Universal Multiple-Octet Coded Character Set
International Organization for Standardization
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N5130 (L2/20-140, 2020-05-13) *Toward encoding Blissymbolics in Plane 1 of the UCS*
N5149 (L2/20-271, 2020-12-31) *On the keyboard inputting of Blissymbols*
N5171 (L2/22-003, 2022-01-19) *On radicals for lexicography in Blissymbols*

0. Summary. This proposal requests the encoding of 1463 characters for Blissymbolics. Of these, 2 are spaces, 2 are matrix characters used in lexicography and teaching materials about Blissymbolics, and 1425 are spacing characters, each of which may bear one of the remaining 34 characters, which are combining diacritical marks.

Contents.

1. Introduction. Blissymbolics, or Bliss, is a constructed language devised in the 1940s by Charles K. Bliss as a utopian, culture-independent world language which was intended for use as an international auxiliary language (like Volapük, Esperanto, Ido, and Interlingua) in order to help prevent misunderstanding.

Like other auxiliary languages, Charles Bliss's invention failed to attract a wide enough following to achieve his philosophical and social goals. Despite this, Blissymbols was unique in comparison with other utopian languages, in that it was not a *spoken* language, but a *visual* and *symbolic* language. Blissymbols is a genuinely ideographic language with a rich vocabulary. Just over 1400 base characters may be used by themselves or in combination with others to form words. Bliss has no phonology; or, to put it another way, the analogue to phonology in Bliss-words is found in the concepts its characters carry.

1.1. History of Bliss in AAC. In the early 1970s, a team at the Ontario Crippled Children's Centre in Toronto, Canada (now known as the Holland Bloorview Kids Rehabilitation Hospital) discovered that Blissymbols could be used as a medium of communication for children with cerebral palsy who could not speak—yet they could understand the speech of others and could learn to express their intentions, thoughts, dreams, opinions, feelings through Blissymbolics. The success achieved by these early users of Blissymbolics was replicated hundreds of times in the years that followed. By pointing (typically by hand or eye-gaze) to Blissymbols, they showed that they could both understand and initiate linguistic communication.

Bliss-users are bilingual in that they understand the local language of their family and carers (English, Dutch, Swedish, etc.) but their means of active expressive communication is via Blissymbols, whether on

a computer or on a printed "Bliss-board". Much has been learned through the past four decades regarding the contribution to literacy, language, and cognitive development through the use of Blissymbols by non-speaking children (McNaughton 2002). In the domain of Augmentative and Alternative Communication (AAC), Blissymbolics is respected as the first and most comprehensive AAC system to provide broad language capabilities to its users. Only in countries where support is given to the education of AAC users within the school system has it proven to be feasible for large numbers of non-speaking individuals to be trained in the twenty-first century.

The Blissymbol Vocabulary is constantly developing through the work of an International Panel composed of people from a number of countries working under the auspices of Blissymbolics Communication International (BCI) (**blissymbols.org**); Blissymbol Communication UK (BCUK) is the affiliate for the UK and Ireland (**blissymbols.co.uk**).

- In the 1970s the first Provisional Dictionaries were published (November 1975, July 1976, March 1978, April 1979.
- In the 1980s revised additions to the vocabulary were published (1984, 1988).
- 1990 a summary "New Blissymbols 1980–1990" was published using a new standardized bitmap font.
- 1992 ISO IR 169 "Codes for the Blissymbols Character Set" was published. This was a lexically-based encoding.
- 1992 the BCI Authorized Vocabulary was published in the *Blissymbol Reference Guide* containing 2,500 Blissymbols.
- 1999 the first Unicode proposal for Blissymbols was published (N1866).
- 2004 the *Blissymbol Reference Guide Supplement* added further 700 Blissymbols.
- 2004 The Fundamental Rules were published giving explicit information as to the creation of new Bliss-words, and an explanation of restrictions on the creation of new Bliss-characters with regard to the UCS.
- 2006 The Blissymbol Reference Guide Supplement added another 588 vocabulary items.
- Between 2007 and 2011 a further 1,160 vocabulary items have been added.
- Between 2012 and 2020 a further 1,200 vocabulary items have been added.
- This brings the current total of Blissymbol vocabulary items to almost 6,200 vocabulary items to 2022 and vocabulary development is ongoing.

1.2 Users of Blissymbolics. The users of Blissymbolics are typically non-speaking children and adults who cannot speak or sign as a result of their physical impairments—for example, some of those associated with cerebral palsy—or other communication disabilities.

Blissymbols is an established system that has been used successfully as a medium of communication over many years with people who have Severe Speech and Physical Impairments (SSPI) in over 33 countries (including Bangladesh, Belgium, Brazil, Canada, Denmark, Egypt, Finland, Germany, Hungary, Iceland, Ireland, Israel, Italy, the Netherlands, Norway, Poland, Russia, South Africa, Spain, Sweden, UAE, Ukraine, the United Kingdom, and the United States). Blissymbol materials have been translated into more than 15 languages. Blissymbolics is one of the first systems of Augmentative and Alternative Communication (AAC) ever devised, and remains one of the most powerful because of its linguistic (rather than purely pictographic) capabilities.

In the Nordic countries, use of Bliss is widespread: It has been reported to us that there are at least 400 Bliss-users in Sweden, for example. If we include parents, family members, spouses, teachers/tutors, therapists, and carers amongst the community who support and interact with each of those users, that would bring the "Bliss community" up to around 4,000 in that one country. The Headquarters and Chair of the international organization Blissymbolics Communication International (BCI), which was originally set up in Canada, are now located in Sweden (see §7 below).

In the UK, up to 10% of all children will have long-term, persistent Speech Language and Communication Needs, which equates to around 1.4 million children and young people under 20 in the UK (The Communications Trust, 2007). Statistics provided by a Scope survey (2007) indicate that between 0.4% and 1% of the UK population would benefit from some form of Augmentative and Alternative Communication, including 136,234 children and young people under 18, which is 11.35% of all children with communication impairments. The figures rise dramatically for those over 18 due to acquired conditions. More recent scoping work (DFE AAC Project (2012) shows that the number of people needing and using AAC has been rising steadily—partly because of higher survival rates and perhaps also because of an increasing awareness of what is possible using new approaches and modern digital technology.

Bliss promotes and supports imaginative thinking about words and their meanings, and allows a user to generate novel words and sentences. This kind of word-formation can be done on the fly, at need, outside of the formal process for vocabulary development. For example, a child who has been taught these generalized rules can create a new utterance. To make a verb, an Action Indicator can be added to a noun: ⊙ EYE + ☐̂ INDICATOR ACTION = ⊙̂ 'to look' or 'to see'; if a user wanted to make a verb meaning 'to speak using a computer or Voice Output Communication Aid', an Action Indicator could be used with ⏾ 'computer', thus: ⏾̂. To increase the basic vocabulary, for multiple-character Bliss-words, a character called the COMBINE MARKER can be used flanking a neologism, allowing Bliss speakers to manipulate language and create new words in a way they could not do with other graphic symbol systems; for example: ⁰λ⊛ᵇ⌐ 'IT technician' (from ⁰ COMBINE MARKER + λ MAN + ⊛ MACHINE + ᵇ DIGITS + ⌐ BREAK + ⁰ COMBINE MARKER; "the man who fixes the broken computer"). Other strategies for ad hoc communication are the use of ⥾ OPPOSITE and ⁼�2 SAME + SOUND 'sounds like': Compare ⥾⊛̂ 'to divorce' (⥾ OPPOSITE + ⊛̂ MARRIAGE + ☐̂ INDICATOR ACTION) and ⁼⁼2⚲ 'flour' ('similar' (⁼⁼ NEARNESS + ⁼ SAMENESS) + 2 SOUND + ⚲ FLOWER). Obviously the "sounds like" strategy is associated with the spoken language (or languages) used around a Bliss user.

2. Nomenclature. Because of the script's name, and because of its novel status as the world's first practical AAC solution, it was natural for promulgators of Blissymbols to describe it as being composed simply of "symbols", and speech and language therapists initially used that term to describe individual characters or the words made up of them. Following the feedback from the UTC and WG2 to the 1998 proposal, a revision of the rules behind Blissymbolics as an AAC solution was drafted and later approved by BCI. In large part it was a clarification of existing practice. In order to help acquaint BCI with the structural realities of Blissymbols in a character-based encoding, new terms were introduced.

The basic unit (and encoded character) is the ***Bliss-character***. Of the 1461 Bliss-characters to be encoded, 1427 of them are spacing; 34 of them are non-spacing combining characters used to indicate various grammatical functions and are therefore called ***Indicators***. A single Bliss-character may be a ***Bliss-word***, though most Bliss-words are made up of two or more Bliss-characters in sequence. Bliss-words are separated from each other by spaces, with or without punctuation. A subset of the 1423 spacing

Bliss-letters are considered to be the 30 Bliss-letters comprising the ***Bliss-alphabet***. All of the spacing characters are assigned to one of these 30 classes. Formerly there were 29, because in the BRG ∨ ANIMALS were scattered around according to other elements in the order but are now taken together. Within a Bliss-letter, one or more characters may be used as radicals in lexicography.

ʔ ♡ ♯ △ ʔ ↑ ⊗ ○ ○ ⌒) □ ▯ ⊓ ⌐ △ · ^ ⊥ ⊥ + △ ∧ ⋒ ↓ _ | / ╱ ?

A song by Shirley McNaughton is traditionally sung about the alphabet:

First take a WAVY LINE
    Then take a HEART
Add a little CROSS HATCH
    Make a little chart!

Next take a BUILDING
    To it, lend an EAR
Add an ARROW and a WHEEL, now
    Tell me what you hear!

WHEELS lead to CIRCLES
    LARGE then SMALL to start
Large HALF CIRCLES follow next, then
    Any other part .

Now move to all the SQUARES
    RECTANGLES come along
As you OPEN up each one, they
    Still look very strong!

Then RIGHT-angled TRIANGLES
    Followed with a DOT
Meet RIGHT ANGLES and LINES ON BASES, and
    Now what have you got?

Next come all the CROSSES, with
    ISOCELES TRIANGLES just beside
As we add the ACUTE ANGLES, I'm
    Ready to run away and hide, but

All we have remaining are some
    Shapes we use in signs, so
Let's add HORIZONTALS first, then
    All the other LINES .

Now add the pointer, and
    PUNCTUATION, please. We
Finish with our NUMBERS and our
    Well-known ABCs.

We've got a brand-new
    Alphabet!
Isn't it the greatest thing you've
    Ever met?

Sometimes the term ***Bliss-glyph*** is used to describe the shape of a Bliss-character. The terms "character", "word", and "glyph" may of course be used, but the longer forms have been found helpful to the user community. In part this is because they had used the word "symbol" for both Bliss-characters and Bliss-words for decades before character encoding became feasible. It should be noted that ***Blissymbols*** and ***Bliss*** are also synonymous, and the latter is normally used in common parlance, as it is throughout this document.

2.1. Transcription conventions. In this document, Bliss-characters are given with a short form of their proposed UCS name in SMALL CAPITAL letters (like ⊥ PERSON). Bliss-letters are given with TITLE-CASED SMALL CAPITALS (like ⊥ LINES ON A BASE). Glosses are given within 'single quotes' (like ⊥ 'person, human being, individual, human').

I have devised a way of transcribing a Bliss-word or sentence with the use the UCS character names, joined by hyphens, and one way of parsing a Bliss-word is to read its components from the end. Thus the Bliss-word ⌂⊬⋒ can be transcribed as product-brush-teeth, parsed as *teethbrushproduct*, and glossed as 'toothpaste'. See §6 below for more on naming conventions. Morphologically, in ⌂⊬⋒ the first element ⌂ 'chemical product' is the *classifier* (a kind of chemical product), and the subsequent characters are *specifiers* (a brush, itself a further specifier for teeth).

3. Encoding models. On 1993-01-21 Blissymbols were registered under ISO/IEC 2375 as ISO-IR 169 "Codes for the Blissymbol Graphic Character Set". This was a lexically based character set of 2,304 items, using the escape sequences evidently for interchange in an ISO-2022-style protocol. The encoding of Bliss according to lexical entries did not treat Bliss as a language, but rather as a set of semantic tokens. ISO-IR 196 entry 33/75 ⊙̂, identified as "BLISSYMBOL TO SEE SYMBOL (to look)" gives a verbal sense to the ISO-IR 169 entry 23/21 ⊙ "BLISSYMBOL EYE SYMBOL", but there was no apparent mechanism to apply any of the *other* verbal tense or mood modifiers (called "indicators" in Row 3 of the encoding

registration), so it is unclear how concepts like "saw", "did see", "would have seen" and so on would have been represented in this encoding.

It is not clear whether much use was made of the ISO-IR 169 character set, but it formed the basis for what BCI designates as its "Authorized Vocabulary" (AV). This vocabulary—comprised (in UCS terms) of sequences of Bliss-characters or individual Bliss-characters—is developed according to a consensus process where various proposals are reviewed, accepted, rejected, or refined.

BCI is recognized by the AAC community as the authoritative source for *a carefully curated vocabulary for Bliss* as implemented in a variety of devices and protocols aimed at such users. (In terms of the proposed UCS encoding, obviously anyone can use Bliss characters in any way they like, but BCI's AV gives spellings of words which have been vetted for suitability for the primary user community. Obviously BCI has no control over general "conlang" usage of Bliss.) The BCI AV is a large database where each individual Bliss-character and Bliss-word is given a unique identifier; like ISO-IR 169 it typically gives only verbal infinitives. (The BCI AV also includes entries for older and deprecated or superceded spellings or glyphs, which are explicitly expected to be supported for legacy compatibility with the specification.) In a UCS-encoded lexicon any verbal indicator can be replaced by any other; the BCI AV does not, and need not, enumerate each form (at least at present), although spell-checkers and automatic translation engines may well be more comprehensive with regard to the implied possibilities.

In 1998, when Bliss was analysed for encoding in the Universal Character Set, a character-based model, containing a large number of spacing characters and a small number of grammatical modifiers was chosen. The Bliss-word ⌂⊔〜 (product-brush-teeth) *teethbrushproduct* 'toothpaste' is composed of three separate characters. Although this was encoded lexically in ISO-IR 169 (37/61, BCI AV 17757), a character-based encoding is quite obviously more suitable for the UCS. On 1999-09-10 a character-based proposal was published as ISO/IEC JTC1/SC2/WG2 N1866 (L2/98-364). This proposal contained 868 spacing characters and 19 combining characters. The present proposal comprises 1425 spacing characters and 34 combining characters).

4. Appearance and structure. The glyphs of Blissymbolics are comprised of a variety of simple geometric shapes in various sizes, orientations, and combinations. Their simplicity makes them easy to recognize, and the combination of various elements either in a single character or in a multi-character word makes it relatively easy to teach.

A heart-shape ♡ means FEELING; the arrows ↑ UP and ↓ DOWN can be combined with it in sequence for ♡↑ 'happy' and ♡↓ 'sad'. An ENCLOSURE ⸰ open on one side ⊐ represents a ROOM. A room followed by UP AND DOWN ⊐↑↓ is the word for 'lift, elevator'. Many atomic characters combine such elements by touching or overlapping: ⊡ SHOWER is made of ⊐ ROOM, ↓ DOWN and 〜 WATER, and if there were no existing character ⊡, then ⊐↓〜 might be devised as a Bliss-word for it.

Grammar is expressed in a variety of ways. In general a Germanic SVO syntax is used, with prepositions being used to indicate their usual functions. Some aspects of grammar are expressed by combining diacritical marks used atop one of the characters in a word. Nominal grammatical categories expressed by these diacritics are plurality, *definiteness*, and *concreteness*, the last of which denoting a more physical usage of the character; compare ♡ 'feeling' and ♡̊ 'heart', or ⊢⊢ 'measurement' and ⊢⊢̊ 'ruler'. Diacritical marks also represent a variety of verbal categories (tenses and moods) and adjectival categories (including adverbial and participial indicators).

4.1. Glyph requirements. Unlike most scripts in the UCS, constraints upon the allowable shapes for Blissymbols are quite strict. (Other scripts or repertoires with glyph restrictions include SignWriting, Box-drawing characters, Western Musical Symbols, Zapf Dingbats, and so on.) The thickness of the horizontal and vertical lines determine the size of the *matrix square* and the grid within it to which glyph elements align within it. A formal description of this is given in the Fundamental Rules; it is always relevant when Bliss-characters are being drawn by hand or with the stencil template (see Figure 1), and it naturally informs font design. The text in §4.2 and §4.3 has been adapted from the text in the *Fundamental Rules of Blissymbolics* (Blissymbolics Communication International 2009).

4.2. The matrix square.
The matrix for drawing a Blissymbol is a square.
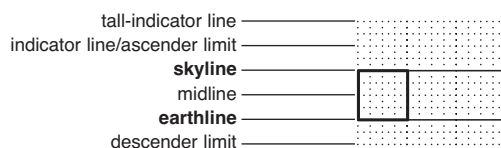
4.2.1. Skyline, earthline, and midline. The top of the matrix square defines the skyline. The base of the matrix square defines the earthline. The midline is midway between the two. These lines are used as the reference points for measurement when positioning Bliss-characters to form words and sentences. Most Blissymbolics glyphs are positioned between the skyline and the earthline.

4.2.2 Subdivisions of the matrix square. The matrix square is subdivided into quarters, vertically and horizontally. In the vertical dimension the glyph of a Bliss-character extends no more than ½ of a matrix square above the skyline, and no more than ½ of a matrix square below the earthline. In the horizontal dimension the glyph of any individual Bliss-character should not be more than three matrix squares wide. Compare the examples below with the diagram in clause [4.2]. Pineapple reaches the ascender limit, onion the descender limit. Valley is three matrix squares wide.
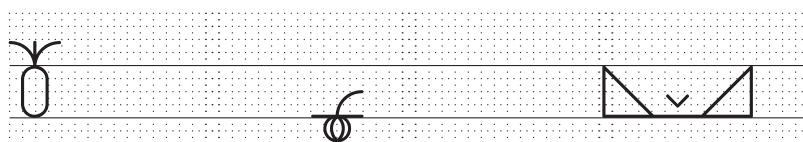
PINEAPPLE   ONION   VALLEY

4.3 Blissymbol indicators. Bliss-characters are used together with a set of combining diacritical marks (*indicators*) which modify the meaning of a word with (broadly speaking) nominal, verbal, and adjectival semantics. For the purposes of simplicity, only one indicator is permitted atop any given Bliss-character, and to put more than one indicator atop a Bliss-character is to make an explicit spelling error. Some indicators have more than one graphic element in them, but these are explicitly encoded according to their semantics for simplicity. An example can be found in the nominal indicators.

 167DC   BLISSYMBOL INDICATOR PLURAL

 167DD   BLISSYMBOL INDICATOR DEFINITE PLURAL

 167DE   BLISSYMBOL INDICATOR DEFINITE

 167DF   BLISSYMBOL INDICATOR THING

167E0	BLISSYMBOL INDICATOR PLURAL THING		
167E1	BLISSYMBOL INDICATOR DEFINITE PLURAL THING		
167E2	BLISSYMBOL INDICATOR DEFINITE THING		

Examples of these in use:

FEELING	16233			16233 + 167DF	'heart'
'feelings'	16233 + 167DC			16233 + 167E0	'hearts'
'the feeling'	16233 + 167DE			16233 + 167E2	'the heart'
'the feelings'	16233 + 167DD			16233 + 167E1	'the hearts'

These are the only permitted nominal indicators. They cannot be combined with verbal or adjectival indicators, and the relative order of the glyph elements is fixed—this is essential due to differences in visual acuity and cognitive ability in members of the user community. The glyphs of the indicators are "precomposed" for simplicity in processing. Since any one of the 34 indicators can combine with any one of the 1424 base characters, and since accurate glyph positioning is required (see §3 below), centring combining characters over wide and narrow characters is best done in the font by keeping to a "one-base one-indicator" encoding model. It would be confusing to users to have to compose ♡ 'the hearts' with four characters. Moreover, if ⬚ were decomposed, it might lead some people to try to combine nominal indicators with adjectival or verbal indicators; since indicators express semantic categories, not graphic ones, mixing them up does not lead to meaningful Bliss-words. The encoding model proposed is the simplest, and has been implemented in a working prototype used in this document.

Thus the encoding model for Blissymbol diacritical marks is analogous to that of the various acute accents encoded for medieval and modern European languages:

◌́ U+0301 COMBINING ACUTE ACCENT   ◌̋ U+030B COMBINING DOUBLE ACUTE ACCENT

◌̎ U+1ABF COMBINING TRIPLE ACUTE ACCENT.

<div align="center">
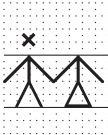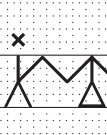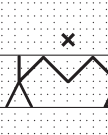
á a̋ a̎ é e̋ e̎ ó ő ő̋

</div>

4.3.1. General placement of indicators. Indicators are located ¼ of the matrix square above the skyline (that is, hanging from the indicator line shown in § 4.2 above). Typically indicators centre over their base-character.
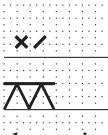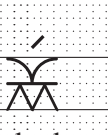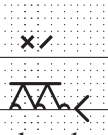
4.3.1.1. Vertical placement of indicators. In most cases in which the glyph of a Bliss-character extends above the skyline, indicators are located ¼ of the matrix square above the ascender limit line (that is, hanging from the tall-indicator line). Example:

<div align="center">

the pineapples (*pl.*)   to forgive (*vb.*)   divine (*adj.*)

1641F + 167DC   16389 + 167E3   1660D + 167F4

</div>

4.3.1.2. Horizontal placement of indicators. Typically indicators centre over their base-character, but there are exceptions related to the aesthetics of typographic visual positioning, or to semantics. For instance, the plurals of characters associated with family relationships have the INDICATOR PLURAL atop the first element because it is that person who is being counted. Where the character refers to the whole group, the indicator is centred.

maternal grandfathers	maternal stepfathers	extended families
(FATHER OF MOTHER)	(MALE PARTNER OF MOTHER)	(MAN-WOMAN FAMILY GROUP)
16576 + 167DC	166E5 + 167DC	166F6 + 167DC

Indicators are usually centred above the glyph of a Bliss-character, but the convention for this was developed not entirely mathematically. Indicators centred over ⊼ ANIMAL centre in the same way for characters based on that character:

the animals	the bat	the claws	the pigs	to ride
16634	16645	16644	1663D	1664E
+ 167DD	+ 167DE	+ 167DD	+ 167DD	+ 167E3

A draft specification of the attachment points for every Bliss-character has been made and is being verified. Perhaps such a specification should be the subject of a UTN.

4.4. Use of spaces. Spacing was precisely defined in Blissymbolics when first developed for use in AAC, and the rules for spacing in a text-based encoding are relatively straightforward. Within a multi-character Bliss-word, each Bliss-character is separated from the next by a space the width of one quarter of the matrix square. In order to avoid an obligation to type a quarter-space between every character in a Bliss-word (which would break up Bliss-words for word-selection), it is mandated that the quarter-space be incorporated on the right side-bearing of each spacing character, with the left side-bearing defined as zero. Between two Bliss-words, a space the width of a full matrix square is used, and the character U+167DA BLISSYMBOL WORDSPACE is to be used between Bliss-words. Where punctuation occurs before or after a Bliss-word, U+167DB BLISSYMBOL NO-BREAK PUNCTUATION SPACE is used, because a half-space is used between the punctuation mark and the Bliss-character that precedes or follows. it. (Where a punctuation mark occurs adjacent to another punctuation mark, the nob is used between them as well.)

4.5. Pointers. A number of characters are distinguished with the use of arrowhead-shaped pointers used to draw attention to a particular part of a glyph. There are large and small pointers. Pointers cannot combine with predictable or specifiable results, so characters with them are encoded atomically.

5. Repertoire. The repertoire of characters used in Blissymbolics has changed since its inception. Not all of Charles Bliss' original characters were judged (in the 1970s and later) suitable for the AAC user

community, for instance, and in the half-century since Bliss began to be used for AAC purposes, many new characters have been devised.

5.1 Classes of characters within the repertoire. This proposal specifies the addition of 1463 characters. Of these, the following types of classification apply; percentages are rounded up:

- 1425 out of 1463 are spacing characters (97%)
- 34 out of 1463 are non-spacing diacritical marks (2%)
- 30 out of 1463 are used as defining characters of the Bliss-alphabet (2%)
- 2 out of 1463 are used as reference characters in lexicography (0.1%)
- 2 out of 1463 are spaces (0.1%)
- 228 out of 1463 are used as radicals in lexicography (16%)
    - 150 out of 228 are used as meaningful characters as well as radicals in lexicography (10% of 1463, 66% of 228)
    - 78 out of 228 are used as only as radicals in lexicography (5% of 1463, 34% of 228)
    - 8 out of 78 are used as as radicals only in the 1982 *Bliss Reference Guide* (0.5% of 1463, 4% of 228, 10% of 78)

6. Character names. The BCI AV (Authorized Vocabulary) is a database with a number of fields which essentially translate Bliss into other languages. The English-language translation has unofficial status as "primary" as the working language of BCI is English, but translations of the AV names for Bliss-words and Bliss-characters are available in Swedish, Norwegian, Finnish, Hungarian, German, Dutch, Afrikaans, Russian, Latvian, Polish, French, Spanish, Portuguese, Italian, Danish, and there is a Hebrew BRG though those terms are not currently in the AV.

UCS character names for Blissymbols make use of the string BLISSYMBOL followed by a word which expresses the essential meaning of the character. For the spacing characters, no additional term like LETTER or CHARACTER or SYMBOL is given because there is little to recommend *BLISSYMBOL LETTER FIRE, *BLISSYMBOL CHARACTER FIRE, or *BLISSYMBOL SYMBOL FIRE, since BLISSYMBOL FIRE says the same thing. The combining diacritical marks are preceded by BLISSYMBOL INDICATOR, since those are a distinctive class of characters in the repertoire.

The names for most of the characters are taken pretty much directly from the AV. Because the AV often has a variety of synonyms in its glosses, it can be seen that the UCS names will be useful for linguistic analysis of Bliss text. Some decades ago, Blissymbols was used in Canadian legal proceedings regarding a non-speaking child. I devised a morphemic analysis of Bliss based on the names proposed here, and found that brevity was most useful. The morphemic transcription is the sort of thing that would help give court or medical officials confidence in case of doubt about what a Bliss-speaking person had said. Of course a UCS encoding of Blissymbols is necessary.

Here follows an example text—a translation of my own—given first in Blissymbols, then in morphemic transcription. After this Lewis Carroll's original text is given, and then my literal back-translation of the Bliss text into English. Abbreviations for grammar used in the morphemic analysis are given in SMALL CAPS. Since this will be normal for glossing Bliss I give the full set of these abbreviations before the example.

6.1 Glossing abbreviations used for Blissymbol indicators

ADJ *adjective* □ INDICATOR DESCRIPTION

ADJ.RES *resultative* □ INDICATOR DESCRIPTION AFTER THE FACT[1]

ADJ.VB *adverb* □ INDICATOR DESCRIPTION OF ACTION[2]

COND *conditional* □ INDICATOR CONDITIONAL

COND.FUT *future conditional* □ INDICATOR FUTURE CONDITIONAL[3]

COND.PST *past conditional* □ INDICATOR PAST CONDITIONAL[4]

CON *concrete* □ INDICATOR THING[5]

CON.DEF *definite concrete* □ INDICATOR DEFINITE THING[6]

CON.PL *plural concrete* □ INDICATOR PLURAL THING[7]

DEF *definite* □ INDICATOR DEFINITE

FUT *future* □ INDICATOR FUTURE

PASS *passive* □ INDICATOR PASSIVE

PASS.PST *past passive* □ INDICATOR PAST PASSIVE[8]

PASS.PST.ADJ *past passive participle* □ INDICATOR DESCRIPTION PAST PASSIVE PARTICIPLE[9]

PL *plural* □ INDICATOR PLURAL

PL.DEF *definite plural* □ INDICATOR DEFINITE PLURAL[10]

POT.ADJ *potential* □ INDICATOR DESCRIPTION BEFORE THE FACT[11]

PRS *present* □ INDICATOR PRESENT

PST *past* □ INDICATOR PAST

PST.ADJ *past participle* □ INDICATOR DESCRIPTION PAST PARTICIPLE[12]

VB *verb* □ INDICATOR ACTION

6.2 Glossing abbreviations used for spacing Blissymbol characters

AUG *augmentative* ˙ INTENSITY[13]

CNJ conjunction ⊣ CONJUNCTION THAT

GEN *genitive* ₊ BELONGS TO

IMP *imperative* ˙ INTENSITY[14]

INT *interrogative* ⌑ QUESTION[15]

---

[1] The Leipzig Rules use RES for "resultative"; here both elements of the glyph □ are named.

[2] The Leipzig Rules use ADV for "adverb(ial)"; here both elements of the glyph □ are named.

[3] The Leipzig Rules do not compound FUT and COND; here both elements of the glyph □ are named.

[4] The Leipzig Rules do not compound PST and COND; here both elements of the glyph □ are named.

[5] Although CON is listed for "concrete" in the Wikipedia's "List of glossing abbreviations", no source is given as of this date. Nevertheless it is a suitable abbrevation for □ INDICATOR THING.

[6] Here both elements of the glyph □ are named.

[7] Here both elements of the glyph □ are named.

[8] The Leipzig Rules do not compound PASS and PST; here both elements of the glyph □ are named.

[9] The Leipzig Rules use PTCP for "participle"; in the "List of glossing abbreviations" PPP is used for "past passive participle"; here all three elements of the glyph □ are named.

[10] The Leipzig Rules do not compound PL and DEF; here both elements of the glyph □ are named.

[11] The "List of glossing abbreviations" gives POT as used for the potential mood, and POSB for "possible, modal possibility"; both are verbal categories. In Bliss however the INDICATOR DESCRIPTION BEFORE THE FACT is an adjectival marker indicating "doability'; I prefer POT to POSB. Here both elements of the glyph □ are named.

[12] Here both elements of the glyph □ are named.

[13] The "List of glossing abbreviations" gives AUG as used for "augmentative". Bliss-character ˙ INTENSITY is used with its usual meaning "to heighten the meaning of an existing symbol" (McNaughton 1985:46).

[14] The Leipzig Rules use IMP for "imperative"; When ˙ INTENSITY is used as a single character separated by a full space before a verb, it indicates that what follows is an imperative (McNaughton 1985:56–57).

[15] The Leipzig Rules use Q for "question particle/marker"; in the "List of glossing abbreviations" INT is used for "interrogative". I prefer INT because it is more distinctive. When the noun ⌑ QUESTION is used as a single character separated by a full space before a verb, it indicates that what follows is an imperative (McNaughton 1985:54–55).

6.3 Text from "A Mad Tea-Party"

[constructed script text]

"You ability-COND plus mouth-VB," addition-PST Animal-DEF-Teeth-Sleep, RELZ state.of.mind-PST-what mouth-VB in 3sg-GEN sleep, "CNJ 'I nose-PRS-mouth RELZ I sleep-PRS' being-PRS sameness-ADJ thing-DEF nearness-sameness 'I sleep-PRS RELZ I nose-PRS-mouth'!"

"It being-PRS sameness-ADJ thing-DEF with you!" mouth-PST Man-DEF-Making-Protection-Head, plus here mouth-DEF-back.and.forth end-PST, plus much-person-DEF seat-PST minus-sound-ADJ.VB 1 time-minute, during Bliss.name-Girl-Wish-Knowledge reflected-PST about all RELZ she memory-COND.PST about bird-PL-colour-night-largeness plus table-PL-writing, plus that minus-AUG being-PST much.

"You might just as well say," added the Dormouse, which seemed to be talking in its sleep, "that 'I breathe when I sleep' is the same thing as 'I sleep when I breathe'!"

"It *is* the same thing with you," said the Hatter, and here the conversation dropped, and the party sat silent for a minute, while Alice thought over all she could remember about ravens and writing-desks, which wasn't much.

"You could also say," added the Dormouse, which seemed to talk in its sleep, "that 'I breathe when I sleep' is the same thing as 'I sleep when I breathe'!"

"It *is* the same thing with you," said the Hat-Maker, and here the conversation stopped, and the group sat silently[42] for a minute, while Curious-Girl reflected about all that she could re-member about ravens and writing-desks, and that was not much.

42   Here a predictable neologism [glyph] *minus-sound-ADJ.VB* 'silently' is used.

7. International Alphanumeric Characters. At the end of the Bliss alphabet in the BRG a section called "International Alphanumeric Characters". In this proposal that section is divided into 11 subsets. A great many Bliss-characters have analogues to other characters encoded in the UCS—a fair few of these being emojis or Egyptian hieroglyphs, a good number being arrows in various orientations. Rather obviously, it would be inappropriate to unify U+16639 🐗 BLISSYMBOL HIPPOPOTAMUS with U+130EF 🐗 EGYPTIAN HIEROGLYPH E025 or with U+1F99B 🦛 HIPPOPOTAMUS. By the same token, it would not be appropriate to unify the "ASCII clones" used in Bliss because of the constraints put on glyphs and spacing of basic punctuation and digits with regard to other Bliss-characters. Some comments on the characters in these sections may be of interest.

7.1. Mark-like Blissymbols. All of these have superficial resemblances to some other characters, like PRIME and DOUBLE PRIME which inspired MINUTE and SECOND, and WHAT and INTENSITY which clearly look like QUESTION MARK and EXCLAMATION MARK.

7.2. Punctuation. Since the spacing of punctuation is very strictly defined, unification with ASCII characters would not be appropriate. Note that BLISSYMBOL COMMA can be used word-internally:

envy   yoghurt   apology
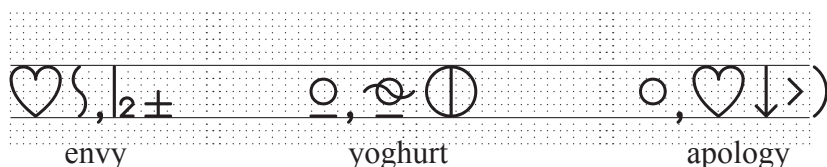
7.3. Currencies. These characters are not just "signs" but rather the concepts themselves. They can be pluralized, appear within words, and so on, like any other character.

7.4 Alphabets. The characters at U+1676F..16777 are unitary characters representing the writing systems themselves. When marked with verbal indicators, they are used with the sense of "spelling". Ordinary letters belonging to other alphabets are also used with Bliss. It is of course possible to draw these characters using the template, however; indeed the Hebrew Bliss dictionary (MSBI 1982) presented the entire Hebrew alphabet drawn in accordance with template. These scripts are not cloned in Bliss, because their characters never occur within Bliss-words. (They may occur at the ends of words, in personal names— —but they are not themselves Bliss-characters.)

7.5. Numbers. These exist productively in Bliss-words and can bear verbal and adjectival indicators.

unit, example   first, primary   previous   next   pair
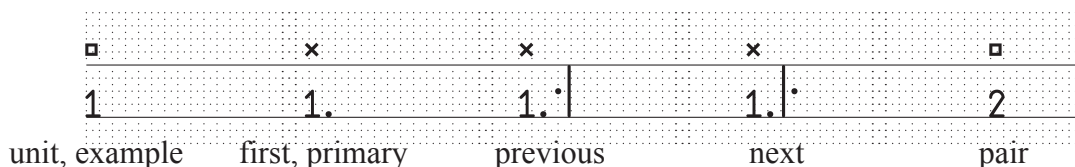
7.5.1. Index numbers. Bliss makes use of digits in two sizes. Ordinary digits are half-size, and a set of quarter-sized "index digits" exists alongside them:
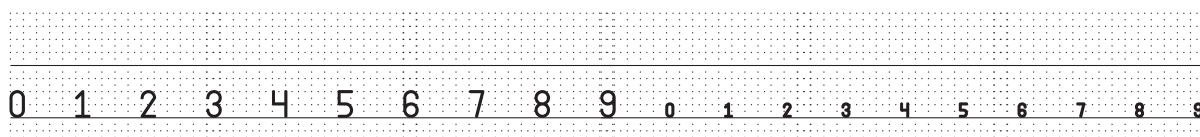
The quarter-sized "index digits" exist in order to express the distinctions made in various natural languages with regard to the names of the days of the week, since the week begins on different days in different cultures. Charles Bliss' original scheme for weekday names was based on the week beginning on Sunday, so Monday was ◯2 DAY TWO, Thursday was ◯4 DAY FOUR. This proved inconvenient for some countries in which Bliss is used, however, as for instance Iceland begins its week on Monday, so for them Thursday is ◯5 DAY FIVE. To manage the inconsistency of using three different day numbering schemes, the index numbers have been added to bring the schemes together via the index numbers always referring to ISO 8601, which specifies day numbering. When the day and index numbers are identical we know that the ISO standard is used:

◯1₁ Monday, ◯2₂ Tuesday, ◯3₃ Wednesday, ◯4₄ Thursday, ◯5₅ Friday, ◯6₆ Saturday, ◯7₇ Sunday.

When the day and index numbers differ, we know that one of the other day numbering practices is used, and we can find out which one by looking at the index number:

◯2₁ Monday, ◯3₂ Tuesday, ◯4₃ Wednesday, ◯5₄ Thursday, ◯6₅ Friday, ◯7₆ Saturday, ◯1₇ Sunday.
◯3₁ Monday, ◯4₂ Tuesday, ◯5₃ Wednesday, ◯6₄ Thursday, ◯7₅ Friday, ◯1₆ Saturday, ◯2₇ Sunday.

Personal pronouns are sequences of characters; a few characters are precomposed with an inherent 1 or 2 which is intermediate in size between the numbers and the index numbers:

responsibility	selfishness	thoughtfulness	maternal aunt	self	other	2	index 2
1638C	163BB	163BC	16543	166C8	166C9	167D2	167C8

8. Linebreaking. Line breaks do not occur in the middle of a Bliss-word. Line breaks do not occur after the NO-BREAK PUNCTUATION SPACE used adjacent to punctuation. Line breaks can occur after the WORDSPACE used between words.

9. Collating order. The principles used to organize Bliss characters in terms of their sorting order are somewhat complex, and has been used to organize the characters in the code chart. The chart order is correct for the majority of the characters though I recommend we have some discussion about the best treatment of the punctuation, since it is "glued" to its associated word with the BLISSYMBOL NO-BREAK PUNCTUATION SPACE. Indicators are combining characters and are ignored at the first level of sorting.

There is a set of relatively exhaustive rules about determining where a character can be found in the lexicon. These informed the order of characters in the code charts, and are used to teach users (both non-speaking people and their families and carers who use Bliss).
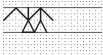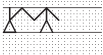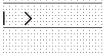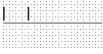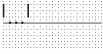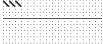
10. Variation Selectors. In the past 50 years of language development and planning, a number of glyphs have been changed. The *Blissymbol Reference Guide Supplement* (BR1 2004:1) specifies that old glyphs must be supported for users who prefer them: "The original forms will remain in the BCI Authorized Vocabulary and can be retained by Bliss users if they so choose". Some users of Blissymbolics have

cognitive impairment which makes adjustment to change difficult. In addition, older texts (including dictionaries and teaching materials) containing the old glyphs need to be supported. It has been determined that the best way to achieve this will be through the use of variation selectors. The following is a selection of most of the characters affected in this way
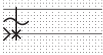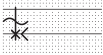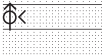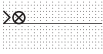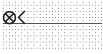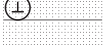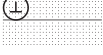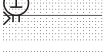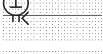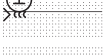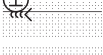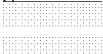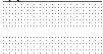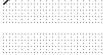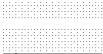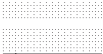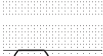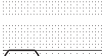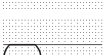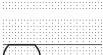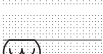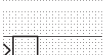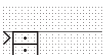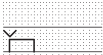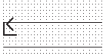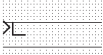
The advantage of using variation selectors for this is that the underlying encoding of the character will remain the same. BCI agreed that it would not be optimal to encode unique characters for old glyphs, but because BCI guarantees support for them a standardized mechanism for supporting them is required.

10.1. Bliss-characters with glyph changes. This list may not be exhaustive, but a final one will be provided in the revised proposal.

Old glyph   *New glyph*

fibre (= 16229 + FE00)   FIBRE (= 16229)

cart   CART   *longer arrow as in ▭→ PUSH*

development   DEVELOPMENT   *shortened arrow*

to forget   FORGETTING   *shortened arrow*

to guide   GUIDANCE   *shortened arrow. Bliss-words affected: 4*

to take, to bring   PORTABILITY   *shortened arrow*

projector   PROJECTOR   *shortened arrow*

push   PUSH   *longer arrow paired with →▭ PULL*

sailboat   SAILBOAT

organ   ORGAN

sail   SAIL

hedgehog   HEDGEHOG

spiny hair   SPINY HAIR

limitation   LIMITATION

fatness   THICKNESS

wife   FEMALE PARTNER

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stepmother		FEMALE PARTNER OF FATHER	
away		AT A DISTANCE	
farness		REMOTENESS	
quill		QUILL	

10.2. Bliss-characters with glyph changes involving pointers.

10.2. Bliss-characters with glyph changes involving pointers. Here the "old" form typically had the pointer on the left but for these they were shifted to the right.

snowflake		SNOWFLAKE	
bubble		BUBBLE	
tyre		TYRE	
head hair		HEAD HAIR	
neck		NECK	
beard		BEARD	
pimple		PIMPLE	
stem		STEM	
horizon		HORIZON	
branch		BRANCH	
trunk		TRUNK	
side of body		SIDE OF BODY	
pubic hair		PUBIC HAIR	
breast(s)		BREASTS	
side		SIDE	
drawer		DRAWER	
edge		EDGE	
wrist		WRIST	

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	muscle		MUSCLE *pointer removed*
	erection		ERECTION *pointer removed*
	fur		FUR
	eyebrow		EYEBROW
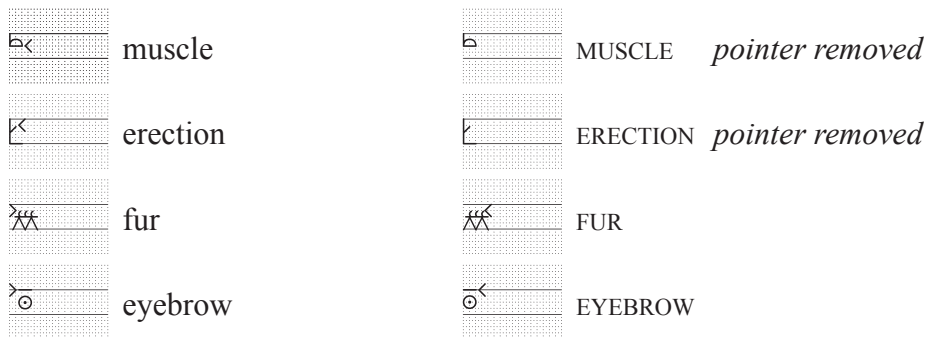
11. Blissymbols in an RTL environment. When Bliss was introduced to Israel in the early 1980s, it was felt natural to write Bliss with RTL directionality. Directional overrides effectuate the reversal for Bliss as they do for other scripts. In general this simply involves a reversal of direction: the backing store is the same.
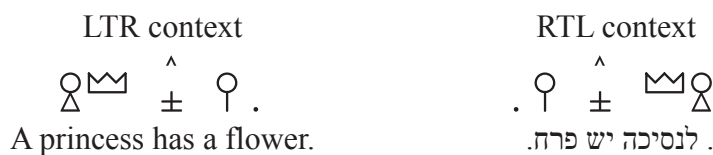
LTR context	RTL context
A princess has a flower.	. לַנְסִיכָה יֵשׁ פֶּרַח

Backing store:

girl	crown	WSP	having	VB	WSP	flower	PSP	fullstop
16330	164EE	167DA	165F5	167E3	167DA	16333	167DB	16752

But for about a third of the Bliss-characters, the glyph is changed when the directionality is changed.

LTR context	RTL context
A dog bites a cat.	. בֶּלֶב נוֹשֵׁךְ חָתוּל

Backing store:

girl	crown	WSP	having	VB	WSP	flower	PSP	fullstop
16330	164EE	167DA	165F5	167E3	167DA	16333	167DB	16752

In Egyptian Hieroglyphs one reads into the faces of animals, but in Blissymbols animals and vehicles and the like follow the direction of the sentence. Reversing a glyph is not just a simple reversal. Certain elements are not reversed. For example ⌣ WATER is not reversed in this context. (There is a radical ⌢ REVERSED WATER but it does not mean 'water'.) In U+16639 BLISSYMBOL HIPPOPOTAMUS, for instance, the horse part is reversed, but not the water:

LTR context	RTL context	
hippopotamus	סוּס הַיְאוֹר	not *

Since Bliss-glyphs in a font have an inherent quarter space on the right side of the glyph, that space needs to be moved to the left side when RTL directionality is in force. Furthermore, the glyphs of about 30% of the repertoire of spacing characters are reversed when displayed with RTL directionality. (This is somewhat analogous to the treatment of glyphs in Egyptian.) In addition, when a glyph is reversed under

RTL directionality, not all of its constituent parts are reversed with it. A listing of the glyph reversals is given in Appendix 4 below.

11.1. Mirroring. Strictly speaking perhaps every character can be considered to be mirroring when in RTL directionality, because the inherent quarter-space on the right hand side of the LTR glyph shifts to the left-hand side of the LTR glyph. That is a font-wide distinction, however, while the kind of reversal described above affects the ink of glyphs specifically.

11.2. Numbers in a Right-To-Left environment. Consultation with Roozbeh Pournader suggests that with ON given to the spacing Bliss-characters, and EN given to the numbers, directional behaviour in Israeli (and Arabic) contexts will be as expected, since sequences of EN characters stick together as LTR. In this scenario this would support these:

century (LTR)　　　　　　　　　　　century (RTL)
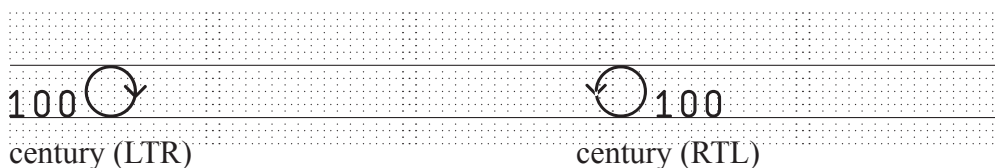
Backing store:

$$167D1 + 167D0 + 167D0 + 162AA \; (= 1 + 0 + 0 + \text{year})$$

12. Unicode Character Properties. The character properties given for at least some of the spacing characters will have to be updated to change the mirroring property changed from N to Y. (See § 11.1.)

```
16200;BLISSYMBOL FIRE ON SKYLINE;Lo;0;ON;;;;;N;;;;;
16201;BLISSYMBOL FIRE;Lo;0;ON;;;;;N;;;;;
16202;BLISSYMBOL HEAT;Lo;0;ON;;;;;N;;;;;
..
1674F;BLISSYMBOL WHAT;Lo;0;ON;;;;;N;;;;;
16750;BLISSYMBOL WHERE;Lo;0;ON;;;;;N;;;;;
16751;BLISSYMBOL INTENSITY;Lo;0;ON;;;;;N;;;;;

16752;BLISSYMBOL FULL STOP;Lo;0;ON;;;;;N;;;;;
16753;BLISSYMBOL COMMA;Lo;0;ON;;;;;N;;;;;
16754;BLISSYMBOL COLON;Lo;0;ON;;;;;N;;;;;
16755;BLISSYMBOL SEMICOLON;Lo;0;ON;;;;;N;;;;;
16756;BLISSYMBOL QUESTION MARK;Lo;0;ON;;;;;N;;;;;
16757;BLISSYMBOL EXCLAMATION MARK;Lo;0;ON;;;;;N;;;;;

16758;BLISSYMBOL SINGLE HIGH-6 QUOTATION MARK;Pi;0;ON;;;;;N;;;;;
16759;BLISSYMBOL SINGLE HIGH-9 QUOTATION MARK;Pf;0;ON;;;;;N;;;;;
1675A;BLISSYMBOL SINGLE LOW-9 QUOTATION MARK;Ps;0;ON;;;;;N;;;;;
1675B;BLISSYMBOL DOUBLE HIGH-6 QUOTATION MARK;Pi;0;ON;;;;;N;;;;;
1675C;BLISSYMBOL DOUBLE HIGH-9 QUOTATION MARK;Pf;0;ON;;;;;N;;;;;
1675D;BLISSYMBOL DOUBLE LOW-9 QUOTATION MARK;Ps;0;ON;;;;;N;;;;;
1675E;BLISSYMBOL LEFTWARDS GUILLEMET;Pi;0;ON;;;;;Y;;;;;
1675F;BLISSYMBOL RIGHTWARDS GUILLEMET;Pf;0;ON;;;;;Y;;;;;
16760;BLISSYMBOL COMBINE MARKER;Lo;0;ON;;;;;N;;;;;
16761;BLISSYMBOL OPENING PARENTHESIS;Ps;0;ON;;;;;Y;;;;;
16762;BLISSYMBOL CLOSING PARENTHESIS;Pe;0;ON;;;;;Y;;;;;
16763;BLISSYMBOL OPENING SQUARE BRACKET;Ps;0;ON;;;;;Y;;;;;
16764;BLISSYMBOL CLOSING SQUARE BRACKET;Pe;0;ON;;;;;Y;;;;;
16765;BLISSYMBOL OPENING CURLY BRACKET;Ps;0;ON;;;;;Y;;;;;
16766;BLISSYMBOL CLOSING CURLY BRACKET;Pe;0;ON;;;;;Y;;;;;

16765;BLISSYMBOL PERCENT;Lo;0;ON;;;;;N;;;;;
16766;BLISSYMBOL CENT;Lo;0;ON;;;;;N;;;;;
16767;BLISSYMBOL DOLLAR;Lo;0;ON;;;;;N;;;;;
...
16773;BLISSYMBOL HEBREW ALPHABET;Lo;0;ON;;;;;N;;;;;
16774;BLISSYMBOL ARABIC ALPHABET;Lo;0;ON;;;;;N;;;;;
16775;BLISSYMBOL RUNIC ALPHABET;Lo;0;ON;;;;;N;;;;;

167C1;BLISSYMBOL ONE QUARTER;No;0;ON;;;;1/4;N;;;;;
```

```
167C2;BLISSYMBOL ONE THIRD;No;0;ON;;;;;1/3;N;;;;;
167C3;BLISSYMBOL ONE HALF;No;0;ON;;;;;1/2;N;;;;;
167C4;BLISSYMBOL TWO THIRDS;No;0;ON;;;;;2/3;N;;;;;
167C5;BLISSYMBOL THREE QUARTERS;No;0;ON;;;;;3/4;N;;;;;
167C6;BLISSYMBOL INDEX ZERO;No;0;EN;;0;0;0;N;;;;;
167C7;BLISSYMBOL INDEX ONE;No;0;EN;;1;1;1;N;;;;;
167C8;BLISSYMBOL INDEX TWO;No;0;EN;;2;2;2;N;;;;;
167C9;BLISSYMBOL INDEX THREE;No;0;EN;;3;3;3;N;;;;;
167CA;BLISSYMBOL INDEX FOUR;No;0;EN;;4;4;4;N;;;;;
167CB;BLISSYMBOL INDEX FIVE;No;0;EN;;5;5;5;N;;;;;
167CC;BLISSYMBOL INDEX SIX;No;0;EN;;6;6;6;N;;;;;
167CD;BLISSYMBOL INDEX SEVEN;No;0;EN;;7;7;7;N;;;;;
167CE;BLISSYMBOL INDEX EIGHT;No;0;EN;;8;8;8;N;;;;;
167CF;BLISSYMBOL INDEX NINE;No;0;EN;;9;9;9;N;;;;;
167D0;BLISSYMBOL ZERO;Nd;0;EN;;0;0;0;N;;;;;
167D1;BLISSYMBOL ONE;Nd;0;EN;;1;1;1;N;;;;;
167D2;BLISSYMBOL TWO;Nd;0;EN;;2;2;2;N;;;;;
167D3;BLISSYMBOL THREE;Nd;0;EN;;3;3;3;N;;;;;
167D4;BLISSYMBOL FOUR;Nd;0;EN;;4;4;4;N;;;;;
167D5;BLISSYMBOL FIVE;Nd;0;EN;;5;5;5;N;;;;;
167D6;BLISSYMBOL SIX;Nd;0;EN;;6;6;6;N;;;;;
167D7;BLISSYMBOL SEVEN;Nd;0;EN;;7;7;7;N;;;;;
167D8;BLISSYMBOL EIGHT;Nd;0;EN;;8;8;8;N;;;;;
167D9;BLISSYMBOL NINE;Nd;0;EN;;9;9;9;N;;;;;

167DA;BLISSYMBOL WORDSPACE;Zs;0;WS;;;;;;N;;;;;
167DB;BLISSYMBOL NO-BREAK PUNCTUATION SPACE;Zs;0;WS;;;;;;N;;;;;

167DC;BLISSYMBOL INDICATOR PLURAL;Mn;230;NSM;;;;;;N;;;;;
167DD;BLISSYMBOL INDICATOR DEFINITE PLURAL;Mn;230;NSM;;;;;;N;;;;;
167DE;BLISSYMBOL INDICATOR DEFINITE;Mn;230;NSM;;;;;;N;;;;;
167DF;BLISSYMBOL INDICATOR THING;Mn;230;NSM;;;;;;N;;;;;
167E0;BLISSYMBOL INDICATOR PLURAL THING;Mn;230;NSM;;;;;;N;;;;;
167E1;BLISSYMBOL INDICATOR DEFINITE PLURAL THING;Mn;230;NSM;;;;;;N;;;;;
167E2;BLISSYMBOL INDICATOR DEFINITE THING;Mn;230;NSM;;;;;;N;;;;;
167E3;BLISSYMBOL INDICATOR ACTION;Mn;230;NSM;;;;;;N;;;;;
167E4;BLISSYMBOL INDICATOR ACTIVE;Mn;230;NSM;;;;;;N;;;;;
167E5;BLISSYMBOL INDICATOR PAST;Mn;230;NSM;;;;;;N;;;;;
167E6;BLISSYMBOL INDICATOR PRESENT;Mn;230;NSM;;;;;;N;;;;;
167E7;BLISSYMBOL INDICATOR FUTURE;Mn;230;NSM;;;;;;N;;;;;
167E8;BLISSYMBOL INDICATOR CONTINUOUS;Mn;230;NSM;;;;;;N;;;;;
167E9;BLISSYMBOL INDICATOR IMPERATIVE;Mn;230;NSM;;;;;;N;;;;;
167EA;BLISSYMBOL INDICATOR PAST CONDITIONAL;Mn;230;NSM;;;;;;N;;;;;
167EB;BLISSYMBOL INDICATOR PRESENT CONDITIONAL;Mn;230;NSM;;;;;;N;;;;;
167EC;BLISSYMBOL INDICATOR FUTURE CONDITIONAL;Mn;230;NSM;;;;;;N;;;;;
167ED;BLISSYMBOL INDICATOR PAST PASSIVE;Mn;230;NSM;;;;;;N;;;;;
167EE;BLISSYMBOL INDICATOR PASSIVE;Mn;230;NSM;;;;;;N;;;;;
167EF;BLISSYMBOL INDICATOR FUTURE PASSIVE;Mn;230;NSM;;;;;;N;;;;;
167F0;BLISSYMBOL INDICATOR PAST PASSIVE CONDITIONAL;Mn;230;NSM;;;;;;N;;;;;
167F1;BLISSYMBOL INDICATOR PRESENT PASSIVE CONDITIONAL;Mn;230;NSM;;;;;;N;;;;;
167F2;BLISSYMBOL INDICATOR FUTURE PASSIVE CONDITIONAL;Mn;230;NSM;;;;;;N;;;;;
167F3;BLISSYMBOL INDICATOR DESCRIPTION BEFORE THE FACT;Mn;230;NSM;;;;;;N;;;;;
167F4;BLISSYMBOL INDICATOR DESCRIPTION;Mn;230;NSM;;;;;;N;;;;;
167F5;BLISSYMBOL INDICATOR DESCRIPTION AFTER THE FACT;Mn;230;NSM;;;;;;N;;;;;
167F6;BLISSYMBOL INDICATOR PAST PARTICIPLE;Mn;230;NSM;;;;;;N;;;;;
167F7;BLISSYMBOL INDICATOR PRESENT PARTICIPLE;Mn;230;NSM;;;;;;N;;;;;
167F8;BLISSYMBOL INDICATOR FUTURE PARTICIPLE;Mn;230;NSM;;;;;;N;;;;;
167F9;BLISSYMBOL INDICATOR PAST PERFECTIVE PARTICIPLE;Mn;230;NSM;;;;;;N;;;;;
167FA;BLISSYMBOL INDICATOR PAST PASSIVE PARTICIPLE;Mn;230;NSM;;;;;;N;;;;;
167FB;BLISSYMBOL INDICATOR PRESENT PASSIVE PARTICIPLE;Mn;230;NSM;;;;;;N;;;;;
167FC;BLISSYMBOL INDICATOR FUTURE PASSIVE PARTICIPLE;Mn;230;NSM;;;;;;N;;;;;
167FD;BLISSYMBOL INDICATOR DESCRIPTION OF ACTION;Mn;230;NSM;;;;;;N;;;;;
167FE;BLISSYMBOL MATRIX SQUARE;So;0;ON;;;;;;N;;;;;
167FF;BLISSYMBOL MATRIX GRID;So;0;ON;;;;;;N;;;;;
```

13. Appendices. A number of appendices are given below. Colours are used in these to highlight various aspects of relationships between characters. In this preliminary document the names list is given only once, but the names lists for each code chart are coloured in the same way and this can be useful for reviewers. *Question*: Should the final proposal include the full charts as well for all of these, or should the whole charts-and-nameslist documents be published as individual documents? The question is which would be easier for reviewers.

13.1. Names list conventions. In the current names list a large number of annotations and a smaller number of cross-references are given. Some of these annotations may not be used in the final code charts for the standard but are given here to assist reviewers of the proposal. The types are given below. The first three types should probably be retained in a Unibliss database.

- **BCI-AV-xxxxx** — This is the BCI AV number. These will certainly be included in a unibliss.txt file.
- **N1866-Exxx** — This is the code point the character had in N1866.
- **MSBI-r-xxx.xx** — This is the page and line number of the relevant entry in the Hebrew Bliss dictionary for characters whose glyphs mirror in a RTL environment.
- **used as a radical in lexicography** — This annotation should be retained in the published names list. Because some radicals are meaningful and some are used only as radicals, this information is important for implementors. (The idea is that there may be some implementations which would prefer to exclude meaningless radicals from presentation to some users.)

For BRG radicals which no longer have clients a cross-reference to the Bliss-character which used to use it is given. Other cross-references are to characters elsewhere in the standard. Informative notes are given in the usual way for many characters; in particular since the names associated with family relationships differ from the terms used in ordinary language, an annotation is given to make it clearer. Examples:

```
16541    BLISSYMBOL SISTER OF PARENT
         = aunt
16543    BLISSYMBOL SISTER OF MOTHER
         = maternal aunt
16545    BLISSYMBOL SISTER OF FATHER
         = paternal aunt
1655C    BLISSYMBOL SIBLING OF PARENT
         = aunt or uncle
1655E    BLISSYMBOL SIBLING OF MOTHER
         = maternal aunt or uncle
16560    BLISSYMBOL SIBLING OF FATHER
         = paternal aunt or uncle
```

14. Acknowledgements. This project was made possible in part by grants from Blissymbolics Communication International, from Blissymbolics UK, and from the IDO-foundation for Language Research in Memory of Hellmut Röhnisch.

15. Bibliography.

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Blissymbolics Communication International. 2004. *Blissymbol Reference Guide Supplement*. Toronto: Blissymbolics Communication International.

Blissymbolics Communication International. 2009. *The fundamental rules of Blissymbolics: creating new Blissymbolics characters and vocabulary*. 2009-01-26.

Everson, Michael. 1998. *Encoding Blissymbolics in Plane 1 of the UCS*. ISO/IEC JTC1/SC2/WG2 N1866; Unicode Technical Committee document L2/98-364:

    www.unicode.org/L2/L1998/98364-n1866-bliss.pdf

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——. 2015d. "Blissymbols (Forthcoming)", in Lindseth and Tannenbaum 2015, Vol. 2 (Back-Translations), pp. 87–90.

——. 2020. *Toward encoding Blissymbolics in Plane 1 of the UCS*. ISO/IEC JTC1/SC2/WG2 N5130; Unicode Technical Committee document L2/20-140:

    www.unicode.org/L2/L2020/20140-n5130-blissymbols.pdf

——. 2020. *On the keyboard inputting of Blissymbols*. ISO/IEC JTC1/SC2/WG2 N5149; Unicode Technical Committee document L2/20-271:

    www.unicode.org/L2/L2020/20271-n5149-blissymbols-kbd.pdf

Hehner, Barbara. 1982. *Blissymbols for Use*. Toronto: Blissymbolics Communication International. ISBN 0-9690516-1-1

Lindseth, Jon, and Alan Tannenbaum, eds. 2015. *Alice in a World of Wonderlands: The Translations of Lewis Carroll's masterpiece*. Volume 1: Essays. Volume 2: Back-Translations. Volume 3: Checklists. New Castle: Oak Knoll. ISBN 978-1-58456-331-0

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McNaughton, Shirley. 2002. "Blissymbol learners, their language and their learning partners: Development through three decades", in S. von Tetzchner and N. Grove, *Augmentative and alternative communication: Developmental issues*. London: Whurr. ISBN 1-861563-31-0

Shalit, Ami (עמי שליט), Judy Wine (ג׳ודי ויין), and Keren Yaniv (קרן יניב) eds. 1992. מילון סמלי בליס בעברית = *Milon simle Blis bIvrit* (Blissymbol dictionary in Hebrew). (Milon simle Blis bIvrit. [s.l.]: אייזק־ישראל = ISAAC-Israel.

Wood, Claudia, Jinny Storr, Peter A. Reich, eds. 1992. *Blissymbol Reference Guide*. Toronto: Blissymbolics Communication International. ISBN 0-9690516-9-7

16. Vocabularies. These are shown here in ascending order by publication date. The codes are used for page references to attested Bliss-words in the discussion above.

PD1   BCF (Blissymbolics Communication Foundation). 1975-11. *Provisional Dictionary*. Toronto: Blissymbolics Communication Institute.

PD2   BCF (Blissymbolics Communication Foundation). 1976-07. *Provisional Dictionary*. Revised edition. Toronto: Blissymbolics Communication Institute.

PD3   BCI (Blissymbolics Communication Foundation). 1978-03. *Provisional Dictionary*. Second revised edition, Anglicised. Toronto: Blissymbolics Communication Institute.

PD4   BCI (Blissymbolics Communication Foundation). 1979-04. *Provisional Dictionary*. Third revised edition, Anglicised. Toronto: Blissymbolics Communication Institute.

SS   McNaughton, Shirley. 1979. *Symbol Secrets*. Illustrations by Anne Thomson. Lettering by Birgitta C. Jansen. Second printing. Toronto: University of Toronto Press. ISBN 0-9690516-0-3.

BFU   Hehner, Barbara. 1982. *Blissymbols for Use*. Toronto: Blissymbolics Communication Institute. ISBN 0-9690516-1-1.

BD1 Bailey, Patricia, ed. 1983. *Blissymbol dictionary: A guide to drawing Blissymbols including Apple and BLISSCII code*. [Cardiff]: Blissymbolics Communication Resource Centre (U.K.). Folios iv, 116. Metal-spiral bound. 12 copies. (Give to © libraries.)

SV1 BCI (Blissymbolics Communication Institute). 1984. *New Symbols added to the BCI Standard Vocabulary 1984*. Toronto: Blissymbolics Communication Institute.

BFS [Hehner, Barbara]. 1984. *A Supplement to Blissymbols for Use*. Toronto: Blissymbolics Communication Institute.

BD2 Bailey, Patricia, ed. 1985. *Blissymbol dictionary: Additional vocabulary*. [Cardiff]: Blissymbolics Communication Resource Centre (U.K.). Folios iv, 42. Comb binding.

SV2 BCI (Blissymbolics Communication International). 1988. *New Symbols added to the BCI Standard Vocabulary 1988*. Don Mills: Blissymbolics Communication Institute.

NB BCI (Blissymbolics Communication International). 1990. *New Blissymbols 1980–1990*. Don Mills: Blissymbolics Communication Institute.

BRG BCI (Blissymbolics Communication International). 1992. *Blissymbol Reference Guide*. Edited by Claudia Wood, Jinny Storr, and Peter A. Reich. Toronto: Blissymbolics Communication International. ISBN 0-9690516-9-7.

MSBI Shalit, Ami (עמי שליט), Judy Wine (ג׳ודי וויין), and Keren Yaniv (קרן יניב) eds. 1992. מילון סמלי בליס בעברית = *Milon simle Blis bIvrit* (Blissymbol dictionary in Hebrew). (Milon simle Blis bIvrit. [s.l.]: אייזק-ישראל = ISAAC-Israel.

NBW Bockweg, Caroline, & Els Koerselman. 2003. *Nederlands Bliss-symbolen woordenboek*. Met medewerking van Annemie van Roy en Hilde Deltour. Huizen: Bliss-symbolencommunicatie-centrum.

BSS Kristiansen, L., Johansen, L., Holgersen, A., & Kausrud, Torhild. 2009. *Bliss symbolspråk: Metodikk, grunnleggende regler, ordbok: alfabetisk, ordbok: kategorier*. [Oslo]: ISAAC Norge.

BR1 BCI (Blissymbolics Communication International). 2004. *Blissymbol Reference Guide Supplement*. Toronto: Blissymbolics Communication International.

BR2 BCI (Blissymbolics Communication International). 2006. *Blissymbol Reference Guide Supplement*. DRAFT. Toronto: Blissymbolics Communication International. (A new edition of the 2004 edition.)

17. Figures.
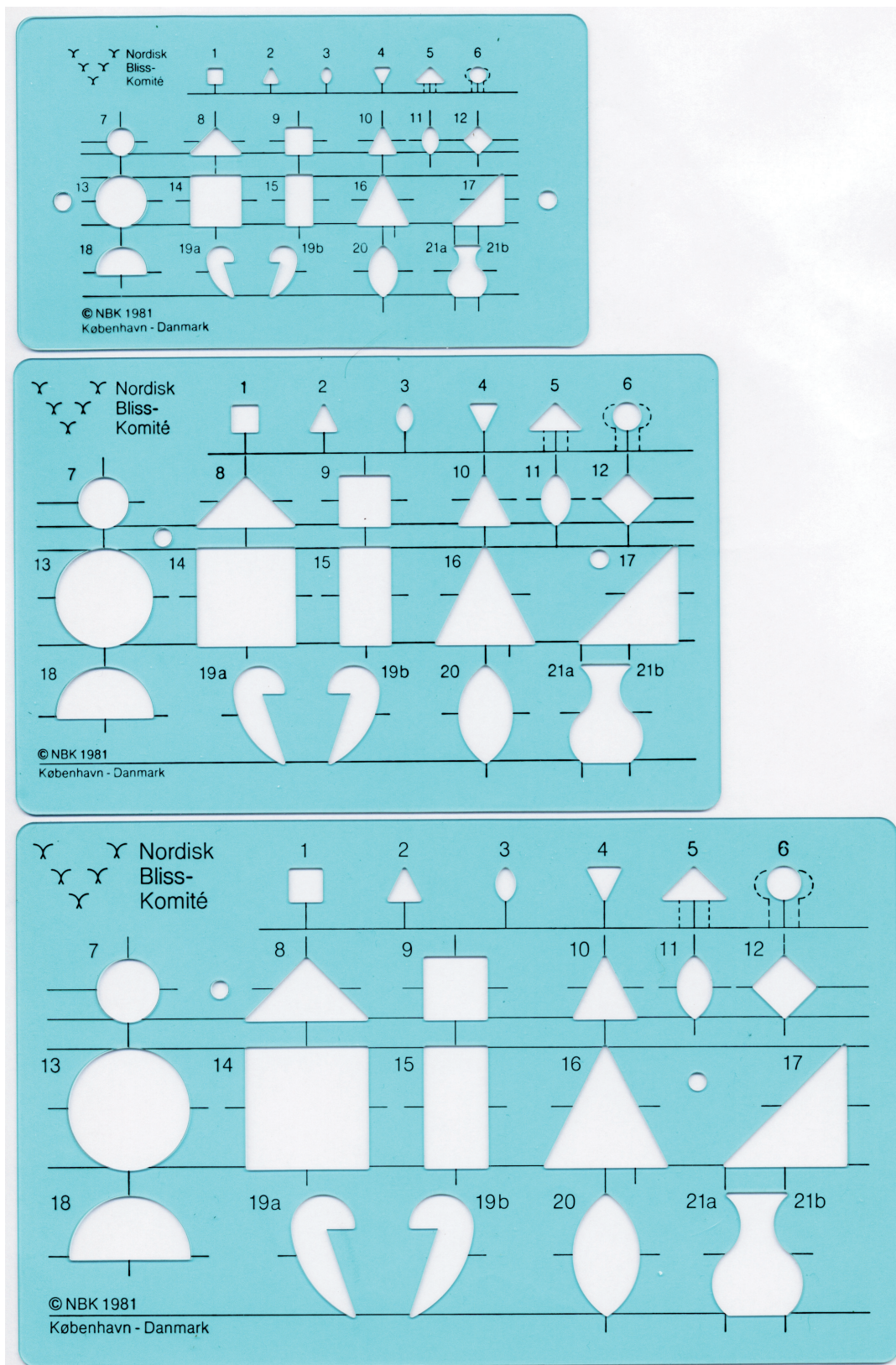
Figure 1. Three plastic Blissymbols templates used for drawing Bliss glyphs. Shown at 75% size.

Note to reviewers: Many more Figures will be added to the proposal.

Appendix 1. Proposed code chart and names list

In the chart:
- Yellow and white zones in this chart separate Bliss-letters from one another (with some subdivisions after U+167C1).

Abbreviations used in the names list:
- BCI-AV-   The code given to this character in Blissymbolics Communication International's Authorized Vocabulary
- BCI-PD1-   A source reference to the 1975 *Provisional Dictionary*.
- BCI-PD4-   A source reference to the 1976 *Provisional Dictionary*.
- BFU-   A source reference to Blissymbols for Use (1982).
- BRG   A source reference to the *Blissymbols Reference Guide* (1992)
- MSBI-   A source reference to *Milon simle Blis bIvrit* (Blissymbol dictionary in Hebrew), (1992)

	1620	1621	1622	1623	1624	1625	1626	1627	1628	1629	162A	162B	162C	162D	162E	162F
0	16200	16210	16220	16230	16240	16250	16260	16270	16280	16290	162A0	162B0	162C0	162D0	162E0	162F0
1	16201	16211	16221	16231	16241	16251	16261	16271	16281	16291	162A1	162B1	162C1	162D1	162E1	162F1
2	16202	16212	16222	16232	16242	16252	16262	16272	16282	16292	162A2	162B2	162C2	162D2	162E2	162F2
3	16203	16213	16223	16233	16243	16253	16263	16273	16283	16293	162A3	162B3	162C3	162D3	162E3	162F3
4	16204	16214	16224	16234	16244	16254	16264	16274	16284	16294	162A4	162B4	162C4	162D4	162E4	162F4
5	16205	16215	16225	16235	16245	16255	16265	16275	16285	16295	162A5	162B5	162C5	162D5	162E5	162F5
6	16206	16216	16226	16236	16246	16256	16266	16276	16286	16296	162A6	162B6	162C6	162D6	162E6	162F6
7	16207	16217	16227	16237	16247	16257	16267	16277	16287	16297	162A7	162B7	162C7	162D7	162E7	162F7
8	16208	16218	16228	16238	16248	16258	16268	16278	16288	16298	162A8	162B8	162C8	162D8	162E8	162F8
9	16209	16219	16229	16239	16249	16259	16269	16279	16289	16299	162A9	162B9	162C9	162D9	162E9	162F9
A	1620A	1621A	1622A	1623A	1624A	1625A	1626A	1627A	1628A	1629A	162AA	162BA	162CA	162DA	162EA	162FA
B	1620B	1621B	1622B	1623B	1624B	1625B	1626B	1627B	1628B	1629B	162AB	162BB	162CB	162DB	162EB	162FB
C	1620C	1621C	1622C	1623C	1624C	1625C	1626C	1627C	1628C	1629C	162AC	162BC	162CC	162DC	162EC	162FC
D	1620D	1621D	1622D	1623D	1624D	1625D	1626D	1627D	1628D	1629D	162AD	162BD	162CD	162DD	162ED	162FD
E	1620E	1621E	1622E	1623E	1624E	1625E	1626E	1627E	1628E	1629E	162AE	162BE	162CE	162DE	162EE	162FE
F	1620F	1621F	1622F	1623F	1624F	1625F	1626F	1627F	1628F	1629F	162AF	162BF	162CF	162DF	162EF	162FF

	1630	1631	1632	1633	1634	1635	1636	1637	1638	1639	163A	163B	163C	163D	163E	163F
0	16300	16310	16320	16330	16340	16350	16360	16370	16380	16390	163A0	163B0	163C0	163D0	163E0	163F0
1	16301	16311	16321	16331	16341	16351	16361	16371	16381	16391	163A1	163B1	163C1	163D1	163E1	163F1
2	16302	16312	16322	16332	16342	16352	16362	16372	16382	16392	163A2	163B2	163C2	163D2	163E2	163F2
3	16303	16313	16323	16333	16343	16353	16363	16373	16383	16393	163A3	163B3	163C3	163D3	163E3	163F3
4	16304	16314	16324	16334	16344	16354	16364	16374	16384	16394	163A4	163B4	163C4	163D4	163E4	163F4
5	16305	16315	16325	16335	16345	16355	16365	16375	16385	16395	163A5	163B5	163C5	163D5	163E5	163F5
6	16306	16316	16326	16336	16346	16356	16366	16376	16386	16396	163A6	163B6	163C6	163D6	163E6	163F6
7	16307	16317	16327	16337	16347	16357	16367	16377	16387	16397	163A7	163B7	163C7	163D7	163E7	163F7
8	16308	16318	16328	16338	16348	16358	16368	16378	16388	16398	163A8	163B8	163C8	163D8	163E8	163F8
9	16309	16319	16329	16339	16349	16359	16369	16379	16389	16399	163A9	163B9	163C9	163D9	163E9	163F9
A	1630A	1631A	1632A	1633A	1634A	1635A	1636A	1637A	1638A	1639A	163AA	163BA	163CA	163DA	163EA	163FA
B	1630B	1631B	1632B	1633B	1634B	1635B	1636B	1637B	1638B	1639B	163AB	163BB	163CB	163DB	163EB	163FB
C	1630C	1631C	1632C	1633C	1634C	1635C	1636C	1637C	1638C	1639C	163AC	163BC	163CC	163DC	163EC	163FC
D	1630D	1631D	1632D	1633D	1634D	1635D	1636D	1637D	1638D	1639D	163AD	163BD	163CD	163DD	163ED	163FD
E	1630E	1631E	1632E	1633E	1634E	1635E	1636E	1637E	1638E	1639E	163AE	163BE	163CE	163DE	163EE	163FE
F	1630F	1631F	1632F	1633F	1634F	1635F	1636F	1637F	1638F	1639F	163AF	163BF	163CF	163DF	163EF	163FF

	1640	1641	1642	1643	1644	1645	1646	1647	1648	1649	164A	164B	164C	164D	164E	164F
0	16400	16410	16420	16430	16440	16450	16460	16470	16480	16490	164A0	164B0	164C0	164D0	164E0	164F0
1	16401	16411	16421	16431	16441	16451	16461	16471	16481	16491	164A1	164B1	164C1	164D1	164E1	164F1
2	16402	16412	16422	16432	16442	16452	16462	16472	16482	16492	164A2	164B2	164C2	164D2	164E2	164F2
3	16403	16413	16423	16433	16443	16453	16463	16473	16483	16493	164A3	164B3	164C3	164D3	164E3	164F3
4	16404	16414	16424	16434	16444	16454	16464	16474	16484	16494	164A4	164B4	164C4	164D4	164E4	164F4
5	16405	16415	16425	16435	16445	16455	16465	16475	16485	16495	164A5	164B5	164C5	164D5	164E5	164F5
6	16406	16416	16426	16436	16446	16456	16466	16476	16486	16496	164A6	164B6	164C6	164D6	164E6	164F6
7	16407	16417	16427	16437	16447	16457	16467	16477	16487	16497	164A7	164B7	164C7	164D7	164E7	164F7
8	16408	16418	16428	16438	16448	16458	16468	16478	16488	16498	164A8	164B8	164C8	164D8	164E8	164F8
9	16409	16419	16429	16439	16449	16459	16469	16479	16489	16499	164A9	164B9	164C9	164D9	164E9	164F9
A	1640A	1641A	1642A	1643A	1644A	1645A	1646A	1647A	1648A	1649A	164AA	164BA	164CA	164DA	164EA	164FA
B	1640B	1641B	1642B	1643B	1644B	1645B	1646B	1647B	1648B	1649B	164AB	164BB	164CB	164DB	164EB	164FB
C	1640C	1641C	1642C	1643C	1644C	1645C	1646C	1647C	1648C	1649C	164AC	164BC	164CC	164DC	164EC	164FC
D	1640D	1641D	1642D	1643D	1644D	1645D	1646D	1647D	1648D	1649D	164AD	164BD	164CD	164DD	164ED	164FD
E	1640E	1641E	1642E	1643E	1644E	1645E	1646E	1647E	1648E	1649E	164AE	164BE	164CE	164DE	164EE	164FE
F	1640F	1641F	1642F	1643F	1644F	1645F	1646F	1647F	1648F	1649F	164AF	164BF	164CF	164DF	164EF	164FF

	1650	1651	1652	1653	1654	1655	1656	1657	1658	1659	165A	165B	165C	165D	165E	165F
0	16500	16510	16520	16530	16540	16550	16560	16570	16580	16590	165A0	165B0	165C0	165D0	165E0	165F0
1	16501	16511	16521	16531	16541	16551	16561	16571	16581	16591	165A1	165B1	165C1	165D1	165E1	165F1
2	16502	16512	16522	16532	16542	16552	16562	16572	16582	16592	165A2	165B2	165C2	165D2	165E2	165F2
3	16503	16513	16523	16533	16543	16553	16563	16573	16583	16593	165A3	165B3	165C3	165D3	165E3	165F3
4	16504	16514	16524	16534	16544	16554	16564	16574	16584	16594	165A4	165B4	165C4	165D4	165E4	165F4
5	16505	16515	16525	16535	16545	16555	16565	16575	16585	16595	165A5	165B5	165C5	165D5	165E5	165F5
6	16506	16516	16526	16536	16546	16556	16566	16576	16586	16596	165A6	165B6	165C6	165D6	165E6	165F6
7	16507	16517	16527	16537	16547	16557	16567	16577	16587	16597	165A7	165B7	165C7	165D7	165E7	165F7
8	16508	16518	16528	16538	16548	16558	16568	16578	16588	16598	165A8	165B8	165C8	165D8	165E8	165F8
9	16509	16519	16529	16539	16549	16559	16569	16579	16589	16599	165A9	165B9	165C9	165D9	165E9	165F9
A	1650A	1651A	1652A	1653A	1654A	1655A	1656A	1657A	1658A	1659A	165AA	165BA	165CA	165DA	165EA	165FA
B	1650B	1651B	1652B	1653B	1654B	1655B	1656B	1657B	1658B	1659B	165AB	165BB	165CB	165DB	165EB	165FB
C	1650C	1651C	1652C	1653C	1654C	1655C	1656C	1657C	1658C	1659C	165AC	165BC	165CC	165DC	165EC	165FC
D	1650D	1651D	1652D	1653D	1654D	1655D	1656D	1657D	1658D	1659D	165AD	165BD	165CD	165DD	165ED	165FD
E	1650E	1651E	1652E	1653E	1654E	1655E	1656E	1657E	1658E	1659E	165AE	165BE	165CE	165DE	165EE	165FE
F	1650F	1651F	1652F	1653F	1654F	1655F	1656F	1657F	1658F	1659F	165AF	165BF	165CF	165DF	165EF	165FF

	1660	1661	1662	1663	1664	1665	1666	1667	1668	1669	166A	166B	166C	166D	166E	166F
0	16600	16610	16620	16630	16640	16650	16660	16670	16680	16690	166A0	166B0	166C0	166D0	166E0	166F0
1	16601	16611	16621	16631	16641	16651	16661	16671	16681	16691	166A1	166B1	166C1	166D1	166E1	166F1
2	16602	16612	16622	16632	16642	16652	16662	16672	16682	16692	166A2	166B2	166C2	166D2	166E2	166F2
3	16603	16613	16623	16633	16643	16653	16663	16673	16683	16693	166A3	166B3	166C3	166D3	166E3	166F3
4	16604	16614	16624	16634	16644	16654	16664	16674	16684	16694	166A4	166B4	166C4	166D4	166E4	166F4
5	16605	16615	16625	16635	16645	16655	16665	16675	16685	16695	166A5	166B5	166C5	166D5	166E5	166F5
6	16606	16616	16626	16636	16646	16656	16666	16676	16686	16696	166A6	166B6	166C6	166D6	166E6	166F6
7	16607	16617	16627	16637	16647	16657	16667	16677	16687	16697	166A7	166B7	166C7	166D7	166E7	166F7
8	16608	16618	16628	16638	16648	16658	16668	16678	16688	16698	166A8	166B8	166C8	166D8	166E8	166F8
9	16609	16619	16629	16639	16649	16659	16669	16679	16689	16699	166A9	166B9	166C9	166D9	166E9	166F9
A	1660A	1661A	1662A	1663A	1664A	1665A	1666A	1667A	1668A	1669A	166AA	166BA	166CA	166DA	166EA	166FA
B	1660B	1661B	1662B	1663B	1664B	1665B	1666B	1667B	1668B	1669B	166AB	166BB	166CB	166DB	166EB	166FB
C	1660C	1661C	1662C	1663C	1664C	1665C	1666C	1667C	1668C	1669C	166AC	166BC	166CC	166DC	166EC	166FC
D	1660D	1661D	1662D	1663D	1664D	1665D	1666D	1667D	1668D	1669D	166AD	166BD	166CD	166DD	166ED	166FD
E	1660E	1661E	1662E	1663E	1664E	1665E	1666E	1667E	1668E	1669E	166AE	166BE	166CE	166DE	166EE	166FE
F	1660F	1661F	1662F	1663F	1664F	1665F	1666F	1667F	1668F	1669F	166AF	166BF	166CF	166DF	166EF	166FF

	1670	1671	1672	1673	1674	1675	1676	1677	1678	1679	167A	167B	167C	167D	167E	167F
0	16700	16710	16720	16730	16740	16750	16760	16770						167D0	167E0	167F0
1	16701	16711	16721	16731	16741	16751	16761	16771					167C1	167D1	167E1	167F1
2	16702	16712	16722	16732	16742	16752	16762	16772					167C2	167D2	167E2	167F2
3	16703	16713	16723	16733	16743	16753	16763	16773					167C3	167D3	167E3	167F3
4	16704	16714	16724	16734	16744	16754	16764	16774					167C4	167D4	167E4	167F4
5	16705	16715	16725	16735	16745	16755	16765	16775					167C5	167D5	167E5	167F5
6	16706	16716	16726	16736	16746	16756	16766	16776					167C6	167D6	167E6	167F6
7	16707	16717	16727	16737	16747	16757	16767	16777					167C7	167D7	167E7	167F7
8	16708	16718	16728	16738	16748	16758	16768						167C8	167D8	167E8	167F8
9	16709	16719	16729	16739	16749	16759	16769						167C9	167D9	167E9	167F9
A	1670A	1671A	1672A	1673A	1674A	1675A	1676A						167CA	167DA	167EA	167FA
B	1670B	1671B	1672B	1673B	1674B	1675B	1676B						167CB	167DB	167EB	167FB
C	1670C	1671C	1672C	1673C	1674C	1675C	1676C						167CC	167DC	167EC	167FC
D	1670D	1671D	1672D	1673D	1674D	1675D	1676D						167CD	167DD	167ED	167FD
E	1670E	1671E	1672E	1673E	1674E	1675E	1676E						167CE	167DE	167EE	167FE
F	1670F	1671F	1672F	1673F	1674F	1675F	1676F						167CF	167DF	167EF	167FF

Blissymbols radicals: Blissymbols in cells coloured GREEN are used as radicals and represent meaningful concepts. Blissymbols in cells coloured BLUE are used only as radicals. Blissymbols in cells half-coloured MAGENTA were used in the BRG and are proposed for encoding for historical usage.

Wavy Lines

16200   BLISSYMBOL FIRE ON SKYLINE
- BCI-AV-b-18500
- N1866-E000
- used as a radical in lexicography (BRG)
→ 16636 ⸝⸝ blissymbol squirrel

16201   BLISSYMBOL FIRE
- BCI-AV-14183
- N1866-E002
- used as a radical in lexicography

16202   BLISSYMBOL HEAT
- BCI-AV-14696
- N1866-E223

16203   BLISSYMBOL MANGO
- BCI-AV-15419
- N1866-E003

16204   BLISSYMBOL VASE
- BCI-AV-21282

16205   BLISSYMBOL EXTINGUISHING
- BCI-AV-25556

16206   BLISSYMBOL WATER ON SKYLINE
- BCI-AV-b-18542
- N1866-E004
- used as a radical in lexicography

16207   BLISSYMBOL CHANNEL
- BCI-AV-25623
- N1866-E008
- BCI-AV-13654 used for Denmark

16208   BLISSYMBOL CLOUD
- BCI-AV-13367
- N1866-E005

16209   BLISSYMBOL WATER
- BCI-AV-18209
- N1866-E006
- used as a radical in lexicography

1620A   BLISSYMBOL OIL
- BCI-AV-15914
- N1866-E007

1620B   BLISSYMBOL STEAM
- BCI-AV-17255
- N1866-E009

1620C   BLISSYMBOL RAIN
- BCI-AV-16455
- N1866-E00A

1620D   BLISSYMBOL HAIL
- BCI-AV-14659
- N1866-E00B

1620E   BLISSYMBOL DRINK
- BCI-AV-13881
- N1866-E00C

1620F   BLISSYMBOL SAUCE
- BCI-AV-20522

16210   BLISSYMBOL WASHING
- BCI-AV-16992
- N1866-E00D

16211   BLISSYMBOL TADPOLE
- BCI-AV-24302

16212   BLISSYMBOL ICE
- BCI-AV-14919
- N1866-E00E

16213   BLISSYMBOL COLD
- BCI-AV-25533
- N1866-E224

16214   BLISSYMBOL FREEZING
- BCI-AV-25565
- N1866-E012
- MSBI-r-088.08

16215   BLISSYMBOL THAWING
- BCI-AV-25621
- N1866-E187
- MSBI-r-087.08

16216   BLISSYMBOL SOLIDIFYING
- BCI-AV-c-28154

16217   BLISSYMBOL MELTING
- BCI-AV-c-28135

16218   BLISSYMBOL POOL
- BCI-AV-16219
- N1866-E00F

16219   BLISSYMBOL SPRAY
- BCI-AV-24940

1621A   BLISSYMBOL CONDENSATION
- BCI-AV-23839

1621B   BLISSYMBOL BATHING
- BCI-AV-gc-28293
- BCI-PD4-27

1621C   BLISSYMBOL FOG
- BCI-AV-14374
- N1866-E283

1621D   BLISSYMBOL FLOODING
- BCI-AV-25633

1621E   BLISSYMBOL SNOW
- BCI-AV-17192
- N1866-E010

1621F   BLISSYMBOL SNOWFLAKE
- BCI-AV-17195
- N1866-E011
- MSBI-r-165.04

16220   BLISSYMBOL DRYNESS
- BCI-AV-23859

16221   BLISSYMBOL PUDDLE
- BCI-AV-25777
- N1866-E013
- used as a radical in lexicography

16222   BLISSYMBOL WAVE
- BCI-AV-21880

16223   BLISSYMBOL RIVER
- BCI-AV-16677
- N1866-E039
- MSBI-r-138.04

16224   BLISSYMBOL FJORD
- BCI-AV-22613

16225   BLISSYMBOL HARBOUR
- BCI-AV-25597
- N1866-E1F6

16226   BLISSYMBOL ISLAND
- BCI-AV-14958
- N1866-E017

16227   BLISSYMBOL MUD
- BCI-AV-15672
- N1866-E015

16228   BLISSYMBOL WETLAND
- BCI-AV-17472
- N1866-E016

16229　　⁄　BLISSYMBOL FIBRE
　　　　　• BCI-AV-c-28119
　　　　　• used as a radical in lexicography
1622A　　⁄　BLISSYMBOL STRAP
　　　　　• BCI-AV-c-28157
1622B　　ˎ　BLISSYMBOL REVERSED FIRE
　　　　　• BCI-AV-b-18501
　　　　　• N1866-E018
　　　　　• used as a radical in lexicography
1622C　　ˌ　BLISSYMBOL MEDICINE
　　　　　• BCI-AV-24920
　　　　　• N1866-E019
1622D　　⌣　BLISSYMBOL REVERSED WATER
　　　　　• BCI-AV-b-18543
　　　　　• N1866-E01A
　　　　　• used as a radical in lexicography
1622E　　∿　BLISSYMBOL SPERM
　　　　　• BCI-AV-17226
　　　　　• N1866-E01B
　　　　　• MSBI-r-048.04
1622F　　⊶　BLISSYMBOL FERTILIZATION
　　　　　• BCI-AV-13395
　　　　　• N1866-E01C
　　　　　• MSBI-r-040.11
16230　　⊷　BLISSYMBOL MISCARRIAGE
　　　　　• BCI-AV-25547
　　　　　• N1866-E01D
　　　　　• MSBI-r-040.09
16231　　⊣　BLISSYMBOL BARRIER
　　　　　• BCI-AV-12631
　　　　　• N1866-E01E
　　　　　• MSBI-r-011.07
16232　　↗　BLISSYMBOL SPERMICIDE
　　　　　• BCI-AV-25615
　　　　　• MSBI-r-173.04

Hearts

16233　　♡　BLISSYMBOL FEELING
　　　　　• BCI-AV-14164
　　　　　• N1866-E01F
　　　　　• used as a radical in lexicography
16234　　♡　BLISSYMBOL LOVE
　　　　　• BCI-AV-15399
　　　　　• N1866-E2C6
　　　　　• MSBI-r-003.02
16235　　♡　BLISSYMBOL INTERJECTION
　　　　　• BCI-AV-24961
　　　　　• N1866-E020
16236　　♡　BLISSYMBOL AESTHETICS
　　　　　• BCI-AV-c-28100
　　　　　• Semantography-304
16237　　♡　BLISSYMBOL SPIRIT
　　　　　• BCI-AV-21044
16238　　♡　BLISSYMBOL CAPTIVITY
　　　　　• BCI-AV-25132
16239　　♡　BLISSYMBOL FREEDOM
　　　　　• BCI-AV-14396
　　　　　• N1866-E1A4
1623A　　♡　BLISSYMBOL RELIGION
　　　　　• BCI-AV-20563
1623B　　♡　BLISSYMBOL BELIEF
　　　　　• BCI-AV-20564
1623C　　♡　BLISSYMBOL THEISM
　　　　　• BCI-AV-20561

1623D　　♡　BLISSYMBOL PEACE
　　　　　• BCI-AV-15981
　　　　　• N1866-E285
1623E　　♡　BLISSYMBOL DISTURBANCE
　　　　　• BCI-AV-25553
　　　　　• N1866-E286
1623F　　♡　BLISSYMBOL COMFORT
　　　　　• BCI-AV-16495
　　　　　• N1866-E021
16240　　♡　BLISSYMBOL DISCOMFORT
　　　　　• BCI-AV-13687
　　　　　• N1866-E022

Cross Hatches

16241　　♯　BLISSYMBOL CLOTH
　　　　　• BCI-AV-13365
　　　　　• N1866-E023
　　　　　• used as a radical in lexicography
16242　　♯　BLISSYMBOL CLOTHING
　　　　　• BCI-AV-13366
　　　　　• N1866-E1F7
16243　　♯　BLISSYMBOL NUMBER
　　　　　• BCI-AV-15742
　　　　　• N1866-E024
　　　　　• used as a radical in lexicography

Buildings

16244　　⌂　BLISSYMBOL HOUSE
　　　　　• BCI-AV-14905
　　　　　• N1866-E025
　　　　　• used as a radical in lexicography
16245　　⌂　BLISSYMBOL MANSION
　　　　　• BCI-AV-bm-18561
　　　　　• N1866-E318
16246　　⌂　BLISSYMBOL GARAGE
　　　　　• BCI-AV-14420
　　　　　• N1866-E026
16247　　⌂　BLISSYMBOL CRAWL SPACE
　　　　　• BCI-AV-26046
16248　　⌂　BLISSYMBOL FOUNDATION
　　　　　• BCI-AV-23089
16249　　⌂　BLISSYMBOL CELLARED HOUSE
　　　　　• BCI-AV-26044
1624A　　⌂　BLISSYMBOL CELLAR
　　　　　• BCI-AV-23029
1624B　　⌂　BLISSYMBOL OUTDOORS
　　　　　• BCI-AV-25591
1624C　　⌂　BLISSYMBOL INDOORS
　　　　　• BCI-AV-22116
1624D　　⌂　BLISSYMBOL ATTICKED HOUSE
　　　　　• BCI-AV-26043
1624E　　⌂　BLISSYMBOL ATTIC
　　　　　• BCI-AV-23026
1624F　　⌂　BLISSYMBOL TWO-STOREY HOUSE
　　　　　• BCI-AV-26047
16250　　⌂　BLISSYMBOL STOREY
　　　　　• BCI-AV-23085
16251　　⌂⌂　BLISSYMBOL PUBLIC SQUARE
　　　　　• BCI-AV-26049
16252　　⌂⌂　BLISSYMBOL COURTYARD
　　　　　• BCI-AV-24281
16253　　⌂　BLISSYMBOL PUBLIC YARD
　　　　　• BCI-AV-26048

16254	⌂	BLISSYMBOL YARD

- BCI-AV-18287
- N1866-E028
- MSBI-r-058.09

16255　⌂　BLISSYMBOL FENCE
- BCI-AV-14167
- N1866-E029
- MSBI-r-028.05

16256　⌂　BLISSYMBOL SEMI-DETACHED HOUSE
- BCI-AV-23201

16257　⌂⌂　BLISSYMBOL TERRACE
- BCI-AV-23193

16258　⌂　BLISSYMBOL FACTORY
- BCI-AV-26045

16259　⌂　BLISSYMBOL CHIMNEY
- BCI-AV-13168
- N1866-E02A
- MSBI-r-013.10

1625A　⌂　BLISSYMBOL RUIN
- BCI-AV-25605

1625B　⌂　BLISSYMBOL TOWER
- BCI-AV-23240

1625C　⌂　BLISSYMBOL CASTLE
- BCI-AV-23437

Ears

1625D　⌐　BLISSYMBOL EAR
- BCI-AV-13894
- N1866-E02B
- used as a radical in lexicography

1625E　⊘　BLISSYMBOL LANGUAGE
- BCI-AV-15172
- N1866-E0A8

1625F　⊘　BLISSYMBOL NEWS
- BCI-AV-15712
- N1866-E09E

16260　⊘　BLISSYMBOL EAR MOULD
- BCI-AV-13895
- N1866-E189

16261　⊃　BLISSYMBOL SOUND
- BCI-AV-17216
- N1866-E02C

16262　⊅　BLISSYMBOL DEAFNESS
- BCI-AV-25543
- N1866-E02D

Arrows

16263　→　BLISSYMBOL EXTENDED FORWARDS
- BCI-AV-b-18502
- N1866-E02E
- used as a radical in lexicography

16264　→　BLISSYMBOL CONTINUATION
- BCI-AV-24881
- N1866-E02F
- MSBI-r-086.02

16265　↑　BLISSYMBOL UP
- BCI-AV-17983
- N1866-E030
- used as a radical in lexicography

16266　↕　BLISSYMBOL SHAKING
- BCI-AV-16934
- MSBI-r-098.11

16267　φ　BLISSYMBOL GAS
- BCI-AV-14424
- N1866-E031

16268　φ　BLISSYMBOL BUBBLE
- BCI-AV-12916
- N1866-E032
- MSBI-r-018.09

16269　↧　BLISSYMBOL GIVING
- BCI-AV-24903
- N1866-E033

1626A　↥　BLISSYMBOL EXCHANGE
- BCI-AV-25555
- N1866-E034

1626B　⍐　BLISSYMBOL EGRESS UP
- BCI-AV-25134

1626C　⍇　BLISSYMBOL INGRESS UP
- BCI-AV-25896

1626D　↗　BLISSYMBOL UP AND FORWARDS
- BCI-AV-17987
- N1866-E035
- MSBI-r-040.03
- used as a radical in lexicography

1626E　↗　BLISSYMBOL ASCENDING AND DESCENDING
- BCI-AV-25401

1626F　→　BLISSYMBOL FORWARDS
- BCI-AV-14390
- N1866-E036
- MSBI-r-172.08
- used as a radical in lexicography

16270　⍐　BLISSYMBOL VISIT
- BCI-AV-24859
- N1866-E03D
- MSBI-r-081.05

16271　→→　BLISSYMBOL CHASE
- BCI-AV-gc-28296

16272　→⊣　BLISSYMBOL ATTEMPT
- BCI-AV-gc-28292

16273　⇉　BLISSYMBOL AGREEMENT
- BCI-AV-12354
- N1866-E03A
- MSBI-r-040.06

16274　⇒　BLISSYMBOL COMPETITION
- BCI-AV-16451
- N1866-E044
- MSBI-r-198.06

16275　→⊂　BLISSYMBOL ADVERSITY
- BCI-AV-25545
- MSBI-r-199.04

16276　→←　BLISSYMBOL MEETING
- BCI-AV-25583
- N1866-E037

16277　⇄　BLISSYMBOL GREETING
- BCI-AV-25584
- N1866-E038

16278　⇄　BLISSYMBOL BACK AND FORTH
- BCI-AV-12610
- N1866-E03B
- MSBI-r-039.07

16279　→⊷←　BLISSYMBOL MASH
- BCI-AV-25581
- N1866-E040

1627A　⊟　BLISSYMBOL INTO
- BCI-AV-14952
- N1866-E03F
- MSBI-r-109.09
- forwards ingress

1627B	⇨	BLISSYMBOL OUT OF
		• BCI-AV-15943
		• N1866-E17B
		• MSBI-r-104.05
		• forwards egress
1627C	⊶	BLISSYMBOL PUSH
		• BCI-AV-24825
		• N1866-E041
		• MSBI-r-082.11
1627D	⊷	BLISSYMBOL COMPRESSION
		• BCI-AV-25534
		• N1866-E042
1627E	⊳→	BLISSYMBOL PULL
		• BCI-AV-25599
		• N1866-E18A
		• MSBI-r-099.04
1627F	→⊦	BLISSYMBOL APPROACH
		• BCI-AV-12407
		• MSBI-r-053.10
16280	⊹	BLISSYMBOL THROUGH
		• BCI-AV-17724
		• N1866-E03C
		• MSBI-r-036.04
16281	⊣	BLISSYMBOL END
		• BCI-AV-13935
		• N1866-E043
		• MSBI-r-145.03
16282	⇢↣	BLISSYMBOL RELAY
		• BCI-AV-21841
16283	⊢→	BLISSYMBOL DEPARTURE
		• BCI-AV-13658
		• MSBI-r-068.07
16284	⊢	BLISSYMBOL BEGINNING
		• BCI-AV-12658
		• N1866-E2DE
		• MSBI-r-042.04
16285	⇥	BLISSYMBOL EASINESS
		• BCI-AV-24890
16286	→⊣	BLISSYMBOL DIFFICULTY
		• BCI-AV-24884
		• N1866-E376
		• MSBI-r-178.07
16287	↘	BLISSYMBOL DOWN AND FORWARDS
		• BCI-AV-13871
		• N1866-E045
		• MSBI-r-112.10
		• used as a radical in lexicography
16288	↘	BLISSYMBOL DESCENDING AND ASCENDING
		• BCI-AV-c-28116
16289	↓	BLISSYMBOL DOWN
		• BCI-AV-13869
		• N1866-E046
		• used as a radical in lexicography
1628A	⇓	BLISSYMBOL RECEIVING
		• BCI-AV-24727
		• N1866-E047
1628B	⊞	BLISSYMBOL INGRESS DOWN
		• BCI-AV-25895
1628C	⊡	BLISSYMBOL EGRESS DOWN
		• BCI-AV-15944
		• N1866-E16A
1628D	⊻	BLISSYMBOL GRAVITY
		• BCI-AV-25070
1628E	⊤	BLISSYMBOL FALLING
		• BCI-AV-25566

1628F	⊥	BLISSYMBOL PRESS
		• BCI-AV-24422
		• N1866-E048
16290	↙	BLISSYMBOL DOWN AND BACK
		• BCI-AV-13870
		• N1866-E049
		• used as a radical in lexicography
16291	←	BLISSYMBOL BACKWARDS ON SKYLINE
		• BCI-AV-b-18487
		• N1866-E04D
		• used as a radical in lexicography
16292	⇆	BLISSYMBOL COUNTERFORCE
		• BCI-AV-25589
		• N1866-E04F
		• MSBI-r-032.02
16293	⇄	BLISSYMBOL SUCCESS
		• BCI-AV-17451
		• N1866-E04C
		• MSBI-r-041.03
16294	⇇	BLISSYMBOL FAILURE
		• BCI-AV-24445
16295	←	BLISSYMBOL BACKWARDS
		• BCI-AV-12613
		• N1866-E04E
		• MSBI-r-006.07
		• used as a radical in lexicography
16296	↔	BLISSYMBOL PARTING
		• BCI-AV-25592
16297	↔	BLISSYMBOL ALTERNATION
		• BCI-AV-25257
16298	⇐	BLISSYMBOL DISAGREEMENT
		• BCI-AV-25864
16299	⊟	BLISSYMBOL EGRESS BACK
		• BCI-AV-25133
1629A	⊞	BLISSYMBOL INGRESS BACK
		• BCI-AV-25894
1629B	←⊶	BLISSYMBOL EXPANSION
		• BCI-AV-29004
1629C	↵	BLISSYMBOL RETURN
		• BCI-AV-16499
		• MSBI-r-053.10
1629D	↖	BLISSYMBOL UP AND BACK
		• BCI-AV-17986
		• N1866-E050
		• used as a radical in lexicography
1629E	⇕	BLISSYMBOL DISPERSAL
		• BCI-AV-24887
1629F	⊕	BLISSYMBOL EXPLOSION
		• BCI-AV-14132
		• N1866-E052
162A0	⊕	BLISSYMBOL DILUTION
		• BCI-AV-gc-28302
162A1	⊹	BLISSYMBOL GATHERING
		• BCI-AV-14427
		• N1866-E051
162A2	⊹	BLISSYMBOL IMPLOSION
		• BCI-AV-gc-28309
162A3	⊹	BLISSYMBOL CONCENTRATION
		• BCI-AV-gc-28298
162A4	⌐	BLISSYMBOL RIGHTWARDS
		• BCI-AV-c-28150
162A5	⌐	BLISSYMBOL DIVERSION
		• BCI-AV-15476
		• N1866-E04A
		• used as a radical in lexicography

162A6	⸼	BLISSYMBOL REFLECTION
		• BCI-AV-22384
		• N1866-E04B
		• MSBI-r-179.02
162A7	⸽	BLISSYMBOL SHINE
		• BCI-AV-22386
162A8	⸾	BLISSYMBOL LEFTWARDS
		• BCI-AV-c-28130
162A9	↵	BLISSYMBOL ENTER
		• BCI-AV-23488
		→ 23CE return symbol
162AA	↻	BLISSYMBOL YEAR
		• BCI-AV-18289
		• N1866-E053
		• MSBI-r-192.12
		• used as a radical in lexicography
162AB	○	BLISSYMBOL ORBIT
		• BCI-AV-bm-18562
		• N1866-E054
		• used as a radical in lexicography
162AC	☉	BLISSYMBOL ATOM
		• BCI-AV-12592
		• N1866-E055
162AD	◉	BLISSYMBOL NUCLEUS
		• BCI-AV-15741
		• N1866-E056
162AE	◍	BLISSYMBOL RADIOACTIVITY
		• BCI-AV-15740
		• N1866-E225
		• MSBI-r-177.08
162AF	↺	BLISSYMBOL ROTATION
		• BCI-AV-24249
		• N1866-E057
		• used as a radical in lexicography
162B0	↻	BLISSYMBOL SOMERSAULT
		• BCI-AV-24272
162B1	↻	BLISSYMBOL RENEWAL
		• BCI-AV-gc-28316
162B2	⌣	BLISSYMBOL SCOOP
		• BCI-AV-bm-18566
		• N1866-E05B
		• used as a radical in lexicography
162B3	⌣	BLISSYMBOL SWING
		• BCI-AV-25406
		• N1866-E05C
162B4	≈	BLISSYMBOL MIXTURE
		• BCI-AV-22377
		• N1866-E058
		• MSBI-r-103.02
162B5	⌒	BLISSYMBOL JUMP
		• BCI-AV-23550
		• N1866-E059
		• MSBI-r-035.02
		• used as a radical in lexicography
162B6	⌒	BLISSYMBOL JUMP BACK
		• BCI-AV-24805
162B7	⌐	BLISSYMBOL TURN
		• BCI-AV-25627
		• N1866-E05A
		• used as a radical in lexicography
162B8	⌐	BLISSYMBOL HOP
		• BCI-AV-bm-18558
		• N1866-E05D
		• used as a radical in lexicography

162B9	⌐	BLISSYMBOL SPIT
		• BCI-AV-25617
		• N1866-E0AA
		• MSBI-r-096.06
162BA	⌐	BLISSYMBOL FOLDING
		• BCI-AV-25564
		• N1866-E1D9
		• MSBI-r-106.02
162BB	⌐	BLISSYMBOL UNFOLDING
		• BCI-AV-25630

Wheels

162BC	⊗	BLISSYMBOL DHARMACHAKRA
		• BCI-AV-23472
		• N1866-E05E
		• used as a radical in lexicography
162BD	⊗	BLISSYMBOL TRACTOR
		• BCI-AV-17765
		• N1866-E05F
		• MSBI-r-063.12
162BE	∘	BLISSYMBOL WHEEL
		• BCI-AV-18232
		• N1866-E060
		• used as a radical in lexicography
162BF	⊶	BLISSYMBOL TYRE
		• BCI-AV-17734
		• N1866-E062
		• MSBI-r-170.03
162C0	⊶	BLISSYMBOL TRAM
		• BCI-AV-24332
162C1	⊶	BLISSYMBOL BUS
		• BCI-AV-13089
		• N1866-E27F
		• MSBI-r-004.02
162C2	⊶	BLISSYMBOL TANK
		• BCI-AV-17504
		• N1866-E337
		• MSBI-r-063.06
162C3	⊶	BLISSYMBOL LORRY
		• BCI-AV-17781
		• N1866-E181
		• MSBI-r-133.06
162C4	⊶	BLISSYMBOL SCOOTER BOARD
		• BCI-AV-21813
162C5	⊶	BLISSYMBOL VEHICLE
		• BCI-AV-18010
		• N1866-E28D
162C6	⊶	BLISSYMBOL SKATEBOARD
		• BCI-AV-16997
		• N1866-E2B2
		• MSBI-r-150.02
162C7	⊶	BLISSYMBOL CAR
		• BCI-AV-13121
		• N1866-E28E
		• MSBI-r-122.08
162C8	⊶	BLISSYMBOL STEERING WHEEL
		• BCI-AV-26062
		• N1866-E28F
162C9	⊶	BLISSYMBOL CRANE
		• BCI-AV-gc-28301
162CA	⊶	BLISSYMBOL WAGON
		• BCI-AV-18028
		• N1866-E348
		• MSBI-r-151.07

162CB ◎ BLISSYMBOL MACHINE
  • BCI-AV-15406
  • N1866-E06D
162CC ⚐ BLISSYMBOL AIRPLANE
  • BCI-AV-12357
  • N1866-E112
162CD ⚐ BLISSYMBOL TRANSPORT
  • BCI-AV-25625
  • N1866-E17F
162CE ⚐ BLISSYMBOL PUSHCART
  • BCI-AV-c-28148
162CF ⚐ BLISSYMBOL CART
  • BCI-AV-13127
  • N1866-E180
  • MSBI-r-132.04
162D0 ⚐ BLISSYMBOL WHEELED STANDER
  • BCI-AV-21820
162D1 ⚐ BLISSYMBOL WHEELCHAIR
  • BCI-AV-18233
  • N1866-E2E9
  • MSBI-r-074.05
162D2 ⚐ BLISSYMBOL CONVEYOR
  • BCI-AV-gc-28300
162D3 ⚐ BLISSYMBOL JOURNEY
  • BCI-AV-17779
  • N1866-E061
162D4 ⚐ BLISSYMBOL MOVEMENT
  • BCI-AV-25119
162D5 ⚐ BLISSYMBOL HELICOPTER
  • BCI-AV-14701
  • N1866-E32C
162D6 ⚐ BLISSYMBOL CANNON
  • BCI-AV-13120
  • N1866-E33A
  • MSBI-r-197.10
162D7 ⚐ BLISSYMBOL CARAVAN
  • BCI-AV-13113
  • N1866-E027
162D8 ⚐ BLISSYMBOL TRAILER
  • BCI-AV-25624
162D9 ⚐ BLISSYMBOL ROLLER SKATING
  • BCI-AV-16685
  • N1866-E25F
  • MSBI-r-029.06

Large Circles

162DA ○ BLISSYMBOL ZENITH
  • BCI-AV-bm-18568
  • N1866-E063
  • used as a radical in lexicography
162DB ♀ BLISSYMBOL BALLOON
  • BCI-AV-12622
  • N1866-E064
162DC ♀ BLISSYMBOL HOT-AIR BALLOON
  • BCI-AV-22107
162DD ○ BLISSYMBOL SUN
  • BCI-AV-17462
  • N1866-E065
  • used as a radical in lexicography
162DE ☉ BLISSYMBOL NORTH
  • BCI-AV-15730
  • N1866-E066
162DF ☉ BLISSYMBOL NORTHEAST
  • BCI-AV-26211

162E0 ☉ BLISSYMBOL EAST
  • BCI-AV-13902
  • N1866-E067
162E1 ☉ BLISSYMBOL SOUTHEAST
  • BCI-AV-26245
162E2 ☉ BLISSYMBOL SOUTH
  • BCI-AV-17219
  • N1866-E068
162E3 ☉ BLISSYMBOL SOUTHWEST
  • BCI-AV-26246
162E4 ☉ BLISSYMBOL WEST
  • BCI-AV-18224
  • N1866-E069
162E5 ☉ BLISSYMBOL NORTHWEST
  • BCI-AV-26212
162E6 ☉ BLISSYMBOL COMPASS ROSE
  • BCI-AV-c-28112
162E7 ⊕ BLISSYMBOL WEATHER
  • BCI-AV-18214
  • N1866-E06A
162E8 ⊕ BLISSYMBOL CLIMATE CHANGE
  • BCI-AV-28010
162E9 ⊕ BLISSYMBOL CHANGE
  • BCI-AV-13151
  • N1866-E06B
162EA ⊕ BLISSYMBOL DEVELOPMENT
  • BCI-AV-28012
  • N1866-E06C
  • MSBI-r-104.04
162EB ⊕ BLISSYMBOL REGRESSION
  • BCI-AV-c-28149
  • Semantography-411
162EC ☉ BLISSYMBOL NORTHWARDS
  • BCI-AV-c-28164
162ED ☉ BLISSYMBOL NORTHEASTWARDS
  • BCI-AV-c-28165
162EE ☉ BLISSYMBOL EASTWARDS
  • BCI-AV-c-28166
162EF ☉ BLISSYMBOL SOUTHEASTWARDS
  • BCI-AV-c-28167
162F0 ☉ BLISSYMBOL SOUTHWARDS
  • BCI-AV-c-28168
162F1 ☉ BLISSYMBOL SOUTHWESTWARDS
  • BCI-AV-c-28169
162F2 ☉ BLISSYMBOL WESTWARDS
  • BCI-AV-c-28170
162F3 ☉ BLISSYMBOL NORTHWESTWARDS
  • BCI-AV-c-28171
162F4 ☉ BLISSYMBOL NORTHERLY
  • BCI-AV-c-28172
162F5 ☉ BLISSYMBOL NORTHEASTERLY
  • BCI-AV-c-28173
162F6 ☉ BLISSYMBOL EASTERLY
  • BCI-AV-c-28174
162F7 ☉ BLISSYMBOL SOUTHEASTERLY
  • BCI-AV-c-28175
162F8 ☉ BLISSYMBOL SOUTHERLY
  • BCI-AV-c-28176
162F9 ☉ BLISSYMBOL SOUTHWESTERLY
  • BCI-AV-c-28177
162FA ☉ BLISSYMBOL WESTERLY
  • BCI-AV-c-28178
162FB ☉ BLISSYMBOL NORTHWESTERLY
  • BCI-AV-c-28179

162FC	◎	BLISSYMBOL RING
		• BCI-AV-16675
		• N1866-E06E
162FD	◶	BLISSYMBOL MELON
		• BCI-AV-15452
		• N1866-E06F
162FE	◎	BLISSYMBOL LIGHT
		• BCI-AV-15208
		• N1866-E070
162FF	◉	BLISSYMBOL CELL
		• BCI-AV-21540
16300	◉	BLISSYMBOL PRIMATE
		• BCI-AV-gc-28314
16301	◉	BLISSYMBOL EGG
		• BCI-AV-13912
		• N1866-E071
16302	⊖	BLISSYMBOL MASK
		• BCI-AV-25582
		• N1866-E07B
16303	☉	BLISSYMBOL RECORD
		• BCI-AV-25601
		• N1866-E072
16304	♀	BLISSYMBOL CEPHALOPOD
		• BCI-AV-gc-28295
16305	☽	BLISSYMBOL TIME
		• BCI-AV-17732
		• N1866-E083
16306	☉	BLISSYMBOL HEAD
		• BCI-AV-14689
		• N1866-E073
16307	☉	BLISSYMBOL CROWN OF HEAD
		• BCI-AV-26323
16308	☉	BLISSYMBOL HEAD OF HAIR
		• BCI-AV-26056
16309	☉	BLISSYMBOL HEAD HAIR
		• BCI-AV-14661
		• N1866-E15E
		• MSBI-r-188.12
1630A	☺	BLISSYMBOL FACE
		• BCI-AV-14138
		• N1866-E074
1630B	♀	BLISSYMBOL CHIN
		• BCI-AV-13169
		• N1866-E075
1630C	☺	BLISSYMBOL FOREHEAD
		• BCI-AV-14384
		• N1866-E077
1630D	◐	BLISSYMBOL CHEEK
		• BCI-AV-13156
		• N1866-E076
		• MSBI-r-093.09
1630E	♀	BLISSYMBOL FACIAL HAIR
		• BCI-AV-26052
1630F	♀	BLISSYMBOL BEARD
		• BCI-AV-12644
		• N1866-E078
		• MSBI-r-047.08
16310	☺	BLISSYMBOL ACNE
		• BCI-AV-26053
16311	◐	BLISSYMBOL PIMPLE
		• BCI-AV-16180
		• N1866-E079
		• MSBI-r-163.04
16312	♀	BLISSYMBOL THROAT
		• BCI-AV-26055

16313	♀	BLISSYMBOL NECK
		• BCI-AV-15699
		• N1866-E07A
		• MSBI-r-167.09
16314	☉	BLISSYMBOL GALAXY
		• BCI-AV-24451
16315	⊖	BLISSYMBOL PLANET
		• BCI-AV-22834
16316	◠	BLISSYMBOL DAY
		• BCI-AV-13639
		• N1866-E07D
16317	◍	BLISSYMBOL LIFE
		• BCI-AV-15206
		• N1866-E07E
16318	⊕	BLISSYMBOL NEWNESS
		• BCI-AV-25587
		• N1866-E080
		• MSBI-r-050.11
16319	⅏	BLISSYMBOL EXISTENCE
		• BCI-AV-24098
1631A	◍	BLISSYMBOL REALITY
		• BCI-AV-25779
1631B	∅	BLISSYMBOL DEATH
		• BCI-AV-13645
		• N1866-E07F
1631C	⊗	BLISSYMBOL PIZZA
		• BCI-AV-25594
		• N1866-E081
1631D	⊛	BLISSYMBOL SLICE
		• BCI-AV-c-28151
1631E	◌	BLISSYMBOL EARTH
		• BCI-AV-13900
		• N1866-E082
1631F	◌	BLISSYMBOL NORTH POLE
		• BCI-AV-22600
16320	◌	BLISSYMBOL AXIS
		• BCI-AV-24605
16321	◌	BLISSYMBOL EQUATOR
		• BCI-AV-22598
16322	◌	BLISSYMBOL SOUTH POLE
		• BCI-AV-22599

Small Circles

16323	°	BLISSYMBOL MOUTH ATOP SKYLINE
		• BCI-AV-b-18519
		• N1866-E084
		• used as a radical in lexicography
16324	☂	BLISSYMBOL METAPHOR
		• BCI-AV-15460
		• N1866-E086
16325	☂	BLISSYMBOL POETRY
		• BCI-AV-25585
		• N1866-E085
16326	☋	BLISSYMBOL FANTASY
		• BCI-AV-24895
		• N1866-E087
16327	☂	BLISSYMBOL IMAGINARY PERSON
		• BCI-AV-23577
16328	☂	BLISSYMBOL IMAGINARY WOMAN
		• BCI-AV-23581
16329	☂	BLISSYMBOL IMAGINARY MAN
		• BCI-AV-23576
1632A	°	BLISSYMBOL MOUTH BENEATH SKYLINE
		• BCI-AV-b-18521
		• N1866-E088
		• used as a radical in lexicography

1632B   BLISSYMBOL MONEY
* BCI-AV-15484
* N1866-E08D

1632C   BLISSYMBOL COMMERCE
* BCI-AV-13093
* N1866-E08E

1632D   BLISSYMBOL SHAMROCK
* BCI-AV-16939
* N1866-E128

1632E   BLISSYMBOL BOW
* BCI-AV-12882
* N1866-E0AD

1632F   BLISSYMBOL GENERALIZATION
* BCI-AV-14430
* N1866-E089

16330   BLISSYMBOL GIRL
* BCI-AV-14439
* N1866-E08A

16331   BLISSYMBOL BOY
* BCI-AV-12888
* N1866-E08B

16332   BLISSYMBOL CHILD
* BCI-AV-13166
* N1866-E08C

16333   BLISSYMBOL FLOWER
* BCI-AV-14205
* N1866-E08F

16334   BLISSYMBOL BLOOM
* BCI-AV-25563

16335   BLISSYMBOL STEM
* BCI-AV-17259
* N1866-E090
* MSBI-r-027.12

16336   BLISSYMBOL WATER FLOWER
* BCI-AV-24778

16337   BLISSYMBOL PLANT
* BCI-AV-16196
* N1866-E094

16338   BLISSYMBOL GARDEN
* BCI-AV-14422
* N1866-E091

16339   BLISSYMBOL PARK
* BCI-AV-15969
* N1866-E095

1633A   BLISSYMBOL BULBOUS PLANT
* BCI-AV-26050

1633B   BLISSYMBOL BULB FLOWER
* BCI-AV-14206
* N1866-E092
* MSBI-r-163.10

1633C   BLISSYMBOL FLOWER BULB
* BCI-AV-12919
* N1866-E093

1633D   BLISSYMBOL CYLINDER
* BCI-AV-13115
* N1866-E30C

1633E   BLISSYMBOL MOUTH
* BCI-AV-15666
* N1866-E097
* used as a radical in lexicography

1633F   BLISSYMBOL LOWER LIP
* BCI-AV-c-28132

16340   BLISSYMBOL LIPS
* BCI-AV-15218
* N1866-E098

16341   BLISSYMBOL UPPER LIP
* BCI-AV-c-28133

16342   BLISSYMBOL COMBINATION
* BCI-AV-13380
* N1866-E0A9

16343   BLISSYMBOL KISS
* BCI-AV-15152
* N1866-E0AB

16344   BLISSYMBOL CHAIN
* BCI-AV-21849

16345   BLISSYMBOL GRAPES
* BCI-AV-14635
* N1866-E0AC

16346   BLISSYMBOL GRAPE
* BCI-AV-c-28126

16347   BLISSYMBOL ARACHNID
* BCI-AV-17229
* N1866-E09A

16348   BLISSYMBOL BERRY
* BCI-AV-12666
* N1866-E0AE

16349   BLISSYMBOL CURRANTS
* BCI-AV-13623
* N1866-E099

1634A   BLISSYMBOL CURRANT
* BCI-AV-c-28114

1634B   BLISSYMBOL STRAWBERRY
* BCI-AV-17278
* N1866-E0AF

1634C   BLISSYMBOL EYE
* BCI-AV-14133
* N1866-E09B

1634D   BLISSYMBOL LOWER EYELID
* BCI-AV-25558

1634E   BLISSYMBOL EYELIDS
* BCI-AV-25557

1634F   BLISSYMBOL UPPER EYELID
* BCI-AV-14136
* N1866-E09C

16350   BLISSYMBOL EYEGLASSES
* BCI-AV-14443
* N1866-E09F

16351   BLISSYMBOL PICTURE
* BCI-AV-c-28145

16352   BLISSYMBOL MOVIE
* BCI-AV-c-28138

16353   BLISSYMBOL SHAPE
* BCI-AV-28320

16354   BLISSYMBOL CHARACTER
* BCI-AV-c-28108

16355   BLISSYMBOL INSIGHT
* BCI-AV-21098

16356   BLISSYMBOL BROW
* BCI-AV-26051

16357   BLISSYMBOL EYEBROW
* BCI-AV-14134
* N1866-E2B6
* MSBI-r-027.04

16358   BLISSYMBOL COLOUR
* BCI-AV-13377
* N1866-E09D

16359   BLISSYMBOL BLINDNESS
* BCI-AV-25526
* N1866-E0A0

1635A	⌀	BLISSYMBOL TASTE
		• BCI-AV-17506
		• N1866-E0A1
1635B		BLISSYMBOL BREATH
		• BCI-AV-gc-28294
1635C		BLISSYMBOL SATELLITE
		• BCI-AV-24739
1635D		BLISSYMBOL FOOD
		• BCI-AV-14377
		• N1866-E0A2
1635E		BLISSYMBOL SPREAD
		• BCI-AV-17238
		• N1866-E0A3
1635F		BLISSYMBOL BEING
		• BCI-AV-24443
		• N1866-E0A4
16360		BLISSYMBOL STATE OF BEING
		• BCI-AV-c-28156
16361		BLISSYMBOL EVENT
		• BCI-AV-14114
		• N1866-E0A5
16362		BLISSYMBOL NONSPEAKING
		• BCI-AV-25588
		• N1866-E0A6
16363		BLISSYMBOL NAME
		• BCI-AV-15691
		• N1866-E0A7
16364		BLISSYMBOL PEARL
		• BCI-AV-bm-18563
		• N1866-E0B0
		• used as a radical in lexicography
16365		BLISSYMBOL EARMUFFS
		• BCI-AV-24889
		• N1866-E0B4
16366		BLISSYMBOL FRUIT
		• BCI-AV-14405
		• N1866-E0B5
16367		BLISSYMBOL CITRUS
		• BCI-AV-15933
		• N1866-E0B6
16368		BLISSYMBOL PLUM
		• BCI-AV-16208
		• N1866-E0B7
16369		BLISSYMBOL CHERRIES
		• BCI-AV-13159
		• N1866-E0B8
1636A		BLISSYMBOL CHERRY
		• BCI-AV-c-28109
1636B		BLISSYMBOL DISC
		• BCI-AV-13685
		• N1866-E0B1
1636C		BLISSYMBOL BABY GIRL
		• BCI-AV-12607
		• N1866-E0BD
1636D		BLISSYMBOL BABY BOY
		• BCI-AV-12604
		• N1866-E0BE
1636E		BLISSYMBOL HOSE
		• BCI-AV-16187
		• N1866-E0B9
1636F		BLISSYMBOL FLUTE
		• BCI-AV-23872
16370		BLISSYMBOL SMOKING
		• BCI-AV-25611
		• N1866-E0BA
		• MSBI-r-103.05

16371		BLISSYMBOL CIGARETTE
		• BCI-AV-13346
		• N1866-E0BB
		• MSBI-r-145.11
16372		BLISSYMBOL PIPE SMOKING
		• BCI-AV-25612
16373		BLISSYMBOL SMOKING PIPE
		• BCI-AV-25612
16374		BLISSYMBOL PIPE BOWL
		• BCI-AV-16186
		• N1866-E0BC
		• MSBI-r-131.06
16375		BLISSYMBOL BALL
		• BCI-AV-12621
		• N1866-E0B2
16376		BLISSYMBOL BALL FIELD
		• BCI-AV-25524
		• N1866-E0B3
16377		BLISSYMBOL MUSIC
		• BCI-AV-15682
		• N1866-E0C0
16378		BLISSYMBOL SCISSORS
		• BCI-AV-16736
		• N1866-E0BF
16379		BLISSYMBOL BABY
		• BCI-AV-12603
		• N1866-E0C1
1637A		BLISSYMBOL MOUTH BENEATH EARTHLINE
		• BCI-AV-b-18520
		• used as a radical in lexicography
1637B		BLISSYMBOL TUBER
		• BCI-AV-c-28163
1637C		BLISSYMBOL ROOT VEGETABLE
		• BCI-AV-18005
		• N1866-E2A4
1637D		BLISSYMBOL TURNIP
		• BCI-AV-17958
		• N1866-E140
1637E		BLISSYMBOL BULB
		• BCI-AV-15920
		• N1866-E2A5
1637F		BLISSYMBOL ONION
		• BCI-AV-18006
		• N1866-E2A6
16380		BLISSYMBOL CELERIAC
		• BCI-AV-23833
16381		BLISSYMBOL DEGREE
		• BCI-AV-08490
		• used as a radical in lexicography
16382		BLISSYMBOL BEAR
		• BCI-AV-24801
		• N1866-E07C
16383		BLISSYMBOL KERNEL
		• BCI-AV-27080
		• N1866-E0C3
		• used as a radical in lexicography
16384		BLISSYMBOL GRAIN
		• BCI-AV-c-28125
16385		BLISSYMBOL CRUMB
		• BCI-AV-27031
16386		BLISSYMBOL RASPBERRY
		• BCI-AV-16463
		• N1866-E0C4

Half Circles

16387	⌒	BLISSYMBOL CONSCIOUSNESS
		• BCI-AV-bm-18553
		• N1866-E0C5
		• used as a radical in lexicography
16388	⌒	BLISSYMBOL CONSCIENCE
		• BCI-AV-13401
		• N1866-E0C6
16389	⊕	BLISSYMBOL FORGIVENESS
		• BCI-AV-25593
		• N1866-E0C7
1638A	⊕	BLISSYMBOL MORALITY
		• BCI-AV-25569
		• N1866-E0C8
1638B	⊖	BLISSYMBOL IMMORALITY
		• BCI-AV-25523
		• N1866-E0C9
1638C	⊕	BLISSYMBOL RESPONSIBILITY
		• BCI-AV-24240
1638D	⊿	BLISSYMBOL SUPERNATURAL
		• BCI-AV-21036
1638E	♀	BLISSYMBOL PARACHUTE
		• BCI-AV-22105
1638F	⌒	BLISSYMBOL MIND
		• BCI-AV-15471
		• N1866-E0CA
		• used as a radical in lexicography
16390	⋔	BLISSYMBOL WISH
		• BCI-AV-24833
		• N1866-E0CB
16391	⋔	BLISSYMBOL INFORMATION
		• BCI-AV-23542
16392	⊕	BLISSYMBOL PERMISSION
		• BCI-AV-24926
		• N1866-E0CC
		• MSBI-r-080.05
16393	⊲	BLISSYMBOL DECISION
		• BCI-AV-13649
		• N1866-E0CD
		• MSBI-r-084.09
16394	⋔	BLISSYMBOL IDEA
		• BCI-AV-14926
		• N1866-E0CE
16395	⋔	BLISSYMBOL CONSIDERATION
		• BCI-AV-25602
16396	⌒	BLISSYMBOL GUIDANCE
		• BCI-AV-22913
		• N1866-E0E9
		• MSBI-r-084.04
16397	⌒	BLISSYMBOL PERSUASION
		• BCI-AV-24927
16398	⌒	BLISSYMBOL POLITICS
		• BCI-AV-24216
16399	⌒	BLISSYMBOL TAX
		• BCI-AV-23230
1639A	⌒	BLISSYMBOL FORMALITY
		• BCI-AV-c-28121
1639B	⌒	BLISSYMBOL LEADER
		• BCI-AV-21054
1639C	⌒	BLISSYMBOL CHAIRPERSON
		• BCI-AV-24051
1639D	⌒	BLISSYMBOL OFFICIALITY
		• BCI-AV-c-28141

1639E	⊙	BLISSYMBOL OPINION
		• BCI-AV-15925
		• N1866-E0CF
1639F	⊙	BLISSYMBOL OBSERVATION
		• BCI-AV-24846
		• N1866-E0D0
163A0	⊙	BLISSYMBOL STATE OF MIND
		• BCI-AV-25379
		• N1866-E0D2
163A1	⊙	BLISSYMBOL FACT
		• BCI-AV-14139
		• N1866-E0D3
163A2	⊠	BLISSYMBOL MEANING
		• BCI-AV-15441
		• N1866-E0D4
163A3	⊠	BLISSYMBOL NONSENSE
		• BCI-AV-15726
		• N1866-E0D1
163A4	⊙	BLISSYMBOL EXPECTATION
		• BCI-AV-14128
		• N1866-E13C
		• MSBI-r-169.03
163A5	⌒	BLISSYMBOL KNOWLEDGE
		• BCI-AV-15162
		• N1866-E0D6
163A6	⊕	BLISSYMBOL UNDERSTANDING
		• BCI-AV-25629
		• N1866-E03E
		• MSBI-r-083.08
163A7	⊖	BLISSYMBOL FORGETTING
		• BCI-AV-24899
		• N1866-E0D7
		• MSBI-r-108.03
163A8	⌒	BLISSYMBOL MEMORY
		• BCI-AV-23589
163A9	⊕	BLISSYMBOL MYSTERY
		• BCI-AV-21297
163AA	⊠	BLISSYMBOL PLAN
		• BCI-AV-16194
		• N1866-E0D8
163AB	⋔	BLISSYMBOL CAUSALITY
		• BCI-AV-23439
163AC	⊙	BLISSYMBOL KIND
		• BCI-AV-17961
		• N1866-E0D9
163AD	⌒	BLISSYMBOL MENTAL ILLNESS
		• BCI-AV-24482
163AE	♡	BLISSYMBOL FAN
		• BCI-AV-14149
		• N1866-E0DA
163AF	⊙	BLISSYMBOL CORRECTNESS
		• BCI-AV-25538
		• N1866-E0DB
163B0	⊿	BLISSYMBOL SCIENCE
		• BCI-AV-16735
		• N1866-E0DC
163B1	⊠	BLISSYMBOL MATHEMATICS
		• BCI-AV-15432
		• N1866-E0DE
163B2	⊠	BLISSYMBOL TRUTH
		• BCI-AV-17786
		• N1866-E0DD
163B3	⌒	BLISSYMBOL VIEW OF LIFE
		• BCI-AV-21607

163B4	⊕	BLISSYMBOL USAGE
		• BCI-AV-24847
		• N1866-E0D5
163B5	⊕	BLISSYMBOL NERVE IMPULSE
		• BCI-AV-25434
163B6	⌒	BLISSYMBOL INCORRECTNESS
		• BCI-AV-25539
		• N1866-E0E1
163B7	⊊	BLISSYMBOL TOLERATION
		• BCI-AV-c-28161
163B8	⊕	BLISSYMBOL JUDGEMENT
		• BCI-AV-23127
		• N1866-E0E2
163B9	⌒	BLISSYMBOL CAP
		• BCI-AV-21623
163BA	⊕	BLISSYMBOL CALCULATION
		• BCI-AV-23475
		• N1866-E0E8
163BB	⊕	BLISSYMBOL SELFISHNESS
		• BCI-AV-24937
		• N1866-E0E3
		• MSBI-r-011.10
163BC	⊕	BLISSYMBOL THOUGHTFULNESS
		• BCI-AV-24880
		• N1866-E0E4
		• MSBI-r-091.02
163BD	⊕	BLISSYMBOL DOUBT
		• BCI-AV-22911
		• N1866-E0E5
163BE	⊕	BLISSYMBOL INTEREST
		• BCI-AV-24916
		• N1866-E0E6
163BF	⊕	BLISSYMBOL IMPORTANCE
		• BCI-AV-24913
		• N1866-E0E7
163C0	⌒	BLISSYMBOL ARC
		• BCI-AV-23817
		• N1866-E0EA
		• used as a radical in lexicography
163C1	⌒	BLISSYMBOL ECHINODERM
		• BCI-AV-23706
163C2	⌒	BLISSYMBOL SWAN
		• BCI-AV-17473
		• N1866-E0EB
		• MSBI-r-023.06
163C3	⌒	BLISSYMBOL CETACEAN
		• BCI-AV-13864
		• N1866-E104
		• MSBI-r-033.08
163C4	⌒	BLISSYMBOL JELLYFISH
		• BCI-AV-23124
163C5	⌒	BLISSYMBOL FISH
		• BCI-AV-14188
		• N1866-E0EC
163C6	⌒	BLISSYMBOL COD
		• BCI-AV-23044
163C7	⌒	BLISSYMBOL RAY
		• BCI-AV-gc-28315
163C8	⌒	BLISSYMBOL SEAHORSE
		• BCI-AV-gc-28319
163C9	⌒	BLISSYMBOL MORNING
		• BCI-AV-15656
		• N1866-E0ED

163CA	⌒	BLISSYMBOL HORIZON
		• BCI-AV-14894
		• N1866-E0EE
		• MSBI-r-005.05
163CB	⊃	BLISSYMBOL CURVE
		• BCI-AV-13627
		• N1866-E0EF
		• used as a radical in lexicography
163CC	⇁	BLISSYMBOL ARCHERY
		• BCI-AV-21855
163CD	⊃	BLISSYMBOL MOON
		• BCI-AV-15651
		• N1866-E137
163CE	⌇	BLISSYMBOL BANANA
		• BCI-AV-12623
		• N1866-E138
163CF	⊃	BLISSYMBOL NIGHT
		• BCI-AV-15719
		• N1866-E2AD
163D0	⊃	BLISSYMBOL EVENING
		• BCI-AV-13950
		• N1866-E2AE
163D1	⊃	BLISSYMBOL AROUND
		• BCI-AV-12580
		• N1866-E1D1
163D2	⊃	BLISSYMBOL MONTH
		• BCI-AV-15649
		• N1866-E2E0
163D3	∪	BLISSYMBOL BASKETBALL
		• BCI-AV-25535
		• used as a radical in lexicography
163D4	∪	BLISSYMBOL CONTAINER
		• BCI-AV-13403
		• N1866-E0F0
		• used as a radical in lexicography
163D5	∪	BLISSYMBOL EMPTINESS
		• BCI-AV-gc-28304
163D6	∪	BLISSYMBOL FLOTATION
		• BCI-AV-25562
		• N1866-E0F1
163D7	∪	BLISSYMBOL SIEVE
		• BCI-AV-16976
		• N1866-E0F2
163D8	∪	BLISSYMBOL FILLING
		• BCI-AV-gc-28306
163D9	∪	BLISSYMBOL EMPTYING
		• BCI-AV-24891
163DA	∪	BLISSYMBOL PORTABILITY
		• BCI-AV-24714
		• N1866-E0F3
		• MSBI-r-105.08
163DB	∪	BLISSYMBOL DELIVERY
		• BCI-AV-c-28115
163DC	∪	BLISSYMBOL BEDPAN
		• BCI-AV-24717
163DD	∪	BLISSYMBOL GOODS
		• BCI-AV-14457
		• N1866-E183
163DE	∪	BLISSYMBOL WASTE BIN
		• BCI-AV-14421
		• N1866-E186
163DF	∪	BLISSYMBOL FULLNESS
		• BCI-AV-24897
		• N1866-E290
163E0	∪	BLISSYMBOL FREIGHTER
		• BCI-AV-22069

163E1	⛵	BLISSYMBOL SAILBOAT • BCI-AV-20520 • N1866-E291 • MSBI-r-147.12
163E2	⛴	BLISSYMBOL BOAT • BCI-AV-12869 • N1866-E300
163E3	⛵	BLISSYMBOL HULL • BCI-AV-22065
163E4	⚓	BLISSYMBOL KEEL • BCI-AV-22064
163E5	⛵	BLISSYMBOL STERN • BCI-AV-22063
163E6	⛴	BLISSYMBOL DECK • BCI-AV-22061
163E7	⛴	BLISSYMBOL PROW • BCI-AV-22062
163E8	⛴	BLISSYMBOL RUDDER • BCI-AV-22066
163E9	⚏	BLISSYMBOL DATA FILE • BCI-AV-23500
163EA	∪	BLISSYMBOL SACK • BCI-AV-16701 • N1866-E301
163EB	⊌	BLISSYMBOL CRUSTACEAN • BCI-AV-23204
163EC	⊌	BLISSYMBOL CRAB • BCI-AV-15226 • N1866-E302
163ED	⊌	BLISSYMBOL PINCER • BCI-AV-25681
163EE	⌣	BLISSYMBOL WOK • BCI-AV-25635
163EF	⌣	BLISSYMBOL GOLF CUP • BCI-AV-25536 • used as a radical in lexicography
163F0	⊂	BLISSYMBOL REVERSED CURVE • BCI-AV-m-18578 • used as a radical in lexicography
163F1	ʒ	BLISSYMBOL KIDNEY • BCI-AV-24176
163F2	☾	BLISSYMBOL STAR AND CRESCENT • BCI-AV-c-28155 • N1866-E245 • MSBI-o-115.12
163F3	ˆ	BLISSYMBOL CONCEPT • BCI-AV-27026 • N1866-E0F4 • used as a radical in lexicography
163F4	⚲	BLISSYMBOL ABSTRACTION • BCI-AV-gc-28291
163F5	⌐	BLISSYMBOL LID • BCI-AV-22583
163F6	⌂	BLISSYMBOL PALM • BCI-AV-15960 • N1866-E0F5
163F7	⊞	BLISSYMBOL COMMANDMENT • BCI-AV-13388 • N1866-E2E5
163F8	◌	BLISSYMBOL OVAL • BCI-AV-23599
163F9	◌	BLISSYMBOL ICE CREAM BAR • BCI-AV-22366
163FA	⌐	BLISSYMBOL CONCEPT ATOP MIDLINE • BCI-AV-b-18488 • N1866-E0F6 • used as a radical in lexicography
163FB	♂	BLISSYMBOL APPLE • BCI-AV-12405 • N1866-E0F7
163FC	♂	BLISSYMBOL PEACH • BCI-AV-15983 • N1866-E0F8
163FD	⊿	BLISSYMBOL IRON • BCI-AV-14955 • N1866-E131
163FE	⊏	BLISSYMBOL FOLDER • BCI-AV-23511
163FF	⊏	BLISSYMBOL SUITCASE • BCI-AV-12618 • N1866-E0FA
16400	⚲	BLISSYMBOL ICE CREAM CONE • BCI-AV-14921 • N1866-E0FB
16401	⚲	BLISSYMBOL ICE CREAM SCOOP • BCI-AV-22369
16402	⚲	BLISSYMBOL HANDBAG • BCI-AV-14668 • N1866-E0FC
16403	♀	BLISSYMBOL MUSHROOM • BCI-AV-15678 • N1866-E100
16404	⚲	BLISSYMBOL BUCKET • BCI-AV-15953 • N1866-E32A
16405	ˬ	BLISSYMBOL CONCEPT BENEATH MIDLINE • BCI-AV-m-18575 • used as a radical in lexicography
16406	∾	BLISSYMBOL SNAKE • BCI-AV-17189 • N1866-E101 → 13199 𓆙 egyptian hieroglyph i014
16407	∾	BLISSYMBOL WATER SNAKE • BCI-AV-17190 • N1866-E102
16408	⌣	BLISSYMBOL GASTROPOD • BCI-AV-17188 • N1866-E2AB • MSBI-r-055.02
16409	ˎ	BLISSYMBOL SIDEWAYS ANTLER ON EARTHLINE • BCI-AV-b-18483 • N1866-E103 • used as a radical in lexicography (BRG) • BRG radical was positioned in error on the midline → 163C3 � blissymbol cetacean
1640A	ˇ	BLISSYMBOL ANTLER ATOP SKYLINE • BCI-AV-m-18573 • used as a radical in lexicography
1640B	⚱	BLISSYMBOL DEVIL • BCI-AV-20568
1640C	ˇ	BLISSYMBOL ANTLER • BCI-AV-21061 • N1866-E105 • used as a radical in lexicography

1640D ⌣ BLISSYMBOL HYPHEN
• BCI-AV-bm-18559
• N1866-E108
• Semantography-564
• used as a radical in lexicography
• BRG radical was positioned in error atop the midline

1640E ⌐ BLISSYMBOL GUN
• BCI-AV-14655
• N1866-E109
• MSBI-r-180.06

1640F ˴ BLISSYMBOL SIDEWAYS CONCEPT BENEATH SKYLINE
• BCI-AV-b-18489
• N1866-E10A
• used as a radical in lexicography

16410 ℅ BLISSYMBOL SPIRAL
• BCI-AV-25616
• N1866-E107

16411 ⚲ BLISSYMBOL PLIERS
• BCI-AV-16205
• N1866-E10B

16412 ˙ BLISSYMBOL SMALL CONCEPT BELOW SKYLINE
• BCI-AV-m-18576
• used as a radical in lexicography

16413 ♌ BLISSYMBOL PEPPER
• BCI-AV-15995
• N1866-E312

16414 ˙ BLISSYMBOL SIDEWAYS SMALL CONCEPT ATOP EARTHLINE
• BCI-AV-m-18577
• used as a radical in lexicography

16415 ⊑ BLISSYMBOL SPORT BOARD
• BCI-AV-20599

Quarter Circles

16416 ⸍ BLISSYMBOL GRASS
• BCI-AV-14636
• N1866-E12E
• used as a radical in lexicography

16417 ⸌ BLISSYMBOL SEAWEED
• BCI-AV-23658

16418 ⸍⸍ BLISSYMBOL CEREAL
• BCI-AV-14625
• N1866-E12F

16419 ⸜⸜ BLISSYMBOL RICE
• BCI-AV-16505
• N1866-E014

1641A ⸝ BLISSYMBOL LAWN
• BCI-AV-15180
• N1866-E2AC

1641B ⸝⸝ BLISSYMBOL FIELD
• BCI-AV-14173
• N1866-E130

1641C ⚘ BLISSYMBOL FARM
• BCI-AV-14151
• N1866-E1FA

1641D ⸝ BLISSYMBOL REED
• BCI-AV-23942

1641E ˋ BLISSYMBOL WING ATOP SKYLINE
• BCI-AV-b-18545
• N1866-E10E
• used as a radical in lexicography

1641F ♉ BLISSYMBOL PINEAPPLE
• BCI-AV-16182
• N1866-E10F

16420 ˎ BLISSYMBOL WING
• BCI-AV-bm-18567
• N1866-E110
• used as a radical in lexicography

16421 ⋎ BLISSYMBOL WINGS
• BCI-AV-18259
• N1866-E111

16422 ⸋ BLISSYMBOL SHUTTLECOCK
• BCI-AV-25608
• N1866-E113

16423 ⋉ BLISSYMBOL RAPTOR
• BCI-AV-25267

16424 ⋊ BLISSYMBOL TALON
• BCI-AV-13355
• N1866-E114
• MSBI-r-061.10

16425 ⋔ BLISSYMBOL ANGEL
• BCI-AV-20571
• N1866-E115

16426 ⋎ BLISSYMBOL BIRD
• BCI-AV-12837
• N1866-E117

16427 ⋍ BLISSYMBOL WATERBIRD
• BCI-AV-12840
• N1866-E118

16428 ˎ BLISSYMBOL WING ATOP EARTHLINE
• BCI-AV-b-18544
• N1866-E11A
• used as a radical in lexicography

16429 ⋉ BLISSYMBOL LEAFY VEGETABLE
• BCI-AV-15200
• N1866-E11B

1642A ⚘ BLISSYMBOL CABBAGE
• BCI-AV-13101
• N1866-E0F9

1642B ˴ BLISSYMBOL TURNED GRASS BENEATH SKYLINE
• BCI-AV-b-18504
• N1866-E11C
• used as a radical in lexicography

1642C ⋏ BLISSYMBOL TREE
• BCI-AV-17775
• N1866-E11E

1642D ⋏⋏ BLISSYMBOL BRANCH
• BCI-AV-12894
• N1866-E11F
• MSBI-r-155.11

1642E ⋏ BLISSYMBOL TRUNK
• BCI-AV-17783
• N1866-E120
• MSBI-r-028.11

1642F ⋇ BLISSYMBOL CONIFER
• BCI-AV-14116
• N1866-E121

16430 ⋕ BLISSYMBOL COUNTRYSIDE
• BCI-AV-13424
• N1866-E122

16431 ⋇ BLISSYMBOL DEFORESTATION
• BCI-AV-25626

16432 ˌ BLISSYMBOL TURNED GRASS ON MIDLINE
• BCI-AV-b-18505
• N1866-E123
• used as a radical in lexicography

16433	⊼	BLISSYMBOL SHRUB
		• BCI-AV-13092
		• N1866-E124
16434	⌡	BLISSYMBOL TURNED GRASS BENEATH EARTHLINE
		• BCI-AV-b-18503
		• N1866-E125
		• used as a radical in lexicography
16435	⊐	BLISSYMBOL TAPROOT
		• BCI-AV-25783
16436	◎	BLISSYMBOL GOURD
		• BCI-AV-17244
		• N1866-E126
16437	⚲	BLISSYMBOL VEGETABLE
		• BCI-AV-18004
		• N1866-E127
16438	⚲	BLISSYMBOL CUCUMBER
		• BCI-AV-18007
		• N1866-E129
16439	⚲	BLISSYMBOL MAIZE
		• BCI-AV-13413
		• N1866-E12A
1643A	⊼	BLISSYMBOL ROOTS
		• BCI-AV-16688
		• N1866-E2A7
1643B	⊥	BLISSYMBOL ASPARAGUS
		• BCI-AV-24015
1643C	⤌	BLISSYMBOL CELERY
		• BCI-AV-13140
		• N1866-E12B
1643D	⸜	BLISSYMBOL ANTENNA
		• BCI-AV-24726
		• N1866-E12C
		• used as a radical in lexicography
1643E	⸰	BLISSYMBOL CHEESE
		• BCI-AV-13157
		• N1866-E12D

Parentheses

1643F	⌒	BLISSYMBOL SIDEWAYS PAST
		• BCI-AV-b-18523
		• N1866-E133
		• used as a radical in lexicography
16440	⊖	BLISSYMBOL FOOTBALL
		• BCI-AV-21807
16441	⊜	BLISSYMBOL SHELLFISH
		• BCI-AV-23204
		• N1866-E134
16442	⚳	BLISSYMBOL STRING INSTRUMENT
		• BCI-AV-23819
16443	⚴	BLISSYMBOL MUSICAL STRING
		• BCI-AV-23959
16444	⚵	BLISSYMBOL MUSICAL BOW
		• BCI-AV-23818
16445	⟩	BLISSYMBOL PAST
		• BCI-AV-15975
		• N1866-E135
		• MSBI-r-151.05
		• used as a radical in lexicography
16446	⟊	BLISSYMBOL PRESENT
		• BCI-AV-16246
		• N1866-E136
16447	⸗	BLISSYMBOL SIGNAL
		• BCI-AV-24750
16448	ⵙ	BLISSYMBOL CONCAVITY
		• BCI-AV-29019

16449	⸑	BLISSYMBOL FUTURE
		• BCI-AV-14417
		• N1866-E139
		• MSBI-r-157.09
		• used as a radical in lexicography
1644A	⊕	BLISSYMBOL BEAN
		• BCI-AV-12642
		• N1866-E13A
1644B	⊛	BLISSYMBOL PEA POD
		• BCI-AV-15987
		• N1866-E13B
1644C	○	BLISSYMBOL POD
		• BCI-AV-22837
1644D	∘	BLISSYMBOL CONVEXITY
		• BCI-AV-29022
1644E	⸹	BLISSYMBOL LEMON
		• BCI-AV-15190
		• N1866-E141
1644F	∞	BLISSYMBOL BUTTERFLY
		• BCI-AV-13096
		• N1866-E142
16450	⸶	BLISSYMBOL SNOWSHOE
		• BCI-AV-25613
		• N1866-E13E
16451	⸷	BLISSYMBOL LEAF
		• BCI-AV-15183
		• N1866-E13F
16452	⊂	BLISSYMBOL BODY
		• BCI-AV-12870
		• N1866-E143
16453	⊝	BLISSYMBOL CHEST
		• BCI-AV-13161
		• N1866-E144
16454	⊋	BLISSYMBOL CROTCH
		• BCI-AV-13615
		• N1866-E146
16455	⊂◻	BLISSYMBOL WAIST
		• BCI-AV-18029
		• N1866-E148
16456	⸺	BLISSYMBOL NAPE
		• BCI-AV-15700
		• N1866-E14A
16457	⊐	BLISSYMBOL SHOULDER
		• BCI-AV-16964
		• N1866-E149
		• MSBI-r-078.04
16458	⊟	BLISSYMBOL BELLY
		• BCI-AV-17265
		• N1866-E14B
16459	⊇	BLISSYMBOL GROIN
		• BCI-AV-27062
1645A	⊐	BLISSYMBOL SIDE OF BODY
		• BCI-AV-16974
		• N1866-E147
1645B	⸿	BLISSYMBOL REGURGITATION
		• BCI-AV-25590
		• MSBI-r-107.08
1645C	⸾	BLISSYMBOL ELIMINATION
		• BCI-AV-26058
1645D	⊛	BLISSYMBOL EMBRYO
		• BCI-AV-13929
		• N1866-E14C
1645E	⊜	BLISSYMBOL FOETUS
		• BCI-AV-14170
		• N1866-E14D

1645F	⊕	BLISSYMBOL CHILDBIRTH

• BCI-AV-12842
• N1866-E150

| 16460 | ⊡ | BLISSYMBOL BREAST |

• BCI-AV-c-28105

| 16461 | ⊡ | BLISSYMBOL BREASTS |

• BCI-AV-c-28106
• N1866-E145

| 16462 | ⊙ | BLISSYMBOL BODY HAIR |

• BCI-AV-26040

| 16463 | ⊙ | BLISSYMBOL MANE |

• BCI-AV-25580
• MSBI-r-014.07

| 16464 | ⊡ | BLISSYMBOL PUBIC AREA |

• BCI-AV-26042

| 16465 | ⊡ | BLISSYMBOL PUBIC HAIR |

• BCI-AV-16426
• N1866-E14E
• MSBI-r-189.02

| 16466 | ⊟ | BLISSYMBOL BODY CAVITY |

• BCI-AV-26041

| 16467 | ⊡ | BLISSYMBOL NAVEL |

• BCI-AV-24198

| 16468 | ⊡ | BLISSYMBOL UTERUS |

• BCI-AV-17994
• N1866-E14F

| 16469 | ⊛ | BLISSYMBOL VAGINA |

• BCI-AV-17996
• N1866-E151

| 1646A | ⸾ | BLISSYMBOL UNPREDICTABILITY |

• BCI-AV-25568

| 1646B | ˉ | BLISSYMBOL ROTATED AGO ATOP SKYLINE |

• BCI-AV-m-18572
• used as a radical in lexicography

| 1646C | ⬚ | BLISSYMBOL TIN CAN |

• BCI-AV-20528

| 1646D | ˏ | BLISSYMBOL AGO |

• BCI-AV-12352
• N1866-E152
• MSBI-r-005.12
• used as a radical in lexicography

| 1646E | ˟ | BLISSYMBOL NOW |

• BCI-AV-15736
• N1866-E153
• MSBI-r-154.09

| 1646F | ˋ | BLISSYMBOL LATER BENEATH SKYLINE |

• BCI-AV-m-18580
• used as a radical in lexicography

| 16470 | ˳ | BLISSYMBOL HOLINESS |

• BCI-AV-21082

| 16471 | ⬳ | BLISSYMBOL GLORY |

• BCI-AV-c-28124

| 16472 | ˋ | BLISSYMBOL LATER ON MIDLINE |

• BCI-AV-m-18581
• used as a radical in lexicography

| 16473 | ⊝ | BLISSYMBOL ORGAN |

• BCI-AV-c-28142

| 16474 | ˎ | BLISSYMBOL LATER |

• BCI-AV-17705
• N1866-E154
• MSBI-r-007.05
• used as a radical in lexicography

| 16475 | ˊ | BLISSYMBOL OLIVE |

• BCI-AV-15917
• N1866-E155

| 16476 | ˊ | BLISSYMBOL PEAR |

• BCI-AV-15986
• N1866-E156

| 16477 | ˊ | BLISSYMBOL AVOCADO |

• BCI-AV-12600
• N1866-E157

| 16478 | ⊝ | BLISSYMBOL BREAD |

• BCI-AV-12895
• N1866-E158

| 16479 | ⊜ | BLISSYMBOL TOAST |

• BCI-AV-25530
• N1866-E159

| 1647A | ⊜ | BLISSYMBOL PITA |

• BCI-AV-16190
• N1866-E15A

| 1647B | ⬚ | BLISSYMBOL BREAD ROLL |

• BCI-AV-16683
• N1866-E15B

| 1647C | ⊜ | BLISSYMBOL SLICED ROLL |

• BCI-AV-20769

| 1647D | ' | BLISSYMBOL SMALL LATER ATOP SKYLINE |

• BCI-AV-b-18514
• N1866-E15F
• used as a radical in lexicography (BRG)
→ 16309 ⊙ blissymbol head hair
→ 16463 ⊙ blissymbol mane

| 1647E | ' | BLISSYMBOL SMALL LATER ATOP MIDLINE |

• BCI-AV-m-18582
• used as a radical in lexicography

| 1647F | ˮ | BLISSYMBOL HAIR |

• BCI-AV-14660
• N1866-E160

| 16480 | . | BLISSYMBOL PIT |

• BCI-AV-16188
• N1866-E162
• used as a radical in lexicography

Squares

| 16481 | □ | BLISSYMBOL ENCLOSURE |

• BCI-AV-13934
• N1866-E163
• used as a radical in lexicography

| 16482 | ⊔ | BLISSYMBOL BOTTOM |

• BCI-AV-12881
• N1866-E164

| 16483 | ⊓ | BLISSYMBOL TOP |

• BCI-AV-17758
• N1866-E166

| 16484 | ⊡ | BLISSYMBOL CENTRE |

• BCI-AV-15464
• N1866-E167

| 16485 | ⊏ | BLISSYMBOL SIDE |

• BCI-AV-16975
• N1866-E165
• MSBI-r-167.01

| 16486 | ⊡ | BLISSYMBOL OVEN |

• BCI-AV-17273
• N1866-E168

| 16487 | ⊡ | BLISSYMBOL STOVETOP |

• BCI-AV-22577

| 16488 | ⊞ | BLISSYMBOL GRILLE |

• BCI-AV-18257
• N1866-E169

| 16489 | ▦ | BLISSYMBOL GRID |

• BCI-AV-24904

1648A ▦ BLISSYMBOL PRESSURE
• BCI-AV-23169
1648B ◉ BLISSYMBOL CAMERA
• BCI-AV-13111
• N1866-E16B
1648C ◎⃗ BLISSYMBOL PROJECTOR
• BCI-AV-16254
• N1866-E16C
• MSBI-r-132.01
1648D ◙ BLISSYMBOL SECRET
• BCI-AV-16745
• N1866-E16D
1648E ◙ BLISSYMBOL SLEEP
• BCI-AV-17008
• N1866-E16E
1648F ▣ BLISSYMBOL CASE
• BCI-AV-25532
16490 ▣ BLISSYMBOL CRUST
• BCI-AV-16954
• N1866-E16F
• MSBI-r-177.03
16491 ▢ BLISSYMBOL OUTSIDE
• BCI-AV-15942
• N1866-E171
• MSBI-r-019.04
16492 ▢ BLISSYMBOL INSIDE
• BCI-AV-14932
• N1866-E170
16493 ▨ BLISSYMBOL ENVELOPE
• BCI-AV-15198
• N1866-E172
16494 ▤ BLISSYMBOL POSTCARD
• BCI-AV-16227
• N1866-E17C
16495 ▦ BLISSYMBOL WINDOW
• BCI-AV-18256
• N1866-E173
16496 ▩ BLISSYMBOL CROSS AND SALTIRE
• BCI-AV-25631
• N1866-E175
16497 ⊠ BLISSYMBOL ALL
• BCI-AV-12360
• N1866-E174
16498 ⊟ BLISSYMBOL CHEST OF DRAWERS
• BCI-AV-13162
• N1866-E176
16499 ▤ BLISSYMBOL DRAWER
• BCI-AV-13874
• N1866-E177
• MSBI-r-112.09
1649A ▥ BLISSYMBOL BOOK
• BCI-AV-12875
• N1866-E178
1649B ▦ BLISSYMBOL CUPBOARD
• BCI-AV-13622
• N1866-E179
1649C ▣ BLISSYMBOL DIGITAL DEVICE
• BCI-AV-24638
1649D ▱ BLISSYMBOL CUBE
• BCI-AV-12886
• N1866-E17D
1649E ▨ BLISSYMBOL PATTERN
• BCI-AV-c-28143

1649F ▣ BLISSYMBOL ANSWER
• BCI-AV-12393
• N1866-E17A
164A0 ◇ BLISSYMBOL DIAMOND ON SKYLINE
• BCI-AV-b-18495
• N1866-E190
• used as a radical in lexicography
164A1 ♀ BLISSYMBOL KITE
• BCI-AV-15155
• N1866-E191
164A2 ◇ BLISSYMBOL DIAMOND
• BCI-AV-25620
• used as a radical in lexicography
164A3 ◇ BLISSYMBOL CORNER
• BCI-AV-25537
• MSBI-r-072.08
164A4 ▫ BLISSYMBOL THING BENEATH SKYLINE
• BCI-AV-b-18541
• N1866-E17E
• used as a radical in lexicography
164A5 ⊐ BLISSYMBOL SOLID
• BCI-AV-17205
• N1866-E18C
164A6 ♀ BLISSYMBOL LOLLIPOP
• BCI-AV-22365
164A7 ▫ BLISSYMBOL THING
• BCI-AV-17717
• N1866-E182
• used as a radical in lexicography
164A8 ♀ BLISSYMBOL BOTTOM OF A THING
• BCI-AV-25408
164A9 ⋈ BLISSYMBOL BACK OF A THING
• BCI-AV-25364
164AA ♂ BLISSYMBOL TOP OF A THING
• BCI-AV-25387
164AB ⋈ BLISSYMBOL FRONT OF A THING
• BCI-AV-25311
164AC ⨿ BLISSYMBOL INSTRUMENT
• BCI-AV-23904
164AD ▫ BLISSYMBOL INTERIOR
• BCI-AV-gc-28310
164AE ⊠ BLISSYMBOL ALL OF A THING
• BCI-AV-c-28101
164AF ⊠ BLISSYMBOL EVERYWHERE
• BCI-AV-gc-28305
164B0 ⊠ BLISSYMBOL RESOURCE
• BCI-AV-g-28098
164B1 ▫ BLISSYMBOL MATERIAL
• BCI-AV-15431
• N1866-E184
164B2 ▫ BLISSYMBOL SUBSTANCE
• BCI-AV-24515
164B3 ⌀ BLISSYMBOL WASTE
• BCI-AV-18043
• N1866-E185
164B4 ⌑ BLISSYMBOL BLOCK
• BCI-AV-12860
• N1866-E188
164B5 ▫ BLISSYMBOL THING ATOP EARTHLINE
• BCI-AV-b-18540
• N1866-E18B
• used as a radical in lexicography
164B6 ⌣ BLISSYMBOL SLEDGE
• BCI-AV-17007
• N1866-E18D
• MSBI-r-117.06

164B7　　BLISSYMBOL HIDDEN THING
　　　　• BCI-AV-25570

Rectangles

164B8　　BLISSYMBOL EXTENDED RECTANGLE
　　　　• BCI-AV-b-18533
　　　　• N1866-E192
　　　　• used as a radical in lexicography

164B9　　BLISSYMBOL CASSETTE
　　　　• BCI-AV-13128
　　　　• N1866-E193

164BA　　BLISSYMBOL RECTANGLE
　　　　• BCI-AV-bm-18565
　　　　• N1866-E194
　　　　• used as a radical in lexicography

164BB　　BLISSYMBOL COFFIN
　　　　• BCI-AV-21116

164BC　　BLISSYMBOL PARCEL
　　　　• BCI-AV-15966
　　　　• N1866-E195

164BD　　BLISSYMBOL CARD
　　　　• BCI-AV-23431
　　　　• N1866-E196
　　　　• used as a radical in lexicography

164BE　　BLISSYMBOL WRAPPED BAR
　　　　• BCI-AV-22371

164BF　　BLISSYMBOL METAL BAR
　　　　• BCI-AV-23150

164C0　　BLISSYMBOL MAGNETISM
　　　　• BCI-AV-25340

164C1　　BLISSYMBOL MAGNETIC FIELD
　　　　• BCI-AV-25339

164C2　　BLISSYMBOL KEYBOARD
　　　　• BCI-AV-23892

164C3　　BLISSYMBOL PAPER
　　　　• BCI-AV-15962
　　　　• used as a radical in lexicography

164C4　　BLISSYMBOL ACCOUNT
　　　　• BCI-AV-12330
　　　　• N1866-E2E3

164C5　　BLISSYMBOL TILE
　　　　• BCI-AV-24518

Open Squares

164C6　　BLISSYMBOL DOOR
　　　　• BCI-AV-13866
　　　　• N1866-E197
　　　　• used as a radical in lexicography

164C7　　BLISSYMBOL GOAL
　　　　• BCI-AV-14450
　　　　• N1866-E198

164C8　　BLISSYMBOL CURTAIN
　　　　• BCI-AV-13626
　　　　• N1866-E11D

164C9　　BLISSYMBOL SHELF
　　　　• BCI-AV-16953
　　　　• N1866-E199

164CA　　BLISSYMBOL ROOM
　　　　• BCI-AV-16687
　　　　• N1866-E19A
　　　　• MSBI-r-050.02
　　　　• used as a radical in lexicography

164CB　　BLISSYMBOL CEILING
　　　　• BCI-AV-13139
　　　　• N1866-E19B
　　　　• MSBI-r-199.06

164CC　　BLISSYMBOL FLOOR
　　　　• BCI-AV-14202
　　　　• N1866-E19C
　　　　• MSBI-r-181.12

164CD　　BLISSYMBOL FLOORING
　　　　• BCI-AV-14203
　　　　• N1866-E19D
　　　　• MSBI-r-187.10

164CE　　BLISSYMBOL WALL
　　　　• BCI-AV-18033
　　　　• N1866-E19E
　　　　• MSBI-r-174.11

164CF　　BLISSYMBOL ROOM CORNER
　　　　• BCI-AV-13414
　　　　• N1866-E19F
　　　　• MSBI-r-161.04

164D0　　BLISSYMBOL STEAM BATH
　　　　• BCI-AV-17257
　　　　• N1866-E1A0
　　　　• MSBI-r-010.12

164D1　　BLISSYMBOL SHOWER
　　　　• BCI-AV-16968
　　　　• N1866-E1A1
　　　　• MSBI-r-131.10

164D2　　BLISSYMBOL KIOSK
　　　　• BCI-AV-27081

164D3　　BLISSYMBOL PUBLIC ROOM
　　　　• BCI-AV-16430
　　　　• N1866-E1A7
　　　　• MSBI-r-050.09
　　　　• used as a radical in lexicography

164D4　　BLISSYMBOL SHOP
　　　　• BCI-AV-23223

164D5　　BLISSYMBOL OPENING
　　　　• BCI-AV-15923
　　　　• N1866-E1A2
　　　　• used as a radical in lexicography

164D6　　BLISSYMBOL FIREPLACE
　　　　• BCI-AV-14185
　　　　• N1866-E1A3

164D7　　BLISSYMBOL DISCLOSURE
　　　　• BCI-AV-gc-28303

164D8　　BLISSYMBOL WAKEFULNESS
　　　　• BCI-AV-24949
　　　　• N1866-E1A5

164D9　　BLISSYMBOL POT
　　　　• BCI-AV-22584

164DA　　BLISSYMBOL QUESTION
　　　　• BCI-AV-16445
　　　　• N1866-E1A6

164DB　　BLISSYMBOL SHORT GLASS
　　　　• BCI-AV-c-28123
　　　　• used as a radical in lexicography

164DC　　BLISSYMBOL CUP
　　　　• BCI-AV-22578

164DD　　BLISSYMBOL TEAPOT
　　　　• BCI-AV-gc-28321

164DE　　BLISSYMBOL SAUCEPAN
　　　　• BCI-AV-22579

Open Rectangles

164DF　　BLISSYMBOL CANOPY
　　　　• BCI-AV-bm-18552
　　　　• N1866-E1A8
　　　　• used as a radical in lexicography

164E0	▽	BLISSYMBOL SHIELD
		• BCI-AV-12616
		• N1866-E1A9
164E1	⊓	BLISSYMBOL TABLE
		• BCI-AV-17493
		• N1866-E1AA
		• used as a radical in lexicography
164E2	⊓	BLISSYMBOL BOARD
		• BCI-AV-12868
		• N1866-E1AB
164E3	⊓	BLISSYMBOL TABLETOP
		• BCI-AV-23673
164E4	⊓	BLISSYMBOL EDGE
		• BCI-AV-13907
		• N1866-E1AC
		• MSBI-r-176.05
164E5	⊓	BLISSYMBOL TABLE LEG
		• BCI-AV-c-28159
		• Semantography-248
164E6	⊓	BLISSYMBOL LEG END
		• BCI-AV-c-28160
		• Semantography-248
164E7	⊟	BLISSYMBOL DRUM
		• BCI-AV-23854
164E8	⊟	BLISSYMBOL MEMBRANE
		• BCI-AV-26197
164E9	⊓	BLISSYMBOL PLATFORM
		• BCI-AV-24214
164EA	⊓	BLISSYMBOL BROOM
		• BCI-AV-12908
		• N1866-E2DC
164EB	⊐	BLISSYMBOL CUBICLE
		• BCI-AV-bm-18555
		• N1866-E1B8
		• used as a radical in lexicography
164EC	⊐	BLISSYMBOL EFFECT
		• BCI-AV-13910
		• N1866-E1B9
		• MSBI-r-042.02
164ED	⊔	BLISSYMBOL CORONET
		• BCI-AV-bm-18554
		• N1866-E1B0
		• used as a radical in lexicography
164EE	⊔	BLISSYMBOL CROWN
		• BCI-AV-22618
164EF	Ψ	BLISSYMBOL BRUSH
		• BCI-AV-12912
		• N1866-E1B1
164F0	⊔	BLISSYMBOL BASE
		• BCI-AV-24120
		• N1866-E1B2
		• used as a radical in lexicography
164F1	⊔	BLISSYMBOL COMB
		• BCI-AV-13378
		• N1866-E1B3
164F2	⌣	BLISSYMBOL PAN
		• BCI-AV-16229
		• N1866-E1B4
164F3	⊓	BLISSYMBOL CROQUET
		• BCI-AV-c-28113
		• used as a radical in lexicography
164F4	⫿	BLISSYMBOL WICKET
		• BCI-AV-21809

164F5	⊔	BLISSYMBOL GLASS
		• BCI-AV-14442
		• N1866-E1B6
		• used as a radical in lexicography
164F6	⊔	BLISSYMBOL MUG
		• BCI-AV-13621
		• N1866-E1B7
164F7	⊔	BLISSYMBOL JUG
		• BCI-AV-16191
		• N1866-E347

Right Triangles

164F8	◿	BLISSYMBOL MAKING
		• BCI-AV-23583
		• N1866-E1BA
		• used as a radical in lexicography
164F9	▷	BLISSYMBOL CAUSE
		• BCI-AV-13134
		• N1866-E1BB
		• MSBI-r-145.10
		• used as a radical in lexicography
164FA	◿	BLISSYMBOL MOUNTAIN
		• BCI-AV-15663
		• N1866-E1BD
		• used as a radical in lexicography
164FB	◿	BLISSYMBOL MOUNTAIN BASE
		• BCI-AV-c-28136
		• BFU-24
		• MSBI-o-022-07
		• Semantography-411
164FC	◿	BLISSYMBOL SLOPE
		• BCI-AV-c-28152
164FD	◿	BLISSYMBOL MOUNTAIN FOOT
		• BCI-AV-c-28137
164FE	◿	BLISSYMBOL PEAK
		• BCI-AV-c-28144
164FF	◿	BLISSYMBOL PRECIPICE
		• BCI-AV-c-28147
16500	◿	BLISSYMBOL CLIFF BASE
		• BCI-AV-c-28110
16501	◿	BLISSYMBOL MINE
		• BCI-AV-15472
		• N1866-E1BE
16502	▽	BLISSYMBOL TURNED MAKING BENEATH SKYLINE
		• BCI-AV-m-18583
		• used as a radical in lexicography
16503	⊻	BLISSYMBOL WINEGLASS
		• BCI-AV-21363
16504	◺	BLISSYMBOL REVERSED MOUNTAIN
		• BCI-AV-b-18518
		• N1866-E1C0
		• used as a radical in lexicography
16505	◺◿	BLISSYMBOL MOUNTAIN AREA
		• BCI-AV-26057
16506	◺◿	BLISSYMBOL VALLEY
		• BCI-AV-17999
		• N1866-E1C1
16507	▹	BLISSYMBOL THEREFORE
		• BCI-AV-17708
		• N1866-E1BC
		• MSBI-r-096.11
		• used as a radical in lexicography
16508	⬚	BLISSYMBOL WRAPPED SWEET
		• BCI-AV-22375

16509 · BLISSYMBOL JIB
• BCI-AV-bm-18560
• used as a radical in lexicography
1650A · BLISSYMBOL SAIL
• BCI-AV-20519
• N1866-E317
1650B · BLISSYMBOL BOOM
• BCI-AV-22060
1650C · BLISSYMBOL MAST
• BCI-AV-22059
1650D · BLISSYMBOL STONE
• BCI-AV-17267
• N1866-E1BF
• used as a radical in lexicography
1650E · BLISSYMBOL LICHEN
• BCI-AV-27085

Dots

1650F · BLISSYMBOL DOT ON SKYLINE
• BCI-AV-b-18498
• N1866-E1C4
• used as a radical in lexicography
16510 · BLISSYMBOL BONE
• BCI-AV-12873
• N1866-E1C5
16511 · BLISSYMBOL SKELETON
• BCI-AV-25528
16512 · BLISSYMBOL JOINT
• BCI-AV-14973
• N1866-E1C7
16513 · BLISSYMBOL STRUCTURE
• BCI-AV-17445
• N1866-E1C6
16514 · BLISSYMBOL CONSTRUCTION JOINT
• BCI-AV-c-28128
16515 · BLISSYMBOL DOT BELOW SKYLINE
• BCI-AV-b-18497
• N1866-E1C8
• used as a radical in lexicography
16516 · BLISSYMBOL LUMP
• BCI-AV-22362
16517 · BLISSYMBOL OVER
• BCI-AV-15948
• N1866-E1C9
16518 · BLISSYMBOL DIVISION
• BCI-AV-13857
• N1866-E1CA
16519 · BLISSYMBOL TOO MUCH
• BCI-AV-c-28162
1651A · BLISSYMBOL PART
• BCI-AV-15972
• N1866-E1CB
1651B · BLISSYMBOL DOT
• BCI-AV-13867
• N1866-E1CC
• used as a radical in lexicography
1651C · BLISSYMBOL AGAIN
• BCI-AV-12350
• N1866-E1CD
1651D · BLISSYMBOL POWDER
• BCI-AV-16233
• N1866-E1D5
1651E · BLISSYMBOL BEFORE
• BCI-AV-12656
• N1866-E1D0
• MSBI-r-103.09

1651F · BLISSYMBOL AFTER
• BCI-AV-12348
• N1866-E2D1
• MSBI-r-007.04
16520 · BLISSYMBOL BETWEEN
• BCI-AV-12669
• N1866-E2D2
• MSBI-r-019.12
16521 · BLISSYMBOL DOT BELOW MIDLINE
• BCI-AV-b-18496
• N1866-E1D3
• used as a radical in lexicography
16522 · BLISSYMBOL UNDER
• BCI-AV-17969
• N1866-E292
16523 · BLISSYMBOL NOT ENOUGH
• BCI-AV-c-28140

Right Angles

16524 · BLISSYMBOL PROTECTION
• BCI-AV-16420
• N1866-E1F5
• used as a radical in lexicography
16525 · BLISSYMBOL EAVES
• BCI-AV-25598
16526 · BLISSYMBOL MARRIAGE
• BCI-AV-15425
• N1866-E1F8
16527 · BLISSYMBOL CONE
• BCI-AV-13400
• N1866-E1F9
16528 · BLISSYMBOL INSURANCE
• BCI-AV-25576
• N1866-E13D
• MSBI-r-173.10
16529 · BLISSYMBOL RELATION
• BCI-AV-mg-28180
1652A · BLISSYMBOL RELATIVE
• BCI-AV-16481
• N1866-E203
• MSBI-r-177.02
1652B · BLISSYMBOL FEMALE RELATIVE
• BCI-AV-mg-28181
1652C · BLISSYMBOL MALE RELATIVE
• BCI-AV-mg-28182
1652D · BLISSYMBOL PARENT
• BCI-AV-15968
• N1866-E1FB
1652E · BLISSYMBOL SINGLE PARENT
• BCI-AV-21090
1652F · BLISSYMBOL PARENT OF PARENT
• BCI-AV-14632
• N1866-E206
= grandparent
16530 · BLISSYMBOL PARENT OF PARTNER
• BCI-AV-mg-28183
= parent-in-law
16531 · BLISSYMBOL PARENT OF MOTHER
• BCI-AV-14630
= maternal grandparent
16532 · BLISSYMBOL PARENT OF FEMALE PARTNER
• BCI-AV-mg-28184
= parent-in-law

16533   BLISSYMBOL PARENT OF FATHER
• BCI-AV-14631
= paternal grandparent
16534   BLISSYMBOL PARENT OF MALE PARTNER
• BCI-AV-mg-28185
= parent-in-law
16535   BLISSYMBOL BIRTH
• BCI-AV-12843
• N1866-E1FC
16536   BLISSYMBOL DAUGHTER
• BCI-AV-13638
• N1866-E1FD
16537   BLISSYMBOL DAUGHTER OF PARTNER
• BCI-AV-mg-28186
= stepdaughter
16538   BLISSYMBOL DAUGHTER OF DAUGHTER
• BCI-AV-mg-28187
= granddaughter
16539   BLISSYMBOL DAUGHTER OF SISTER
• BCI-AV-mg-28188
= sororal niece
1653A   BLISSYMBOL DAUGHTER OF SON
• BCI-AV-mg-28189
= granddaughter
1653B   BLISSYMBOL DAUGHTER OF OFFSPRING
• BCI-AV-mg-28190
= granddaughter
1653C   BLISSYMBOL DAUGHTER OF SIBLING
• BCI-AV-mg-28191
• MSBI-r-006.12
= niece
1653D   BLISSYMBOL DAUGHTER OF BROTHER
• BCI-AV-mg-28192
= fraternal niece
1653E   BLISSYMBOL DAUGHTER OF FEMALE PARTNER
• BCI-AV-mg-28193
= stepdaughter
1653F   BLISSYMBOL DAUGHTER OF MALE PARTNER
• BCI-AV-mg-28194
= stepdaughter
16540   BLISSYMBOL SISTER
• BCI-AV-mg-28195
• MSBI-r-006.08
16541   BLISSYMBOL SISTER OF PARENT
• BCI-AV-12596
• N1866-E207
• MSBI-r-033.05
= aunt
16542   BLISSYMBOL SISTER OF PARTNER
• BCI-AV-mg-28196
= sister-in-law
16543   BLISSYMBOL SISTER OF MOTHER
• BCI-AV-mg-28197
= maternal aunt
16544   BLISSYMBOL SISTER OF FEMALE PARTNER
• BCI-AV-mg-28198
= sister-in-law
16545   BLISSYMBOL SISTER OF FATHER
• BCI-AV-mg-28199
= paternal aunt
16546   BLISSYMBOL SISTER OF MALE PARTNER
• BCI-AV-mg-28200
= sister-in-law

16547   BLISSYMBOL SON
• BCI-AV-17209
• N1866-E1FE
16548   BLISSYMBOL SON OF PARTNER
• BCI-AV-mg-28201
= stepson
16549   BLISSYMBOL SON OF DAUGHTER
• BCI-AV-mg-28202
= grandson
1654A   BLISSYMBOL SON OF SISTER
• BCI-AV-mg-28203
= sororal nephew
1654B   BLISSYMBOL SON OF SON
• BCI-AV-mg-28204
= grandson
1654C   BLISSYMBOL SON OF OFFSPRING
• BCI-AV-mg-28205
= grandson
1654D   BLISSYMBOL SON OF SIBLING
• BCI-AV-mg-28206
• MSBI-r-006.11
= nephew
1654E   BLISSYMBOL SON OF BROTHER
• BCI-AV-mg-28207
= fraternal nephew
1654F   BLISSYMBOL SON OF FEMALE PARTNER
• BCI-AV-mg-28208
= stepson
16550   BLISSYMBOL SON OF MALE PARTNER
• BCI-AV-mg-28209
= stepson
16551   BLISSYMBOL OFFSPRING
• BCI-AV-15912
• MSBI-r-166.03
• N1866-E1FF
16552   BLISSYMBOL OFFSPRING OF PARTNER
• BCI-AV-mg-28210
= stepchild
16553   BLISSYMBOL OFFSPRING OF DAUGHTER
• BCI-AV-mg-28211
= grandchild
16554   BLISSYMBOL OFFSPRING OF SISTER
• BCI-AV-mg-28212
= sororal niece or nephew
16555   BLISSYMBOL OFFSPRING OF SON
• BCI-AV-mg-28213
= grandchild
16556   BLISSYMBOL OFFSPRING OF OFFSPRING
• BCI-AV-mg-28214
= grandchild
16557   BLISSYMBOL OFFSPRING OF SIBLING
• BCI-AV-mg-28215
= niece or nephew
16558   BLISSYMBOL OFFSPRING OF BROTHER
• BCI-AV-mg-28216
= fraternal niece or nephew
16559   BLISSYMBOL OFFSPRING OF FEMALE PARTNER
• BCI-AV-mg-28217
= stepchild
1655A   BLISSYMBOL OFFSPRING OF MALE PARTNER
• BCI-AV-mg-28218
= stepchild
1655B   BLISSYMBOL SIBLING
• BCI-AV-mg-28219
• MSBI-r-006.09

1655C	⌂	BLISSYMBOL SIBLING OF PARENT

1655C   BLISSYMBOL SIBLING OF PARENT
• BCI-AV-mg-28220
• MSBI-r-022.01
= aunt or uncle

1655D   BLISSYMBOL SIBLING OF PARTNER
• BCI-AV-mg-28221
= sibling-in-law

1655E   BLISSYMBOL SIBLING OF MOTHER
• BCI-AV-mg-28222
= maternal aunt or uncle

1655F   BLISSYMBOL SIBLING OF FEMALE PARTNER
• BCI-AV-mg-28223
= sibling-in-law

16560   BLISSYMBOL SIBLING OF FATHER
• BCI-AV-mg-28224
= paternal aunt or uncle

16561   BLISSYMBOL SIBLING OF MALE PARTNER
• BCI-AV-mg-28225
= sibling-in-law

16562   BLISSYMBOL BROTHER
• BCI-AV-mg-28226
• MSBI-r-006.04

16563   BLISSYMBOL BROTHER OF PARENT
• BCI-AV-17967
• N1866-E208
• MSBI-r-033.04
= uncle

16564   BLISSYMBOL BROTHER OF PARTNER
• BCI-AV-mg-28227
= brother-in-law

16565   BLISSYMBOL BROTHER OF MOTHER
• BCI-AV-mg-28228
= maternal uncle

16566   BLISSYMBOL BROTHER OF FEMALE PARTNER
• BCI-AV-mg-28229
= brother-in-law

16567   BLISSYMBOL BROTHER OF FATHER
• BCI-AV-mg-28230
= paternal uncle

16568   BLISSYMBOL BROTHER OF MALE PARTNER
• BCI-AV-mg-28231
= brother-in-law

16569   BLISSYMBOL UMBRELLA
• BCI-AV-17966
• N1866-E200

1656A   BLISSYMBOL MOTHER
• BCI-AV-15662
• N1866-E201

1656B   BLISSYMBOL SINGLE MOTHER
• BCI-AV-21091

1656C   BLISSYMBOL MOTHER OF PARENT
• BCI-AV-14629
• N1866-E209
• MSBI-r-143.11
= grandmother

1656D   BLISSYMBOL MOTHER OF PARTNER
• BCI-AV-mg-28232
= mother-in-law

1656E   BLISSYMBOL MOTHER OF MOTHER
• BCI-AV-14630
• N1866-E20A
= maternal grandmother

1656F   BLISSYMBOL MOTHER OF FEMALE PARTNER
• BCI-AV-mg-28233
= mother-in-law

16570   BLISSYMBOL MOTHER OF FATHER
• BCI-AV-14631
• N1866-E20B
= paternal grandmother

16571   BLISSYMBOL MOTHER OF MALE PARTNER
• BCI-AV-mg-28234
= mother-in-law

16572   BLISSYMBOL FATHER
• BCI-AV-14157
• N1866-E202

16573   BLISSYMBOL SINGLE FATHER
• BCI-AV-21092

16574   BLISSYMBOL FATHER OF PARENT
• BCI-AV-14626
• N1866-E20C
• MSBI-r-143.04
= grandfather

16575   BLISSYMBOL FATHER OF PARTNER
• BCI-AV-mg-28235
= father-in-law

16576   BLISSYMBOL FATHER OF MOTHER
• BCI-AV-14627
• N1866-E20D
= maternal grandfather

16577   BLISSYMBOL FATHER OF FEMALE PARTNER
• BCI-AV-mg-28236
= father-in-law

16578   BLISSYMBOL FATHER OF FATHER
• BCI-AV-14628
• N1866-E20E
= paternal grandfather

16579   BLISSYMBOL FATHER OF MALE PARTNER
• BCI-AV-mg-28237
= father-in-law

1657A   BLISSYMBOL PROTECTION ATOP EARTHLINE
• BCI-AV-b-18530
• N1866-E20F
• used as a radical in lexicography

1657B   BLISSYMBOL ILLNESS
• BCI-AV-16164
• N1866-E210
• MSBI-r-051.10

1657C   BLISSYMBOL TURNED PLANE
• BCI-AV-b-18526
• N1866-E1D6
• used as a radical in lexicography

1657D   BLISSYMBOL STAMP
• BCI-AV-17248
• N1866-E1D7

1657E   BLISSYMBOL GREATER THAN
• BCI-AV-16480
• N1866-E211
• MSBI-r-066.10
• used as a radical in lexicography

1657F   BLISSYMBOL POSITION
• BCI-AV-16224
• MSBI-r-155.03

16580   BLISSYMBOL ALTERNATIVE
• BCI-AV-c-28103
• Semantography-446

16581   BLISSYMBOL PURPOSE
• BCI-AV-16437
• N1866-E212
• MSBI-r-073.03

16582　»«　BLISSYMBOL CONFLICT
• BCI-AV-gc-28299
• BCI-PD1-07

16583　⩾　BLISSYMBOL WEAKNESS
• BCI-AV-16167
• N1866-E213
• MSBI-r-056.11

16584　˅　BLISSYMBOL TURNED PROTECTION
• BCI-AV-b-18532
• N1866-E214
• used as a radical in lexicography

16585　⅄　BLISSYMBOL LIQUOR
• BCI-AV-12359
• N1866-E215

16586　∟　BLISSYMBOL PLANE
• BCI-AV-bm-18564
• N1866-E1D8
• used as a radical in lexicography

16587　∟　BLISSYMBOL RIGHT ANGLE
• BCI-AV-16674
• N1866-E1DA

16588　∟　BLISSYMBOL HORIZONTAL
• BCI-AV-23117

16589　∟　BLISSYMBOL VERTICAL
• BCI-AV-23250

1658A　∟　BLISSYMBOL SPACE
• BCI-AV-17221
• N1866-E1DB

1658B　‹　BLISSYMBOL LESS THAN
• BCI-AV-16479
• N1866-E216
• MSBI-r-066.11
• used as a radical in lexicography

1658C　«　BLISSYMBOL OPPOSITION
• BCI-AV-15928
• N1866-E217
• MSBI-r-042.07

1658D　⌐　BLISSYMBOL RIGHT
• BCI-AV-25604
• N1866-E1F1
• used as a radical in lexicography

1658E　¬　BLISSYMBOL FACE DOWN
• BCI-AV-bm-18556
• N1866-E1F2
• used as a radical in lexicography
= prone person

1658F　⌐　BLISSYMBOL KEY
• BCI-AV-15144
• N1866-E1F3
• MSBI-r-130.03

16590　⌐　BLISSYMBOL LEFT
• BCI-AV-25577
• N1866-E1F0
• used as a radical in lexicography

16591　⌐　BLISSYMBOL FACE UP
• BCI-AV-16163
• N1866-E1F4
• MSBI-r-108.02
• used as a radical in lexicography
= supine person

16592　∟　BLISSYMBOL STANDING
• BCI-AV-16166
• N1866-E1E9
• MSBI-r-102.10
• used as a radical in lexicography

16593　⌐　BLISSYMBOL BACK
• BCI-AV-12609
• N1866-E1EA
• MSBI-r-027.03

16594　∟　BLISSYMBOL BUTTOCKS
• BCI-AV-13097
• N1866-E1EB
• MSBI-r-069.07

16595　⚹　BLISSYMBOL PERINEUM
• BCI-AV-25531
• MSBI-r-055.06

16596　⌐　BLISSYMBOL FRONT
• BCI-AV-c-28122
• Semantography-532

16597　⌐　BLISSYMBOL GENITALS
• BCI-AV-14431
• N1866-E1EC
• MSBI-r-007.09

16598　⌐　BLISSYMBOL GENITAL WART
• BCI-AV-24329

16599　⌐　BLISSYMBOL ERECTION
• BCI-AV-13944
• N1866-E1ED
• MSBI-r-046.11

1659A　⌐　BLISSYMBOL MALE GENITALS
• BCI-AV-15417
• N1866-E1EE
• MSBI-r-009.11

1659B　⌐　BLISSYMBOL PENIS
• BCI-AV-15994
• N1866-E1EF
• MSBI-r-161.01

1659C　˄　BLISSYMBOL SMALL PROTECTION BENEATH SKYLINE
• BCI-AV-b-18531
• N1866-E218
• used as a radical in lexicography

1659D　⌀　BLISSYMBOL CRYSTAL
• BCI-AV-13619
• N1866-E219

1659E　ↄ　BLISSYMBOL IN EXCHANGE FOR
• BCI-AV-14381
• N1866-E21A

1659F　✿　BLISSYMBOL MAPLE
• BCI-AV-15422
• N1866-E2CE

165A0　›　BLISSYMBOL ABOUT BENEATH SKYLINE
• BCI-AV-m-18571
• used as a radical in lexicography

165A1　⸱　BLISSYMBOL ZIGZAG
• BCI-AV-25972

165A2　›　BLISSYMBOL ABOUT
• BCI-AV-12324
• N1866-E21C
• MSBI-r-003.08
• used as a radical in lexicography

165A3　˲　BLISSYMBOL AT
• BCI-AV-12591
• N1866-E21E
• MSBI-r-013.06

165A4　˲　BLISSYMBOL EITHER
• BCI-AV-13914
• N1866-E1D2
• MSBI-r-010.08

165A5	⸳	BLISSYMBOL HERE
		• BCI-AV-14708
		• N1866-E21F
		• MSBI-r-071.06
165A6	»	BLISSYMBOL FOR
		• BCI-AV-14382
		• N1866-E21D
		• MSBI-r-025.03
165A7	»	BLISSYMBOL TOWARDS
		• BCI-AV-17739
		• N1866-E220
		• MSBI-r-010.02
165A8	›	BLISSYMBOL UNTIL
		• BCI-AV-17982
		• N1866-E314
165A9	⸲	BLISSYMBOL INDIRECT OBJECT
		• BCI-AV-g-28097
165AA	⸲	BLISSYMBOL DIRECT OBJECT
		• BCI-AV-28057
165AB	⌐	BLISSYMBOL REVERSED ARM
		• BCI-AV-b-18485
		• used as a radical in Israeli lexicography
165AC	∟	BLISSYMBOL ARM
		• BCI-AV-12577
		• N1866-E1DC
		• used as a radical in lexicography
165AD	∟	BLISSYMBOL WRIST
		• BCI-AV-18284
		• N1866-E1DD
		• MSBI-r-164.12
165AE	∟	BLISSYMBOL ELBOW
		• BCI-AV-13916
		• N1866-E1DE
165AF	⊔	BLISSYMBOL MUSCLE
		• BCI-AV-20517
		• N1866-E1DF
165B0	ц	BLISSYMBOL STRENGTH
		• BCI-AV-24941
		• N1866-E1E0
165B1	ц	BLISSYMBOL HEALTH
		• BCI-AV-14690
		• N1866-E1E2
165B2	ᛏ	BLISSYMBOL MUST
		• BCI-AV-22914
		• N1866-E1E1
165B3	⊌	BLISSYMBOL SPORT
		• BCI-AV-20518
165B4	∟	BLISSYMBOL SEAT
		• BCI-AV-16165
		• N1866-E1E3
		• MSBI-r-107.07
165B5	∟	BLISSYMBOL RIDE
		• BCI-AV-25603
		• N1866-E1E4
		• MSBI-r-106.12
165B6	∟	BLISSYMBOL SIT-SKI
		• BCI-AV-25609
165B7	ᴴ	BLISSYMBOL CHAIR
		• BCI-AV-13148
		• N1866-E2E7
		• MSBI-r-074.04
165B8	ᴴ	BLISSYMBOL CHAIR LEG
		• BCI-AV-c-28107
		• Semantography-551
165B9	ᴴ	BLISSYMBOL TOILET
		• BCI-AV-17747
		• N1866-E2E8
		• MSBI-r-021.06
165BA	ᴴ	BLISSYMBOL ARMCHAIR
		• BCI-AV-12578
		• N1866-E2EA
		• MSBI-r-073.11
165BB	‹	BLISSYMBOL BY ON SKYLINE
		• BCI-AV-m-18574
		• used as a radical in lexicography
165BC	⟫	BLISSYMBOL ALTHOUGH
		• BCI-AV-12367
		• N1866-E221
		• MSBI-r-099.03
165BD	‹	BLISSYMBOL BY
		• BCI-AV-13100
		• N1866-E222
		• MSBI-r-154.11
		• used as a radical in lexicography
165BE	‹	BLISSYMBOL OR
		• BCI-AV-15929
		• N1866-E226
		• MSBI-r-003.04
165BF	⊰	BLISSYMBOL THERE
		• BCI-AV-17707
		• N1866-E1CE
		• MSBI-r-191.10
165C0	«	BLISSYMBOL AGAINST
		• BCI-AV-12351
		• N1866-E227
		• MSBI-r-137.07
165C1	⌐	BLISSYMBOL INVERTED ARM ATOP EARTHLINE
		• BCI-AV-b-18484
		• N1866-E1E5
		• used as a radical in lexicography
165C2	⌐	BLISSYMBOL STAIRS
		• BCI-AV-17247
		• N1866-E1E6
		• MSBI-o-113.12
165C3	⌐	BLISSYMBOL STEP
		• BCI-AV-24761
165C4	⸲	BLISSYMBOL SMALL TURNED ARM ATOP EARTHLINE
		• BCI-AV-b-18486
		• N1866-E1E7
		• used as a radical in lexicography
165C5	⌣	BLISSYMBOL TRAY
		• BCI-AV-17773
		• N1866-E1E8
165C6	˄	BLISSYMBOL UPWARDS POINTER
		• BCI-AV-bg-26067
		• N1866-E21B
		• used as a radical in lexicography
165C7	ˎ	BLISSYMBOL NORTHEAST POINTER
		• BCI-AV-bg-26068
165C8	›	BLISSYMBOL RIGHTWARDS POINTER
		• BCI-AV-bg-26069
165C9	ˌ	BLISSYMBOL SOUTHEAST POINTER
		• BCI-AV-bg-26070
165CA	˅	BLISSYMBOL DOWNWARDS POINTER
		• BCI-AV-26059
165CB	ˎ	BLISSYMBOL SOUTHWEST POINTER
		• BCI-AV-bg-26071

165CC	BLISSYMBOL LEFTWARDS POINTER • BCI-AV-bg-26072
165CD	BLISSYMBOL NORTHWEST POINTER • BCI-AV-bg-26073
165CE	BLISSYMBOL SMALL UPWARDS POINTER • BCI-AV-bg-26074 • used as a radical in lexicography
165CF	BLISSYMBOL SMALL NORTHEAST POINTER • BCI-AV-bg-26075
165D0	BLISSYMBOL SMALL RIGHTWARDS POINTER • BCI-AV-bg-26076
165D1	BLISSYMBOL SMALL SOUTHEAST POINTER • BCI-AV-bg-26077
165D2	BLISSYMBOL SMALL DOWNWARDS POINTER • BCI-AV-26060
165D3	BLISSYMBOL SMALL SOUTHWEST POINTER • BCI-AV-bg-26078
165D4	BLISSYMBOL SMALL LEFTWARDS POINTER • BCI-AV-bg-26079
165D5	BLISSYMBOL SMALL NORTHWEST POINTER • BCI-AV-bg-26080

Lines on a Base

165D6	BLISSYMBOL PERPENDICULAR • BCI-AV-15998 • N1866-E2DD • used as a radical in lexicography
165D7	BLISSYMBOL PERSON • BCI-AV-16161 • N1866-E228 • used as a radical in lexicography
165D8	BLISSYMBOL PERSONALITY • BCI-AV-24210
165D9	BLISSYMBOL PARTNER • BCI-AV-17237 • N1866-E22D • MSBI-r-022.02 = spouse
165DA	BLISSYMBOL PARTNER OF PARENT • BCI-AV-25812 = step-parent
165DB	BLISSYMBOL TWO-PARTNER FAMILY GROUP • BCI-AV-mg-28238 • used for the extended family
165DC	BLISSYMBOL PARTNER OF DAUGHTER • BCI-AV-mg-28239 = offspring-in-law
165DD	BLISSYMBOL PARTNER OF SISTER • BCI-AV-mg-28240 = sororal sibling-in-law
165DE	BLISSYMBOL PARTNER OF SON • BCI-AV-mg-28241 = offspring-in-law
165DF	BLISSYMBOL PARTNER OF OFFSPRING • BCI-AV-mg-28242 = offspring-in-law
165E0	BLISSYMBOL PARTNER OF SIBLING • BCI-AV-mg-28243 = sibling-in-law
165E1	BLISSYMBOL PARTNER OF BROTHER • BCI-AV-mg-28244 = fraternal sibling-in-law
165E2	BLISSYMBOL PARTNER OF MOTHER • BCI-AV-mg-28245 = maternal step-parent

165E3	BLISSYMBOL PARTNER OF FATHER • BCI-AV-mg-28246 = paternal step-parent
165E4	BLISSYMBOL TWO-PERSON FAMILY • BCI-AV-14145 • N1866-E22E
165E5	BLISSYMBOL SINGLE-PARENT FAMILY • BCI-AV-mg-28247
165E6	BLISSYMBOL TWO-PARENT FAMILY • BCI-AV-mg-28248
165E7	BLISSYMBOL TWO-PERSON COUPLE • BCI-AV-13426 • N1866-E229 • MSBI-r-045.11
165E8	BLISSYMBOL NAIL • BCI-AV-15689 • N1866-E2BB • used as a radical in lexicography
165E9	BLISSYMBOL NEED • BCI-AV-15701 • N1866-E22F • MSBI-r-141.04 • used as a radical in lexicography
165EA	BLISSYMBOL THERAPY • BCI-AV-21589 • N1866-E230
165EB	BLISSYMBOL NEUTER • BCI-AV-28056 • used as a radical in lexicography
165EC	BLISSYMBOL CONJUNCTION THAT • BCI-AV-24309
165ED	BLISSYMBOL PIN • BCI-AV-16181 • N1866-E2C4
165EE	BLISSYMBOL BUT • BCI-AV-13094 • N1866-E2C7 • MSBI-r-001.10

Crosses

165EF	BLISSYMBOL ADDITION • BCI-AV-12339 • N1866-E231 • used as a radical in lexicography
165F0	BLISSYMBOL POSSESSION • BCI-AV-24925 • N1866-E232
165F1	BLISSYMBOL MULTIPLICATION • BCI-AV-15673 • N1866-E23A • used as a radical in lexicography
165F2	BLISSYMBOL WITH • BCI-AV-18267 • N1866-E233 • used as a radical in lexicography
165F3	BLISSYMBOL PLUS • BCI-AV-12374 • N1866-E234 = and • used as a radical in lexicography
165F4	BLISSYMBOL LOW AND • BCI-AV-25596 • N1866-E235 • used as a radical in lexicography

165F5	⟂	BLISSYMBOL HAVING
		• BCI-AV-24912
		• N1866-E236
165F6	⟂	BLISSYMBOL BELONGS TO
		• BCI-AV-12663
		• N1866-E237
		• used as a radical in lexicography
165F7	×	BLISSYMBOL MUCH BENEATH SKYLINE
		• BCI-AV-b-18522
		• N1866-E23B
		• used as a radical in lexicography
165F8	⸓	BLISSYMBOL CHOICE
		• BCI-AV-13175
		• N1866-E23C
165F9	⋇	BLISSYMBOL MOST
		• BCI-AV-24944
		• N1866-E2B9
165FA	⋌	BLISSYMBOL LEAST
		• BCI-AV-c-28129
165FB	⋈	BLISSYMBOL MORE
		• BCI-AV-24879
		• N1866-E23D
165FC	⋋	BLISSYMBOL LESS
		• BCI-AV-c-28131
165FD	×	BLISSYMBOL MUCH
		• BCI-AV-14647
		• N1866-E23E
		• used as a radical in lexicography
165FE	⋉	BLISSYMBOL FEW
		• BCI-AV-c-28118
165FF	†	BLISSYMBOL CROSS
		• BCI-AV-13613
		• N1866-E238
		• used as a radical in lexicography
16600	⸸	BLISSYMBOL ACROSS
		• BCI-AV-12333
		• N1866-E239
16601	⟋	BLISSYMBOL KNIFE
		• BCI-AV-15159
		• N1866-E248
		• used as a radical in lexicography
16602	⟋`	BLISSYMBOL POINT
		• BCI-AV-16212
		• N1866-E249
16603	⟠	BLISSYMBOL SWEARING
		• BCI-AV-24962
16604	⋌⋌	BLISSYMBOL WAR
		• BCI-AV-18036
		• N1866-E23F
16605	∠	BLISSYMBOL PLOUGH
		• BCI-AV-16206
		• N1866-E24A
16606	˙	BLISSYMBOL PLURAL BENEATH SKYLINE
		• BCI-AV-b-18527
		• N1866-E241
		• used as a radical in lexicography
16607	⎸	BLISSYMBOL WAND
		• BCI-AV-18034
		• N1866-E242
16608	ˌ	BLISSYMBOL PLURAL ON MIDLINE
		• BCI-AV-b-18529
		• N1866-E243
		• used as a radical in lexicography

16609	⁎	BLISSYMBOL STAR
		• BCI-AV-17252
		• N1866-E244
1660A	．	BLISSYMBOL PLURAL ON EARTHLINE
		• BCI-AV-b-18528
		• N1866-E246
		• used as a radical in lexicography
1660B	♪	BLISSYMBOL COMET
		• BCI-AV-13384
		• N1866-E247

Isosceles Triangles

1660C	△	BLISSYMBOL CREATION ON SKYLINE
		• BCI-AV-b-18490
		• N1866-E255
		• used as a radical in lexicography
		• BRG radical was misassigned to Symmetric Acute Angles
1660D	⚠	BLISSYMBOL GOD
		• BCI-AV-14451
		• N1866-E256
1660E	⚘	BLISSYMBOL GRACE
		• BCI-AV-21040
1660F	△	BLISSYMBOL CREATION
		• BCI-AV-13607
		• N1866-E24B
		• used as a radical in lexicography
16610	✡	BLISSYMBOL STAR OF DAVID
		• BCI-AV-17251
		• N1866-E24C
		→ 2721 ✡ star of david
16611	▷	BLISSYMBOL PYRAMID
		• BCI-AV-16443
		• N1866-E24E
16612	△	BLISSYMBOL HYPOTHESIS
		• BCI-AV-25574
16613	△	BLISSYMBOL DANGER
		• BCI-AV-1363
		• N1866-E24D
16614	ᐃ	BLISSYMBOL FEMALE BENEATH SKYLINE
		• BCI-AV-b-18499
		• N1866-E24F
		• used as a radical in lexicography
16615	⌂	BLISSYMBOL ROCKET
		• BCI-AV-25614
		• N1866-E250
16616	ᐃ	BLISSYMBOL FEMALE
		• BCI-AV-14166
		• N1866-E251
		• used as a radical in lexicography
16617	ᐃ	BLISSYMBOL FEMININE
		• BCI-AV-28053
16618	▽	BLISSYMBOL TOOTH
		• BCI-AV-25822
		• N1866-E252
		• used as a radical in lexicography
16619	ᕼ	BLISSYMBOL OKRA
		• BCI-AV-25567
1661A	ᵥᵥ	BLISSYMBOL TEETH
		• BCI-AV-17517
		• N1866-E253
1661B	ᵥᵥ	BLISSYMBOL CARIES
		• BCI-AV-13138
		• N1866-E254

1661C	⚇	BLISSYMBOL DREIDEL
		• BCI-AV-17759
		• N1866-E322
1661D		BLISSYMBOL CARROT
		• BCI-AV-13124
		• N1866-E2A9

Symmetric Acute Angles

1661E	∧	BLISSYMBOL ACTION
		• BCI-AV-12334
		• N1866-E257
		• used as a radical in lexicography
1661F	⋀	BLISSYMBOL LEGS
		• BCI-AV-15189
		• N1866-E258
		• MSBI-r-179.12
		→ 130BB ⋀ egyptian hieroglyph d054
16620		BLISSYMBOL SOLE
		• BCI-AV-c-28153
		• Semantography-134
16621		BLISSYMBOL HEEL
		• BCI-AV-14700
		• N1866-E25B
		• MSBI-r-156.10
16622		BLISSYMBOL FOOT
		• BCI-AV-14379
		• N1866-E25C
		• MSBI-r-076.11
16623		BLISSYMBOL HIP
		• BCI-AV-14713
		• N1866-E259
		• MSBI-r-069.01
16624		BLISSYMBOL LEG
		• BCI-AV-15188
		• N1866-E25A
		• MSBI-r-179.10
16625		BLISSYMBOL KICKING
		• BCI-AV-25578
		• N1866-E25D
		• MSBI-r-030.07
16626		BLISSYMBOL TOE
		• BCI-AV-17745
		• N1866-E25E
		• MSBI-r-018.05
16627		BLISSYMBOL ICE SKATING
		• BCI-AV-14924
		• N1866-E260
		• MSBI-r-118.11
16628	∨	BLISSYMBOL EVALUATION
		• BCI-AV-13949
		• N1866-E261
		• used as a radical in lexicography
16629	∨	BLISSYMBOL CAPABILITY
		• BCI-AV-12322
		• MSBI-r-067.03
1662A	˄	BLISSYMBOL ACTIVITY BENEATH SKYLINE
		• BCI-AV-b-18481
		• N1866-E262
		• used as a radical in lexicography
1662B		BLISSYMBOL WORK
		• BCI-AV-18273
		• N1866-E263
1662C	◊	BLISSYMBOL LOZENGE
		• BCI-AV-25549

1662D	˄	BLISSYMBOL ACTIVITY
		• BCI-AV-12335
		• N1866-E264
		• used as a radical in lexicography
1662E		BLISSYMBOL MALE
		• BCI-AV-gc-28311
1662F		BLISSYMBOL TRANSGENDER
		• BCI-AV-27149
16630		BLISSYMBOL GENDER
		• BCI-AV-14428
		• N1866-E265
		• MSBI-r-121.07
16631		BLISSYMBOL MASCULINE
		• BCI-AV-28055
16632	˅	BLISSYMBOL VALUE
		• BCI-AV-25554
		• used as a radical in lexicography
16633	˅	BLISSYMBOL ABILITY
		• BCI-AV-25520
		• N1866-E1CF
		• MSBI-r-067.02

Animals

16634		BLISSYMBOL ANIMAL
		• BCI-AV-12378
		• N1866-E294
		• used as a radical in lexicography
16635		BLISSYMBOL PAW
		• BCI-AV-15978
		• N1866-E295
		• MSBI-r-179.11
16636		BLISSYMBOL SQUIRREL
		• BCI-AV-25521
		• N1866-E001
		• MSBI-r-148.11
16637		BLISSYMBOL AQUATIC ANIMAL
		• BCI-AV-12389
		• N1866-E296
16638		BLISSYMBOL BEAVER
		• BCI-AV-25632
		• N1866-E132
		• MSBI-r-018.07
16639		BLISSYMBOL HIPPOPOTAMUS
		• BCI-AV-14714
		• N1866-E297
		• MSBI-r-039.03
		→ 130EF 🦛 egyptian hieroglyph e025
1663A		BLISSYMBOL TURTLE
		• BCI-AV-17959
		• N1866-E0E0
		• MSBI-r-166.04
		→ 13189 ⬯ egyptian hieroglyph i002
1663B		BLISSYMBOL BISON
		• BCI-AV-12917
		• N1866-E0FF
		• MSBI-r-196.02
1663C		BLISSYMBOL CERVID
		• BCI-AV-12381
		• N1866-E298
		• MSBI-r-166.06
1663D		BLISSYMBOL SUINE
		• BCI-AV-16175
		• N1866-E106
		• MSBI-r-053.08
		→ 130DF 🐗 egyptian hieroglyph e012

1663E   BLISSYMBOL BOVID
- BCI-AV-12379
- N1866-E299
- MSBI-r-023.03
- → 130D2 🐃 egyptian hieroglyph e001

1663F   BLISSYMBOL HORN
- BCI-AV-14896
- N1866-E29A
- MSBI-r-177.10

16640   BLISSYMBOL GOAT
- BCI-AV-23097

16641   BLISSYMBOL CANINE
- BCI-AV-12380
- N1866-E10C
- MSBI-r-075.04

16642   BLISSYMBOL TAIL
- BCI-AV-17496
- N1866-E10D
- MSBI-r-047.06

16643   BLISSYMBOL FELID
- BCI-AV-12383
- N1866-E29B
- MSBI-r-060.01
- → 130E0 🐆 egyptian hieroglyph e013

16644   BLISSYMBOL CLAW
- BCI-AV-13354
- N1866-E29C
- MSBI-r-169.01

16645   BLISSYMBOL BAT
- BCI-AV-12636
- N1866-E119

16646   BLISSYMBOL FURRED ANIMAL
- BCI-AV-26054

16647   BLISSYMBOL FUR
- BCI-AV-14415
- N1866-E161
- MSBI-r-164.02

16648   BLISSYMBOL GIRAFFE
- BCI-AV-14438
- N1866-E29D
- MSBI-r-029.04
- → 130F1 🦒 egyptian hieroglyph e027

16649   BLISSYMBOL SAUROPOD
- BCI-AV-gc-28317

1664A   BLISSYMBOL DINOSAUR
- BCI-AV-23477

1664B   BLISSYMBOL SAUROPTERYGIAN
- BCI-AV-gc-28318

1664C   BLISSYMBOL ORNITHISCHIAN
- BCI-AV-gc-28312

1664D   BLISSYMBOL THEROPOD
- BCI-AV-gc-28324

1664E   BLISSYMBOL EQUINE
- BCI-AV-14897
- N1866-E29E
- MSBI-r-145.01
- → 130D7 🐎 egyptian hieroglyph e006

1664F   BLISSYMBOL CREST
- BCI-AV-25571

16650   BLISSYMBOL RUMP
- BCI-AV-25572

16651   BLISSYMBOL MUZZLE
- BCI-AV-24196

16652   BLISSYMBOL HOOF
- BCI-AV-24155

16653   BLISSYMBOL CAMELID
- BCI-AV-13885
- N1866-E0FD
- MSBI-r-030.02

16654   BLISSYMBOL CAMEL
- BCI-AV-13110
- N1866-E0FE

16655   BLISSYMBOL RHINOCEROS
- BCI-AV-16501
- N1866-E29F
- MSBI-r-177.11

16656   BLISSYMBOL UNICORN
- BCI-AV-23702

16657   BLISSYMBOL HEDGEHOG
- BCI-AV-23527
- N1866-E349
- MSBI-r-174.09

16658   BLISSYMBOL SPINY HAIR
- BCI-AV-bm-18557
- N1866-E34A

16659   BLISSYMBOL INSECT
- BCI-AV-14943
- N1866-E266
- used as a radical in lexicography

1665A   BLISSYMBOL BEETLE
- BCI-AV-12655
- N1866-E0DF

1665B   BLISSYMBOL FLY
- BCI-AV-14371
- N1866-E116

Asymmetric Acute Angles

1665C   BLISSYMBOL ANGLE
- BCI-AV-12376
- N1866-E339
- used as a radical in lexicography

1665D   BLISSYMBOL HAND
- BCI-AV-14667
- N1866-E274
- used as a radical in lexicography

1665E   BLISSYMBOL THUMB
- BCI-AV-17726
- N1866-E275

1665F   BLISSYMBOL FINGER
- BCI-AV-14180
- N1866-E276

16660   BLISSYMBOL UTENSIL
- BCI-AV-22561

16661   BLISSYMBOL TOOL
- BCI-AV-17755
- N1866-E277

16662   BLISSYMBOL FLIPPER
- BCI-AV-gc-28307

16663   BLISSYMBOL POINTING
- BCI-AV-23619
- N1866-E273
- MSBI-r-087.10
- used as a radical in lexicography

16664   BLISSYMBOL BARB
- BCI-AV-bm-18551
- N1866-E278
- used as a radical in lexicography

16665   BLISSYMBOL OPPOSITE
- BCI-AV-15927
- N1866-E279

16666 ∠ BLISSYMBOL NOSE
• BCI-AV-15732
• N1866-E27A
• used as a radical in lexicography
16667 ∠ BLISSYMBOL ODOUR
• BCI-AV-17017
• N1866-E27B
16668 ⌐ BLISSYMBOL ELECTROMAGNETIC RADIATION
• BCI-AV-13922
• N1866-E32F
16669 ⊚ BLISSYMBOL ENERGY
• BCI-AV-13936
• N1866-E330
1666A ⊡ BLISSYMBOL FUEL
• BCI-AV-14412
• N1866-E331
1666B ⊡ BLISSYMBOL MICROWAVE
• BCI-AV-15463
• N1866-E332
1666C ⋏ BLISSYMBOL POWER
• BCI-AV-16234
• N1866-E333
1666D ⋈ BLISSYMBOL FIGHT
• BCI-AV-24855
• N1866-E31A
1666E ∠ BLISSYMBOL SMALL ANGLE BENEATH SKYLINE
• BCI-AV-b-18482
• N1866-E271
• used as a radical in lexicography
1666F ⌁ BLISSYMBOL ELECTRICITY
• BCI-AV-13918
• N1866-E272
16670 ⌁ BLISSYMBOL ELECTRIC FIELD
• BCI-AV-25290

Horizontal Lines

16671 ▬ BLISSYMBOL LARGE GROUND
• BCI-AV-b-18507
• N1866-E27C
• used as a radical in lexicography
16672 ▃ BLISSYMBOL THOROUGHFARE
• BCI-AV-26061
16673 ▃ BLISSYMBOL ROAD
• BCI-AV-16678
• N1866-E27D
• MSBI-r-072.01
16674 — BLISSYMBOL EXTENDED SUBTRACTION
• BCI-AV-b-18539
• N1866-E27E
• used as a radical in lexicography (BRG)
→ 16315 ⊖ blissymbol planet
16675 — BLISSYMBOL EXTENDED GROUND
• BCI-AV-b-18506
• N1866-E280
• used as a radical in lexicography
16676 ⌐ BLISSYMBOL WORM
• BCI-AV-18279
• N1866-E281
16677 ⁻ BLISSYMBOL SKY
• BCI-AV-17006
• N1866-E282
• used as a radical in lexicography

16678 ≅ BLISSYMBOL ENVIRONMENT
• BCI-AV-13942
• N1866-E284
16679 ⁊ BLISSYMBOL AIR
• BCI-AV-12356
• N1866-E28A
1667A ⁊ BLISSYMBOL HUMIDITY
• BCI-AV-23886
1667B ⁊ BLISSYMBOL WIND
• BCI-AV-18255
• N1866-E28B
• MSBI-r-180.07
1667C ⁊ BLISSYMBOL LIGHTNING
• BCI-AV-15209
• N1866-E289
1667D = BLISSYMBOL WORLD
• BCI-AV-18278
• N1866-E287
1667E ⊥ BLISSYMBOL DIGITAL WORLD
• BCI-AV-25552
1667F ∑ BLISSYMBOL BLISSYMBOL
• BCI-AV-12857
• N1866-E288
16680 ⅀ BLISSYMBOL BLISS-NAME
• BCI-AV-21624
16681 – BLISSYMBOL SUBTRACTION
• BCI-AV-17449
• N1866-E28C
• used as a radical in lexicography
16682 ⋏ BLISSYMBOL TRUMPET
• BCI-AV-14895
• N1866-E2A0
• MSBI-r-058.06
16683 ⌣ BLISSYMBOL HOOK
• BCI-AV-14891
• N1866-E2A1
16684 ⊼ BLISSYMBOL WEIGHT
• BCI-AV-18221
• N1866-E293
16685 ⊓ BLISSYMBOL TRACK
• BCI-AV-23690
16686 — BLISSYMBOL GROUND
• BCI-AV-13901
• N1866-E2A2
• used as a radical in lexicography
16687 ⊥ BLISSYMBOL PLACE
• BCI-AV-16193
• N1866-E2A3
16688 ⌣ BLISSYMBOL SHORE
• BCI-AV-12640
• N1866-E2AF
• MSBI-r-052.06
16689 ⇀ BLISSYMBOL SEAWARDS
• BCI-AV-25527
1668A ↼ BLISSYMBOL LANDWARDS
• BCI-AV-25544
1668B ⌣ BLISSYMBOL INLET
• BCI-AV-22625
1668C △ BLISSYMBOL PUBLIC BUILDING
• BCI-AV-26063
1668D △ BLISSYMBOL STREET
• BCI-AV-17441
• N1866-E2B0
• MSBI-r-181.05

1668E	⌣	BLISSYMBOL SKI
		• BCI-AV-25610
		• N1866-E2B1
		• MSBI-r-112.11
1668F	⊿	BLISSYMBOL FOOTHILL
		• BCI-AV-c-28120
16690	⊿	BLISSYMBOL PLAIN
		• BCI-AV-c-28146
16691	�添	BLISSYMBOL UNDERGROUND
		• BCI-AV-25628
16692	⎁	BLISSYMBOL SEED
		• BCI-AV-16749
		• N1866-E2A8
16693	⊒	BLISSYMBOL GRAVE
		• BCI-AV-14638
		• N1866-E2AA
		• MSBI-r-172.07
16694	⁻	BLISSYMBOL MINUS ON SKYLINE
		• BCI-AV-b-18516
		• N1866-E2B3
		• used as a radical in lexicography
16695	⚢	BLISSYMBOL TEEN GIRL
		• BCI-AV-gc-28323
16696	⚣	BLISSYMBOL TEEN BOY
		• BCI-AV-gc-28322
16697	⚥	BLISSYMBOL TEENAGER
		• BCI-AV-17516
		• N1866-E2B5
16698	⚥	BLISSYMBOL ADULT
		• BCI-AV-12341
		• N1866-E2B4
16699	⩵	BLISSYMBOL HEIGHT
		• BCI-AV-24909
		• N1866-E2BA
1669A	≡	BLISSYMBOL STAFF
		• BCI-AV-23955
1669B	≣	BLISSYMBOL SOPRANO
		• BCI-AV-23952
1669C	≣	BLISSYMBOL ALTO
		• BCI-AV-23803
1669D	≣	BLISSYMBOL PITCH
		• BCI-AV-23929
1669E	≣	BLISSYMBOL TENOR
		• BCI-AV-23966
1669F	≣	BLISSYMBOL BASS
		• BCI-AV-23809
166A0	⚊	BLISSYMBOL LARGENESS
		• BCI-AV-24875
		• N1866-E2B7
166A1	⚊	BLISSYMBOL SHOVEL
		• BCI-AV-16966
		• N1866-E2BC
166A2	⚊	BLISSYMBOL EXCAVATION
		• BCI-AV-25550
		• N1866-E2BD
166A3	⚌	BLISSYMBOL SCALE
		• BCI-AV-24806
166A4	⚌	BLISSYMBOL TEMPERATURE
		• BCI-AV-17520
		• N1866-E2B8
166A5	⁻	BLISSYMBOL MINUS BELOW SKYLINE
		• BCI-AV-b-18515
		• N1866-E2BE
		• used as a radical in lexicography
166A6	⚌	BLISSYMBOL TOLERANCE
		• BCI-AV-25595

166A7	⚌	BLISSYMBOL SAMENESS
		• BCI-AV-16713
		• N1866-E2BF
166A8	≡	BLISSYMBOL LAYER
		• BCI-AV-25748
166A9	≣	BLISSYMBOL SURFACE
		• BCI-AV-c-28158
166AA	≠	BLISSYMBOL DIFFERENCE
		• BCI-AV-13675
		• N1866-E2C0
166AB	-	BLISSYMBOL MINUS
		• BCI-AV-15474
		• N1866-E2C1
		= without
		• used as a radical in lexicography
166AC	⇐	BLISSYMBOL ROLLING PIN
		• BCI-AV-22592
166AD	≡	BLISSYMBOL NOWHERE
		• BCI-AV-15737
		• N1866-E2C2
166AE	≡	BLISSYMBOL LOWNESS
		• BCI-AV-24918
		• N1866-E2C3
166AF	⚍	BLISSYMBOL SMALLNESS
		• BCI-AV-24917
		• N1866-E2C5
166B0	⌐	BLISSYMBOL BREAK
		• BCI-AV-24852
		• N1866-E2C8
		• MSBI-r-107.06
166B1	⚍	BLISSYMBOL DIMINUTIVE
		• BCI-AV-28052
166B2	⎽	BLISSYMBOL ENVIRONS
		• BCI-AV-26165
		• N1866-E2C9
		• used as a radical in lexicography
166B3	⎿	BLISSYMBOL ON
		• BCI-AV-15918
		• N1866-E2CA
166B4	⌒	BLISSYMBOL BRIDGE
		• BCI-AV-12902
		• N1866-E2CB
166B5	⌣	BLISSYMBOL HOLE
		• BCI-AV-14883
		• N1866-E2CC
166B6	·	BLISSYMBOL SMALL MINUS BELOW SKYLINE
		• BCI-AV-b-18517
		• N1866-E2CD
		• used as a radical in lexicography (BRG)
		→ 1659F ✿ blissymbol maple

Vertical Lines

166B7	⏐	BLISSYMBOL LINE
		• BCI-AV-15214
		• N1866-E2CF
		• used as a radical in lexicography
166B8	⏐	BLISSYMBOL STRING
		• BCI-AV-23958
166B9	⏐	BLISSYMBOL SCREW
		• BCI-AV-16739
		• N1866-E2D0
166BA	⎔	BLISSYMBOL INTERVAL
		• BCI-AV-15212
		• N1866-E2DF

166BB	☉	BLISSYMBOL DURING
		• BCI-AV-13892
166BC	ꭟ	BLISSYMBOL NEEDLE
		• BCI-AV-15703
		• N1866-E2E1
166BD	ꭐ	BLISSYMBOL FLAG
		• BCI-AV-14193
		• N1866-E315
166BE	ꭤ	BLISSYMBOL COUNTRY
		• BCI-AV-13423
		• N1866-E316
166BF	ꞁꞁ	BLISSYMBOL ATTACHMENT
		• BCI-AV-23409
		• N1866-E2D3
166C0	ꬶ	BLISSYMBOL VOLTAGE
		• BCI-AV-25396
166C1	⊢⊣	BLISSYMBOL BED
		• BCI-AV-12649
		• N1866-E2EB
166C2	⋈	BLISSYMBOL MATTRESS
		• BCI-AV-c-28134
		• Semantography-446
166C3	ꭗ	BLISSYMBOL PILLOW
		• BCI-AV-16177
		• N1866-E2EC
166C4	ꭦ	BLISSYMBOL HEADBOARD
		• BCI-AV-c-28127
166C5	ꟼ	BLISSYMBOL LADDER
		• BCI-AV-15166
		• N1866-E320
166C6	⊢⊣	BLISSYMBOL DETACHMENT
		• BCI-AV-25548
166C7	ꞁꞁ	BLISSYMBOL DIGITAL SPACE
		• BCI-AV-25551
166C8	⌐	BLISSYMBOL SELF
		• BCI-AV-16752
		• N1866-E361
		• MSBI-r-156.09
166C9	⌐	BLISSYMBOL OTHER
		• BCI-AV-15938
		• N1866-E2D5
		• MSBI-r-007.01
166CA	‖	BLISSYMBOL PARALLEL
		• BCI-AV-15964
		• N1866-E2D4
166CB	‖	BLISSYMBOL BESIDE
		• BCI-AV-27010
166CC	‖	BLISSYMBOL REPETITION
		• BCI-AV-24934
		• N1866-E2D6
166CD	⊣⊢	BLISSYMBOL THINNESS
		• BCI-AV-25622
		• N1866-E2D7
166CE	⊔	BLISSYMBOL DEPTH
		• BCI-AV-25546
		• N1866-E2D9
166CF	⊓	BLISSYMBOL NARROWNESS
		• BCI-AV-c-28139
166D0	⊔	BLISSYMBOL TUBE
		• BCI-AV-23926
166D1	ꭱ	BLISSYMBOL RECORDER
		• BCI-AV-23871
166D2	ꭲ	BLISSYMBOL TUBE CONTAINER
		• BCI-AV-23927

166D3	⊥⊥	BLISSYMBOL LIMITATION
		• BCI-AV-25579
		• N1866-E2D8
166D4	⊥⊥	BLISSYMBOL THICKNESS
		• BCI-AV-25560
		• N1866-E2DA
166D5	⊢⊣	BLISSYMBOL WIDENESS
		• BCI-AV-25634
		• N1866-E2DB
166D6	ꞁ	BLISSYMBOL EXTENDED IT BENEATH SKYLINE
		• BCI-AV-b-18510
		• N1866-E2E2
		• used as a radical in lexicography
		→ 164C4 ꞁ blissymbol account
166D7	ꞁ	BLISSYMBOL EXTENDED IT ATOP EARTHLINE
		• BCI-AV-b-18509
		• N1866-E2E4
		• used as a radical in lexicography (BRG)
		→ 163F7 ꞁ blissymbol commandment
166D8	ꞁ	BLISSYMBOL IT BENEATH SKYLINE
		• BCI-AV-b-18508
		• N1866-E2E6
		• used as a radical in lexicography
166D9	ꭰ	BLISSYMBOL BOTTLE
		• BCI-AV-12880
		• N1866-E2ED
166DA	ꭰ	BLISSYMBOL BOTTLENECK
		• BCI-AV-25529
166DB	⅄	BLISSYMBOL WOMAN
		• BCI-AV-18269
		• N1866-E2EE
166DC	⅄	BLISSYMBOL SKIRT
		• BCI-AV-25636
		• MSBI-r-058.05
166DD	ꭸ	BLISSYMBOL FEMALE PARTNER
		• BCI-AV-mg-28249
		• N1866-E204
		• MSBI-r-015.03
		= wife
166DE	ꭸꜛ	BLISSYMBOL FEMALE PARTNER OF PARENT
		• BCI-AV-mg-28250
		= stepmother
166DF	ꭸꜜ	BLISSYMBOL FEMALE PARTNER OF DAUGHTER
		• BCI-AV-mg-28251
		= daughter-in-law
166E0	ꭸꜜ	BLISSYMBOL FEMALE PARTNER OF SISTER
		• BCI-AV-mg-28252
		= sororal sister-in-law
166E1	ꭸꜛ	BLISSYMBOL FEMALE PARTNER OF SON
		• BCI-AV-mg-28253
		= daughter-in-law
166E2	ꭸꜜ	BLISSYMBOL FEMALE PARTNER OF OFFSPRING
		• BCI-AV-mg-28254
		= daughter-in-law
166E3	ꭸꜟ	BLISSYMBOL FEMALE PARTNER OF SIBLING
		• BCI-AV-mg-28255
		= sister-in-law
166E4	ꭸꜝ	BLISSYMBOL FEMALE PARTNER OF BROTHER
		• BCI-AV-mg-28256
		= fraternal sister-in-law
166E5	ꭸꜛ	BLISSYMBOL FEMALE PARTNER OF MOTHER
		• BCI-AV-mg-28257
		= maternal stepmother

166E6 ᾼ BLISSYMBOL TWO-WOMAN FAMILY GROUP
• BCI-AV-mg-28258
• used for the extended family

166E7 ᾽ BLISSYMBOL FEMALE PARTNER OF FATHER
• BCI-AV-mg-28259
• N1866-E205
• MSBI-r-010.09
= paternal stepmother

166E8 ᾽ BLISSYMBOL SINGLE-MOTHER FAMILY
• BCI-AV-mg-28260

166E9 ᾽ BLISSYMBOL TWO-MOTHER FAMILY
• BCI-AV-25712

166EA ᾽ BLISSYMBOL TWO-WOMAN FAMILY
• BCI-AV-25710
• N1866-E2F3

166EB ᾽ BLISSYMBOL TWO-WOMAN COUPLE
• BCI-AV-25540
• N1866-E2EF
• MSBI-r-101.03

166EC ᾽ BLISSYMBOL MAN
• BCI-AV-15416
• N1866-E2F4

166ED ᾽ BLISSYMBOL MALE PARTNER
• BCI-AV-14914
• N1866-E2F9
• MSBI-r-022.10
= husband

166EE ᾽ BLISSYMBOL MALE PARTNER OF PARENT
• BCI-AV-mg-28261
= stepfather

166EF ᾽ BLISSYMBOL MALE PARTNER OF DAUGHTER
• BCI-AV-mg-28262
= son-in-law

166F0 ᾽ BLISSYMBOL MALE PARTNER OF SISTER
• BCI-AV-mg-28263
= sororal brother-in-law

166F1 ᾽ BLISSYMBOL MALE PARTNER OF SON
• BCI-AV-mg-28264
= son-in-law

166F2 ᾽ BLISSYMBOL MALE PARTNER OF OFFSPRING
• BCI-AV-mg-28265
= son-in-law

166F3 ᾽ BLISSYMBOL MALE PARTNER OF SIBLING
• BCI-AV-mg-28266
= brother-in-law

166F4 ᾽ BLISSYMBOL MALE PARTNER OF BROTHER
• BCI-AV-mg-28267
= fraternal brother-in-law

166F5 ᾽ BLISSYMBOL MALE PARTNER OF MOTHER
• BCI-AV-17260
• N1866-E2FC
• MSBI-r-001.03
= maternal stepfather

166F6 ᾽ BLISSYMBOL MAN-WOMAN FAMILY GROUP
• BCI-AV-14144
• N1866-E2FD
• MSBI-r-134.06
• used for the extended family

166F7 ᾽ BLISSYMBOL MALE PARTNER OF FATHER
• BCI-AV-mg-28268
= paternal stepfather

166F8 ᾽ BLISSYMBOL TWO-MAN FAMILY GROUP
• BCI-AV-mg-28269
• used for the extended family

166F9 ᾽ BLISSYMBOL SINGLE-FATHER FAMILY
• BCI-AV-mg-28270

166FA ᾽ BLISSYMBOL FATHER-MOTHER FAMILY
• BCI-AV-20572

166FB ᾽ BLISSYMBOL TWO-FATHER FAMILY
• BCI-AV-25713

166FC ᾽ BLISSYMBOL MAN-WOMAN FAMILY
• BCI-AV-13427
• N1866-E2FA
• MSBI-r-046.01

166FD ᾽ BLISSYMBOL TWO-MAN FAMILY
• BCI-AV-25711
• N1866-E2FB

166FE ᾽ BLISSYMBOL TRANSGENDER PERSON
• BCI-AV-27150

166FF ᾽ BLISSYMBOL CITIZEN
• BCI-AV-13349
• N1866-E2F8

16700 ᾽ BLISSYMBOL MAN-WOMAN COUPLE
• BCI-AV-13425
• N1866-E2FE
• MSBI-r-045.10

16701 ᾽ BLISSYMBOL TWO-MAN COUPLE
• BCI-AV-25541
• N1866-E2FF
• MSBI-o-038.01

16702 ᾽ BLISSYMBOL KNEELING
• BCI-AV-16162
• N1866-E303
• MSBI-r-097.01

16703 ᾽ BLISSYMBOL ANKLE
• BCI-AV-12391
• N1866-E304
• MSBI-r-177.12

16704 ᾽ BLISSYMBOL KNEE
• BCI-AV-15157
• N1866-E305
• MSBI-r-024.10

16705 ᾽ BLISSYMBOL MENORAH
• BCI-AV-15454
• N1866-E306

16706 ᾽ BLISSYMBOL IT ON MIDLINE
• BCI-AV-b-18511
• N1866-E307
• used as a radical in lexicography

16707 ᾽ BLISSYMBOL INJECTION
• BCI-AV-14941
• N1866-E30F
• MSBI-r-048.02

16708 ᾽ BLISSYMBOL HYPODERMIC
• BCI-AV-25573
• N1866-E310

16709 ᾽ BLISSYMBOL LENGTH
• BCI-AV-15193
• N1866-E30D

1670A ᾽ BLISSYMBOL MEASUREMENT
• BCI-AV-15443
• N1866-E30E

1670B ᾽ BLISSYMBOL AVERAGE
• BCI-AV-c-28104

1670C ᾽ BLISSYMBOL SHORTNESS
• BCI-AV-24938
• N1866-E311

1670D   BLISSYMBOL FROM
- BCI-AV-14403
- N1866-E30B
- MSBI-r-126.01

1670E   BLISSYMBOL NEARNESS
- BCI-AV-25586
- N1866-E308

1670F   BLISSYMBOL AWAY
- BCI-AV-25522
- N1866-E309
- MSBI-r-041.08

16710   BLISSYMBOL REMOTENESS
- BCI-AV-25559
- N1866-E30A

16711   BLISSYMBOL IT
- BCI-AV-14960
- N1866-E313
- used as a radical in lexicography

16712   BLISSYMBOL IMPRINT
- BCI-AV-25575
- N1866-E31B

16713   BLISSYMBOL SHALLOWNESS
- BCI-AV-25606
- N1866-E319

16714   BLISSYMBOL SMALL IT ATOP SKYLINE
- BCI-AV-b-18513
- N1866-E31C
- used as a radical in lexicography

16715   BLISSYMBOL ETROG
- BCI-AV-13946
- N1866-E31D

16716   BLISSYMBOL MEGILLAH
- BCI-AV-15451
- N1866-E31E

16717   BLISSYMBOL TORAH
- BCI-AV-17760
- N1866-E31F

16718   BLISSYMBOL SMALL IT ATOP MIDLINE
- BCI-AV-b-18512
- N1866-E321
- used as a radical in lexicography

16719   BLISSYMBOL DIGITS
- BCI-AV-23476

Slanted Lines

1671A   BLISSYMBOL SLANTED LINE ATOP EARTHLINE
- BCI-AV-b-18534
- N1866-E323
- used as a radical in lexicography
- diagonal of vertical rectangle

1671B   BLISSYMBOL HELP
- BCI-AV-14704
- N1866-E324
- MSBI-r-153.01

1671C   BLISSYMBOL ROTATED SLANTED LINE
- BCI-AV-b-18536
- N1866-E32E
- used as a radical in lexicography

1671D   BLISSYMBOL ROTOR
- BCI-AV-25362

1671E   BLISSYMBOL REVERSED SLANTED LINE
- BCI-AV-b-18535
- N1866-E325
- used as a radical in lexicography

1671F   BLISSYMBOL SPORT STICK
- BCI-AV-17235
- N1866-E326
- MSBI-r-131.08

16720   BLISSYMBOL PUCK HOCKEY
- BCI-AV-25619
- N1866-E327

16721   BLISSYMBOL BALL HOCKEY
- BCI-AV-25618
- N1866-E328
- MSBI-r-028.06

16722   BLISSYMBOL ROTATED REVERSED SLANTED LINE
- BCI-AV-b-18537
- N1866-E32B
- used as a radical in lexicography

16723   BLISSYMBOL SEESAW
- BCI-AV-16751
- N1866-E32D

16724   BLISSYMBOL RAMP
- BCI-AV-23629

16725   BLISSYMBOL SMALL REVERSED SLANTED LINE
- BCI-AV-b-18538
- N1866-E329
- used as a radical in lexicography (BRG)
- → 16402 ⌂ blissymbol handbag

Diagonal lines

16726   BLISSYMBOL EXTENDED DESTRUCTION
- BCI-AV-b-18491
- N1866-E334
- used as a radical in lexicography

16727   BLISSYMBOL SAW
- BCI-AV-16727
- N1866-E335

16728   BLISSYMBOL DESTRUCTION ON SKYLINE
- BCI-AV-b-18492
- N1866-E336
- used as a radical in lexicography (BRG)
- → 162C2 ⛟ blissymbol tank

16729   BLISSYMBOL DESTRUCTION
- BCI-AV-24883
- N1866-E338
- used as a radical in lexicography
- diagonal of square

1672A   BLISSYMBOL COMPASS
- BCI-AV-c-28111

1672B   BLISSYMBOL CHEMICAL
- BCI-AV-gc-28297
- Semantography-508

1672C   BLISSYMBOL PRODUCT
- BCI-AV-13158
- N1866-E33B

1672D   BLISSYMBOL BIOCHEMICAL
- BCI-AV-25525

1672E   BLISSYMBOL PLASTIC
- BCI-AV-gc-28313
- Semantography-508

1672F   BLISSYMBOL PEN
- BCI-AV-15991
- N1866-E344
- used as a radical in lexicography

16730 ⟋ BLISSYMBOL SMALL EXTENDED
DESTRUCTION ATOP EARTHLINE
• BCI-AV-b-18494
• N1866-E33C
• used as a radical in lexicography

16731 ⟋ BLISSYMBOL HAMMER
• BCI-AV-14666
• N1866-E33E

16732 ⚒ BLISSYMBOL FORK
• BCI-AV-28308
• N1866-E33D

16733 ⟋ BLISSYMBOL SMALL DESTRUCTION BENEATH
SKYLINE
• BCI-AV-m-18579
• used as a radical in lexicography

16734 ⟋ BLISSYMBOL OAR
• BCI-AV-22067

16735 ⟋ BLISSYMBOL PADDLE
• BCI-AV-22068

16736 ⟋ BLISSYMBOL SMALL DESTRUCTION ATOP
EARTHLINE
• BCI-AV-b-18493
• N1866-E341
• used as a radical in lexicography

16737 ⌐ BLISSYMBOL SPOON
• BCI-AV-17233
• N1866-E342

16738 ⌐ BLISSYMBOL RACQUET
• BCI-AV-16452
• N1866-E343

16739 ⌐⌐ BLISSYMBOL TENNIS
• BCI-AV-25542
• N1866-E096

1673A ⟍ BLISSYMBOL SMALL PEN BENEATH SKYLINE
• BCI-AV-b-18525
• N1866-E345
• used as a radical in lexicography

1673B ⊓ BLISSYMBOL EASY CHAIR
• BCI-AV-c-28117
• Semantography-464

1673C ⊓ BLISSYMBOL COUCH
• BCI-AV-13419
• N1866-E346
• MSBI-r-149.03

1673D Y BLISSYMBOL FUNNEL
• BCI-AV-22574

1673E ⟍ BLISSYMBOL SMALL PEN ATOP EARTHLINE
• BCI-AV-b-18524
• N1866-E34D
• used as a radical in lexicography

1673F ⌣ BLISSYMBOL DISH
• BCI-AV-13690
• N1866-E350

16740 ⌣ BLISSYMBOL SOUP
• BCI-AV-17218
• N1866-E34E

16741 ⌣ BLISSYMBOL PUDDING
• BCI-AV-22307

16742 ⌣ BLISSYMBOL MUESLI
• BCI-AV-13145
• N1866-E351

16743 ⌣ BLISSYMBOL SALAD
• BCI-AV-16709
• N1866-E34F

16744 ⌣ BLISSYMBOL PANCAKE
• BCI-AV-23603

16745 ⟋ BLISSYMBOL THE
• BCI-AV-17700
• N1866-E33F
• used as a radical in lexicography

16746 ⟋ BLISSYMBOL THIS
• BCI-AV-17720
• N1866-E340

16747 ⟋ BLISSYMBOL THAT
• BCI-AV-17697
• N1866-E1D4

16748 ⟍ BLISSYMBOL ANY
• BCI-AV-12321
• N1866-E34B
• used as a radical in lexicography

16749 ⌣ BLISSYMBOL ANYWHERE
• BCI-AV-12402
• N1866-E34C

1674A ⌣ BLISSYMBOL QUILL
• BCI-AV-23627

Mark-like Blissymbols

1674B ˌ BLISSYMBOL MINUTE
• BCI-AV-08489

1674C ˌ BLISSYMBOL SECOND
• BCI-AV-gm-09037

1674D ˌ BLISSYMBOL RELATIVIZER
• BCI-AV-16482
• N1866-E353
• used as a radical in lexicography

1674E ⌣ BLISSYMBOL RELATIVE WHERE
• BCI-AV-18236
• N1866-E354

1674F ? BLISSYMBOL WHAT
• BCI-AV-18229
• N1866-E355
• used as a radical in lexicography
• interrogative

16750 ⌣ BLISSYMBOL WHERE
• BCI-AV-18237
• N1866-E356
• interrogative

16751 ˌ BLISSYMBOL INTENSITY
• BCI-AV-14947
• N1866-E357
• used as a radical in lexicography

Punctuation

16752 . BLISSYMBOL FULL STOP
• BCI-AV-08486
• N1866-E1D4
• N1866-E358
• used as a radical in lexicography
→ 002E . full stop

16753 ˌ BLISSYMBOL COMMA
• BCI-AV-08487
• N1866-E359
→ 002C , comma

16754 ˌ BLISSYMBOL COLON
• BCI-AV-08488
• N1866-E35A
• used as a radical in lexicography
→ 003A : colon

16755   ;   BLISSYMBOL SEMICOLON
   • BCI-AV-gm-09038
   • N1866-E35B
   → 003B ; semicolon

16756   ?   BLISSYMBOL QUESTION MARK
   • BCI-AV-08485
   • N1866-E35C
   • used as a radical in lexicography
   → 003F ? question mark

16757   !   BLISSYMBOL EXCLAMATION MARK
   • BCI-AV-08483
   • N1866-E35D
   • used as a radical in lexicography
   → 0021 ! exclamation mark

16758   '   BLISSYMBOL SINGLE HIGH-6 QUOTATION MARK
   • BCI-AV-gm-09034
   → 2018 ' left single quotation mark

16759   '   BLISSYMBOL SINGLE HIGH-9 QUOTATION MARK
   • BCI-AV-gm-09035
   • = apostrophe
   → 2019 ' right single quotation mark

1675A   ,   BLISSYMBOL SINGLE LOW-9 QUOTATION MARK
   • BCI-AV-gm-09036
   → 2019 ' right single quotation mark

1675B   "   BLISSYMBOL DOUBLE HIGH-6 QUOTATION MARK
   • BCI-AV-gm-09031
   → 201C " left double quotation mark

1675C   "   BLISSYMBOL DOUBLE HIGH-9 QUOTATION MARK
   • BCI-AV-gm-09032
   → 201D " right double quotation mark

1675D   „   BLISSYMBOL DOUBLE LOW-9 QUOTATION MARK
   • BCI-AV-gm-09033
   → 201E „ double low-9 quotation mark

1675E   «   BLISSYMBOL LEFTWARDS GUILLEMET
   • BCI-AV-gm-09025
   → 00AB « left-pointing double angle quotation mark

1675F   »   BLISSYMBOL RIGHTWARDS GUILLEMET
   • BCI-AV-gm-09026
   → 00BB » right-pointing double angle quotation mark

16760   ˉ   BLISSYMBOL COMBINE MARKER
   • BCI-AV-13382
   • N1866-E0C2
   • MSBI-r-147.05
   • used as a radical in lexicography
   • can be transcribed with 2E06 $^{\text{T}}$ raised interpolation marker

16761   (BLISSYMBOL OPENING PARENTHESIS
   • BCI-AV-gm-09030
   → 0028 (left parenthesis

16762   )   BLISSYMBOL CLOSING PARENTHESIS
   • BCI-AV-gm-09029
   → 0029) right parenthesis

16763   [BLISSYMBOL OPENING SQUARE BRACKET
   • BCI-AV-gm-09024
   → 005B [left square bracket

16764   ]   BLISSYMBOL CLOSING SQUARE BRACKET
   • BCI-AV-gm-09023
   → 005D] right square bracket

16765   {   BLISSYMBOL OPENING CURLY BRACKET
   • BCI-AV-gm-09022
   → 007B { left curly bracket

16766   }   BLISSYMBOL CLOSING CURLY BRACKET
   • BCI-AV-gm-09021
   → 007D } right curly bracket

16767   %   BLISSYMBOL PERCENT
   • BCI-AV-08484
   • N1866-E36A
   • used as a radical in lexicography
   → 0025 % percent sign

Currencies

16768   ¢   BLISSYMBOL CENT
   • BCI-AV-13143
   • N1866-E36B
   • used as a radical in lexicography
   → 00A2 ¢ cent sign

16769 $ BLISSYMBOL DOLLAR
   • BCI-AV-13863
   • N1866-E36C
   → 0024 $ dollar sign

1676A   £   BLISSYMBOL POUND
   • BCI-AV-16232
   • N1866-E36D
   → 00A3 £ pound sign

1676B   ¥   BLISSYMBOL YEN
   • BCI-AV-18293
   • N1866-E36E
   → 00A5 ¥ yen sign

1676C   ₪   BLISSYMBOL SHEQEL
   • BCI-AV-25607
   • N1866-E1B5
   → 20AA ₪ new sheqel sign

1676D   €   BLISSYMBOL EURO
   • BCI-AV-21541
   • N1866-E36F
   → 20AC € euro sign

1676E   ₽   BLISSYMBOL RUBLE
   • BCI-AV-g-28099
   → 20BD ₽ ruble sign

Alphabets

1676F   ABC   BLISSYMBOL LATIN CAPITALS
   • BCI-AV-25011
   = Latin capital letters

16770   abc   BLISSYMBOL LATIN ALPHABET
   • BCI-AV-12366
   • N1866-E35E
   • used as a radical in lexicography
   = Latin small letters
   = spelling

16771   ABΓ   BLISSYMBOL GREEK CAPITALS
   • BCI-AV-g-28095
   • = Greek capital letters

16772   αβγ   BLISSYMBOL GREEK ALPHABET
   • BCI-AV-g-28094
   • = Greek small letters

16773   АБВ   BLISSYMBOL CYRILLIC CAPITALS
   • BCI-AV-g-28093
   • = Cyrillic capital letters

16774   абв   BLISSYMBOL CYRILLIC ALPHABET
   • BCI-AV-g-28092
   • = Cyrillic small letters

16775   אב   BLISSYMBOL HEBREW ALPHABET
- BCI-AV-g-28096
- MSBI-r-010.07

16776   ابجد   BLISSYMBOL ARABIC ALPHABET
- BCI-AV-g-28091

16777   ᚠᚢ   BLISSYMBOL RUNIC ALPHABET
- BCI-AV-c-28102

Fractions

167C1   ½   BLISSYMBOL ONE HALF
- BCI-AV-24906
- → 00BD ½ vulgar fraction one half

167C2   ⅓   BLISSYMBOL ONE THIRD
- BCI-AV-26064
- → 2153 ⅓ vulgar fraction one third

167C3   ¼   BLISSYMBOL ONE QUARTER
- BCI-AV-24932
- → 00BC ¼ vulgar fraction one quarter

167C4   ⅔   BLISSYMBOL TWO THIRDS
- BCI-AV-26065
- → 2154 ⅔ vulgar fraction two thirds

167C5   ¾   BLISSYMBOL THREE QUARTERS
- BCI-AV-26066
- → 00BE ¾ vulgar fraction three quarters

Index Numbers

167C6   .   BLISSYMBOL INDEX ZERO
- BCI-AV-08510

167C7   .   BLISSYMBOL INDEX ONE
- BCI-AV-08511

167C8   .   BLISSYMBOL INDEX TWO
- BCI-AV-08512

167C9   .   BLISSYMBOL INDEX THREE
- BCI-AV-08513

167CA   .   BLISSYMBOL INDEX FOUR
- BCI-AV-08514

167CB   .   BLISSYMBOL INDEX FIVE
- BCI-AV-08515
- used as a radical in lexicography

167CC   .   BLISSYMBOL INDEX SIX
- BCI-AV-08516

167CD   .   BLISSYMBOL INDEX SEVEN
- BCI-AV-08517

167CE   .   BLISSYMBOL INDEX EIGHT
- BCI-AV-08518

167CF   .   BLISSYMBOL INDEX NINE
- BCI-AV-08519

Numbers

167D0   ₀   BLISSYMBOL ZERO
- BCI-AV-08496
- N1866-E35F
- → 0030 0 digit zero

167D1   ₁   BLISSYMBOL ONE
- BCI-AV-08497
- N1866-E360
- → 0031 1 digit one

167D2   ₂   BLISSYMBOL TWO
- BCI-AV-08498
- N1866-E362
- → 0032 2 digit two

167D3   ₃   BLISSYMBOL THREE
- BCI-AV-08499
- N1866-E363
- → 0033 3 digit three

167D4   ₄   BLISSYMBOL FOUR
- BCI-AV-08500
- N1866-E364
- → 0034 4 digit four

167D5   ₅   BLISSYMBOL FIVE
- BCI-AV-08501
- N1866-E365
- used as a radical in lexicography
- → 0035 5 digit five

167D6   ₆   BLISSYMBOL SIX
- BCI-AV-08502
- N1866-E366
- → 0036 6 digit six

167D7   ₇   BLISSYMBOL SEVEN
- BCI-AV-08503
- N1866-E367
- → 0037 7 digit seven

167D8   ₈   BLISSYMBOL EIGHT
- BCI-AV-08504
- N1866-E368
- → 0038 8 digit eight

167D9   ₉   BLISSYMBOL NINE
- BCI-AV-08505
- N1866-E369
- → 0039 9 digit nine

Spaces

167DA   ZBL WSP   BLISSYMBOL WORDSPACE
- BCI-AV-gm-09039
- N1866-E373
- three quarters of a matrix square

167DB   ZBL PSP   BLISSYMBOL NO-BREAK PUNCTUATION SPACE
- BCI-AV-gm-09040
- N1866-E374
- one quarter of a matrix square
- used next to punctuation

Nominal Indicators

167DC   ˅   BLISSYMBOL INDICATOR PLURAL
- BCI-AV-09011
- N1866-E240
- MSBI-r-147.01
- used as a radical in lexicography

167DD   ˵   BLISSYMBOL INDICATOR DEFINITE PLURAL
- BCI-AV-gm-09013

167DE   ´   BLISSYMBOL INDICATOR DEFINITE
- BCI-AV-24667
- used as a radical in lexicography

167DF   °   BLISSYMBOL INDICATOR THING
- BCI-AV-09009
- N1866-E18E
- MSBI-r-146.11
- used as a radical in lexicography
- a concretizer

167E0   °°   BLISSYMBOL INDICATOR PLURAL THING
- BCI-AV-09010
- N1866-E18F

167E1   °´   BLISSYMBOL INDICATOR DEFINITE PLURAL THING
- BCI-AV-gm-09012

167E2   °´   BLISSYMBOL INDICATOR DEFINITE THING
- BCI-AV-gm-09014

Verbal Indicators

167E3   ˙   BLISSYMBOL INDICATOR ACTION
- BCI-AV-08993
- N1866-E267
- MSBI-r-146.12
- used as a radical in lexicography

167E4   ˴   BLISSYMBOL INDICATOR ACTIVE
- BCI-AV-08994
- N1866-E268

167E5   ˈ   BLISSYMBOL INDICATOR PAST
- BCI-AV-09004
- N1866-E15C
- MSBI-r-146.05

167E6   ˝   BLISSYMBOL INDICATOR PRESENT
- BCI-AV-24807
- used as a radical in lexicography

167E7   ˊ   BLISSYMBOL INDICATOR FUTURE
- BCI-AV-08999
- N1866-E15D
- MSBI-r-146.06

167E8   ˗   BLISSYMBOL INDICATOR CONTINUOUS
- BCI-AV-24666

167E9   ˌ   BLISSYMBOL INDICATOR IMPERATIVE
- BCI-AV-24670

167EA   ˵   BLISSYMBOL INDICATOR PAST CONDITIONAL
- BCI-AV-09005
- N1866-E372

167EB   ˶   BLISSYMBOL INDICATOR PRESENT CONDITIONAL
- BCI-AV-08995
- N1866-E370
- used as a radical in lexicography

167EC   ˷   BLISSYMBOL INDICATOR FUTURE CONDITIONAL
- BCI-AV-09000
- N1866-E371

167ED   ˳   BLISSYMBOL INDICATOR PAST PASSIVE
- BCI-AV-09007
- N1866-E26B

167EE   ˎ   BLISSYMBOL INDICATOR PASSIVE
- BCI-AV-09003
- N1866-E26D
- used as a radical in lexicography

167EF   ˒   BLISSYMBOL INDICATOR FUTURE PASSIVE
- BCI-AV-09001
- N1866-E26C

167F0   ˮ   BLISSYMBOL INDICATOR PAST PASSIVE CONDITIONAL
- BCI-AV-09006
- N1866-E26F

167F1   ˶   BLISSYMBOL INDICATOR PRESENT PASSIVE CONDITIONAL
- BCI-AV-09008
- N1866-E26E

167F2   ˷   BLISSYMBOL INDICATOR FUTURE PASSIVE CONDITIONAL
- BCI-AV-09002
- N1866-E270

Adjectival Indicators

167F3   ˜   BLISSYMBOL INDICATOR DESCRIPTION BEFORE THE FACT
- BCI-AV-08997
- N1866-E1C3
- MSBI-r-147.02

167F4   ˏ   BLISSYMBOL INDICATOR DESCRIPTION
- BCI-AV-08998
- N1866-E269
- MSBI-r-147.04
- used as a radical in lexicography

167F5   ˇ   BLISSYMBOL INDICATOR DESCRIPTION AFTER THE FACT
- BCI-AV-08996
- N1866-E26A
- MSBI-r-147.03

167F6   ˘   BLISSYMBOL INDICATOR PAST PARTICIPLE
- BCI-AV-24674

167F7   ˝   BLISSYMBOL INDICATOR PRESENT PARTICIPLE
- BCI-AV-24677

167F8   ˘   BLISSYMBOL INDICATOR FUTURE PARTICIPLE
- BCI-AV-gm-09015

167F9   ˊ   BLISSYMBOL INDICATOR PAST PERFECTIVE PARTICIPLE
- BCI-AV-24675

167FA   ˵   BLISSYMBOL INDICATOR PAST PASSIVE PARTICIPLE
- BCI-AV-gm-09017

167FB   ˶   BLISSYMBOL INDICATOR PRESENT PASSIVE PARTICIPLE
- BCI-AV-gm-09018

167FC   ˵   BLISSYMBOL INDICATOR FUTURE PASSIVE PARTICIPLE
- BCI-AV-gm-09016

167FD   ˝   BLISSYMBOL INDICATOR DESCRIPTION OF ACTION
- BCI-AV-24665
- = adverb

Matrix characters

167FE   □   BLISSYMBOL MATRIX SQUARE
- BCI-AV-gm-09028

167FF   ▦   BLISSYMBOL MATRIX GRID
- BCI-AV-gm-09027

Appendix 2. Reversals for Hebrew

When presented in a right-to-left context in Israel, about 30% of the characters reverse their glyphs in various ways as described at § 11 above. The Israeli organization concerned with Blissymbols are being consulted for their approval. After they approve, this table can be revised to indicate simple reversals and complex reversals. This chart shows the reversed glyphs in a draft font for Israeli use.

The chart is relevent to font implementation. It specifies the characters which need to be reversed and revised for use in right-to-left environments.

In the chart:
- Blissymbols in cells coloured BLUE are found in the MSBI.
- Blissymbols in cells coloured GREEN are new characters reversed according to the parameters established in the MSBI.
- Blissymbols in cells half-coloured MAGENTA are found unreversed in the MSBI but should be reversed for consistency with its parameters.

Israeli colleagues concerned with Blissymbols are being consulted for their approval and any altewrations will be .

	1620	1621	1622	1623	1624	1625	1626	1627	1628	1629	162A	162B	162C	162D	162E	162F
0	16200	16210	16220	16230	16240	16250	16260	16270	16280	16290	162A0	162B0	162C0	162D0	162E0	162F0
1	16201	16211	16221	16231	16241	16251	16261	16271	16281	16291	162A1	162B1	162C1	162D1	162E1	162F1
2	16202	16212	16222	16232	16242	16252	16262	16272	16282	16292	162A2	162B2	162C2	162D2	162E2	162F2
3	16203	16213	16223	16233	16243	16253	16263	16273	16283	16293	162A3	162B3	162C3	162D3	162E3	162F3
4	16204	16214	16224	16234	16244	16254	16264	16274	16284	16294	162A4	162B4	162C4	162D4	162E4	162F4
5	16205	16215	16225	16235	16245	16255	16265	16275	16285	16295	162A5	162B5	162C5	162D5	162E5	162F5
6	16206	16216	16226	16236	16246	16256	16266	16276	16286	16296	162A6	162B6	162C6	162D6	162E6	162F6
7	16207	16217	16227	16237	16247	16257	16267	16277	16287	16297	162A7	162B7	162C7	162D7	162E7	162F7
8	16208	16218	16228	16238	16248	16258	16268	16278	16288	16298	162A8	162B8	162C8	162D8	162E8	162F8
9	16209	16219	16229	16239	16249	16259	16269	16279	16289	16299	162A9	162B9	162C9	162D9	162E9	162F9
A	1620A	1621A	1622A	1623A	1624A	1625A	1626A	1627A	1628A	1629A	162AA	162BA	162CA	162DA	162EA	162FA
B	1620B	1621B	1622B	1623B	1624B	1625B	1626B	1627B	1628B	1629B	162AB	162BB	162CB	162DB	162EB	162FB
C	1620C	1621C	1622C	1623C	1624C	1625C	1626C	1627C	1628C	1629C	162AC	162BC	162CC	162DC	162EC	162FC
D	1620D	1621D	1622D	1623D	1624D	1625D	1626D	1627D	1628D	1629D	162AD	162BD	162CD	162DD	162ED	162FD
E	1620E	1621E	1622E	1623E	1624E	1625E	1626E	1627E	1628E	1629E	162AE	162BE	162CE	162DE	162EE	162FE
F	1620F	1621F	1622F	1623F	1624F	1625F	1626F	1627F	1628F	1629F	162AF	162BF	162CF	162DF	162EF	162FF

	1630	1631	1632	1633	1634	1635	1636	1637	1638	1639	163A	163B	163C	163D	163E	163F
0	16300	16310	16320	16330	16340	16350	16360	16370	16380	16390	163A0	163B0	163C0	163D0	163E0	163F0
1	16301	16311	16321	16331	16341	16351	16361	16371	16381	16391	163A1	163B1	163C1	163D1	163E1	163F1
2	16302	16312	16322	16332	16342	16352	16362	16372	16382	16392	163A2	163B2	163C2	163D2	163E2	163F2
3	16303	16313	16323	16333	16343	16353	16363	16373	16383	16393	163A3	163B3	163C3	163D3	163E3	163F3
4	16304	16314	16324	16334	16344	16354	16364	16374	16384	16394	163A4	163B4	163C4	163D4	163E4	163F4
5	16305	16315	16325	16335	16345	16355	16365	16375	16385	16395	163A5	163B5	163C5	163D5	163E5	163F5
6	16306	16316	16326	16336	16346	16356	16366	16376	16386	16396	163A6	163B6	163C6	163D6	163E6	163F6
7	16307	16317	16327	16337	16347	16357	16367	16377	16387	16397	163A7	163B7	163C7	163D7	163E7	163F7
8	16308	16318	16328	16338	16348	16358	16368	16378	16388	16398	163A8	163B8	163C8	163D8	163E8	163F8
9	16309	16319	16329	16339	16349	16359	16369	16379	16389	16399	163A9	163B9	163C9	163D9	163E9	163F9
A	1630A	1631A	1632A	1633A	1634A	1635A	1636A	1637A	1638A	1639A	163AA	163BA	163CA	163DA	163EA	163FA
B	1630B	1631B	1632B	1633B	1634B	1635B	1636B	1637B	1638B	1639B	163AB	163BB	163CB	163DB	163EB	163FB
C	1630C	1631C	1632C	1633C	1634C	1635C	1636C	1637C	1638C	1639C	163AC	163BC	163CC	163DC	163EC	163FC
D	1630D	1631D	1632D	1633D	1634D	1635D	1636D	1637D	1638D	1639D	163AD	163BD	163CD	163DD	163ED	163FD
E	1630E	1631E	1632E	1633E	1634E	1635E	1636E	1637E	1638E	1639E	163AE	163BE	163CE	163DE	163EE	163FE
F	1630F	1631F	1632F	1633F	1634F	1635F	1636F	1637F	1638F	1639F	163AF	163BF	163CF	163DF	163EF	163FF

	1640	1641	1642	1643	1644	1645	1646	1647	1648	1649	164A	164B	164C	164D	164E	164F
0	16400	16410	16420	16430	16440	16450	16460	16470	16480	16490	164A0	164B0	164C0	164D0	164E0	164F0
1	16401	16411	16421	16431	16441	16451	16461	16471	16481	16491	164A1	164B1	164C1	164D1	164E1	164F1
2	16402	16412	16422	16432	16442	16452	16462	16472	16482	16492	164A2	164B2	164C2	164D2	164E2	164F2
3	16403	16413	16423	16433	16443	16453	16463	16473	16483	16493	164A3	164B3	164C3	164D3	164E3	164F3
4	16404	16414	16424	16434	16444	16454	16464	16474	16484	16494	164A4	164B4	164C4	164D4	164E4	164F4
5	16405	16415	16425	16435	16445	16455	16465	16475	16485	16495	164A5	164B5	164C5	164D5	164E5	164F5
6	16406	16416	16426	16436	16446	16456	16466	16476	16486	16496	164A6	164B6	164C6	164D6	164E6	164F6
7	16407	16417	16427	16437	16447	16457	16467	16477	16487	16497	164A7	164B7	164C7	164D7	164E7	164F7
8	16408	16418	16428	16438	16448	16458	16468	16478	16488	16498	164A8	164B8	164C8	164D8	164E8	164F8
9	16409	16419	16429	16439	16449	16459	16469	16479	16489	16499	164A9	164B9	164C9	164D9	164E9	164F9
A	1640A	1641A	1642A	1643A	1644A	1645A	1646A	1647A	1648A	1649A	164AA	164BA	164CA	164DA	164EA	164FA
B	1640B	1641B	1642B	1643B	1644B	1645B	1646B	1647B	1648B	1649B	164AB	164BB	164CB	164DB	164EB	164FB
C	1640C	1641C	1642C	1643C	1644C	1645C	1646C	1647C	1648C	1649C	164AC	164BC	164CC	164DC	164EC	164FC
D	1640D	1641D	1642D	1643D	1644D	1645D	1646D	1647D	1648D	1649D	164AD	164BD	164CD	164DD	164ED	164FD
E	1640E	1641E	1642E	1643E	1644E	1645E	1646E	1647E	1648E	1649E	164AE	164BE	164CE	164DE	164EE	164FE
F	1640F	1641F	1642F	1643F	1644F	1645F	1646F	1647F	1648F	1649F	164AF	164BF	164CF	164DF	164EF	164FF

	1650	1651	1652	1653	1654	1655	1656	1657	1658	1659	165A	165B	165C	165D	165E	165F
0	16500	16510	16520	16530	16540	16550	16560	16570	16580	16590	165A0	165B0	165C0	165D0	165E0	165F0
1	16501	16511	16521	16531	16541	16551	16561	16571	16581	16591	165A1	165B1	165C1	165D1	165E1	165F1
2	16502	16512	16522	16532	16542	16552	16562	16572	16582	16592	165A2	165B2	165C2	165D2	165E2	165F2
3	16503	16513	16523	16533	16543	16553	16563	16573	16583	16593	165A3	165B3	165C3	165D3	165E3	165F3
4	16504	16514	16524	16534	16544	16554	16564	16574	16584	16594	165A4	165B4	165C4	165D4	165E4	165F4
5	16505	16515	16525	16535	16545	16555	16565	16575	16585	16595	165A5	165B5	165C5	165D5	165E5	165F5
6	16506	16516	16526	16536	16546	16556	16566	16576	16586	16596	165A6	165B6	165C6	165D6	165E6	165F6
7	16507	16517	16527	16537	16547	16557	16567	16577	16587	16597	165A7	165B7	165C7	165D7	165E7	165F7
8	16508	16518	16528	16538	16548	16558	16568	16578	16588	16598	165A8	165B8	165C8	165D8	165E8	165F8
9	16509	16519	16529	16539	16549	16559	16569	16579	16589	16599	165A9	165B9	165C9	165D9	165E9	165F9
A	1650A	1651A	1652A	1653A	1654A	1655A	1656A	1657A	1658A	1659A	165AA	165BA	165CA	165DA	165EA	165FA
B	1650B	1651B	1652B	1653B	1654B	1655B	1656B	1657B	1658B	1659B	165AB	165BB	165CB	165DB	165EB	165FB
C	1650C	1651C	1652C	1653C	1654C	1655C	1656C	1657C	1658C	1659C	165AC	165BC	165CC	165DC	165EC	165FC
D	1650D	1651D	1652D	1653D	1654D	1655D	1656D	1657D	1658D	1659D	165AD	165BD	165CD	165DD	165ED	165FD
E	1650E	1651E	1652E	1653E	1654E	1655E	1656E	1657E	1658E	1659E	165AE	165BE	165CE	165DE	165EE	165FE
F	1650F	1651F	1652F	1653F	1654F	1655F	1656F	1657F	1658F	1659F	165AF	165BF	165CF	165DF	165EF	165FF

	1660	1661	1662	1663	1664	1665	1666	1667	1668	1669	166A	166B	166C	166D	166E	166F
0	16600	16610	16620	16630	16640	16650	16660	16670	16680	16690	166A0	166B0	166C0	166D0	166E0	166F0
1	16601	16611	16621	16631	16641	16651	16661	16671	16681	16691	166A1	166B1	166C1	166D1	166E1	166F1
2	16602	16612	16622	16632	16642	16652	16662	16672	16682	16692	166A2	166B2	166C2	166D2	166E2	166F2
3	16603	16613	16623	16633	16643	16653	16663	16673	16683	16693	166A3	166B3	166C3	166D3	166E3	166F3
4	16604	16614	16624	16634	16644	16654	16664	16674	16684	16694	166A4	166B4	166C4	166D4	166E4	166F4
5	16605	16615	16625	16635	16645	16655	16665	16675	16685	16695	166A5	166B5	166C5	166D5	166E5	166F5
6	16606	16616	16626	16636	16646	16656	16666	16676	16686	16696	166A6	166B6	166C6	166D6	166E6	166F6
7	16607	16617	16627	16637	16647	16657	16667	16677	16687	16697	166A7	166B7	166C7	166D7	166E7	166F7
8	16608	16618	16628	16638	16648	16658	16668	16678	16688	16698	166A8	166B8	166C8	166D8	166E8	166F8
9	16609	16619	16629	16639	16649	16659	16669	16679	16689	16699	166A9	166B9	166C9	166D9	166E9	166F9
A	1660A	1661A	1662A	1663A	1664A	1665A	1666A	1667A	1668A	1669A	166AA	166BA	166CA	166DA	166EA	166FA
B	1660B	1661B	1662B	1663B	1664B	1665B	1666B	1667B	1668B	1669B	166AB	166BB	166CB	166DB	166EB	166FB
C	1660C	1661C	1662C	1663C	1664C	1665C	1666C	1667C	1668C	1669C	166AC	166BC	166CC	166DC	166EC	166FC
D	1660D	1661D	1662D	1663D	1664D	1665D	1666D	1667D	1668D	1669D	166AD	166BD	166CD	166DD	166ED	166FD
E	1660E	1661E	1662E	1663E	1664E	1665E	1666E	1667E	1668E	1669E	166AE	166BE	166CE	166DE	166EE	166FE
F	1660F	1661F	1662F	1663F	1664F	1665F	1666F	1667F	1668F	1669F	166AF	166BF	166CF	166DF	166EF	166FF

	1670	1671	1672	1673	1674	1675	1676	1677	1678	1679	167A	167B	167C	167D	167E	167F
0	16700	16710	16720	16730	16740	16750	16760	16770						167D0	167E0	167F0
1	16701	16711	16721	16731	16741	16751	16761	16771					167C1	167D1	167E1	167F1
2	16702	16712	16722	16732	16742	16752	16762	16772					167C2	167D2	167E2	167F2
3	16703	16713	16723	16733	16743	16753	16763	16773					167C3	167D3	167E3	167F3
4	16704	16714	16724	16734	16744	16754	16764	16774					167C4	167D4	167E4	167F4
5	16705	16715	16725	16735	16745	16755	16765	16775					167C5	167D5	167E5	167F5
6	16706	16716	16726	16736	16746	16756	16766	16776					167C6	167D6	167E6	167F6
7	16707	16717	16727	16737	16747	16757	16767	16777					167C7	167D7	167E7	167F7
8	16708	16718	16728	16738	16748	16758	16768						167C8	167D8	167E8	167F8
9	16709	16719	16729	16739	16749	16759	16769						167C9	167D9	167E9	167F9
A	1670A	1671A	1672A	1673A	1674A	1675A	1676A						167CA	167DA	167EA	167FA
B	1670B	1671B	1672B	1673B	1674B	1675B	1676B						167CB	167DB	167EB	167FB
C	1670C	1671C	1672C	1673C	1674C	1675C	1676C						167CC	167DC	167EC	167FC
D	1670D	1671D	1672D	1673D	1674D	1675D	1676D						167CD	167DD	167ED	167FD
E	1670E	1671E	1672E	1673E	1674E	1675E	1676E						167CE	167DE	167EE	167FE
F	1670F	1671F	1672F	1673F	1674F	1675F	1676F						167CF	167DF	167EF	167FF

Appendix 3. Radicals

Bliss-characters are ordered within each Bliss-letter, which is based on a hierarchy of relationships that is relatively well defined. Subordinate within a given Bliss-letter are the Bliss-characters which belong to that letter. Most of these will be meaningful characters, but a certain number of them have no explicit meaning and are used only as radicals in lexicography. Some radicals used in *Blissymbols for Use* (1982) were not retained in the *Blissymbols Reference Guide* (1992); they were an initial attempt at ordering and were not as systematic as what was published in the BRG. A few radicals used in the BRG no longer have clients due to revisions of the ordering of the character set, though it has been agreed to retain them as encoded characters because of their use in the BRG. For these the code charts give references to the characters which were formerly their clients.

The chart attached shows both the meaningful and meaningless radicals. See N5171 (L2/22-003) for information on the use of radicals in the ordering system.

This is informative and of interest in terms of relationships between characters within the writing system. There are no encoding ramifications associated with this.

In the chart:
- Blissymbols in cells coloured GREEN are used as radicals and represent meaningful concepts.
- Blissymbols in cells coloured BLUE are used only as radicals.
- Blissymbols in cells half-coloured MAGENTA were used in the BRG and are proposed for encoding for historical usage.

	1620	1621	1622	1623	1624	1625	1626	1627	1628	1629	162A	162B	162C	162D	162E	162F
0	16200	16210	16220	16230	16240	16250	16260	16270	16280	16290	162A0	162B0	162C0	162D0	162E0	162F0
1	16201	16211	16221	16231	16241	16251	16261	16271	16281	16291	162A1	162B1	162C1	162D1	162E1	162F1
2	16202	16212	16222	16232	16242	16252	16262	16272	16282	16292	162A2	162B2	162C2	162D2	162E2	162F2
3	16203	16213	16223	16233	16243	16253	16263	16273	16283	16293	162A3	162B3	162C3	162D3	162E3	162F3
4	16204	16214	16224	16234	16244	16254	16264	16274	16284	16294	162A4	162B4	162C4	162D4	162E4	162F4
5	16205	16215	16225	16235	16245	16255	16265	16275	16285	16295	162A5	162B5	162C5	162D5	162E5	162F5
6	16206	16216	16226	16236	16246	16256	16266	16276	16286	16296	162A6	162B6	162C6	162D6	162E6	162F6
7	16207	16217	16227	16237	16247	16257	16267	16277	16287	16297	162A7	162B7	162C7	162D7	162E7	162F7
8	16208	16218	16228	16238	16248	16258	16268	16278	16288	16298	162A8	162B8	162C8	162D8	162E8	162F8
9	16209	16219	16229	16239	16249	16259	16269	16279	16289	16299	162A9	162B9	162C9	162D9	162E9	162F9
A	1620A	1621A	1622A	1623A	1624A	1625A	1626A	1627A	1628A	1629A	162AA	162BA	162CA	162DA	162EA	162FA
B	1620B	1621B	1622B	1623B	1624B	1625B	1626B	1627B	1628B	1629B	162AB	162BB	162CB	162DB	162EB	162FB
C	1620C	1621C	1622C	1623C	1624C	1625C	1626C	1627C	1628C	1629C	162AC	162BC	162CC	162DC	162EC	162FC
D	1620D	1621D	1622D	1623D	1624D	1625D	1626D	1627D	1628D	1629D	162AD	162BD	162CD	162DD	162ED	162FD
E	1620E	1621E	1622E	1623E	1624E	1625E	1626E	1627E	1628E	1629E	162AE	162BE	162CE	162DE	162EE	162FE
F	1620F	1621F	1622F	1623F	1624F	1625F	1626F	1627F	1628F	1629F	162AF	162BF	162CF	162DF	162EF	162FF

	1630	1631	1632	1633	1634	1635	1636	1637	1638	1639	163A	163B	163C	163D	163E	163F
0	16300	16310	16320	16330	16340	16350	16360	16370	16380	16390	163A0	163B0	163C0	163D0	163E0	163F0
1	16301	16311	16321	16331	16341	16351	16361	16371	16381	16391	163A1	163B1	163C1	163D1	163E1	163F1
2	16302	16312	16322	16332	16342	16352	16362	16372	16382	16392	163A2	163B2	163C2	163D2	163E2	163F2
3	16303	16313	16323	16333	16343	16353	16363	16373	16383	16393	163A3	163B3	163C3	163D3	163E3	163F3
4	16304	16314	16324	16334	16344	16354	16364	16374	16384	16394	163A4	163B4	163C4	163D4	163E4	163F4
5	16305	16315	16325	16335	16345	16355	16365	16375	16385	16395	163A5	163B5	163C5	163D5	163E5	163F5
6	16306	16316	16326	16336	16346	16356	16366	16376	16386	16396	163A6	163B6	163C6	163D6	163E6	163F6
7	16307	16317	16327	16337	16347	16357	16367	16377	16387	16397	163A7	163B7	163C7	163D7	163E7	163F7
8	16308	16318	16328	16338	16348	16358	16368	16378	16388	16398	163A8	163B8	163C8	163D8	163E8	163F8
9	16309	16319	16329	16339	16349	16359	16369	16379	16389	16399	163A9	163B9	163C9	163D9	163E9	163F9
A	1630A	1631A	1632A	1633A	1634A	1635A	1636A	1637A	1638A	1639A	163AA	163BA	163CA	163DA	163EA	163FA
B	1630B	1631B	1632B	1633B	1634B	1635B	1636B	1637B	1638B	1639B	163AB	163BB	163CB	163DB	163EB	163FB
C	1630C	1631C	1632C	1633C	1634C	1635C	1636C	1637C	1638C	1639C	163AC	163BC	163CC	163DC	163EC	163FC
D	1630D	1631D	1632D	1633D	1634D	1635D	1636D	1637D	1638D	1639D	163AD	163BD	163CD	163DD	163ED	163FD
E	1630E	1631E	1632E	1633E	1634E	1635E	1636E	1637E	1638E	1639E	163AE	163BE	163CE	163DE	163EE	163FE
F	1630F	1631F	1632F	1633F	1634F	1635F	1636F	1637F	1638F	1639F	163AF	163BF	163CF	163DF	163EF	163FF

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0	16400	16410	16420	16430	16440	16450	16460	16470	16480	16490	164A0	164B0	164C0	164D0	164E0	164F0
1	16401	16411	16421	16431	16441	16451	16461	16471	16481	16491	164A1	164B1	164C1	164D1	164E1	164F1
2	16402	16412	16422	16432	16442	16452	16462	16472	16482	16492	164A2	164B2	164C2	164D2	164E2	164F2
3	16403	16413	16423	16433	16443	16453	16463	16473	16483	16493	164A3	164B3	164C3	164D3	164E3	164F3
4	16404	16414	16424	16434	16444	16454	16464	16474	16484	16494	164A4	164B4	164C4	164D4	164E4	164F4
5	16405	16415	16425	16435	16445	16455	16465	16475	16485	16495	164A5	164B5	164C5	164D5	164E5	164F5
6	16406	16416	16426	16436	16446	16456	16466	16476	16486	16496	164A6	164B6	164C6	164D6	164E6	164F6
7	16407	16417	16427	16437	16447	16457	16467	16477	16487	16497	164A7	164B7	164C7	164D7	164E7	164F7
8	16408	16418	16428	16438	16448	16458	16468	16478	16488	16498	164A8	164B8	164C8	164D8	164E8	164F8
9	16409	16419	16429	16439	16449	16459	16469	16479	16489	16499	164A9	164B9	164C9	164D9	164E9	164F9
A	1640A	1641A	1642A	1643A	1644A	1645A	1646A	1647A	1648A	1649A	164AA	164BA	164CA	164DA	164EA	164FA
B	1640B	1641B	1642B	1643B	1644B	1645B	1646B	1647B	1648B	1649B	164AB	164BB	164CB	164DB	164EB	164FB
C	1640C	1641C	1642C	1643C	1644C	1645C	1646C	1647C	1648C	1649C	164AC	164BC	164CC	164DC	164EC	164FC
D	1640D	1641D	1642D	1643D	1644D	1645D	1646D	1647D	1648D	1649D	164AD	164BD	164CD	164DD	164ED	164FD
E	1640E	1641E	1642E	1643E	1644E	1645E	1646E	1647E	1648E	1649E	164AE	164BE	164CE	164DE	164EE	164FE
F	1640F	1641F	1642F	1643F	1644F	1645F	1646F	1647F	1648F	1649F	164AF	164BF	164CF	164DF	164EF	164FF

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1	16501	16511	16521	16531	16541	16551	16561	16571	16581	16591	165A1	165B1	165C1	165D1	165E1	165F1
2	16502	16512	16522	16532	16542	16552	16562	16572	16582	16592	165A2	165B2	165C2	165D2	165E2	165F2
3	16503	16513	16523	16533	16543	16553	16563	16573	16583	16593	165A3	165B3	165C3	165D3	165E3	165F3
4	16504	16514	16524	16534	16544	16554	16564	16574	16584	16594	165A4	165B4	165C4	165D4	165E4	165F4
5	16505	16515	16525	16535	16545	16555	16565	16575	16585	16595	165A5	165B5	165C5	165D5	165E5	165F5
6	16506	16516	16526	16536	16546	16556	16566	16576	16586	16596	165A6	165B6	165C6	165D6	165E6	165F6
7	16507	16517	16527	16537	16547	16557	16567	16577	16587	16597	165A7	165B7	165C7	165D7	165E7	165F7
8	16508	16518	16528	16538	16548	16558	16568	16578	16588	16598	165A8	165B8	165C8	165D8	165E8	165F8
9	16509	16519	16529	16539	16549	16559	16569	16579	16589	16599	165A9	165B9	165C9	165D9	165E9	165F9
A	1650A	1651A	1652A	1653A	1654A	1655A	1656A	1657A	1658A	1659A	165AA	165BA	165CA	165DA	165EA	165FA
B	1650B	1651B	1652B	1653B	1654B	1655B	1656B	1657B	1658B	1659B	165AB	165BB	165CB	165DB	165EB	165FB
C	1650C	1651C	1652C	1653C	1654C	1655C	1656C	1657C	1658C	1659C	165AC	165BC	165CC	165DC	165EC	165FC
D	1650D	1651D	1652D	1653D	1654D	1655D	1656D	1657D	1658D	1659D	165AD	165BD	165CD	165DD	165ED	165FD
E	1650E	1651E	1652E	1653E	1654E	1655E	1656E	1657E	1658E	1659E	165AE	165BE	165CE	165DE	165EE	165FE
F	1650F	1651F	1652F	1653F	1654F	1655F	1656F	1657F	1658F	1659F	165AF	165BF	165CF	165DF	165EF	165FF

	1660	1661	1662	1663	1664	1665	1666	1667	1668	1669	166A	166B	166C	166D	166E	166F
0	16600	16610	16620	16630	16640	16650	16660	16670	16680	16690	166A0	166B0	166C0	166D0	166E0	166F0
1	16601	16611	16621	16631	16641	16651	16661	16671	16681	16691	166A1	166B1	166C1	166D1	166E1	166F1
2	16602	16612	16622	16632	16642	16652	16662	16672	16682	16692	166A2	166B2	166C2	166D2	166E2	166F2
3	16603	16613	16623	16633	16643	16653	16663	16673	16683	16693	166A3	166B3	166C3	166D3	166E3	166F3
4	16604	16614	16624	16634	16644	16654	16664	16674	16684	16694	166A4	166B4	166C4	166D4	166E4	166F4
5	16605	16615	16625	16635	16645	16655	16665	16675	16685	16695	166A5	166B5	166C5	166D5	166E5	166F5
6	16606	16616	16626	16636	16646	16656	16666	16676	16686	16696	166A6	166B6	166C6	166D6	166E6	166F6
7	16607	16617	16627	16637	16647	16657	16667	16677	16687	16697	166A7	166B7	166C7	166D7	166E7	166F7
8	16608	16618	16628	16638	16648	16658	16668	16678	16688	16698	166A8	166B8	166C8	166D8	166E8	166F8
9	16609	16619	16629	16639	16649	16659	16669	16679	16689	16699	166A9	166B9	166C9	166D9	166E9	166F9
A	1660A	1661A	1662A	1663A	1664A	1665A	1666A	1667A	1668A	1669A	166AA	166BA	166CA	166DA	166EA	166FA
B	1660B	1661B	1662B	1663B	1664B	1665B	1666B	1667B	1668B	1669B	166AB	166BB	166CB	166DB	166EB	166FB
C	1660C	1661C	1662C	1663C	1664C	1665C	1666C	1667C	1668C	1669C	166AC	166BC	166CC	166DC	166EC	166FC
D	1660D	1661D	1662D	1663D	1664D	1665D	1666D	1667D	1668D	1669D	166AD	166BD	166CD	166DD	166ED	166FD
E	1660E	1661E	1662E	1663E	1664E	1665E	1666E	1667E	1668E	1669E	166AE	166BE	166CE	166DE	166EE	166FE
F	1660F	1661F	1662F	1663F	1664F	1665F	1666F	1667F	1668F	1669F	166AF	166BF	166CF	166DF	166EF	166FF

	1670	1671	1672	1673	1674	1675	1676	1677	1678	1679	167A	167B	167C	167D	167E	167F
0	16700	16710	16720	16730	16740	16750	16760	16770						167D0	167E0	167F0
1	16701	16711	16721	16731	16741	16751	16761	16771					167C1	167D1	167E1	167F1
2	16702	16712	16722	16732	16742	16752	16762	16772					167C2	167D2	167E2	167F2
3	16703	16713	16723	16733	16743	16753	16763	16773					167C3	167D3	167E3	167F3
4	16704	16714	16724	16734	16744	16754	16764	16774					167C4	167D4	167E4	167F4
5	16705	16715	16725	16735	16745	16755	16765	16775					167C5	167D5	167E5	167F5
6	16706	16716	16726	16736	16746	16756	16766	16776					167C6	167D6	167E6	167F6
7	16707	16717	16727	16737	16747	16757	16767	16777					167C7	167D7	167E7	167F7
8	16708	16718	16728	16738	16748	16758	16768						167C8	167D8	167E8	167F8
9	16709	16719	16729	16739	16749	16759	16769						167C9	167D9	167E9	167F9
A	1670A	1671A	1672A	1673A	1674A	1675A	1676A						167CA	167DA (ZBL WSP)	167EA	167FA
B	1670B	1671B	1672B	1673B	1674B	1675B	1676B						167CB	167DB (ZBL PSP)	167EB	167FB
C	1670C	1671C	1672C	1673C	1674C	1675C	1676C						167CC	167DC	167EC	167FC
D	1670D	1671D	1672D	1673D	1674D	1675D	1676D						167CD	167DD	167ED	167FD
E	1670E	1671E	1672E	1673E	1674E	1675E	1676E						167CE	167DE	167EE	167FE
F	1670F	1671F	1672F	1673F	1674F	1675F	1676F						167CF	167DF	167EF	167FF

Appendix 4. Tall Indicators

Bliss defines the height a glyph can be and specifies two levels; grammatical indicators must be shifted higher in the font for these. This chart is undergoing development for a font specification.

The chart is relevent to font implementation. It specifies the tall characters which need to have the height of indicators adjusted for them.

In the chart:
- Blissymbols in cells coloured GREEN have glyph elements which extend above the skyline (sometimes only a little).
- Blissymbols in cells coloured BLUE have glyph elements which extend below the earthline.
- Blissymbols in cells coloured MAGENTA require Tall Indicators.

	1620	1621	1622	1623	1624	1625	1626	1627	1628	1629	162A	162B	162C	162D	162E	162F
0	16200	16210	16220	16230	16240	16250	16260	16270	16280	16290	162A0	162B0	162C0	162D0	162E0	162F0
1	16201	16211	16221	16231	16241	16251	16261	16271	16281	16291	162A1	162B1	162C1	162D1	162E1	162F1
2	16202	16212	16222	16232	16242	16252	16262	16272	16282	16292	162A2	162B2	162C2	162D2	162E2	162F2
3	16203	16213	16223	16233	16243	16253	16263	16273	16283	16293	162A3	162B3	162C3	162D3	162E3	162F3
4	16204	16214	16224	16234	16244	16254	16264	16274	16284	16294	162A4	162B4	162C4	162D4	162E4	162F4
5	16205	16215	16225	16235	16245	16255	16265	16275	16285	16295	162A5	162B5	162C5	162D5	162E5	162F5
6	16206	16216	16226	16236	16246	16256	16266	16276	16286	16296	162A6	162B6	162C6	162D6	162E6	162F6
7	16207	16217	16227	16237	16247	16257	16267	16277	16287	16297	162A7	162B7	162C7	162D7	162E7	162F7
8	16208	16218	16228	16238	16248	16258	16268	16278	16288	16298	162A8	162B8	162C8	162D8	162E8	162F8
9	16209	16219	16229	16239	16249	16259	16269	16279	16289	16299	162A9	162B9	162C9	162D9	162E9	162F9
A	1620A	1621A	1622A	1623A	1624A	1625A	1626A	1627A	1628A	1629A	162AA	162BA	162CA	162DA	162EA	162FA
B	1620B	1621B	1622B	1623B	1624B	1625B	1626B	1627B	1628B	1629B	162AB	162BB	162CB	162DB	162EB	162FB
C	1620C	1621C	1622C	1623C	1624C	1625C	1626C	1627C	1628C	1629C	162AC	162BC	162CC	162DC	162EC	162FC
D	1620D	1621D	1622D	1623D	1624D	1625D	1626D	1627D	1628D	1629D	162AD	162BD	162CD	162DD	162ED	162FD
E	1620E	1621E	1622E	1623E	1624E	1625E	1626E	1627E	1628E	1629E	162AE	162BE	162CE	162DE	162EE	162FE
F	1620F	1621F	1622F	1623F	1624F	1625F	1626F	1627F	1628F	1629F	162AF	162BF	162CF	162DF	162EF	162FF

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1	16301	16311	16321	16331	16341	16351	16361	16371	16381	16391	163A1	163B1	163C1	163D1	163E1	163F1
2	16302	16312	16322	16332	16342	16352	16362	16372	16382	16392	163A2	163B2	163C2	163D2	163E2	163F2
3	16303	16313	16323	16333	16343	16353	16363	16373	16383	16393	163A3	163B3	163C3	163D3	163E3	163F3
4	16304	16314	16324	16334	16344	16354	16364	16374	16384	16394	163A4	163B4	163C4	163D4	163E4	163F4
5	16305	16315	16325	16335	16345	16355	16365	16375	16385	16395	163A5	163B5	163C5	163D5	163E5	163F5
6	16306	16316	16326	16336	16346	16356	16366	16376	16386	16396	163A6	163B6	163C6	163D6	163E6	163F6
7	16307	16317	16327	16337	16347	16357	16367	16377	16387	16397	163A7	163B7	163C7	163D7	163E7	163F7
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9	16309	16319	16329	16339	16349	16359	16369	16379	16389	16399	163A9	163B9	163C9	163D9	163E9	163F9
A	1630A	1631A	1632A	1633A	1634A	1635A	1636A	1637A	1638A	1639A	163AA	163BA	163CA	163DA	163EA	163FA
B	1630B	1631B	1632B	1633B	1634B	1635B	1636B	1637B	1638B	1639B	163AB	163BB	163CB	163DB	163EB	163FB
C	1630C	1631C	1632C	1633C	1634C	1635C	1636C	1637C	1638C	1639C	163AC	163BC	163CC	163DC	163EC	163FC
D	1630D	1631D	1632D	1633D	1634D	1635D	1636D	1637D	1638D	1639D	163AD	163BD	163CD	163DD	163ED	163FD
E	1630E	1631E	1632E	1633E	1634E	1635E	1636E	1637E	1638E	1639E	163AE	163BE	163CE	163DE	163EE	163FE
F	1630F	1631F	1632F	1633F	1634F	1635F	1636F	1637F	1638F	1639F	163AF	163BF	163CF	163DF	163EF	163FF

	1640	1641	1642	1643	1644	1645	1646	1647	1648	1649	164A	164B	164C	164D	164E	164F
0	16400	16410	16420	16430	16440	16450	16460	16470	16480	16490	164A0	164B0	164C0	164D0	164E0	164F0
1	16401	16411	16421	16431	16441	16451	16461	16471	16481	16491	164A1	164B1	164C1	164D1	164E1	164F1
2	16402	16412	16422	16432	16442	16452	16462	16472	16482	16492	164A2	164B2	164C2	164D2	164E2	164F2
3	16403	16413	16423	16433	16443	16453	16463	16473	16483	16493	164A3	164B3	164C3	164D3	164E3	164F3
4	16404	16414	16424	16434	16444	16454	16464	16474	16484	16494	164A4	164B4	164C4	164D4	164E4	164F4
5	16405	16415	16425	16435	16445	16455	16465	16475	16485	16495	164A5	164B5	164C5	164D5	164E5	164F5
6	16406	16416	16426	16436	16446	16456	16466	16476	16486	16496	164A6	164B6	164C6	164D6	164E6	164F6
7	16407	16417	16427	16437	16447	16457	16467	16477	16487	16497	164A7	164B7	164C7	164D7	164E7	164F7
8	16408	16418	16428	16438	16448	16458	16468	16478	16488	16498	164A8	164B8	164C8	164D8	164E8	164F8
9	16409	16419	16429	16439	16449	16459	16469	16479	16489	16499	164A9	164B9	164C9	164D9	164E9	164F9
A	1640A	1641A	1642A	1643A	1644A	1645A	1646A	1647A	1648A	1649A	164AA	164BA	164CA	164DA	164EA	164FA
B	1640B	1641B	1642B	1643B	1644B	1645B	1646B	1647B	1648B	1649B	164AB	164BB	164CB	164DB	164EB	164FB
C	1640C	1641C	1642C	1643C	1644C	1645C	1646C	1647C	1648C	1649C	164AC	164BC	164CC	164DC	164EC	164FC
D	1640D	1641D	1642D	1643D	1644D	1645D	1646D	1647D	1648D	1649D	164AD	164BD	164CD	164DD	164ED	164FD
E	1640E	1641E	1642E	1643E	1644E	1645E	1646E	1647E	1648E	1649E	164AE	164BE	164CE	164DE	164EE	164FE
F	1640F	1641F	1642F	1643F	1644F	1645F	1646F	1647F	1648F	1649F	164AF	164BF	164CF	164DF	164EF	164FF

	1650	1651	1652	1653	1654	1655	1656	1657	1658	1659	165A	165B	165C	165D	165E	165F
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1	16501	16511	16521	16531	16541	16551	16561	16571	16581	16591	165A1	165B1	165C1	165D1	165E1	165F1
2	16502	16512	16522	16532	16542	16552	16562	16572	16582	16592	165A2	165B2	165C2	165D2	165E2	165F2
3	16503	16513	16523	16533	16543	16553	16563	16573	16583	16593	165A3	165B3	165C3	165D3	165E3	165F3
4	16504	16514	16524	16534	16544	16554	16564	16574	16584	16594	165A4	165B4	165C4	165D4	165E4	165F4
5	16505	16515	16525	16535	16545	16555	16565	16575	16585	16595	165A5	165B5	165C5	165D5	165E5	165F5
6	16506	16516	16526	16536	16546	16556	16566	16576	16586	16596	165A6	165B6	165C6	165D6	165E6	165F6
7	16507	16517	16527	16537	16547	16557	16567	16577	16587	16597	165A7	165B7	165C7	165D7	165E7	165F7
8	16508	16518	16528	16538	16548	16558	16568	16578	16588	16598	165A8	165B8	165C8	165D8	165E8	165F8
9	16509	16519	16529	16539	16549	16559	16569	16579	16589	16599	165A9	165B9	165C9	165D9	165E9	165F9
A	1650A	1651A	1652A	1653A	1654A	1655A	1656A	1657A	1658A	1659A	165AA	165BA	165CA	165DA	165EA	165FA
B	1650B	1651B	1652B	1653B	1654B	1655B	1656B	1657B	1658B	1659B	165AB	165BB	165CB	165DB	165EB	165FB
C	1650C	1651C	1652C	1653C	1654C	1655C	1656C	1657C	1658C	1659C	165AC	165BC	165CC	165DC	165EC	165FC
D	1650D	1651D	1652D	1653D	1654D	1655D	1656D	1657D	1658D	1659D	165AD	165BD	165CD	165DD	165ED	165FD
E	1650E	1651E	1652E	1653E	1654E	1655E	1656E	1657E	1658E	1659E	165AE	165BE	165CE	165DE	165EE	165FE
F	1650F	1651F	1652F	1653F	1654F	1655F	1656F	1657F	1658F	1659F	165AF	165BF	165CF	165DF	165EF	165FF

	1660	1661	1662	1663	1664	1665	1666	1667	1668	1669	166A	166B	166C	166D	166E	166F
0	16600	16610	16620	16630	16640	16650	16660	16670	16680	16690	166A0	166B0	166C0	166D0	166E0	166F0
1	16601	16611	16621	16631	16641	16651	16661	16671	16681	16691	166A1	166B1	166C1	166D1	166E1	166F1
2	16602	16612	16622	16632	16642	16652	16662	16672	16682	16692	166A2	166B2	166C2	166D2	166E2	166F2
3	16603	16613	16623	16633	16643	16653	16663	16673	16683	16693	166A3	166B3	166C3	166D3	166E3	166F3
4	16604	16614	16624	16634	16644	16654	16664	16674	16684	16694	166A4	166B4	166C4	166D4	166E4	166F4
5	16605	16615	16625	16635	16645	16655	16665	16675	16685	16695	166A5	166B5	166C5	166D5	166E5	166F5
6	16606	16616	16626	16636	16646	16656	16666	16676	16686	16696	166A6	166B6	166C6	166D6	166E6	166F6
7	16607	16617	16627	16637	16647	16657	16667	16677	16687	16697	166A7	166B7	166C7	166D7	166E7	166F7
8	16608	16618	16628	16638	16648	16658	16668	16678	16688	16698	166A8	166B8	166C8	166D8	166E8	166F8
9	16609	16619	16629	16639	16649	16659	16669	16679	16689	16699	166A9	166B9	166C9	166D9	166E9	166F9
A	1660A	1661A	1662A	1663A	1664A	1665A	1666A	1667A	1668A	1669A	166AA	166BA	166CA	166DA	166EA	166FA
B	1660B	1661B	1662B	1663B	1664B	1665B	1666B	1667B	1668B	1669B	166AB	166BB	166CB	166DB	166EB	166FB
C	1660C	1661C	1662C	1663C	1664C	1665C	1666C	1667C	1668C	1669C	166AC	166BC	166CC	166DC	166EC	166FC
D	1660D	1661D	1662D	1663D	1664D	1665D	1666D	1667D	1668D	1669D	166AD	166BD	166CD	166DD	166ED	166FD
E	1660E	1661E	1662E	1663E	1664E	1665E	1666E	1667E	1668E	1669E	166AE	166BE	166CE	166DE	166EE	166FE
F	1660F	1661F	1662F	1663F	1664F	1665F	1666F	1667F	1668F	1669F	166AF	166BF	166CF	166DF	166EF	166FF

	1670	1671	1672	1673	1674	1675	1676	1677	1678	1679	167A	167B	167C	167D	167E	167F
0	16700	16710	16720	16730	16740	? 16750	16760	abc 16770						0 167D0	167E0	167F0
1	16701	16711	16721	16731	16741	! 16751	16761	ABГ 16771					½ 167C1	1 167D1	167E1	167F1
2	16702	16712	16722	16732	16742	. 16752	16762	αβγ 16772					⅓ 167C2	2 167D2	167E2	167F2
3	16703	16713	16723	16733	16743	, 16753	16763	АБВ 16773					¼ 167C3	3 167D3	167E3	167F3
4	16704	16714	16724	16734	16744	: 16754	16764	абв 16774					⅔ 167C4	4 167D4	167E4	167F4
5	16705	16715	16725	16735	16745	; 16755	16765	אבג 16775					¾ 167C5	5 167D5	167E5	167F5
6	16706	16716	16726	16736	16746	? 16756	16766	ابجد 16776					167C6	6 167D6	167E6	167F6
7	16707	16717	16727	16737	16747	! 16757	% 16767	16777					167C7	7 167D7	167E7	167F7
8	16708	16718	16728	16738	16748	' 16758	¢ 16768						167C8	8 167D8	167E8	167F8
9	16709	16719	16729	16739	16749	' 16759	$ 16769						167C9	9 167D9	167E9	167F9
A	1670A	1671A	1672A	1673A	1674A	, 1675A	£ 1676A						167CA	ZBL WSP 167DA	167EA	167FA
B	1670B	1671B	1672B	1673B	1674B	" 1675B	¥ 1676B						167CB	ZBL PSP 167DB	167EB	167FB
C	1670C	1671C	1672C	1673C	1674C	" 1675C	₪ 1676C						167CC	× 167DC	167EC	167FC
D	1670D	1671D	1672D	1673D	1674D	„ 1675D	€ 1676D						167CD	167DD	167ED	167FD
E	1670E	1671E	1672E	1673E	1674E	« 1675E	₽ 1676E						167CE	167DE	167EE	167FE
F	1670F	1671F	1672F	1673F	1674F	» 1675F	ABC 1676F						167CF	167DF	167EF	167FF

Appendix 5. Primitives and pointers

Glyph elements called "pointers" typically they point to a relevant part of a character that makes precise its meaning, but because they can appear in any of eight orientations and pretty much anywhere inside or outside a glyph at any vertical or horizontal position, it has been (since 1998) obvious that there was no UCS mechanism for dynamic positioning of these as diacritical elements. During the early twenty-first century, a certain number of characters were devised as "primitives" alongside characters with inherent pointers; some of these primitives did not have a meaning of their own, but were nevertheless added to the character set and to the BCI Authorized Vocabulary for the purposes of meta-discussion of the writing system, or for potential re-use if meanings were later assigned to them. In the past year, however, this collection was reviewed and alterations were made so that there are now no longer any "meaningless primitives" in the character set.

The chart highlighting the primitives and the pointered characters associated with them.

This is informative and of interest in terms of relationships between characters within the writing system. There are no encoding ramifications associated with this.

In the chart:
- Blissymbols in cells coloured GREEN are primitives serving as the basis for characters differentiated with pointers.
- Blissymbols in cells coloured BLUE are their clients with pointers.
- Blissymbols in cells coloured MAGENTA are flanked by the "radiation pointers".
- Blissymbols in cells coloured YELLOW have the pointers fused with (or deleting) the reference line.
- Some other characters with pointers that are really not pointers are coloured YELLOW-BLUE.

	1620	1621	1622	1623	1624	1625	1626	1627	1628	1629	162A	162B	162C	162D	162E	162F
0	16200	16210	16220	16230	16240	16250	16260	16270	16280	16290	162A0	162B0	162C0	162D0	162E0	162F0
1	16201	16211	16221	16231	16241	16251	16261	16271	16281	16291	162A1	162B1	162C1	162D1	162E1	162F1
2	16202	16212	16222	16232	16242	16252	16262	16272	16282	16292	162A2	162B2	162C2	162D2	162E2	162F2
3	16203	16213	16223	16233	16243	16253	16263	16273	16283	16293	162A3	162B3	162C3	162D3	162E3	162F3
4	16204	16214	16224	16234	16244	16254	16264	16274	16284	16294	162A4	162B4	162C4	162D4	162E4	162F4
5	16205	16215	16225	16235	16245	16255	16265	16275	16285	16295	162A5	162B5	162C5	162D5	162E5	162F5
6	16206	16216	16226	16236	16246	16256	16266	16276	16286	16296	162A6	162B6	162C6	162D6	162E6	162F6
7	16207	16217	16227	16237	16247	16257	16267	16277	16287	16297	162A7	162B7	162C7	162D7	162E7	162F7
8	16208	16218	16228	16238	16248	16258	16268	16278	16288	16298	162A8	162B8	162C8	162D8	162E8	162F8
9	16209	16219	16229	16239	16249	16259	16269	16279	16289	16299	162A9	162B9	162C9	162D9	162E9	162F9
A	1620A	1621A	1622A	1623A	1624A	1625A	1626A	1627A	1628A	1629A	162AA	162BA	162CA	162DA	162EA	162FA
B	1620B	1621B	1622B	1623B	1624B	1625B	1626B	1627B	1628B	1629B	162AB	162BB	162CB	162DB	162EB	162FB
C	1620C	1621C	1622C	1623C	1624C	1625C	1626C	1627C	1628C	1629C	162AC	162BC	162CC	162DC	162EC	162FC
D	1620D	1621D	1622D	1623D	1624D	1625D	1626D	1627D	1628D	1629D	162AD	162BD	162CD	162DD	162ED	162FD
E	1620E	1621E	1622E	1623E	1624E	1625E	1626E	1627E	1628E	1629E	162AE	162BE	162CE	162DE	162EE	162FE
F	1620F	1621F	1622F	1623F	1624F	1625F	1626F	1627F	1628F	1629F	162AF	162BF	162CF	162DF	162EF	162FF

	1630	1631	1632	1633	1634	1635	1636	1637	1638	1639	163A	163B	163C	163D	163E	163F
0	16300	16310	16320	16330	16340	16350	16360	16370	16380	16390	163A0	163B0	163C0	163D0	163E0	163F0
1	16301	16311	16321	16331	16341	16351	16361	16371	16381	16391	163A1	163B1	163C1	163D1	163E1	163F1
2	16302	16312	16322	16332	16342	16352	16362	16372	16382	16392	163A2	163B2	163C2	163D2	163E2	163F2
3	16303	16313	16323	16333	16343	16353	16363	16373	16383	16393	163A3	163B3	163C3	163D3	163E3	163F3
4	16304	16314	16324	16334	16344	16354	16364	16374	16384	16394	163A4	163B4	163C4	163D4	163E4	163F4
5	16305	16315	16325	16335	16345	16355	16365	16375	16385	16395	163A5	163B5	163C5	163D5	163E5	163F5
6	16306	16316	16326	16336	16346	16356	16366	16376	16386	16396	163A6	163B6	163C6	163D6	163E6	163F6
7	16307	16317	16327	16337	16347	16357	16367	16377	16387	16397	163A7	163B7	163C7	163D7	163E7	163F7
8	16308	16318	16328	16338	16348	16358	16368	16378	16388	16398	163A8	163B8	163C8	163D8	163E8	163F8
9	16309	16319	16329	16339	16349	16359	16369	16379	16389	16399	163A9	163B9	163C9	163D9	163E9	163F9
A	1630A	1631A	1632A	1633A	1634A	1635A	1636A	1637A	1638A	1639A	163AA	163BA	163CA	163DA	163EA	163FA
B	1630B	1631B	1632B	1633B	1634B	1635B	1636B	1637B	1638B	1639B	163AB	163BB	163CB	163DB	163EB	163FB
C	1630C	1631C	1632C	1633C	1634C	1635C	1636C	1637C	1638C	1639C	163AC	163BC	163CC	163DC	163EC	163FC
D	1630D	1631D	1632D	1633D	1634D	1635D	1636D	1637D	1638D	1639D	163AD	163BD	163CD	163DD	163ED	163FD
E	1630E	1631E	1632E	1633E	1634E	1635E	1636E	1637E	1638E	1639E	163AE	163BE	163CE	163DE	163EE	163FE
F	1630F	1631F	1632F	1633F	1634F	1635F	1636F	1637F	1638F	1639F	163AF	163BF	163CF	163DF	163EF	163FF

	1640	1641	1642	1643	1644	1645	1646	1647	1648	1649	164A	164B	164C	164D	164E	164F
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1	16401	16411	16421	16431	16441	16451	16461	16471	16481	16491	164A1	164B1	164C1	164D1	164E1	164F1
2	16402	16412	16422	16432	16442	16452	16462	16472	16482	16492	164A2	164B2	164C2	164D2	164E2	164F2
3	16403	16413	16423	16433	16443	16453	16463	16473	16483	16493	164A3	164B3	164C3	164D3	164E3	164F3
4	16404	16414	16424	16434	16444	16454	16464	16474	16484	16494	164A4	164B4	164C4	164D4	164E4	164F4
5	16405	16415	16425	16435	16445	16455	16465	16475	16485	16495	164A5	164B5	164C5	164D5	164E5	164F5
6	16406	16416	16426	16436	16446	16456	16466	16476	16486	16496	164A6	164B6	164C6	164D6	164E6	164F6
7	16407	16417	16427	16437	16447	16457	16467	16477	16487	16497	164A7	164B7	164C7	164D7	164E7	164F7
8	16408	16418	16428	16438	16448	16458	16468	16478	16488	16498	164A8	164B8	164C8	164D8	164E8	164F8
9	16409	16419	16429	16439	16449	16459	16469	16479	16489	16499	164A9	164B9	164C9	164D9	164E9	164F9
A	1640A	1641A	1642A	1643A	1644A	1645A	1646A	1647A	1648A	1649A	164AA	164BA	164CA	164DA	164EA	164FA
B	1640B	1641B	1642B	1643B	1644B	1645B	1646B	1647B	1648B	1649B	164AB	164BB	164CB	164DB	164EB	164FB
C	1640C	1641C	1642C	1643C	1644C	1645C	1646C	1647C	1648C	1649C	164AC	164BC	164CC	164DC	164EC	164FC
D	1640D	1641D	1642D	1643D	1644D	1645D	1646D	1647D	1648D	1649D	164AD	164BD	164CD	164DD	164ED	164FD
E	1640E	1641E	1642E	1643E	1644E	1645E	1646E	1647E	1648E	1649E	164AE	164BE	164CE	164DE	164EE	164FE
F	1640F	1641F	1642F	1643F	1644F	1645F	1646F	1647F	1648F	1649F	164AF	164BF	164CF	164DF	164EF	164FF

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1	16501	16511	16521	16531	16541	16551	16561	16571	16581	16591	165A1	165B1	165C1	165D1	165E1	165F1
2	16502	16512	16522	16532	16542	16552	16562	16572	16582	16592	165A2	165B2	165C2	165D2	165E2	165F2
3	16503	16513	16523	16533	16543	16553	16563	16573	16583	16593	165A3	165B3	165C3	165D3	165E3	165F3
4	16504	16514	16524	16534	16544	16554	16564	16574	16584	16594	165A4	165B4	165C4	165D4	165E4	165F4
5	16505	16515	16525	16535	16545	16555	16565	16575	16585	16595	165A5	165B5	165C5	165D5	165E5	165F5
6	16506	16516	16526	16536	16546	16556	16566	16576	16586	16596	165A6	165B6	165C6	165D6	165E6	165F6
7	16507	16517	16527	16537	16547	16557	16567	16577	16587	16597	165A7	165B7	165C7	165D7	165E7	165F7
8	16508	16518	16528	16538	16548	16558	16568	16578	16588	16598	165A8	165B8	165C8	165D8	165E8	165F8
9	16509	16519	16529	16539	16549	16559	16569	16579	16589	16599	165A9	165B9	165C9	165D9	165E9	165F9
A	1650A	1651A	1652A	1653A	1654A	1655A	1656A	1657A	1658A	1659A	165AA	165BA	165CA	165DA	165EA	165FA
B	1650B	1651B	1652B	1653B	1654B	1655B	1656B	1657B	1658B	1659B	165AB	165BB	165CB	165DB	165EB	165FB
C	1650C	1651C	1652C	1653C	1654C	1655C	1656C	1657C	1658C	1659C	165AC	165BC	165CC	165DC	165EC	165FC
D	1650D	1651D	1652D	1653D	1654D	1655D	1656D	1657D	1658D	1659D	165AD	165BD	165CD	165DD	165ED	165FD
E	1650E	1651E	1652E	1653E	1654E	1655E	1656E	1657E	1658E	1659E	165AE	165BE	165CE	165DE	165EE	165FE
F	1650F	1651F	1652F	1653F	1654F	1655F	1656F	1657F	1658F	1659F	165AF	165BF	165CF	165DF	165EF	165FF

	1660	1661	1662	1663	1664	1665	1666	1667	1668	1669	166A	166B	166C	166D	166E	166F
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1	16601	16611	16621	16631	16641	16651	16661	16671	16681	16691	166A1	166B1	166C1	166D1	166E1	166F1
2	16602	16612	16622	16632	16642	16652	16662	16672	16682	16692	166A2	166B2	166C2	166D2	166E2	166F2
3	16603	16613	16623	16633	16643	16653	16663	16673	16683	16693	166A3	166B3	166C3	166D3	166E3	166F3
4	16604	16614	16624	16634	16644	16654	16664	16674	16684	16694	166A4	166B4	166C4	166D4	166E4	166F4
5	16605	16615	16625	16635	16645	16655	16665	16675	16685	16695	166A5	166B5	166C5	166D5	166E5	166F5
6	16606	16616	16626	16636	16646	16656	16666	16676	16686	16696	166A6	166B6	166C6	166D6	166E6	166F6
7	16607	16617	16627	16637	16647	16657	16667	16677	16687	16697	166A7	166B7	166C7	166D7	166E7	166F7
8	16608	16618	16628	16638	16648	16658	16668	16678	16688	16698	166A8	166B8	166C8	166D8	166E8	166F8
9	16609	16619	16629	16639	16649	16659	16669	16679	16689	16699	166A9	166B9	166C9	166D9	166E9	166F9
A	1660A	1661A	1662A	1663A	1664A	1665A	1666A	1667A	1668A	1669A	166AA	166BA	166CA	166DA	166EA	166FA
B	1660B	1661B	1662B	1663B	1664B	1665B	1666B	1667B	1668B	1669B	166AB	166BB	166CB	166DB	166EB	166FB
C	1660C	1661C	1662C	1663C	1664C	1665C	1666C	1667C	1668C	1669C	166AC	166BC	166CC	166DC	166EC	166FC
D	1660D	1661D	1662D	1663D	1664D	1665D	1666D	1667D	1668D	1669D	166AD	166BD	166CD	166DD	166ED	166FD
E	1660E	1661E	1662E	1663E	1664E	1665E	1666E	1667E	1668E	1669E	166AE	166BE	166CE	166DE	166EE	166FE
F	1660F	1661F	1662F	1663F	1664F	1665F	1666F	1667F	1668F	1669F	166AF	166BF	166CF	166DF	166EF	166FF

	1670	1671	1672	1673	1674	1675	1676	1677	1678	1679	167A	167B	167C	167D	167E	167F
0	16700	16710	16720	16730	16740	16750	16760	abc 16770						0 167D0	167E0	167F0
1	16701	16711	16721	16731	16741	! 16751	16761	ΑΒΓ 16771					½ 167C1	1 167D1	167E1	167F1
2	16702	16712	16722	16732	16742	. 16752	16762	αβγ 16772					⅓ 167C2	2 167D2	167E2	167F2
3	16703	16713	16723	16733	16743	, 16753	16763	АБВ 16773					¼ 167C3	3 167D3	167E3	167F3
4	16704	16714	16724	16734	16744	: 16754	16764	абв 16774					⅔ 167C4	4 167D4	167E4	167F4
5	16705	16715	16725	16735	16745	; 16755	16765	אבג 16775					¾ 167C5	5 167D5	167E5	167F5
6	16706	16716	16726	16736	16746	? 16756	16766	ابجد 16776					167C6	6 167D6	167E6	167F6
7	16707	16717	16727	16737	16747	! 16757	% 16767	16777					167C7	7 167D7	167E7	167F7
8	16708	16718	16728	16738	16748	16758	¢ 16768						167C8	8 167D8	167E8	167F8
9	16709	16719	16729	16739	16749	16759	$ 16769						167C9	9 167D9	167E9	167F9
A	1670A	1671A	1672A	1673A	1674A	1675A	£ 1676A						167CA	ZBL WSP 167DA	167EA	167FA
B	1670B	1671B	1672B	1673B	1674B	« 1675B	¥ 1676B						167CB	ZBL PSP 167DB	167EB	167FB
C	1670C	1671C	1672C	1673C	1674C	1675C	₪ 1676C						167CC	167DC	167EC	167FC
D	1670D	1671D	1672D	1673D	1674D	1675D	€ 1676D						167CD	167DD	167ED	167FD
E	1670E	1671E	1672E	1673E	1674E	« 1675E	₽ 1676E						167CE	167DE	167EE	167FE
F	1670F	1671F	1672F	1673F	1674F	» 1675F	ABC 1676F						167CF	167DF	167EF	167FF

Appendix 6. Delta from N1866

Blissymbols in cells coloured GREEN were proposed in N1866 (L2/98-364), 1998-09-10. The other characters have been added in the last 24 years. There are 872 characters proposed in N1866 (this number omits 15 characters not to be encoded), and 1463 in the full chart of characters now proposed. This is an increase of 60%.

This is informative and may be of interest to reviewers of the proposal who would like to see the delta between the 1998 exploratory proposal and this one. There are no encoding ramifications associated with this.

	1620	1621	1622	1623	1624	1625	1626	1627	1628	1629	162A	162B	162C	162D	162E	162F
0	16200	16210	16220	16230	16240	16250	16260	16270	16280	16290	162A0	162B0	162C0	162D0	162E0	162F0
1	16201	16211	16221	16231	16241	16251	16261	16271	16281	16291	162A1	162B1	162C1	162D1	162E1	162F1
2	16202	16212	16222	16232	16242	16252	16262	16272	16282	16292	162A2	162B2	162C2	162D2	162E2	162F2
3	16203	16213	16223	16233	16243	16253	16263	16273	16283	16293	162A3	162B3	162C3	162D3	162E3	162F3
4	16204	16214	16224	16234	16244	16254	16264	16274	16284	16294	162A4	162B4	162C4	162D4	162E4	162F4
5	16205	16215	16225	16235	16245	16255	16265	16275	16285	16295	162A5	162B5	162C5	162D5	162E5	162F5
6	16206	16216	16226	16236	16246	16256	16266	16276	16286	16296	162A6	162B6	162C6	162D6	162E6	162F6
7	16207	16217	16227	16237	16247	16257	16267	16277	16287	16297	162A7	162B7	162C7	162D7	162E7	162F7
8	16208	16218	16228	16238	16248	16258	16268	16278	16288	16298	162A8	162B8	162C8	162D8	162E8	162F8
9	16209	16219	16229	16239	16249	16259	16269	16279	16289	16299	162A9	162B9	162C9	162D9	162E9	162F9
A	1620A	1621A	1622A	1623A	1624A	1625A	1626A	1627A	1628A	1629A	162AA	162BA	162CA	162DA	162EA	162FA
B	1620B	1621B	1622B	1623B	1624B	1625B	1626B	1627B	1628B	1629B	162AB	162BB	162CB	162DB	162EB	162FB
C	1620C	1621C	1622C	1623C	1624C	1625C	1626C	1627C	1628C	1629C	162AC	162BC	162CC	162DC	162EC	162FC
D	1620D	1621D	1622D	1623D	1624D	1625D	1626D	1627D	1628D	1629D	162AD	162BD	162CD	162DD	162ED	162FD
E	1620E	1621E	1622E	1623E	1624E	1625E	1626E	1627E	1628E	1629E	162AE	162BE	162CE	162DE	162EE	162FE
F	1620F	1621F	1622F	1623F	1624F	1625F	1626F	1627F	1628F	1629F	162AF	162BF	162CF	162DF	162EF	162FF

	1630	1631	1632	1633	1634	1635	1636	1637	1638	1639	163A	163B	163C	163D	163E	163F
0	16300	16310	16320	16330	16340	16350	16360	16370	16380	16390	163A0	163B0	163C0	163D0	163E0	163F0
1	16301	16311	16321	16331	16341	16351	16361	16371	16381	16391	163A1	163B1	163C1	163D1	163E1	163F1
2	16302	16312	16322	16332	16342	16352	16362	16372	16382	16392	163A2	163B2	163C2	163D2	163E2	163F2
3	16303	16313	16323	16333	16343	16353	16363	16373	16383	16393	163A3	163B3	163C3	163D3	163E3	163F3
4	16304	16314	16324	16334	16344	16354	16364	16374	16384	16394	163A4	163B4	163C4	163D4	163E4	163F4
5	16305	16315	16325	16335	16345	16355	16365	16375	16385	16395	163A5	163B5	163C5	163D5	163E5	163F5
6	16306	16316	16326	16336	16346	16356	16366	16376	16386	16396	163A6	163B6	163C6	163D6	163E6	163F6
7	16307	16317	16327	16337	16347	16357	16367	16377	16387	16397	163A7	163B7	163C7	163D7	163E7	163F7
8	16308	16318	16328	16338	16348	16358	16368	16378	16388	16398	163A8	163B8	163C8	163D8	163E8	163F8
9	16309	16319	16329	16339	16349	16359	16369	16379	16389	16399	163A9	163B9	163C9	163D9	163E9	163F9
A	1630A	1631A	1632A	1633A	1634A	1635A	1636A	1637A	1638A	1639A	163AA	163BA	163CA	163DA	163EA	163FA
B	1630B	1631B	1632B	1633B	1634B	1635B	1636B	1637B	1638B	1639B	163AB	163BB	163CB	163DB	163EB	163FB
C	1630C	1631C	1632C	1633C	1634C	1635C	1636C	1637C	1638C	1639C	163AC	163BC	163CC	163DC	163EC	163FC
D	1630D	1631D	1632D	1633D	1634D	1635D	1636D	1637D	1638D	1639D	163AD	163BD	163CD	163DD	163ED	163FD
E	1630E	1631E	1632E	1633E	1634E	1635E	1636E	1637E	1638E	1639E	163AE	163BE	163CE	163DE	163EE	163FE
F	1630F	1631F	1632F	1633F	1634F	1635F	1636F	1637F	1638F	1639F	163AF	163BF	163CF	163DF	163EF	163FF

	1640	1641	1642	1643	1644	1645	1646	1647	1648	1649	164A	164B	164C	164D	164E	164F
0	16400	16410	16420	16430	16440	16450	16460	16470	16480	16490	164A0	164B0	164C0	164D0	164E0	164F0
1	16401	16411	16421	16431	16441	16451	16461	16471	16481	16491	164A1	164B1	164C1	164D1	164E1	164F1
2	16402	16412	16422	16432	16442	16452	16462	16472	16482	16492	164A2	164B2	164C2	164D2	164E2	164F2
3	16403	16413	16423	16433	16443	16453	16463	16473	16483	16493	164A3	164B3	164C3	164D3	164E3	164F3
4	16404	16414	16424	16434	16444	16454	16464	16474	16484	16494	164A4	164B4	164C4	164D4	164E4	164F4
5	16405	16415	16425	16435	16445	16455	16465	16475	16485	16495	164A5	164B5	164C5	164D5	164E5	164F5
6	16406	16416	16426	16436	16446	16456	16466	16476	16486	16496	164A6	164B6	164C6	164D6	164E6	164F6
7	16407	16417	16427	16437	16447	16457	16467	16477	16487	16497	164A7	164B7	164C7	164D7	164E7	164F7
8	16408	16418	16428	16438	16448	16458	16468	16478	16488	16498	164A8	164B8	164C8	164D8	164E8	164F8
9	16409	16419	16429	16439	16449	16459	16469	16479	16489	16499	164A9	164B9	164C9	164D9	164E9	164F9
A	1640A	1641A	1642A	1643A	1644A	1645A	1646A	1647A	1648A	1649A	164AA	164BA	164CA	164DA	164EA	164FA
B	1640B	1641B	1642B	1643B	1644B	1645B	1646B	1647B	1648B	1649B	164AB	164BB	164CB	164DB	164EB	164FB
C	1640C	1641C	1642C	1643C	1644C	1645C	1646C	1647C	1648C	1649C	164AC	164BC	164CC	164DC	164EC	164FC
D	1640D	1641D	1642D	1643D	1644D	1645D	1646D	1647D	1648D	1649D	164AD	164BD	164CD	164DD	164ED	164FD
E	1640E	1641E	1642E	1643E	1644E	1645E	1646E	1647E	1648E	1649E	164AE	164BE	164CE	164DE	164EE	164FE
F	1640F	1641F	1642F	1643F	1644F	1645F	1646F	1647F	1648F	1649F	164AF	164BF	164CF	164DF	164EF	164FF

	1650	1651	1652	1653	1654	1655	1656	1657	1658	1659	165A	165B	165C	165D	165E	165F
0	16500	16510	16520	16530	16540	16550	16560	16570	16580	16590	165A0	165B0	165C0	165D0	165E0	165F0
1	16501	16511	16521	16531	16541	16551	16561	16571	16581	16591	165A1	165B1	165C1	165D1	165E1	165F1
2	16502	16512	16522	16532	16542	16552	16562	16572	16582	16592	165A2	165B2	165C2	165D2	165E2	165F2
3	16503	16513	16523	16533	16543	16553	16563	16573	16583	16593	165A3	165B3	165C3	165D3	165E3	165F3
4	16504	16514	16524	16534	16544	16554	16564	16574	16584	16594	165A4	165B4	165C4	165D4	165E4	165F4
5	16505	16515	16525	16535	16545	16555	16565	16575	16585	16595	165A5	165B5	165C5	165D5	165E5	165F5
6	16506	16516	16526	16536	16546	16556	16566	16576	16586	16596	165A6	165B6	165C6	165D6	165E6	165F6
7	16507	16517	16527	16537	16547	16557	16567	16577	16587	16597	165A7	165B7	165C7	165D7	165E7	165F7
8	16508	16518	16528	16538	16548	16558	16568	16578	16588	16598	165A8	165B8	165C8	165D8	165E8	165F8
9	16509	16519	16529	16539	16549	16559	16569	16579	16589	16599	165A9	165B9	165C9	165D9	165E9	165F9
A	1650A	1651A	1652A	1653A	1654A	1655A	1656A	1657A	1658A	1659A	165AA	165BA	165CA	165DA	165EA	165FA
B	1650B	1651B	1652B	1653B	1654B	1655B	1656B	1657B	1658B	1659B	165AB	165BB	165CB	165DB	165EB	165FB
C	1650C	1651C	1652C	1653C	1654C	1655C	1656C	1657C	1658C	1659C	165AC	165BC	165CC	165DC	165EC	165FC
D	1650D	1651D	1652D	1653D	1654D	1655D	1656D	1657D	1658D	1659D	165AD	165BD	165CD	165DD	165ED	165FD
E	1650E	1651E	1652E	1653E	1654E	1655E	1656E	1657E	1658E	1659E	165AE	165BE	165CE	165DE	165EE	165FE
F	1650F	1651F	1652F	1653F	1654F	1655F	1656F	1657F	1658F	1659F	165AF	165BF	165CF	165DF	165EF	165FF

	1660	1661	1662	1663	1664	1665	1666	1667	1668	1669	166A	166B	166C	166D	166E	166F
0	16600	16610	16620	16630	16640	16650	16660	16670	16680	16690	166A0	166B0	166C0	166D0	166E0	166F0
1	16601	16611	16621	16631	16641	16651	16661	16671	16681	16691	166A1	166B1	166C1	166D1	166E1	166F1
2	16602	16612	16622	16632	16642	16652	16662	16672	16682	16692	166A2	166B2	166C2	166D2	166E2	166F2
3	16603	16613	16623	16633	16643	16653	16663	16673	16683	16693	166A3	166B3	166C3	166D3	166E3	166F3
4	16604	16614	16624	16634	16644	16654	16664	16674	16684	16694	166A4	166B4	166C4	166D4	166E4	166F4
5	16605	16615	16625	16635	16645	16655	16665	16675	16685	16695	166A5	166B5	166C5	166D5	166E5	166F5
6	16606	16616	16626	16636	16646	16656	16666	16676	16686	16696	166A6	166B6	166C6	166D6	166E6	166F6
7	16607	16617	16627	16637	16647	16657	16667	16677	16687	16697	166A7	166B7	166C7	166D7	166E7	166F7
8	16608	16618	16628	16638	16648	16658	16668	16678	16688	16698	166A8	166B8	166C8	166D8	166E8	166F8
9	16609	16619	16629	16639	16649	16659	16669	16679	16689	16699	166A9	166B9	166C9	166D9	166E9	166F9
A	1660A	1661A	1662A	1663A	1664A	1665A	1666A	1667A	1668A	1669A	166AA	166BA	166CA	166DA	166EA	166FA
B	1660B	1661B	1662B	1663B	1664B	1665B	1666B	1667B	1668B	1669B	166AB	166BB	166CB	166DB	166EB	166FB
C	1660C	1661C	1662C	1663C	1664C	1665C	1666C	1667C	1668C	1669C	166AC	166BC	166CC	166DC	166EC	166FC
D	1660D	1661D	1662D	1663D	1664D	1665D	1666D	1667D	1668D	1669D	166AD	166BD	166CD	166DD	166ED	166FD
E	1660E	1661E	1662E	1663E	1664E	1665E	1666E	1667E	1668E	1669E	166AE	166BE	166CE	166DE	166EE	166FE
F	1660F	1661F	1662F	1663F	1664F	1665F	1666F	1667F	1668F	1669F	166AF	166BF	166CF	166DF	166EF	166FF

	1670	1671	1672	1673	1674	1675	1676	1677	1678	1679	167A	167B	167C	167D	167E	167F
0	16700	16710	16720	16730	16740	16750	16760	16770						167D0	167E0	167F0
1	16701	16711	16721	16731	16741	16751	16761	16771					$\frac{1}{2}$ 167C1	167D1	167E1	167F1
2	16702	16712	16722	16732	16742	16752	16762	16772					$\frac{1}{3}$ 167C2	167D2	167E2	167F2
3	16703	16713	16723	16733	16743	16753	16763	16773					$\frac{1}{4}$ 167C3	167D3	167E3	167F3
4	16704	16714	16724	16734	16744	16754	16764	16774					$\frac{2}{3}$ 167C4	167D4	167E4	167F4
5	16705	16715	16725	16735	16745	16755	16765	16775					$\frac{3}{4}$ 167C5	167D5	167E5	167F5
6	16706	16716	16726	16736	16746	16756	16766	16776					167C6	167D6	167E6	167F6
7	16707	16717	16727	16737	16747	16757	16767	16777					167C7	167D7	167E7	167F7
8	16708	16718	16728	16738	16748	16758	16768						167C8	167D8	167E8	167F8
9	16709	16719	16729	16739	16749	16759	16769						167C9	167D9	167E9	167F9
A	1670A	1671A	1672A	1673A	1674A	1675A	1676A						167CA	ZBL WSP 167DA	167EA	167FA
B	1670B	1671B	1672B	1673B	1674B	1675B	1676B						167CB	ZBL PSP 167DB	167EB	167FB
C	1670C	1671C	1672C	1673C	1674C	1675C	1676C						167CC	167DC	167EC	167FC
D	1670D	1671D	1672D	1673D	1674D	1675D	1676D						167CD	167DD	167ED	167FD
E	1670E	1671E	1672E	1673E	1674E	1675E	1676E						167CE	167DE	167EE	167FE
F	1670F	1671F	1672F	1673F	1674F	1675F	1676F						167CF	167DF	167EF	167FF

A. Administrative

1. Title
Preliminary proposal for encoding Blissymbols in the UCS
2. Requester's name
Michael Everson, Blissymbolics Communication UK
3. Requester type (Member body/Liaison/Individual contribution)
Individual contribution.
4. Submission date
2023-06-23
5. Requester's reference (if applicable)
6. Choose one of the following:
6a. This is a complete proposal
Yes.
6b. More information will be provided later
No.

B. Technical – General

1. Choose one of the following:
1a. This proposal is for a new script (set of characters)
Yes.
1b. Proposed name of script
Blissymbols.
1c. The proposal is for addition of character(s) to an existing block
No.
1d. Name of the existing block
2. Number of characters in proposal
1463.
3. Proposed category (A-Contemporary; B.1-Specialized (small collection); B.2-Specialized (large collection); C-Major extinct; D-Attested extinct; E-Minor extinct; F-Archaic Hieroglyphic or Ideographic; G-Obscure or questionable usage symbols)
Category A.
4a. Is a repertoire including character names provided?
Yes.
4b. If YES, are the names in accordance with the "character naming guidelines" in Annex L of P&P document?
Yes.
4c. Are the character shapes attached in a legible form suitable for review?
Yes.
5a. Who will provide the appropriate computerized font to the Project Editor of 10646 for publishing the standard?
Michael Everson.
5b. Identify the party granting a license for use of the font by the editors (include address, e-mail, ftp-site, etc.).
Michael Everson, Glyphs 3.
6a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?
Yes.
6b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached?
Yes.
7. Does the proposal address other aspects of character data processing (if applicable) such as input, presentation, sorting, searching, indexing, transliteration etc. (if yes please enclose information)?
Yes.
8. Submitters are invited to provide any additional information about Properties of the proposed Character(s) or Script that will assist in correct understanding of and correct linguistic processing of the proposed character(s) or script. Examples of such properties are: Casing information, Numeric information, Currency information, Display behaviour information such as line breaks, widths etc., Combining behaviour, Spacing behaviour, Directional behaviour, Default Collation behaviour, relevance in Mark Up contexts, Compatibility equivalence and other Unicode normalization related information. See the Unicode standard at http://www.unicode.org for such information on other scripts. Also see UAX #44 http://www.unicode.org/reports/tr44/ and associated Unicode Technical Reports for information needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard.
See above.

C. Technical – Justification

1. Has this proposal for addition of character(s) been submitted before? If YES, explain.
Yes, in 1999 in N1866.
2a. Has contact been made to members of the user community (for example: National Body, user groups of the script or characters, other experts, etc.)?
Yes.
2b. If YES, with whom?
Sally .
2c. If YES, available relevant documents
3. Information on the user community for the proposed characters (for example: size, demographics, information technology use, or publishing use) is included? Reference:
See above.

4a. The context of use for the proposed characters (type of use; common or rare)

As rare as non-speaking people and their families and carers are. It's a specialized language and script.

4b. Reference

5a. Are the proposed characters in current use by the user community?

Yes.

5b. If YES, where? Reference:

Schools and daily life.

6a. After giving due considerations to the principles in the P&P document must the proposed characters be entirely in the BMP?

No.

6b. If YES, is a rationale provided?

6c. If YES, reference

7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)?

Yes.

8a. Can any of the proposed characters be considered a presentation form of an existing character or character sequence?

No. Pictographic similarity is accidental.

8b. If YES, is a rationale for its inclusion provided?

8c. If YES, reference

9a. Can any of the proposed characters be encoded using a composed character sequence of either existing characters or other proposed characters?

No.

9b. If YES, is a rationale for its inclusion provided?

9c. If YES, reference

10a. Can any of the proposed character(s) be considered to be similar (in appearance or function) to an existing character?

No.

10b. If YES, is a rationale for its inclusion provided?

10c. If YES, reference

11a. Does the proposal include use of combining characters and/or use of composite sequences?

Yes.

11b. If YES, is a rationale for such use provided?

Yes.

11c. If YES, reference

See above.

11d. Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided?

No. Examples are given above but not a full listing which would comprise 48,416 glyphs (1424 × 34).

11e. If YES, reference

12a. Does the proposal contain characters with any special properties such as control function or similar semantics?

No.

12b. If YES, describe in detail (include attachment if necessary)

13a. Does the proposal contain any Ideographic compatibility character(s)?

No.

13b. If YES, is the equivalent corresponding unified ideographic character(s) identified? If YES, reference