LETTER ZE WITH DIAERESIS
"<U0417><U0308>" <S99B>;<BASE>;<CAP>;"<U0417><U0308>" % CYRILLIC CAPITAL LETTER ZE with COMBINING DIAERESIS

<U04E5> <S9A7>;<BASE>;<MIN>;<U04E5> % CYRILLIC SMALL LETTER I WITH DIAERESIS
```

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"<U0438><U0308>" <S9A7>;<BASE>;<MIN>;"<U0438><U0308>" % CYRILLIC SMALL LETTER I with COMBINING DIAERESIS
<U04E4> <S9A7>;<BASE>;<CAP>;<U04E4> % CYRILLIC CAPITAL LETTER I WITH DIAERESIS
"<U0418><U0308>" <S9A7>;<BASE>;<CAP>;"<U0418><U0308>" % CYRILLIC CAPITAL LETTER I with COMBINING DIAERESIS
<U04E3> <S9A8>;<BASE>;<MIN>;<U04E3> % CYRILLIC SMALL LETTER I WITH MACRON
"<U0438><U0304>" <S9A8>;<BASE>;<MIN>;"<U0438><U0304>" % CYRILLIC SMALL LETTER I with COMBINING MACRON
<U04E2> <S9A8>;<BASE>;<CAP>;<U04E2> % CYRILLIC CAPITAL LETTER I WITH MACRON
"<U0418><U0304>" <S9A8>;<BASE>;<CAP>;"<U0418><U0304>" % CYRILLIC CAPITAL LETTER I with COMBINING MACRON
<U0457> <S9AB>;<BASE>;<MIN>;<U0457> % CYRILLIC SMALL LETTER YI
"<U0456><U0308>" <S9AB>;<BASE>;<MIN>;"<U0456><U0308>" % CYRILLIC SMALL LETTER BYELORUSSIAN-UKRAINIAN I with COMBINING DIAERESIS
<U0407> <S9AB>;<BASE>;<CAP>;<U0407> % CYRILLIC CAPITAL LETTER YI
"<U0406><U0308>" <S9AB>;<BASE>;<CAP>;"<U0406><U0308>" % CYRILLIC CAPITAL LETTER BYELORUSSIAN-UKRAINIAN I with COMBINING DIAERESIS
<U0439> <S9AC>;<BASE>;<MIN>;<U0439> % CYRILLIC SMALL LETTER SHORT I
"<U0438><U0306>" <S9AC>;<BASE>;<MIN>;"<U0438><U0306>" % CYRILLIC SMALL LETTER I with COMBINING BREVE
<U0419> <S9AC>;<BASE>;<CAP>;<U0419> % CYRILLIC CAPITAL LETTER SHORT I
"<U0418><U0306>" <S9AC>;<BASE>;<CAP>;"<U0418><U0306>" % CYRILLIC CAPITAL LETTER I with COMBINING BREVE

<U04E7> <S9EC>;<BASE>;<MIN>;<U04E7> % CYRILLIC SMALL LETTER O WITH DIAERESIS
"<U043E><U0308>" <S9EC>;<BASE>;<MIN>;"<U043E><U0308>" % CYRILLIC SMALL LETTER O with COMBINING DIAERESIS
<U04E6> <S9EC>;<BASE>;<CAP>;<U04E6> % CYRILLIC CAPITAL LETTER O WITH DIAERESIS
"<U041E><U0308>" <S9EC>;<BASE>;<CAP>;"<U041E><U0308>" % CYRILLIC CAPITAL LETTER O with COMBINING DIAERESIS
<U04EB> <S9F0>;<BASE>;<MIN>;<U04EB> % CYRILLIC SMALL LETTER BARRED O WITH DIAERESIS
"<U04E9><U0308>" <S9F0>;<BASE>;<MIN>;"<U04E9><U0308>" % CYRILLIC SMALL LETTER BARRED O with COMBINING DIAERESIS
<U04EA> <S9F0>;<BASE>;<CAP>;<U04EA> % CYRILLIC CAPITAL LETTER BARRED O WITH DIAERESIS
"<U04E8><U0308>" <S9F0>;<BASE>;<CAP>;"<U04E8><U0308>" % CYRILLIC CAPITAL LETTER BARRED O with COMBINING DIAERESIS

<U045C> <SA13>;<BASE>;<MIN>;<U045C> % CYRILLIC SMALL LETTER KJE
"<U043A><U0301>" <SA13>;<BASE>;<MIN>;"<U043A><U0301>" % CYRILLIC SMALL LETTER KA with COMBINING ACUTE ACCENT
<U040C> <SA13>;<BASE>;<CAP>;<U040C> % CYRILLIC CAPITAL LETTER KJE
"<U041A><U0301>" <SA13>;<BASE>;<CAP>;"<U041A><U0301>" % CYRILLIC CAPITAL LETTER KA with COMBINING ACUTE ACCENT

<U045E> <SA17>;<BASE>;<MIN>;<U045E> % CYRILLIC SMALL LETTER SHORT U
"<U0443><U0306>" <SA17>;<BASE>;<MIN>;"<U0443><U0306>" % CYRILLIC SMALL LETTER U with COMBINING BREVE
<U040E> <SA17>;<BASE>;<CAP>;<U040E> % CYRILLIC CAPITAL LETTER SHORT U
"<U0423><U0306>" <SA17>;<BASE>;<CAP>;"<U0423><U0306>" % CYRILLIC CAPITAL LETTER U with COMBINING BREVE
<U04F1> <SA18>;<BASE>;<MIN>;<U04F1> % CYRILLIC SMALL LETTER U WITH DIAERESIS
"<U0443><U0308>" <SA18>;<BASE>;<MIN>;"<U0443><U0308>" % CYRILLIC SMALL LETTER U with COMBINING DIAERESIS
<U04F0> <SA18>;<BASE>;<CAP>;<U04F0> % CYRILLIC CAPITAL LETTER U WITH DIAERESIS
"<U0423><U0308>" <SA18>;<BASE>;<CAP>;"<U0423><U0308>" % CYRILLIC CAPITAL LETTER U with COMBINING DIAERESIS
<U04F3> <SA19>;<BASE>;<MIN>;<U04F3> % CYRILLIC SMALL LETTER U WITH DOUBLE ACUTE
"<U0443><U030B>" <SA19>;<BASE>;<MIN>;"<U0443><U030B>" % CYRILLIC SMALL LETTER U with COMBINING DOUBLE ACUTE ACCENT
<U04F2> <SA19>;<BASE>;<CAP>;<U04F2> % CYRILLIC CAPITAL LETTER U WITH DOUBLE ACUTE
"<U0423><U030B>" <SA19>;<BASE>;<CAP>;"<U0423><U030B>" % CYRILLIC CAPITAL LETTER U with COMBINING DOUBLE ACUTE ACCENT
<U04EF> <SA1A>;<BASE>;<MIN>;<U04EF> % CYRILLIC SMALL LETTER U WITH MACRON
"<U0443><U0304>" <SA1A>;<BASE>;<MIN>;"<U0443><U0304>" % CYRILLIC SMALL LETTER U with COMBINING MACRON
<U04EE> <SA1A>;<BASE>;<CAP>;<U04EE> % CYRILLIC CAPITAL LETTER U WITH MACRON
"<U0423><U0304>" <SA1A>;<BASE>;<CAP>;"<U0423><U0304>" % CYRILLIC CAPITAL LETTER U with COMBINING MACRON
<U04AF> <SA1C>;<BASE>;<MIN>;<U04AF> % CYRILLIC SMALL LETTER STRAIGHT U
<U04AE> <SA1C>;<BASE>;<CAP>;<U04AE> % CYRILLIC CAPITAL LETTER STRAIGHT U

<U04F5> <SA4F>;<BASE>;<MIN>;<U04F5> % CYRILLIC SMALL LETTER CHE WITH DIAERESIS
"<U0447><U0308>" <SA4F>;<BASE>;<MIN>;"<U0447><U0308>" % CYRILLIC SMALL LETTER CHE with COMBINING DIAERESIS
<U04F4> <SA4F>;<BASE>;<CAP>;<U04F4> % CYRILLIC CAPITAL LETTER CHE WITH DIAERESIS
"<U0427><U0308>" <SA4F>;<BASE>;<CAP>;"<U0427><U0308>" % CYRILLIC CAPITAL LETTER CHE with COMBINING DIAERESIS

<U04F9> <SA78>;<BASE>;<MIN>;<U04F9> % CYRILLIC SMALL LETTER YERU WITH DIAERESIS
"<U044B><U0308>" <SA78>;<BASE>;<MIN>;"<U044B><U0308>" CYRILLIC SMALL LETTER YERU with COMBINING DIAERESIS
<U04F8> <SA78>;<BASE>;<CAP>;<U04F8> % CYRILLIC CAPITAL LETTER YERU WITH DIAERESIS
"<U042B><U0308>" <SA78>;<BASE>;<CAP>;"<U042B><U0308>" % CYRILLIC CAPITAL LETTER YERU with COMBINING DIAERESIS

<U0477> <SAAF>;<BASE>;<MIN>;<U0477> % CYRILLIC SMALL LETTER IZHITSA WITH DOUBLE GRAVE ACCENT
"<U0475><U030F>" <SAAF>;<BASE>;<MIN>;"<U0475><U030F>" % CYRILLIC SMALL LETTER IZHITSA with COMBINING DOUBLE GRAVE ACCENT
<U0476> <SAAF>;<BASE>;<CAP>;<U0476> % CYRILLIC CAPITAL LETTER IZHITSA WITH DOUBLE GRAVE ACCENT
"<U0474><U030F>" <SAAF>;<BASE>;<CAP>;"<U0474><U030F>" % CYRILLIC CAPITAL LETTER IZHITSA with COMBINING DOUBLE GRAVE ACCENT

end-reorder
```

C -- Preparation (informative)

C.1 General considerations

Preparation is necessary only for modification and/or duplication of original strings to render them context-independent prior to the comparison phase. Examples are:

- duplication of a string such as "41" for phonetic ordering into differentiated strings for multilingual phonetic ordering usage (Irish Gaelic, German, English, and French):

    daichead a haon

    einundvierzig

    forty-one

    quarante-et-un

    - removal or rotation of characters that are a nuisance for special requirements of ordering; for example, removing articles in sorting book names as in

        Tale of two cities, A

- transformation of abbreviated data into a fuller form; for example, transformation of "McArthur" to give "MacArthur"

- transformation of numbers so that the result will be ordered in numerical order, as opposed to positional order (see below). Numeric ordering is particularly delicate and requires special consideration in many cases.

C.2 Handling of numeral substrings in collation

A numeral is a string representing a number. The examples here deal with numerals which represent values in R, the real numbers, or subsets of R, as these have a predetermined order. Only decimal numerals are dealt with in the examples given here.

The presentation below will first give positional system decimal numerals for natural numbers using the digits 0-9. It will progress to numerals for whole numbers, numerals with a fraction part, a fraction part and an exponent. There is also a brief discussion on numerals with digits from other scripts, scripts which sometimes uses another syntax with digits for numerals (such as Hàn numerals), and Roman numerals. There are circumstances where digits do not represent numeral values, such as in part numbers. These cases are not discussed below. Caution: preparatory steps have undesirable consequences in some cases such as the ordering of telephone numbers in telephone books, and should be avoided in those cases.

C.2.1 Handling of 'ordinary' numerals for natural numbers

The Common Template Table has no means of sorting strings with numbers in such a way that the resulting order reflects the number values represented by the numerals. For example, given the following randomly-arranged strings:

> Release 1
> Release 20
> Release 12
> Release 2
> Release 9

the method described in the this International Standard yields the following list of "sorted" strings:

> Release 1
> Release 12
> Release 2
> Release 20
> Release 9

(It is sufficient simply to look positionally at just the first digit in each numeral to see why this ordering results.) A more acceptable ordering is:

> Release 1
> Release 2
> Release 9
> Release 12
> Release 20

The Common Template Table defined in this International Standard cannot be tailored to give this result. However, preparation can be done prior to the basic collation step to achieve the desired results when numeric value order is desired. The prepared strings are normally not presented to the user; only the original strings are. The prepared strings are normally only used for the collation key construction. A simple, but not very general, way of preparing numerals for natural ordering is to pad them with zeroes to a given number of digits. If one pads the numerals in our original example strings up to three digits, the following will result:

> Release 001
> Release 020
> Release 012
> Release 002
> Release 009

Using the Common Template Table defined in this International Standard one then obtains the strings in a better order (here showing the strings as they are after preparation, which are normally not shown in the result):

> Release 001
> Release 002

Release 009
Release 012
Release 020

However, there are two problems with this approach:

1. One must determine beforehand a (usually small) number of digits to pad up to. If the number of digits to pad up to is too large, the strings after preparation can become rather long, especially if there are several numerals in each string. If the number of digits to pad up to is too small, however, the risk is greater that there are actually occurring numerals with more digits than one has padded up to, which results in partially getting back to the original situation, where the numerals' values are not taken entirely into account.

2. Determinacy is lost, if some of the original numerals were already partially zero-padded. For example, if the original strings were:

    Release 01
    Release 1

    the strings after preparation are identical, and the end result (as the user would normally see it) could be either

    Release 01
    Release 1

    or

    Release 1
    Release 01

    and the relative order may come out differently for different occurrences of numerals, or different runs of the collation process applying the same rules. Indeterminacy in collation is not desirable.

There are many ways to deal with these problems. The following is one such way.

To each maximal digit subsequence prepend a fixed-number-of-digits numeral which represents the original number of digits in the numeral. For most cases a two-digit count would suffice (allowing up to 99 digits in the original integer numerals). For example, given the original strings:

Release 1
Release 01
Release 20
Release 12
Release 2
Release 09
Release 9

One obtains after this preparation the following strings:

Release 011
Release 0201
Release 0220
Release 0212
Release 012
Release 0209
Release 019

Which would be collated by the basic mechanism of this International Standard to:

Release 011
Release 012
Release 019
Release 0201
Release 0209
Release 0212
Release 0220

As normally presented to the user:

Release 1
Release 2
Release 9
Release 01
Release 09
Release 12
Release 20

This particular method puts numerals with a like original number of digits close to each other, even if the actual value represented is smaller due to the original zero-padding. If the represented *values* should be kept close together, one should instead duplicate the numeral: first a count of digits for the leading-zero-stripped numeral, the leading-zero-stripped numeral itself, followed by the original numeral. The duplication is needed to get determinacy relative to the original strings. For example, using the same original strings as above:

Release 011 1
Release 011 01
Release 0220 20
Release 0212 12
Release 012 2
Release 019 09
Release 019 9

Which would be collated by the basic mechanism of this standard to:

Release 011 01
Release 011 1
Release 012 2
Release 019 09

Release 019 9
Release 0212 12
Release 0220 20

As normally presented to the user:

Release 01
Release 1
Release 2
Release 09
Release 9
Release 12
Release 20

The originally zero-padded numerals consistently come before the numeral without (or with less) original zero-padding. The preparation processing could move the original numerals (in order of occurrence) to the very end of each string, if one wants to give the original zero-padding lesser significance than the text following the numerals.

The presence of several natural numerals in each string causes no additional problem.

Taking care of the natural number numerals is in most cases sufficient, and it is recommended that it be included as part of the usual preparation of strings to be collated. However such preparation is not required by this International Standard.

C.2.2 Handling of positional numerals in other scripts

ISO/IEC 10646 encodes decimal digits for a number of scripts. In most cases these are used in a positional system, just like 0-9 usually are. However, one should not regard a sequence of numerals mixed from different scripts as a single numeral; rather, one should consider each maximal substring of digits of the same script to be a numeral.

C.2.3 Handling of other non-pure positional system numerals or non-positional system numerals (e.g. Roman numerals)

Chinese and some other languages can use decimal digits (in the Hàn script, for instance) interspersed with ideographs for "one thousand", "ten", etc. If such numerals are to be collated according to the value they represent, one can proceed as above, adding a step just after the initial duplication: convert the copy to the corresponding positional system numeral in the syntax used here for whole numerals.

Roman numerals, if handled, can be handled in a similar fashion to that described above. Duplicate, and replace the first copy with the same natural number expressed in the decimal positional system. E.g. "Louis V", where the V is determined to be a Roman numeral, can be modified to "Louis 5 V".

Caveat: In this case human interactive intervention or an expert system may be required, as in the following example involving the French language: CHAPITRE DIX might mean CHAPTER 10 or CHAPTER 509 ("dix" is the French word for 10, it is also the Roman numeral for 509).

C.2.4 Handling of numerals for whole numbers

If negative whole numbers are also to be sorted according to their value, there are a number of issues to be considered. Most frequently, negative whole values are given numerals that begin with a negation sign. The negation sign may be HYPHEN-MINUS U+002D (caveat: this character may represent a true hyphen, rather than a negation), or MINUS SIGN U+2212. But there are other conventions also, like using a SOLIDUS U+002F or a PERCENT SIGN U+0025 to indicate negativeness; or the negation indicator can come *after* the digits rather than before; or negativeness can be indicated by putting the digits between parenthesis, and/or putting the digits in a contrasting color (often red). In the examples here, only the case that negativeness is indicated by an immediately prepended MINUS SIGN is dealt with. Positiveness is indicated by either the absence of a MINUS SIGN, or the presence of a PLUS SIGN U+002B.

Temperature: –9 °C
Temperature: 0 °C
Temperature: –14 °C
Temperature: 05 °C
Temperature: +5 °C
Temperature: –0 °C
Temperature: –09 °C
Temperature: 105 °C
Temperature: +05 °C
Temperature: 5 °C

One preparation to get an acceptable and determinate order for numerals (in this syntax) for whole numbers is as follows (actual implementations should do something equivalent, but more efficient):

3. Duplicate the numerals in the string (including sign indications), putting the 'original' ones (not to be touched by the following steps) in order of original occurrence at the end or the string, leaving the copies at the original positions. This step ensures determinacy.

4. Ensure that all of the copies have an explicit initial sign indicator.

5. Remove leading zeroes in the copies of the numerals (systematically either leaving one zero digit for zero or representing 0 by the empty string of digits); alternatively, let all numeral copies have exactly one leading zero.

6. Between the sign indicator and the digits in the copies of the numerals, insert a (two-digit) count of how many digits there were (after removing the leading zeroes).

7. Do 9's complement on each digit in each copy of a negated numeral. 9's complement of a digit that individually represents the value x, is $9-x$. That is, 9's complement of 0 is 9, of 9 is 0, of 5 is 4, etc.

8. Done with this (part of the) preparation.

For the basic collation step, use a tailoring of the template given in this standard, namely, a tailoring where the PLUS SIGN and the MINUS SIGN are significant at the same level as the digits, and where the MINUS SIGN has less weight than the PLUS SIGN. (In the example below, it is assumed that the weight of PLUS SIGN is less than the weight of 0, but this is not a prerequisite for getting an acceptable ordering.)

Our example strings after this prehanding:

    Temperature: –980 °C –9
    Temperature: +00 °C 0
    Temperature: –9785 °C –14
    Temperature: +015 °C 05
    Temperature: +015 °C +5
    Temperature: –99 °C –0
    Temperature: –980 °C –09
    Temperature: +03105 °C 105
    Temperature: +015 °C +05
    Temperature: +015 °C 5

Sort these, using the basic mechanism of this standard:

    Temperature: –9785 °C –14
    Temperature: –980 °C –09
    Temperature: –980 °C –9
    Temperature: –99 °C –0
    Temperature: +00 °C 0
    Temperature: +015 °C +05
    Temperature: +015 °C +5
    Temperature: +015 °C 05
    Temperature: +015 °C 5
    Temperature: +03105 °C 105

As presented to the user:

    Temperature: –14 °C
    Temperature: –09 °C
    Temperature: –9 °C
    Temperature: –0 °C
    Temperature: 0 °C
    Temperature: +05 °C
    Temperature: +5 °C
    Temperature: 05 °C
    Temperature: 5 °C
    Temperature: 105 °C

This preparation results in a determinate ordering of strings which may have numerals for whole numbers in them (also if there are several such numerals in some of the strings), such that the numerals are ordered according to the integer value they represent.

The process for other syntaxes for whole numbers can be similar. Just add a step to convert the copies to the syntax used here for whole numbers.

This technique for handling negative numerals can be used also for numerals with a fractional part, and so on (see below).

C.2.5 Handling of positive positional numerals with fractional parts

The method presented above can easily be adapted to the case where fraction parts may occur and are to be taken into account. A problem is, however, that the characters often used to delimit the integer part from the fraction part are also used for other purposes. The separator character is generally either FULL STOP U+002E, or COMMA U+002C. These characters also have other uses, also in conjunction with digits.

For the example, assume that FULL STOP is used (only) as a fraction part delimiter.

Do as above, but count only the digits in the integer part of the numeral for the count of digits to be prepended. The fraction part delimiter character can be removed.

For example:

–12.34

12.34

3.1415

3.14

After preparation:

–978765 –12.34

+021234 12.34

+013.1415 3.1415

+01314 3.14

After sorting:

–978765 –12.34

+01314 3.14

+0131415 3.1415

+021234 12.34

As presented to the user:

–12.34

3.14

3.1415

12.34

C.2.6 Handling of positive positional numerals with fraction parts and exponent parts

For very large, or very small, values, one often uses formats like $2.5*10^7$ (to illustrate just one possible way of writing these for the purposes of the examples here). Here there is already an exponent, which must be combined with the "number of integer part digits" (here: digits before the decimal point), by adding those two numbers to get a resulting fixed-number-of-digits exponent to prepend just before the first digit. For this

example, with a three-digit exponent: we get +00825. One problem here is that the resulting exponent may be negative. To handle this, use an exponent bias. For a three-digit exponent a bias of 500 may be suitable, which gives us for this example numeral: +50825, and for the numeral $2.5*10^{-7}$ we get +49425. Negative values are handled as before, with 9's complement. $-2.5*10^{7}$ gives –49174, and $-2.5*10^{-7}$ gives –50574.

This method should be familiar to anyone with knowledge about (radix 10) floating point arithmetic.

Thus:

$2.5*10^{-7}$
$-2.5*10^{7}$
$2.5*10^{7}$
$-2.5*10^{-7}$

After preparation (including a duplicate of the original, for determinacy):

+49425 $2.5*10^{-7}$
–49174 $^{-}2.5*10^{7}$
+50825 $2.5*10^{7}$
–50574 $^{-}2.5*10^{-7}$

After sorting:

–49174 $^{-}2.5*10^{7}$
–50574 $^{-}2.5*10^{-7}$
+49425 $2.5*10^{-7}$
+50825 $2.5*10^{7}$

As presented to the user:

$-2.5*10^{7}$
$-2.5*10^{-7}$
$2.5*10^{-7}$
$2.5*10^{7}$

C.2.8 Handling of date and time of day indications

Going a bit beyond plain numerals, date and time-of-day indications often employ numerals (as well as names for months, weekdays, etc.) for the parts of the date and time-of-day indication. It is not uncommon to want to sort this kind of information also when it occurs within strings.

The preparation needed to obtain date and time-of-day indications, of some predetermined syntaxes, sorted according to point in time is similar to what has been described above.

9. Duplicate all date and time-of-day indications to maintain determinacy of collation when the original strings differ, but point in time identical. Leave the originals at the end of the strings, untouched by the following steps.

10. Convert the copies of the date and time indications to the same calendar system, if there are several calendar (sub)systems used and handled. The calendar (sub)system converted to, must be suitable for being able to get proper time order. We will here use the Gregorian calendar system and the subsystem of year, month, day-of-month.

11. Put the date and time-of-day elements in order of decreasing significance (to the resolution taken into account). Full year, month, day-of-month, hour, minute, second, fraction of second.

12. Use a 24-hour/day clock for the time-of-day indications. Remove A.M. or P.M. indications, if present and handled, in the date-time indication copies.

13. Use the UTC time zone for the date and time-of-day indications. Remove time zone indications, if present, in the date-time indication copies.

14. Use month numbers, rather than month names. Use two digits each for month, day-of-month, hour, minute, second.

15. Use full year number representation, as many digits as needed. Take abbreviations into account so that the full year number is used. E.g. '98' might denote year 98 or year 1998, or 1898, etc. No indeterminacy regarding year due to abbreviations like these may be present after the preparation step.

16. For years AD, use an initial PLUS SIGN. For years BC, use an initial MINUS SIGN. Remove the original AD or BC indication from the copies. (To nitpick, year n BC should be represented by year (1–n), which is less or equal to zero if n is positive.)

17. For the year indications, insert between the sign indication and the first digit for the year indication a digit telling how many digits there are in the full year indication. One digit for this should suffice.

18. For negative years, replace the each digit in the year indication (including the digit telling the number of digits in the original full year indication) with its 9's complement digit.

19. Make sure the textual format for all of the date indication copies is the same (paying attention to hyphens, spaces, etc.). (This is most easily accomplished by printing them in the same format from an internal, non-string, representation.)

20. Alternatively, use a number indicating the point of time on a linear time scale (for example, hours, milliseconds, or days from a predetermined point in time), to the resolution desired, and handle this as an ordinary numeral (see above).

21. Done with this (part of the) preparation.

22. For the basic collation step, use a tailoring of the template given in this standard. Use a tailoring where the PLUS SIGN and the MINUS SIGN are significant at the same level as the digits, and where the MINUS SIGN has less weight than the PLUS SIGN.

For example:

> Dated: July 19, 1955, at 1 p.m. GMT
> Dated: January, 20 BC
> Dated: Sept. 20, 1995, at 1 p.m. PST
> Dated: 11-june/345 AD

After preparation:

> Dated: +41955-07-19T13:00Z July 19, 1955, at 1 p.m. GMT
> Dated: −780-01 January, 20 BC

Dated: +1995-09-20T10:00Z Sept. 20, 1995, at 1 p.m. PST
Dated: +3345-06-11 11-june/345 AD

After sorting:

Dated: –780-01 January, 20 BC
Dated: +3345-06-11 11-june/345 AD
Dated: +41955-07-19T13:00Z July 19, 1955, at 1 p.m. GMT
Dated: +41995-09-20T10:00Z Sept. 20, 1995, at 1 p.m. PST

As presented to the user:

Dated: January, 20 BC
Dated: 11-june/345 AD
Dated: July 19, 1955, at 1 p.m. GMT
Dated: Sept. 20, 1995, at 1 p.m. PST

C.2.9 Making numbers less significant than letters

In many cases numerals preceding letters should be considered as less significant than the following alphabetic part. But the Common Template Table specifies digits to be level 1 significant. To make numerals less significant than letters, either tailor the weight table so that numerals are ignored at level 1 (but significant at level 2 or 3), or alternatively leave them significant at level 1, but prepare the strings so that numerals are moved to the end of the string or moved to a less significant field. When doing such a move, one must pay attention not to map different strings to identical strings (or identical string fields), so that determinacy is maintained (see the section C.2.10).

Some examples where it is appropriate to consider numerals as less significant than letters: Street or block names with one or more numbers to indicate where in the street/block, if that/those number(s) precede the street or block name (common for example in the US and in Japan); chemical compound names which have prepended numerals, e.g., 1,2-diclorobenzol.

C.2.10 Maintaining determinacy

As noted above in several cases, part of the string has been duplicated to maintain determinacy in collation, when the original strings are different, but when preparation may otherwise turn different strings into identical strings.

This method of duplication for determinacy can be used more generally, so if there are several preparations affecting different parts of the strings, one may simply duplicate the original strings to begin with, and only perform the preparation (without additional duplication) on the first half of the "doubled" string.

One disadvantage with just concatenating the two copies is that the base letters of the second half of the "doubled" string count as more significant than the accents and case of the resulting first half of the "doubled" string. This International Standard has no mechanism for handling this in a better way, where the "original" (the second half of the "doubled" string) would count as less significant than the *entire* first half of the "doubled" string. This may be handled better by having the original and copy in different 'fields', and construct the collation key by combining the full keys for each 'field'. Such processing is beyond the scope of this International Standard, however.

Note that the string after preparation is used only for the collation key construction. The original string is not intended to be retrievable from the modified string, though this is possible with this way of attaining determinacy. The strings to be presented to the user are the original, by preparation untouched, strings.

Maintenance of determinacy when some of the original strings to be collated are identical, is out of the scope of this International Standard. A collation processor should, however, document if it is 'stable' (maintaining initial relative order of identical strings) or not. This is useful to know when collating on one field of multi-field data.

Annex D -- Tutorial on solutions brought by this standard to problems of lexical ordering (informative)

Why aren't existing standard codes, character by character comparisons, and commercial sort programs appropriate for sorting, and what must be done to solve the problem? For clarity, this discussion will start with the Latin script.

i.   Sorting, in any language using the Latin script, including English, using standard ISO/IEC 646 coding, does not follow traditional dictionary sequence, which is the minimum the average user needs.

Example: Sorting the list "august", "August", "container", "coop","co-op", "Vice-president", "Vice versa" gives the following order, if ISO/IEC 646 coding is used and a simple sort following binary order is performed:

August
Vice versa
Vice-president
august
co-op
container
coop

This ordering is obviously incorrect.

ii.   Transforming lower case to upper case and removing special characters yields a sorted list acceptable to users, but also yields unpredictable results.

Example: Sorting the list "August", "august", "coop", "co-op" gives the following order:

August
august
coop
co-op

Sorting the same list with a different initial order, say, "august", "co-op", "August", "coop" may give a different order with this method:

august
August
co-op
coop

iii.   If accented characters are introduced using for example any ISO/IEC 8-bit character set, the same problems encountered in examples i and ii above are amplified but they share the same causes.

iv.   If tables are reorganized to make all related characters contiguous, one might think that a simplified single-character sort would result, but this does not work either. Take upper and lower case unaccented letters as an example. If code position 01 is assigned to "a", code position 02 assigned

to "A", code position 03 to "b", code position 04 to "B" and so on, a list sorted directly according to these rearranged values will yield the following:

Sorted List	Internal Values
aaaa	01010101
abbb	01030303
Aaaa	02010101
Abbb	02030303

This is also predictable, but remains obviously incorrect for any country with regard to cultural expectations.

v.   The only solution is to decompose the initial data in a way which will respect traditional lexical order, and at the same time ensure absolute predictability. For the Latin script, this necessitates at least four levels:

1. The first decomposition renders information to be sorted case-insensitive and insensitive to diacritical marks, removing all special characters (which have no pre-established traditional order.

An example using English:

"résumé" ('curriculum vitae') becomes "resume" ('begin again'), without any accent.

An example using French:

"Vice-légation" becomes "vicelegation", with no accent, no upper case and no hyphen.

An example using German:

"groß" becomes "gross", with the sharp-s being converted to double-s to render it case insensitive.

In Spanish or Nordic languages, some extra letters are added to the 26 fixed letters of the English, French and German alphabets, which are not ordered according to the expectations of those languages. This demonstrates the need for adaptability.

2. The second decomposition breaks ties on quasi-homographs, that is, strings that differ only because they have different diacritical marks. In English, "resumé" and "résumé" are quasi-homographs. Traditional English lexical order requires that "resume" always comes before "résumé" (which sorting using only the first level would not guarantee). In this case, the tradition does not explicitly specify whether "resumé" should come before "résumé", though this would seem logical: most English and German dictionaries only state that unaccented words precede the accented words - However German dictionary generally employ the German standard DIN 5007, which states more precise rules.

Here another characteristic is introduced. In French, because of the large number of multiple quasi-homograph groups formed of more than 2 instances, the most important dictionaries follow the following rule: accents are generally not taken into account for sorting, but in case of homographic ties, the *last difference* in the word determines the correct order between two given words, a priority order being then assigned to each type of accent. According to this, "coté" should be sorted after

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"côte" but before "côté". This is easy to implement with "backwards" tailoring: a number is assigned to each character of the data to be sorted, representing either a letter with an accent or a letter with no accent at all, but these numbers are stacked instead of being added to a linear list: in other words, the resulting string is made starting from the last character of the original data and processing in a backwards direction.

Example: to obtain an order respecting this rule: "cote, "côte", "coté", "côté", numbers could be assigned indicating respectively "****", "**c*", "a***", "a*c*", where "*" means no accent, "a" means acute accent, "c" circumflex accent. Here this scheme is sufficient to break the tie correctly at this second level.

3. The third decomposition breaks ties for quasi-homographs which differ only because upper-case and lower-case characters are used. This time, the tradition is well established in German dictionaries, where lower case always precedes upper case in homographs, while the tradition is not well established in French dictionaries, which generally use only accented capital letters for common word entries. In known French dictionaries where upper and lower case letters are mixed, the capitals generally come first, though this is not an established and stated rule, because there are numerous exceptions. English has no monolithic practice for this, a bit like French. So for a Common Template it is advisable to use the well-established German tradition, if one wants to group the largest possible number of languages together without affecting others. Note that in Denmark, upper case is specified to precede lower case, a different but well-established rule. This is a second fact which demonstrates the need for adaptability in the model used in this International Standard.

Example: to have the following order: "august", "August", numbers could be assigned indicating respectively "llllll", "ulllll", where "l" means lower case and "u" upper case.

4. The fourth decomposition breaks the final tie which, in general, does not correspond to any strong tradition, namely, the tie between quasi-homographs differing only because they contain special characters. Breaking this tie is essential to ensure the absolute predictability of ordering as well as enabling the ordering of strings composed only of special characters. Since the traces of special characters were removed from the original data to form the three first orders of decomposition, simply putting them sequentially in the fourth order of decomposition would mean that their position would be lost. These positions are quite important to solve remaining ties and in consequence the original positions of these special characters must be retained: two quasi-homographs could each contain a common special character in different positions and thus be strictly different (example: "ab*cd" is different from "a*bcd" despite they share one and only one common special character).

Example: to obtain the following order: "coop", "co-op", "coop-", numbers could be assigned respectively according to the following pattern: "d", "d3-" and "d5-", where "d" is an ever-present delimiter separating this decomposition from the first three in case all four decompositions are to be concatenated to form a single sorting key based on numeric values (see discussion in the next paragraph). "3-" means a hyphen in position 3 of the original string. "5-" means a hyphen in position 5, and so on.

These four decompositions can be structured using a four-level key, concatenating the subkeys from the highest significance to the lowest. If the coded assignment of numbers is done properly, instead of necessitating a cumbersome exception process for dealing with homographs, all decompositions may be made at once and resulting strings concatenated and passed through a standard ordering program sorting in numeric order. To attain this result, it is sufficient that the numbers chosen for the first decomposition code set be greater than numbers chosen for the second one, the second one's greater than the third one's, and that the delimiter chosen for the fourth decomposition be less than the lowest possible number coded elsewhere for the sort (a delimiter called logical zero), in which case no restriction applies to the content of the fourth decomposition. An easier implementation

might just choose to put the lowest value possible as a delimiter between each subkey, in which case no restriction ever applies.

This method was fully described with tables in *Règles du classement alphabétique en langue française et procédure informatisée pour le tri*, Alain LaBonté, Ministère des Communications du Québec, 1988-08-19, ISBN 2-550-19046-7.

Reduction techniques have been designed to considerably shorten space requirements. As no implementation is required to use specific numbers for weights and neither reduction nor compression is required, this issue is outside the scope of this International Standard. Nevertheless, it is interesting to note that implementation can be optimized. This has been improved over time and is easy to accomplish, some methods being more efficient than others.

A public-domain reduction technique is described in details (with numerous examples) in *Technique de réduction - Tris informatiques à quatre clés,* Alain LaBonté, Ministère des Communications du Québec, 1989-06 (ISBN 2-550-19965-0).

vi.   For a number of languages, the Common Template presented in this standard will need to be adapted, both in the table values for the four orders of keys (which can require redefining characters or introducing multicharacter collating elements into the table) and in the potential context analysis processing necessary to achieve culturally correct results for users of these languages. To illustrate this (without discussing context analysis which is not necessary in what follows), examples of dictionary sequences are given here for two languages which native order is not in the Common Template table:

Traditional Spanish (where "ch" is greater than "cu" and "ña" is greater than "no"):
        cuneo<cúneo<chapeo<nodo<ñaco

(Comparative French/English/German sort:
        chapeo<cuneo<cúneo<ñaco<nodo)

Danish (where "a" is less than "c", "cz" is less than "cæ" and "cø", and "aa" is equivalent to "å", which is greater than "z", even in cases where it is pronounced differently):
        Alzheimer<czar<cæsium<cølibat< Aachen<Aalborg<Århus

(Comparative French/English/German sort:
        Aachen<Aalborg< Alzheimer<Århus<cæsium<cølibat<czar)

Annex E -- Description of a collating sequence definition (informative)

Note: This text is relevant within the context of standards ISO/IEC 9945-2 and ISO/IEC 14652 of which ISO/IEC 14651 is complementary but independent. This annex is informative as far as conformance to this International Standard is involved. The use of the word "shall" in this annex is indicative only and is to be interpreted only within the framework of International Standards ISO/IEC 9945-2 and ISO/IEC 14652, which should be consulted for more accurate information.

A collation sequence definition defines the relative order between collating elements (characters and multicharacter collating elements). This order is expressed in terms of collation values; i.e., by assigning each element one or more collation values (also known as collation weights). This does not imply that applications shall assign such values, but that ordering of strings using the resultant collation definition shall behave as if such assignment is done and used in the collation process. The collation sequence definition is used by regular expressions, pattern matching, and sorting. The following capabilities are provided:

(1)   Multicharacter collating elements. Specification of multicharacter collating elements (i.e., sequences of two or more characters to be collated as an entity).

(2)   User-defined ordering of collating elements. Each collating element shall be assigned a collation value defining its order in the character (or basic) collation sequence. This ordering is used by regular expressions and pattern matching and, unless collation weights are explicitly specified, also as the collation weight to be used in sorting.

(3)   Multiple weights and equivalence classes. Collating elements can be assigned one or more collating weights for use in sorting. The first weight is hereafter referred to as the primary weight.

(4)   One-to Many mapping. A single character is mapped into a string of collating elements.

(5)   Many-to-Many substitution. A string of one or more characters is substituted by another string (or an empty string, i.e., the character or characters shall be ignored for collation purposes).

(6)   Equivalence class definition. Two or more collating elements have the same collation value (primary weight).

(7)   Ordering by weights. When two strings are compared to determine their relative order, the two strings are first broken up into a series of collating elements, and each successive pair of elements are compared according to the relative primary weights for the elements. If equal, and more than one weight has been assigned, then the pairs of collating elements are recompared according to the relative subsequent weights, until either a pair of collating elements compare unequal or the weights are exhausted.

(8)   Easy reordering of characters. ISO/IEC 14651 has a template for collation specification that with just a few modifications can be culturally correct for a specific culture. Here the "reorder-after" keyword gives a convenient way to modify a FDCC-set template.

(9)   Easy reordering of sections. The template in ISO/IEC 14651 gives an ordering of the sections that may not be culturally acceptable in certain cultures. The keyword "reorder-section-after" gives a convenient way to modify the order of sections in a FDCC-set template.

The following keywords shall be recognized in a collation sequence definition. Some of them are described in detail in the following subclauses.

collating-element	Define a collating-element symbol representing a multicharacter collating element. This keyword is optional.
order_start	Define collation rules. This statement is followed by one or more collation order statements, assigning character collation values and collation weights to collating elements.

order_end	Specify the end of the collation-order statements.
reorder-after	Redefine collating rules. Specify after which collating element the redefinition of collation order shall take order. This statement is followed by one or more collation order statements, reassigning character collation values and collation weights to collating elements.
reorder-end	Specify the end of the "reorder-after" collating order statements.
reorder-section-after	Redefine the order of sections. This statement is followed by one or more section symbols, reassigning character collation values and collation weights to collating elements.
reorder-section-end	Specify the end of the "reorder-sections" section order statements.

E.1 Collation statements

The "order_start" and "replace-after" keywords shall be followed by collating statements. The syntax for a collating statement is

collating_statement = collating_identifier space weight ("," weight)*

Each <collating-identifier> shall consist of either a character, a <collating-element>, a <collating-symbol>, an ellipsis, or the special symbol "UNDEFINED". The weights for each of the collation elements determines the character collation sequence - such that each collation statement does not need to be in collation order, and weights could be rearranged via for example the "replace-after" keyword. No character has any specific predetermined placement in the collation sequence. The order in which collating elements are specified determines the character collation sequence, such that each collating element shall compare less than the elements following it.

A <collating-element> shall be used to specify multicharacter collating elements, and indicates that the character sequence specified via the <collating-element> is to be collated as a unit and in the relative order specified by its place.

A <collating-symbol> shall be used to define a position in the relative order for use in weights.

The symbolic ellipsises (".." or "....") specifies a sequence of collating statements. It shall be interpreted as indicating that all characters with symbolic names higher than the symbolic name of the character in the preceding line, and lower than the coded character set value for the character in the following line, shall be placed in the character collation order between the previous and the following character in ascending order.

The optional operands for each collation-element shall be used to define the primary, secondary, or subsequent weights for the collating element. The first operand specifies the relative primary weight, the second the relative secondary weight, and so on. Two or more collation-elements can be assigned the same weight; they belong to the same equivalence class if they have the same primary weight. Collation shall behave as if, for each weight level, "IGNORE"d elements are removed. Then each successive pair of elements shall be compared according to the relative weights for the elements. If the two strings compare equal, the process shall be repeated for the next weight level, untill all weight levels are exhausted.

Weights shall be expressed as characters (in any of the forms specified here), <collating-symbol>s, <collating-element>s, an ellipsis, or the special symbol "IGNORE". A single character, a <collating-symbol>, or a <collating-element> shall represent the relative order in the character collating sequence of the character or symbol, rather than the character or characters themselves.

One-to-many mapping is indicated by specifying two or more concatenated characters or symbolic names. Thus, if the character <ss> is given the string <s><s> as a weight, comparisons shall be performed as if all occurrences of the

character <ss> are replaced by <s><s>. If it is desirable to define <ss> and <s><s> as an equivalence class, then a collating-element must be defined for the string "ss".

The special keyword "IGNORE" as a weight shall indicate that when strings are compared using the weights at the level where "IGNORE" is specified, the collating element shall be ignored; i.e., as if the string did not contain the collating element. In regular expressions and pattern matching, all characters that are "IGNORE"d in their primary weight form an equivalence class.

A <comment_character> occurring where the delimiter ";" may occur, terminates the collating statement.

An empty operand shall be interpreted as the collating-element itself.

A symbolic ellipsis can be used as an operand if the collating-element was an ellipsis, and shall be interpreted as the value of each character defined by the ellipsis.

E.2 "collating-element" keyword

In addition to the collating elements in the character set, the collating-element keyword shall be used to define multicharacter collating elements. The syntax is:

  "collating-element" collating_symbol "from" string

The <collating-symbol> operand shall be a symbolic name, enclosed between angle brackets (< and >), and shall not duplicate any symbolic name in the current charmap or repertoiremap file (if any), or any other symbolic name defined in this collation definition. The string operand shall be a string of two or more characters that shall collate as an entity. A <collating-element> defined via this keyword is only defined within the LC_COLLATE category.

Note: The problem of comparing a fully composed character of ISO/IEC 10646 with a decomposed representation of the same text is normally handled by the two strings comparing equal up to level 3 (the case level), but distinguishing the two at the 4th level, if available.

E.3 "order_start" keyword

The "order_start" keyword shall precede collation order entries and also defines the number of weights for this collation sequence definition, the collation section name and other collation rules. The syntax is:

   "order_start" space {section_symbol ";"} sort_rules {";" sort_rules}*

The operands to the "order_start" keyword are optional. If present, the operands define rules to be applied when strings are compared. The first operand may be a <section-symbol> surrounded by "<" and ">" and the set of collating statements following the "order_start" keyword until the "order_end" keyword are identified with this <section_symbol> or another "order_start" keyword is encountered. The remaining number of operands define how many weights each element is assigned; if no operands are present, one forward operand is assumed. If present, the first operand defines rules to be applied when comparing strings using the first (primary) weight; the second when comparing strings using the second weight, and so on. Operands shall be separated by semicolons (;). Each operand shall consist of one or more collation directives, separated by commas (,). The following directives shall be supported:

forward   Specifies that the direction of scanning a part of a string at a given point in a string is done towards the logical end of the whole string for this weight level.

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backward   Specifies that the direction of scanning a part of a string at a given point in a string is done towards the logical beginning of the whole string for this weight level.

position   Specifies that comparison operations for the weight level will consider the relative position of non-"IGNORE"d elements in the strings. The string containing a non-"IGNORE"d element after the fewest IGNOREd collating elements from the start of the compare shall collate first. If both strings contain a non-"IGNORE"d character in the same relative position, the collating values assigned to the elements shall determine the ordering. In case of equality, subsequent non-IGNOREd characters shall be considered in the same manner.

The directives "forward" and "backward", and "backward" and "position", are mutually exclusive at a given level.

If no operands are specified, a single forward operand shall be assumed.

E.4   "order_end" keyword

The collating order entries shall be terminated with an "order_end" keyword.

E.5   "reorder-after" keyword

The "reorder-after" keyword shall be used to specify a modification to a copied collation specification of an existing FDCC-set. There can be more than one "reorder-after" statement in a collating specification. The syntax is:

"reorder-after" space collating_symbol

The <collating-symbol> operand shall be a symbolic name, enclosed between angle brackets, and shall be present in the source. The "reorder-after" statement is followed by one or more collation statements as described in the "Collating Order" clause (Annex.5).

Each collation statement reassigns character collation values and collation weights to collating elements existing in the copied collation specification, by removing the collating statement from the copied specification, and inserting the collating element in the collating sequence with the new collation weights after the preceding collating element of the "reorder-after" specification, the first collating element in the collation sequence being the <collating-symbol> specified on the "reorder-after" statement.

A "reorder-after" specification is terminated by another "reorder-after" specification or the "reorder-end" statement.

E.6   "reorder-end" keyword

The "reorder-end" keyword shall specify the end of a list of collating statements, initiated by the "reorder-after" keyword.

E.7   "reorder-sections-after" keyword

The "reorder-sections-after" keyword shall be used to specify a modification to a collation specification. The "reorder-sections-after" statement is followed by one or more statements consisting of section reordering statements.

E.8   section reordering statements

The section reordering statements rearranges the set of collating entries and changes sorting rules for the set of collating entries identified by a section symbol in a preceding "order_start" statement. Each section reorder statement has the syntax:

section_symbol space sort_rules { ";" sort_rules} *

The <section_symbol> identifies the set of collating entries.

The <sort_rules> are as described for the "order_start" keyword. Specified <sort_rules> replace the specification for the ordering of the section given on the "order_start" statement identified by the <section_symbol>. The <sort_rules> are optional and <sort_rules> not to be changed may be given by empty specifications.

The order of the section reordering statements rearranges the assignment of collation entries for the sets of collation entries identified by the <section-symbol>s to the order that the <section_symbols> occur after the "reorder-sections-after" statement.

The section reordering statements are terminated by a "reorder-sections-end" statement.

E.9 "reorder-sections-end" keyword

The "reorder-sections-end" keyword shall specify the end of a list of section symbols, initiated by the "reorder-sections-after" keyword.

Annex F – BIBLIOGRAPHY (informative)

The following standards and documents are considered relevant to this standard, in addition to the normative references.

CAN/CSA Z243.4.1-1998 – *Canadian Alphanumeric Ordering Standard – A National Standard of Canada*, Canadian Standards Association

CAN/CSA Z243.230-1998 – Minimum Canadian Software Localisation Conventions – A National Standard of Canada

DS 377 (1980) – DS 377:1980 *Alfabetiseringsregler* – Dansk Standard

ISO/IEC 646, *Information technology – ISO 7-bit coded character set for information interchange*

ISO/IEC 2022, *Information technology – Code extension techniques*

ISO/IEC 6937, *Information technology – Coded character sets for text communication*

ISO/IEC 8859-1, *Information technolog – 8-bit single-byte coded graphic character sets --
Part 1: Latin alphabet No. 1*

ISO/IEC 8859-1, *Information technology – 8-bit single-byte coded graphic character sets --
Part 15: Latin alphabet No. 9*

ISO/IEC 9945-2, *Information Technology – Portable Operating System Interface (POSIX) -
    Part 2: Shell and Utilities*
ISO/IEC 14652, *Information Technology -- Specification Method for Cultural Conventions* (FCD)

Règles du classement alphabétique en langue française et procédure informatisée pour le tri, Conseil du trésor du Québec – URL: http://www.tresor.gouv.qc.ca/doc/classm.htm

Retskrivningsordbogen – 2nd edition 1996, Dansk Sprognævn & Aschehoug Dansk Forlag A/S

Technique de réduction - Tris informatiques à quatre clés, Conseil du trésor du Québec –
URL: http://www.tresor.gouv.qc.ca/doc/techtri.htm

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