L2/03-415

INITIATIVE FOR CUNEIFORM ENCODING PROPOSAL

November 1, 2003

[IMPORTANT NOTE: Due to the pressures of time and other considerations this is one of two proposals submitted to the Unicode Technical Committee by the Initiative for Cuneiform Encoding prior to the UTC meeting at Johns Hopkins University in Baltimore, Nov. 4-7, 2003. This is NOT, however, intended as two competing proposals; it is merely insurance to make sure all exigencies are covered before the ICE proposal presentation at UTC. We intend to present a single proposal.]

We find ourselves at an historic crux in the history of writing. From our vantage point we can look backwards 5600 years to the beginnings of the world's first writing, cuneiform, and we can look forward into a future where that heritage will be preserved. International computer standards make it possible.

Sumero-Akkadian cuneiform is the world's oldest and longest used writing system. The earliest texts appear in Mesopotamia around 3600 BC and the last native cuneiform texts were written around 75 AD. The ancient scribes pressed the ends of their styluses into damp clay in order to write the approximately 800 different syllabic, logographic, or taxographic signs of this complex, poly-valent script. The clay tablets were sun-dried or baked by fire and were thus preserved in the sands of the Near East for millennia.

Since the decipherment of Babylonian cuneiform some 150 years ago museums have accumulated perhaps 300,000 tablets written in most of the major languages of the Ancient Near East - Sumerian, Akkadian (Babylonian and Assyrian), Eblaite, Hittite, Hurrian, and Elamite. These texts include genres as variegated as mythology and mathematics, law codes and beer recipes. In most cases these documents are the earliest exemplars of their genres, and cuneiformists have made unique and valuable contributions to the study of such disciplines as history, law, religion, linguistics, mathematics, and science.

In spite of continued great interest in mankind's earliest documents it has been estimated that only about 1/10 of the extant cuneiform texts have been read even once in modern times. There are various reasons for this: the complex script system is inherently difficult to learn; there is, as yet, no standard computer encoding for cuneiform; there are only a few hundred qualified cuneiformists in the world; the pedagogical tools are, in many cases, non-optimal; and access to the widely distributed tablets is expensive, time-consuming, and, due to the vagaries of politics, becoming increasingly difficult. The general practice among cuneiformists of working almost exclusively in Latin alphabetic transliteration, although adequate for its intended purposes, is a hindrance to the pervasive use of computers in cuneiform research and instruction.

Michael Everson was probably the first person to propose encoding cuneiform in Unicode. Karljuergen Feuerherm was the first cuneiform scholar to propose it, and he promoted the prospect at international Assyriological conferences and, jointly with Lloyd Anderson, on his own web site. Dean Snyder, at a seminal conference on Electronic Publication of Ancient Near Eastern Texts, held at the Oriental Institute of the University of Chicago in October 1999,

proposed the computer encoding of cuneiform and was encouraged to pursue it. This lead to the founding of the Initiative for Cuneiform Encoding (ICE) at Johns Hopkins in the Spring of 2000. ICE is an international group of cuneiformists, Unicode experts, software engineers, linguists, and font architects organized for the purpose of proposing a standard computer encoding for cuneiform. In 2002, ICE, via the Digital Hammurabi Project, received a U.S. National Science Foundation grant to complete the work of encoding cuneiform.

The current proposal represents the historic merger of several specialized and general sign lists, some published and some unpublished. Of particular interest among the creators of unpublished sign lists we mention:

* Miguel Civil, Oriental Institute, University of Chicago
* Robert Englund, Madeleine Fitzgerald, and Cale Johnson, Cuneiform Digital Library Initiative, UCLA
* Rykle Borger, Mesopotamische Zeichenlexikon (forthcoming), Goettingen University
* Jeremy Black, Electronic Text Corpus of Sumerian Literature, Oxford University
* Steve Tinney, Pennsylvania Sumerian Dictioary Project, University of Pennsylvania

Special recognition should go to Steve Tinney for merging the Civil/CDLI/PSD sign lists and editing them.

[We have temporarily used Linguist's Software's AkkadianU(nicode) TrueType font to create the Neo-Assyrian glyph images included in this proposal (as opposed to embedding the font in the PDF file, which is against Linguist's Software's license stipulations, without paying an extra fee). But, for the final proposal, we plan to use the URIII period font, "Cuneiform Classic", being created by Steve Tinney and Michael Everson.]

ISO/IEC JTC1/SC2/WG2 N2545
2003-11-01

Universal Multiple-Octet Coded Character Set
International Organization for Standardization
Organisation internationale de normalisation
еждународная организация по стандартизации

Doc Type: Working Group Document
Title: Proposal to Encode the Sumero-Akkadian Cuneiform Script in the UCS
Source: Initiative for Cuneiform Encoding (ICE)
Status: Expert Contribution
Action: For consideration by JTC1/SC2/WG2 and UTC
Date: 2003-11-01

A. Administrative
1. Title
Proposal to Encode Sumero-Akkadian Cuneiform Script in the UCS
2. Requester's name
Initiative for Cuneiform Encoding (ICE)
3. Requester type (Member body/Liaison/Individual contribution)
Expert contribution
4. Submission date
2003-11-01
5. Requester's reference (if applicable)
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6. Choose one of the following:
6a. This is a complete proposal
No
6b. More information will be provided later
Yes. This proposal is approximately 90% complete; we foresee finishing the proposal by March 2004

B. Technical -- General
1. Choose one of the following:
1a. This proposal is for a new script (set of characters)
Yes

Proposed name of script
Cuneiform
1b. The proposal is for addition of character(s) to an existing block
No
1b. Name of the existing block

2. Number of characters in proposal
745

3. Proposed category (see section II, Character Categories)
General Category (including L, M, N, P, S, Zs)

4a. Proposed Level of Implementation (1, 2 or 3) (see clause 14, ISO/IEC 10646-1: 2000)
Level 1
4b. Is a rationale provided for the choice?
No
4c. If YES, reference

5a. Is a repertoire including character names provided?
Yes
5b. If YES, are the names in accordance with the character naming guidelines in Annex L of ISO/IEC 10646-1: 2000?
Yes
5c. Are the character shapes attached in a legible form suitable for review?
Yes. Approximately 75% of the character shapes in the final proposal are included in this proposal.

6a. Who will provide the appropriate computerized font (ordered preference: True Type, or PostScript format) for
publishing the standard?
Steve Tinney and Michael Everson
6b. If available now, identify source(s) for the font (include address, e-mail, ftp-site, etc.) and indicate the tools used:

7a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?
Yes
7b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters
attached?
Yes

8. 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)?
No.

9. 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 Unicode Character Database http://www.unicode.org/Public/UNIDATA/UnicodeCharacter
Database.html and associated Unicode Technical Reports for information needed for consideration by the Unicode
Technical Committee for inclusion in the Unicode Standard.

C. Technical -- Justification
1. Has this proposal for addition of character(s) been submitted before? If YES, explain.
No

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?
The Initiative for Cuneiform Encoding, Johns Hopkins University, has been in continual contact with large numbers of the cuneiform and Unicode communities over its 3 years work on this proposal - presenting at international conferences, convening 2 international workshops, and presenting for comment and discussion earlier forms of this proposal on the Unicode hosted cuneiform email list and ICE and PSD web sites. Members of both ICE1 and ICE2 working groups represent a broad spectrum of cuneiform scholars, Unicode experts, software engineers, and font architects. The cuneiformists, in particular, represent an internationally recognized group of leading scholars who are specialists in various areas of cuneiform research. Several of these scholars have contributed historically significant unpublished sign lists which have for the first time been merged into the ICE proposal.
2c. If YES, available relevant documents
www.jhu.edu/ice

3. Information on the user community for the proposed characters (for example: size, demographics, information technology
use, or publishing use) is included?
Cuneiformists and other scholars

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

These characters are the basis of the world's oldest writing system, Sumero-Akkadian cuneiform, and as such are indispensable for modern day cuneiform text research and publishing. They are used primarily by the relatively small international cuneiform scholarly community.
4b. Reference

5a. Are the proposed characters in current use by the user community?
Yes.
5b. If YES, where?
Scholarly research and publications.

6a. After giving due considerations to the principles in Principles and Procedures document (a WG 2 standing document)
must the proposed characters be entirely in the BMP?
No. Plane 1, the SMP (Supplementary Multilingual Plane), U+12000-U+12FFF, have been designated in the Unicode roadmap for Sumero-Akkadian Cuneiform.
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
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?
Yes
9b. If YES, is a rationale for its inclusion provided? A few of the compound characters (as they are called by cuneiformists, in order to differentiate them from complex, or embedded, characters) have become frozen, non-productive forms both in the ancient script and in modern cuneiformists' psyches (similar to "w" in Latin script), and it was felt only right to encode these few.
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 (see clauses 4.12 and 4.14 in ISO/IEC 10646-1: 2000)?
Yes
11b. If YES, is a rationale for such use provided? There are a few non-spacing, accent/ punctuation characaters.
11c. If YES, reference

12a. Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided?
No.But some may be provided for the final proposal.
12b. If YES, reference

13a. Does the proposal contain characters with any special properties such as control function or similar semantics?
No.
13b. If YES, describe in detail (include attachment if necessary)

14a. Does the proposal contain any Ideographic compatibility character(s)?
No.
14b. If YES, is the equivalent corresponding unified ideographic character(s) identified?

PARTICIPANTS in the INITIATIVE FOR CUNEIFORM ENCODING (ICE)

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ICE1 2000-2002

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ICE2 2003-

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Dale Keiger
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Bruce Wells
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ENCODING ISSUES

WHICH CUNEIFORM?

Wedge-shaped signs were used in several ancient script systems to write several languages. We have not included Old Persian and Ugaritic in our encoding because, although they are strictly cuneiform, they are different script systems than the Sumero-Akkadian cuneiform script system.

WHICH PERIODS?

For a number of reasons, primarily because it is an active and fluid area of research, we have not systematically included archaic, or proto, cuneiform in our encoding, Other than including what we positively know off-hand for sure from the earliest periods, we really begin our encoding with the URIII period and continue on down to the end of cuneiform usage in the first century AD.

WHICH SIGNS?

Mergers & Splits

Over the almost 4 millenia of its use, the cuneiform script system, of course, evolved. In addition to a general tendency toward simplification of individual signs, several groups of signs were merged into single signs and, less often, a single sign could be split into separate signs. We are encoding all the separate diachronic members of merged and split sign groups.

Compound & Complex Signs

We have agreed to encode complex signs (those signs that have one or more signs embedded in them).

With few exceptions, we will not encode compound signs (those signs that are juxtaposed, or even ligated, one after the other in semantic clusters). A handful of exceptions will be made for those compound signs that have become such common frozen forms to both the ancient scribes and to modern cuneiformists that they warrant a separate encoding (much like "w" in the Latin alphabet).

WHAT ABOUT NUMBERS?

After much discussion, we have concluded that all signs used as numbers will be encoded separately as numbers even if they are also used as "letters". This is based on the observation that in the earlier periods most numbers were written differently than the signs with which they merged in later periods, and therefore they fall under our ruling on merged signs.

WHAT NAMES?

The sign names we are using are the ones in common use today, except for most of the complex signs, to which we are assigning analytical names.

WHICH SIGN ORDER?

It is a matter of active discussion, but we decided provisionally at the ICE2 conference to make the default order of the signs follow the modern names for them, although practically all modern sign lists organize the signs by shape, and the ancient sign lists were organized semantically.

WHAT ABOUT LEGACY ISSUES?

In the early years of cuneiform print publishing there was some use made of cuneiform fonts, but, with some notable exceptions (e.g., the State Archives of Assyria Gilgamesh volume), most modern cuneiform publications use exclusively photographs and hand drawings, "autographs", of the texts and not computer or letterpress cuneiform fonts.

Linguist's Software, Edmonds, Washington, has for some years produced Akkadian cuneiform fonts, and has worked with Rykle Borger in designing fonts used, most notably, in publishing Borger's cuneiform sign lists (cf. MacAkkadian). Recently they have produced AkkadianU, a "complete" Unicode cuneiform font, making use of the private use area.

Before our cuneiform proposal is finalized we will need to decide if we want to support all the "characters" in the various legacy fonts, many of which are compound, or juxtaposed or ligated, signs which we have ruled out of our encoding. In addition, there are some text feature "characters" in some of these older fonts, such has sign effacement and tablet breakage "characters", that we will need to decide how to handle.

BIBLIOGRAPHY

The Inititiative for Cuneiform Encoding has made extensive use of both published and unpublished scholarly materials in establishing its character repertoire. Below is a representative list of published works consulted followed by a complete list of unpublished materials utilized.

PUBLISHED

Borger, Rykle 1981 Assyrisch-babylonische Zeichenliste
Brunnow, R. 1889 A Classified List of All Simple and Compound Cuneiform Ideographs...
Brunnow, R. 1897 Indices zu meiner Classified List
Ellermeier, F. 1979 ff. Sumerisches Glossar
Fossey, Charles 1926 Manuel d'epigraphie akkadienne
Gong, Yushu 2000 Die Namen der Keilschriftzeichen
Labat, Rene 1988 Manuel d'epigraphie akkadienne
Rosengarten, Yvonne 1967 Repertoire commente des signes presargoniques sumeriens de Lagash
Ruester, Christel and Neu, Erich 1989 Hethitisches Zeichenlexikon
von Soden, Wolfram 1976 Das Akkadische Syllabar
Steve, M.-J. 1992 Syllabaire Elamite: Histoire et Paleographie
Walker, Christopher B. F. 2000 Reading the Past; Cuneiform

UNPUBLISHED

Black, Jeremy 2003 Oxford University, unpublished sign list of The Electronic Text Corpus of Sumerian Literature <http://www-etcsl.orient.ox.ac.uk/>

Borger, Rykle 2003 Universitaet Goettingen, unplublished sign list from his forthcoming (early 2004) Mesopotamisches Zeichenlexikon

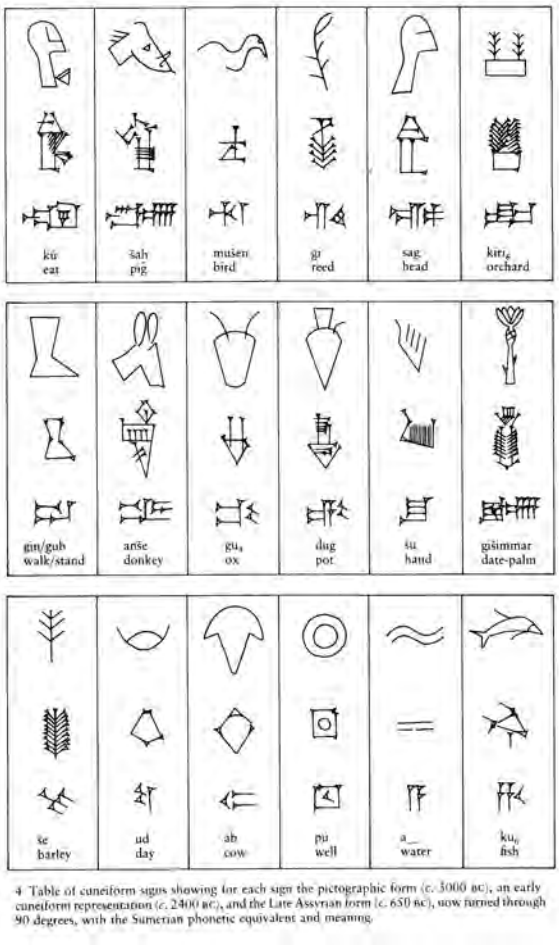
Civil, Miquel 2003 Oriental Institute, University of Chicago, personal unpublished sign list
Englund, Robert 2003 UCLA, unpublished sign list Cuneiform Digital Library Initiative <http://cdli.ucla.edu/>

Parpola, Simo 2002 University of Helsinki, unpublished sign list from the State Archives of Assyria Project <http://www.helsinki.fi/science/saa/>

Tinney, Steve 2003 University of Pennsylvania, unpublished sign list of the Pennsylvnia Sumerian Dictionary Project <http://psd.museum.upenn.edu/> & <http://psd.museum.upenn.edu/ICE/>

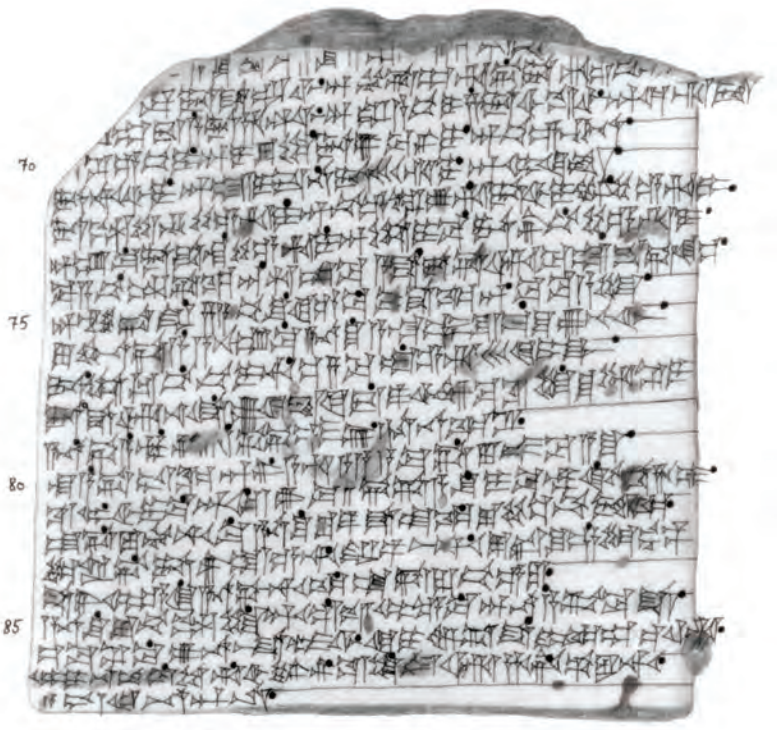
1. Archaic Jemdet Nasr Tablet

2. “Firing” Holes on a Tablet



4 Table of cuneiform signs showing for each sign the pictographic form (c. 3000 BC), an early cuneiform representation (c. 2400 BC), and the Late Assyrian form (c. 650 BC), now turned through 90 degrees, with the Sumerian phonetic equivalent and meaning.

3.



4. El Amarna Tablet #357 Showing Red & Black Ink Dots

	1200	1201	1202	1203	1204
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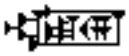
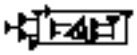
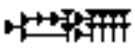
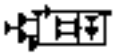
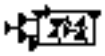
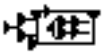
1					
2					
3					
4					
5					
6					
7					
8					
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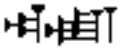
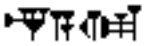
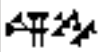
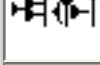
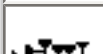
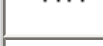
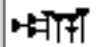
A					
B					
C					
D					
E					
F					

	1205	1206	1207	1208	1209
0					
1					
2					
3					
4					
5					
6					
7					
8					
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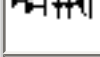
A					
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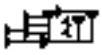
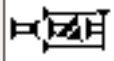
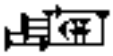
0					
1					
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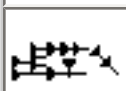
4					
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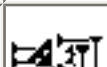
9					
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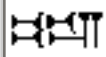
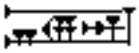
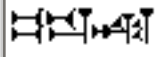
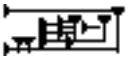
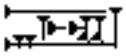
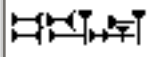
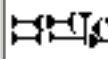
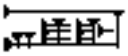
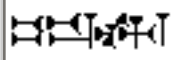
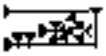
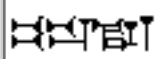
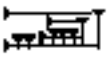
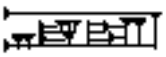
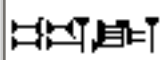
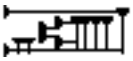
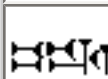
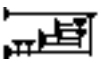
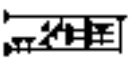
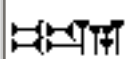
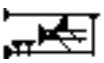
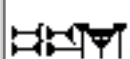
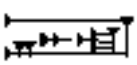
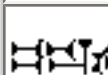
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					
A					
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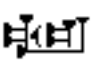
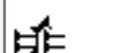
8					
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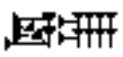
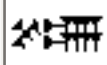
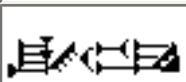
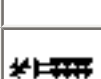
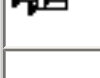
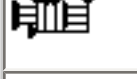
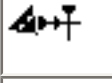
0					
1					
2					
3					
4					
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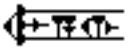
0					
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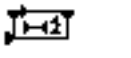
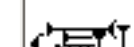
3					
4					
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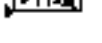
6					
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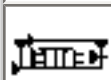
1					
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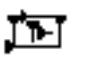
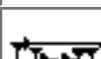
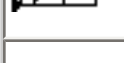
4					
5					
6					
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12000		CUNEIFORM SIGN ASH
12001		CUNEIFORM SIGN ASH TENU
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12003		CUNEIFORM SIGN BAL
12004		CUNEIFORM SIGN BAL OVER BAL
12005		CUNEIFORM SIGN GIR2
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12007		CUNEIFORM SIGN BUR2
12008		CUNEIFORM SIGN TAR
12009		CUNEIFORM SIGN AN
1200A		CUNEIFORM SIGN MUG
1200B		CUNEIFORM SIGN ZADIM
1200C		CUNEIFORM SIGN BA
1200D		CUNEIFORM SIGN ZU
1200E		CUNEIFORM SIGN SU
1200F		CUNEIFORM SIGN SU TIMES A
12010		CUNEIFORM SIGN ARAD
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12017		CUNEIFORM SIGN KA TIMES TAR
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12019		CUNEIFORM SIGN KA TIMES RU
1201A		CUNEIFORM SIGN KA TIMES BAD
1201B		CUNEIFORM SIGN KA TIMES BAR
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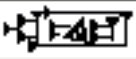
12022		CUNEIFORM SIGN KA TIMES NE
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12024		CUNEIFORM SIGN KA TIMES KIB
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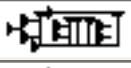
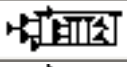
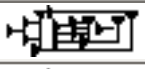
12026		CUNEIFORM SIGN KA TIMES GISH PLUS SAR
12027		CUNEIFORM SIGN KA TIMES SHID
12028		CUNEIFORM SIGN KA TIMES U2
12029		CUNEIFORM SIGN KA TIMES GA
1202A		CUNEIFORM SIGN KA TIMES SAR
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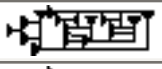
1202E		CUNEIFORM SIGN KA TIMES BALAG
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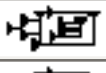
12031		CUNEIFORM SIGN KA TIMES SHU
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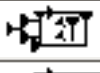
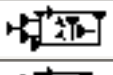
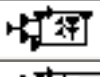
12033		CUNEIFORM SIGN KA TIMES UD
12034		CUNEIFORM SIGN KA TIMES PI
12035		CUNEIFORM SIGN KA TIMES ERIN2
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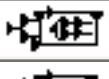
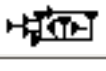
12038		CUNEIFORM SIGN KA TIMES MI
12039		CUNEIFORM SIGN KA TIMES IGI
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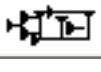
1203B		CUNEIFORM SIGN KA TIMES ME
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1203E		CUNEIFORM SIGN KA TIMES ME PLUS TE
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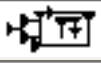
12042		CUNEIFORM SIGN KA TIMES A
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12045		CUNEIFORM SIGN KA TIMES GUR7
12046		CUNEIFORM SIGN KA TIMES GAR PLUS SHA3 PLUS A
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12048		CUNEIFORM SIGN KA TIMES SIG
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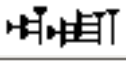
1204A		CUNEIFORM SIGN URU TIMES TU
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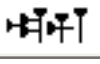
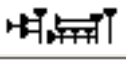
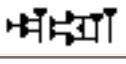
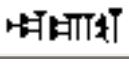
1204C		CUNEIFORM SIGN URU TIMES BAR
1204D		CUNEIFORM SIGN URU TIMES GAN2 TENU
1204E		CUNEIFORM SIGN URU TIMES URUDA
1204F		CUNEIFORM SIGN URU TIMES GA
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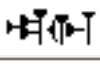
12052		CUNEIFORM SIGN URU TIMES IM
12053		CUNEIFORM SIGN URU TIMES IGI
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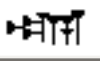
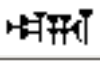
12055		CUNEIFORM SIGN URU TIMES A
12056		CUNEIFORM SIGN URU TIMES HA
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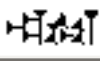
12058		CUNEIFORM SIGN URU TIMES GU
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1205D		CUNEIFORM SIGN MAH
1205E		CUNEIFORM SIGN PAP
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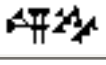
12062		CUNEIFORM SIGN NUMUN GUNU
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12066		CUNEIFORM SIGN KAD3
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12068		CUNEIFORM SIGN RU
12069		CUNEIFORM SIGN NU
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1206B		CUNEIFORM SIGN GURUN
1206C		CUNEIFORM SIGN GURUN
1206D		CUNEIFORM SIGN SHIR
1206E		CUNEIFORM SIGN KUL
1206F		CUNEIFORM SIGN TI
12070		CUNEIFORM SIGN TI TENU
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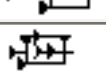
12074		CUNEIFORM SIGN AK
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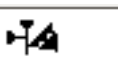
12079		CUNEIFORM SIGN AK TIMES ERIN2
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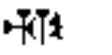
1207E		CUNEIFORM SIGN NAM NUTILLU
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12085		CUNEIFORM SIGN GE TIMES E
12086		CUNEIFORM SIGN RI
12087		CUNEIFORM SIGN NUN
12088		CUNEIFORM SIGN NUN TENU
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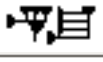
1208D		CUNEIFORM SIGN MUSH3 GUNU
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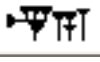
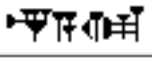
1208F		CUNEIFORM SIGN MUSH3 TIMES A
12090		CUNEIFORM SIGN MUSH3 TIMES A PLUS DI
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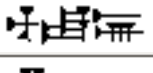
12093		CUNEIFORM SIGN SHINIG
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12098		CUNEIFORM SIGN EN TIMES ME
12099		CUNEIFORM SIGN EN TIMES GAN2 TENU
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1209B		CUNEIFORM SIGN DIM
1209C		CUNEIFORM SIGN DIM TIMES SHE
1209D		CUNEIFORM SIGN BULUG
1209E		CUNEIFORM SIGN BULUG OVER BULUG
1209F		CUNEIFORM SIGN TA TIMES HI

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120A2		CUNEIFORM SIGN ASHGAB
120A3		CUNEIFORM SIGN GAN2
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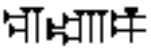
120B3		CUNEIFORM SIGN SAG TIMES UM
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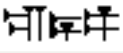
120B7		CUNEIFORM SIGN SAG TIMES KAK
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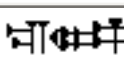
120BC		CUNEIFORM SIGN SAG TIMES MI
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120C0	CUNEIFORM SIGN SAG TIMES LUM
120C1	CUNEIFORM SIGN SAG TIMES HA
120C2 	CUNEIFORM SIGN MA2
120C3 	CUNEIFORM SIGN UZ3
120C4	CUNEIFORM SIGN UZ3 TIMES KASKAL
120C5 	CUNEIFORM SIGN TAB
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120C7 	CUNEIFORM SIGN GESHTIN
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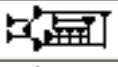
120D5 	CUNEIFORM SIGN AB TIMES GAN2 TENU
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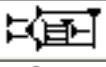
120D8 	CUNEIFORM SIGN AB TIMES GAL
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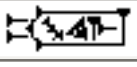
120DA 	CUNEIFORM SIGN AB TIMES SIG7
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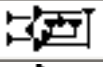
120DE 	CUNEIFORM SIGN AB TIMES LAGAB
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120E2		CUNEIFORM SIGN UM
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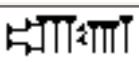
120E6		CUNEIFORM SIGN UM TIMES SHA3
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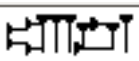
120E8		CUNEIFORM SIGN UM TIMES LAGAB
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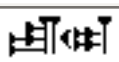
120EC		CUNEIFORM SIGN TA TIMES MI
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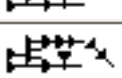
120F4		CUNEIFORM SIGN LUGAL SHESHIG
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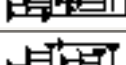
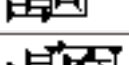
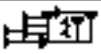
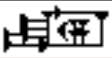
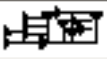
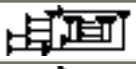
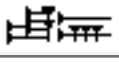
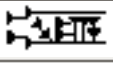
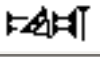
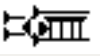
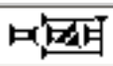
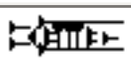
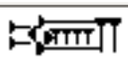
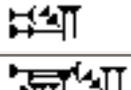
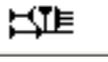
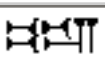
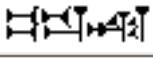
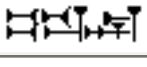
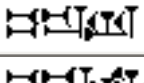
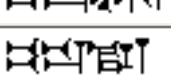
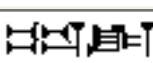
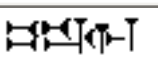
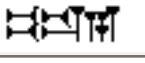
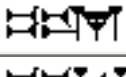
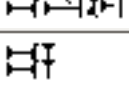
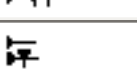
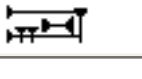
120F7		CUNEIFORM SIGN MA GUNU
120F8		CUNEIFORM SIGN EZEN
120F9		CUNEIFORM SIGN EZEN TIMES AN
120FA		CUNEIFORM SIGN EZEN TIMES LI
120FB		CUNEIFORM SIGN EZEN TIMES LA
120FC		CUNEIFORM SIGN EZEN TIMES BAD
120FD		CUNEIFORM SIGN EZEN TIMES KASKAL
120FE		CUNEIFORM SIGN EZEN TIMES U2
120FF		CUNEIFORM SIGN EZEN TIMES SIG7

12100		CUNEIFORM SIGN EZEN TIMES UD
12101		CUNEIFORM SIGN EZEN TIMES KU3
12102		CUNEIFORM SIGN EZEN TIMES LAL2
12103		CUNEIFORM SIGN EZEN TIMES LU
12104		CUNEIFORM SIGN EZEN TIMES DUN3
12105		CUNEIFORM SIGN EZEN TIMES DUN3 GUNU SHESHIG
12106		CUNEIFORM SIGN EZEN TIMES A
12107		CUNEIFORM SIGN EZEN TIMES A PLUS LAL
12108		CUNEIFORM SIGN EZEN TIMES A PLUS LAL2
12109		CUNEIFORM SIGN EZEN TIMES HA
1210A		CUNEIFORM SIGN SUM
1210B		CUNEIFORM SIGN NAGA
1210C		CUNEIFORM SIGN NAGA TIMES SHU TENU
1210D		CUNEIFORM SIGN PIRIG TIMES KAL
1210E		CUNEIFORM SIGN PIRIG TIMES UD
1210F		CUNEIFORM SIGN PIRIG TIMES ZA
12110		CUNEIFORM SIGN GABA
12111		CUNEIFORM SIGN EDIN
12112		CUNEIFORM SIGN MU OVER MU
12113		CUNEIFORM SIGN KASKAL
12114		CUNEIFORM SIGN GUD TIMES KUR
12115		CUNEIFORM SIGN GUD TIMES A PLUS KUR
12116		CUNEIFORM SIGN UZU
12117		CUNEIFORM SIGN NE SHESHIG
12118		CUNEIFORM SIGN NE
12119		CUNEIFORM SIGN NE TIMES UD
1211A		CUNEIFORM SIGN NE TIMES A
1211B		CUNEIFORM SIGN NINDA2
1211C		CUNEIFORM SIGN NINDA2 TIMES ASH
1211D		CUNEIFORM SIGN NINDA2 TIMES ASH PLUS ASH
1211E		CUNEIFORM SIGN NINDA2 TIMES AN
1211F		CUNEIFORM SIGN NINDA2 TIMES NUN

12120 	CUNEIFORM SIGN NINDA2 TIMES NE
12121	CUNEIFORM SIGN NINDA2 TIMES USH
12122 	CUNEIFORM SIGN NINDA2 TIMES GUD
12123 	CUNEIFORM SIGN NINDA2 TIMES U2 PLUS ASH
12124	CUNEIFORM SIGN NINDA2 TIMES SHE PLUS ASH
12125	CUNEIFORM SIGN NINDA2 TIMES SHE PLUS ASH PLUS ASH
12126	CUNEIFORM SIGN NINDA2 TIMES ME PLUS GAN2
12127 	CUNEIFORM SIGN ZIG
12128 	CUNEIFORM SIGN GALAM
12129 	CUNEIFORM SIGN GUM
1212A 	CUNEIFORM SIGN GUM TIMES SHE
1212B 	CUNEIFORM SIGN UR2
1212C	CUNEIFORM SIGN UR2 TIMES A PLUS HA
1212D 	CUNEIFORM SIGN UR2 TIMES NUN
1212E	CUNEIFORM SIGN UR2 TIMES U2
1212F 	CUNEIFORM SIGN UR2 TIMES U2 PLUS ASH
12130	CUNEIFORM SIGN UR2 TIMES U2 PLUS BI
12131	CUNEIFORM SIGN UR2 TIMES HA
12132 	CUNEIFORM SIGN IL
12133 	CUNEIFORM SIGN IL TIMES GAN2 TENU
12134 	CUNEIFORM SIGN DU
12135 	CUNEIFORM SIGN DU OVER DU
12136 	CUNEIFORM SIGN DU GUNU
12137 	CUNEIFORM SIGN DU SHESHIG
12138 	CUNEIFORM SIGN ANSHE
12139 	CUNEIFORM SIGN TUM
1213A 	CUNEIFORM SIGN EGIR
1213B 	CUNEIFORM SIGN ISH
1213C 	CUNEIFORM SIGN BI
1213D	CUNEIFORM SIGN BI TIMES SIG7
1213E	CUNEIFORM SIGN BI TIMES A
1213F	CUNEIFORM SIGN BI TIMES GAR

12140		CUNEIFORM SIGN SHIM
12141		CUNEIFORM SIGN SHIM TIMES BAL
12142		CUNEIFORM SIGN SHIM TIMES MUG
12143		CUNEIFORM SIGN SHIM TIMES DIN
12144		CUNEIFORM SIGN SHIM TIMES BULUG
12145		CUNEIFORM SIGN SHIM TIMES SIG7
12146		CUNEIFORM SIGN SHIM TIMES LUL
12147		CUNEIFORM SIGN SHIM TIMES IGI
12148		CUNEIFORM SIGN SHIM TIMES A
12149		CUNEIFORM SIGN SHIM TIMES GAR
1214A		CUNEIFORM SIGN SHIM TIMES SAL
1214B		CUNEIFORM SIGN KIB
1214C		CUNEIFORM SIGN KAK
1214D		CUNEIFORM SIGN NI
1214E		CUNEIFORM SIGN NE2 TIMES E
1214F		CUNEIFORM SIGN USH
12150		CUNEIFORM SIGN USH TIMES TAK4
12151		CUNEIFORM SIGN USH TIMES KUR
12152		CUNEIFORM SIGN USH TIMES KU
12153		CUNEIFORM SIGN USH TIMES A
12154		CUNEIFORM SIGN NA4
12155		CUNEIFORM SIGN GA2
12156		CUNEIFORM SIGN GA2 OVER GA2
12157		CUNEIFORM SIGN GA2 TIMES ASH
12158		CUNEIFORM SIGN GA2 TIMES HAL
12159		CUNEIFORM SIGN GA2 TIMES HAL PLUS LA
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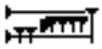
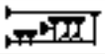
1215B		CUNEIFORM SIGN GA2 TIMES AN
1215C		CUNEIFORM SIGN GA2 TIMES TAK4
1215D		CUNEIFORM SIGN GA2 TIMES BAD
1215E		CUNEIFORM SIGN GA2 TIMES BAR PLUS RA
1215F		CUNEIFORM SIGN GA2 TIMES GI

12160		CUNEIFORM SIGN GA2 TIMES GI GUNU PLUS A
12161		CUNEIFORM SIGN GA2 TIMES NUN
12162		CUNEIFORM SIGN GA2 TIMES HUB2
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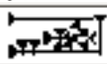
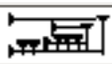
12164		CUNEIFORM SIGN GA2 TIMES DIM TIMES SHE
12165		CUNEIFORM SIGN GA2 TIMES GAN2 TENU
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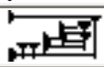
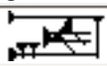
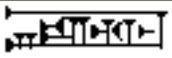
12167		CUNEIFORM SIGN GA2 TIMES SUM
12168		CUNEIFORM SIGN GA2 TIMES KASKAL
12169		CUNEIFORM SIGN GA2 TIMES ISH PLUS HU PLUS ASH
1216A		CUNEIFORM SIGN GA2 TIMES KAK
1216B		CUNEIFORM SIGN GA2 TIMES PA
1216C		CUNEIFORM SIGN GA2 TIMES KID
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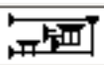
1216E		CUNEIFORM SIGN GA2 TIMES SHID
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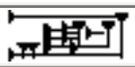
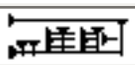
12170		CUNEIFORM SIGN GA2 TIMES GI GUNU
12171		CUNEIFORM SIGN GA2 TIMES SAR
12172		CUNEIFORM SIGN GA2 TIMES DA
12173		CUNEIFORM SIGN GA2 TIMES ASH2 PLUS GAL
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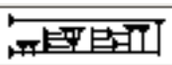
12175		CUNEIFORM SIGN GA2 TIMES BUR PLUS RA
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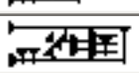
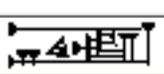
12177		CUNEIFORM SIGN GA2 TIMES SHE PLUS TUR
12178		CUNEIFORM SIGN GA2 TIMES UD
12179		CUNEIFORM SIGN GA2 TIMES UD PLUS DU
1217A		CUNEIFORM SIGN GA2 TIMES HI PLUS LI
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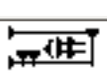
1217C		CUNEIFORM SIGN GA2 TIMES AB2 TENU PLUS TAB
1217D		CUNEIFORM SIGN GA2 TIMES MI
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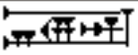
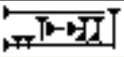
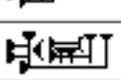
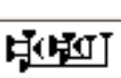
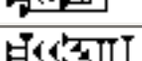
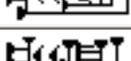
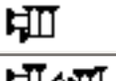
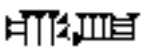
1217F		CUNEIFORM SIGN GA2 TIMES IGI GUNU

12180		CUNEIFORM SIGN GA2 TIMES KU3 PLUS AN
12181		CUNEIFORM SIGN GA2 TIMES ME PLUS EN
12182		CUNEIFORM SIGN GA2 TIMES A PLUS HA PLUS DA
12183		CUNEIFORM SIGN GA2 TIMES A PLUS IGI
12184		CUNEIFORM SIGN GA2 TIMES A PLUS HA
12185		CUNEIFORM SIGN GA2 TIMES HA PLUS LU PLUS ESH2
12186		CUNEIFORM SIGN GA2 TIMES GAR
12187		CUNEIFORM SIGN GA2 TIMES SAL
12188		CUNEIFORM SIGN GA2 TIMES EL
12189		CUNEIFORM SIGN GA2 TIMES EL PLUS LA
1218A		CUNEIFORM SIGN KISAL
1218B		CUNEIFORM SIGN IR
1218C		CUNEIFORM SIGN DAG
1218D		CUNEIFORM SIGN PA
1218E		CUNEIFORM SIGN GISH
1218F		CUNEIFORM SIGN GISH TIMES TAK4
12190		CUNEIFORM SIGN GISH TENU
12191		CUNEIFORM SIGN GISH TIMES BAD
12192		CUNEIFORM SIGN GISH TIMES GISH
12193		CUNEIFORM SIGN GUD
12194		CUNEIFORM SIGN AL
12195		CUNEIFORM SIGN AL TIMES USH
12196		CUNEIFORM SIGN AL TIMES GISH
12197		CUNEIFORM SIGN AL TIMES SHE
12198		CUNEIFORM SIGN AL TIMES AL
12199		CUNEIFORM SIGN AL TIMES DIM2
1219A		CUNEIFORM SIGN AL TIMES KI
1219B		CUNEIFORM SIGN AL TIMES HA
1219C		CUNEIFORM SIGN MAR
1219D		CUNEIFORM SIGN KID
1219E		CUNEIFORM SIGN SHID
1219F		CUNEIFORM SIGN SHID TIMES IM

121A0		CUNEIFORM SIGN SHID TIMES A
121A1		CUNEIFORM SIGN U2
121A2		CUNEIFORM SIGN GA
121A3		CUNEIFORM SIGN GA GUNU
121A4		CUNEIFORM SIGN IL2
121A5		CUNEIFORM SIGN LUH
121A6		CUNEIFORM SIGN E2
121A7		CUNEIFORM SIGN E2 TIMES SHE
121A8		CUNEIFORM SIGN E2 TIMES U
121A9		CUNEIFORM SIGN E2 TIMES MI
121AA		CUNEIFORM SIGN E2 TIMES SAL
121AB		CUNEIFORM SIGN E2 TIMES A PLUS HA PLUS DA
121AC		CUNEIFORM SIGN E2 TIMES GAR
121AD		CUNEIFORM SIGN KAL
121AE		CUNEIFORM SIGN KAL TIMES BAD
121AF		CUNEIFORM SIGN KAL TIMES KAL
121B0		CUNEIFORM SIGN E
121B1		CUNEIFORM SIGN E TIMES PAP
121B2		CUNEIFORM SIGN HILIBU
121B3		CUNEIFORM SIGN DUG
121B4		CUNEIFORM SIGN UN
121B5		CUNEIFORM SIGN NUN OVER NUN
121B6		CUNEIFORM SIGN UB
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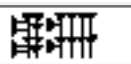
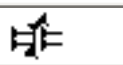
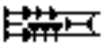
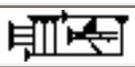
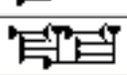
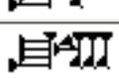
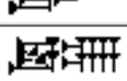
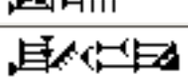
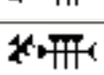
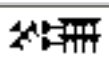
121B8		CUNEIFORM SIGN GI GUNU CROSSING GI GUNU
121B9		CUNEIFORM SIGN GI GUNU OVER GI GUNU
121BA		CUNEIFORM SIGN GU2 GUNU
121BB		CUNEIFORM SIGN RA
121BC		CUNEIFORM SIGN SAG GUNU
121BD		CUNEIFORM SIGN LU2
121BE		CUNEIFORM SIGN LU2 TENU
121BF		CUNEIFORM SIGN LU2 SHESHIG

121C0	CUNEIFORM SIGN LU2 TIMES 4
121C1	CUNEIFORM SIGN LU2 TIMES LA PLUS ASH
121C2 	CUNEIFORM SIGN LU2 TIMES BAD
121C3	CUNEIFORM SIGN LU2 TIMES NU
121C4	CUNEIFORM SIGN LU2 TIMES LAGAB
121C5	CUNEIFORM SIGN LU2 TIMES ME PLUS EN
121C6	CUNEIFORM SIGN LU2 TIMES ESH2
121C7	CUNEIFORM SIGN LU2 TIMES ESH2 TENU
121C8	CUNEIFORM SIGN LU2 TIMES TUG2
121C9	CUNEIFORM SIGN LU2 TIMES SIK2 PLUS BU
121CA	CUNEIFORM SIGN LU2 TIMES KAD2
121CB	CUNEIFORM SIGN LU2 TIMES KAD3
121CC	CUNEIFORM SIGN LU2 TIMES KAD3 PLUS ASH
121CD	CUNEIFORM SIGN LU2 TIMES GAN2 TENU
121CE	CUNEIFORM SIGN LU2 TIMES SI PLUS ASH
121CF	CUNEIFORM SIGN LU2 TIMES NE
121D0	CUNEIFORM SIGN LU2 TIMES IM
121D1	CUNEIFORM SIGN LU2 TIMES AL
121D2	CUNEIFORM SIGN LU2 TIMES LU2
121D3	CUNEIFORM SIGN LU2 TIMES HI TIMES BAD
121D4	CUNEIFORM SIGN LU2 TIMES KI
121D5 	CUNEIFORM SIGN SHESH
121D6 	CUNEIFORM SIGN E785
121D7 	CUNEIFORM SIGN ZAG
121D8 	CUNEIFORM SIGN SAR
121D9 	CUNEIFORM SIGN GAR3
121DA 	CUNEIFORM SIGN LIL
121DB 	CUNEIFORM SIGN MURUB4
121DC 	CUNEIFORM SIGN DE2
121DD 	CUNEIFORM SIGN ASH2
121DE 	CUNEIFORM SIGN MA
121DF	CUNEIFORM SIGN MA TIMES TAK4

121E0 	CUNEIFORM SIGN GAL
121E1 	CUNEIFORM SIGN BARA2
121E2 	CUNEIFORM SIGN LU3
121E3 	CUNEIFORM SIGN DUN3 GUNU
121E4 	CUNEIFORM SIGN DUN3 GUNU SHESHIG
121E5 	CUNEIFORM SIGN HA GUNU
121E6 	CUNEIFORM SIGN BUR
121E7 	CUNEIFORM SIGN A2
121E8 	CUNEIFORM SIGN DA
121E9 	CUNEIFORM SIGN GASHAN
121EA 	CUNEIFORM SIGN DUB2
121EB 	CUNEIFORM SIGN SHA
121EC 	CUNEIFORM SIGN SHU
121ED 	CUNEIFORM SIGN KAD4
121EE 	CUNEIFORM SIGN KAD5
121EF 	CUNEIFORM SIGN LUL
121F0 	CUNEIFORM SIGN SHA6
121F1 	CUNEIFORM SIGN ALAN
121F2 	CUNEIFORM SIGN URI
121F3	CUNEIFORM SIGN ASH ZIDA
121F4 	CUNEIFORM SIGN GAM
121F5  ASH ZIDA	CUNEIFORM SIGN ASH ZIDA OVER ASH ZIDA OVER
121F6 	CUNEIFORM SIGN KUR
121F7 	CUNEIFORM SIGN SHE
121F8 	CUNEIFORM SIGN BU
121F9	CUNEIFORM SIGN BU TIMES BU
121FA 	CUNEIFORM SIGN E75B
121FB 	CUNEIFORM SIGN SUD
121FC 	CUNEIFORM SIGN MUSH
121FD	CUNEIFORM SIGN MUSH TIMES A
121FE	CUNEIFORM SIGN MUSH TIMES ZA
121FF 	CUNEIFORM SIGN MUSH TIMES MUSH

12200		CUNEIFORM SIGN TIR
12201		CUNEIFORM SIGN TIR TIMES TAK4
12202		CUNEIFORM SIGN TIR OVER TIR
12203		CUNEIFORM SIGN TE
12204		CUNEIFORM SIGN TE GUNU
12205		CUNEIFORM SIGN LISH
12206		CUNEIFORM SIGN UD
12207		CUNEIFORM SIGN UD GUNU
12208		CUNEIFORM SIGN UD SHESHIG TIMES BAD
12209		CUNEIFORM SIGN UD TIMES U PLUS U PLUS U
1220A		CUNEIFORM SIGN UD TIMES MI
1220B		CUNEIFORM SIGN PI
1220C		CUNEIFORM SIGN PI TIMES AP
1220D		CUNEIFORM SIGN PI TIMES I
1220E		CUNEIFORM SIGN PI TIMES PI2
1220F		CUNEIFORM SIGN PI TIMES U2
12210		CUNEIFORM SIGN PI TIMES E
12211		CUNEIFORM SIGN PI TIMES U
12212		CUNEIFORM SIGN PI TIMES PU
12213		CUNEIFORM SIGN PI TIMES IP
12214		CUNEIFORM SIGN PI TIMES A
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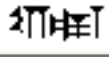
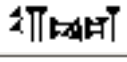
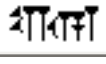
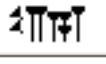
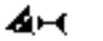
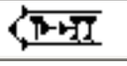
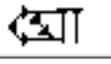
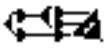
12218		CUNEIFORM SIGN SHA3 TIMES TUR
12219		CUNEIFORM SIGN SHA3 TIMES NE
1221A		CUNEIFORM SIGN SHA3 TIMES U
1221B		CUNEIFORM SIGN SHA3 TIMES U PLUS A
1221C		CUNEIFORM SIGN SHA3 TIMES A
1221D		CUNEIFORM SIGN SHA3 TIMES SHU2
1221E		CUNEIFORM SIGN ERIN2
1221F		CUNEIFORM SIGN NUNUZ

12220 	CUNEIFORM SIGN ASH ZIDA OVER ASH ZIDA OVER ASH ZIDA OVER ASH ZIDA
12221 	CUNEIFORM SIGN HI
12222 	CUNEIFORM SIGN HI TIMES ASH
12223 	CUNEIFORM SIGN A`
12224 	CUNEIFORM SIGN HI TIMES NUN
12225	CUNEIFORM SIGN HI TIMES BAD
12226	CUNEIFORM SIGN HI TIMES GAD
12227 	CUNEIFORM SIGN IM
12228	CUNEIFORM SIGN IM TIMES IM
12229	CUNEIFORM SIGN IM TIMES TAK4
1222A	CUNEIFORM SIGN HI TIMES SHE
1222B	CUNEIFORM SIGN HI TIMES ASH2
1222C	CUNEIFORM SIGN HI TIMES DISH
1222D	CUNEIFORM SIGN HI TIMES KIN
1222E 	CUNEIFORM SIGN SUHUR
1222F	CUNEIFORM SIGN ASH KABA
12230	CUNEIFORM SIGN U
12231	CUNEIFORM SIGN AB2
12232	CUNEIFORM SIGN E87A
12233 	CUNEIFORM SIGN AB2 TIMES GAN2 TENU
12234	CUNEIFORM SIGN AB2 TIMES TAK4
12235	CUNEIFORM SIGN AB2 TIMES BALAG
12236 	CUNEIFORM SIGN AB2 TIMES DUB2
12237 	CUNEIFORM SIGN AB2 TIMES SHA3
12238 	CUNEIFORM SIGN GIR3
12239 	CUNEIFORM SIGN AB2 TIMES ME PLUS EN
1223A	CUNEIFORM SIGN MI
1223B	CUNEIFORM SIGN GUL
1223C	CUNEIFORM SIGN PAN
1223D	CUNEIFORM SIGN DIM2
1223E	CUNEIFORM SIGN KISIM5
1223F	CUNEIFORM SIGN KISIM5 OVER KISIM5

12240		CUNEIFORM SIGN HI TIMES U
12241		CUNEIFORM SIGN NA2
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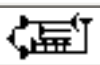
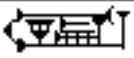
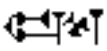
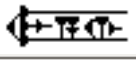
12243		CUNEIFORM SIGN NIM TIMES GAN2 TENU
12244		CUNEIFORM SIGN NIM TIMES GAN2 TENU
12245		CUNEIFORM SIGN NIM TIMES GAR PLUS GAN2 TENU
12246		CUNEIFORM SIGN LAM
12247		CUNEIFORM SIGN LAM TIMES KUR
12248		CUNEIFORM SIGN LAM TIMES KUR PLUS RU
12249		CUNEIFORM SIGN AMAR
1224A		CUNEIFORM SIGN AMAR TIMES SHE
1224B		CUNEIFORM SIGN GIR3
1224C		CUNEIFORM SIGN GIR3 TIMES GAN2 TENU
1224D		CUNEIFORM SIGN GIR3 TIMES PA
1224E		CUNEIFORM SIGN GIR3 TIMES IGI
1224F		CUNEIFORM SIGN GIR3 TIMES LU PLUS IGI
12250		CUNEIFORM SIGN GIR3 TIMES A PLUS IGI
12251		CUNEIFORM SIGN DUGUD
12252		CUNEIFORM SIGN GIG
12253		CUNEIFORM SIGN LAGAR
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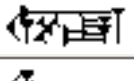
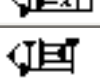
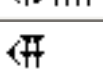
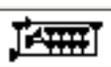
12255		CUNEIFORM SIGN LAGAR TIMES SHE
12256		CUNEIFORM SIGN LAGAR TIMES SHE PLUS SUM
12257		CUNEIFORM SIGN IGI
12258		CUNEIFORM SIGN DI
12259		CUNEIFORM SIGN KI
1225A		CUNEIFORM SIGN KI TIMES BAD
1225B		CUNEIFORM SIGN KI TIMES UD
1225C		CUNEIFORM SIGN KI TIMES U
1225D		CUNEIFORM SIGN SAG NUTILLU
1225E		CUNEIFORM SIGN DUN
1225F		CUNEIFORM SIGN KU3

12260		CUNEIFORM SIGN PAD
12261		CUNEIFORM SIGN E84 8
12262		CUNEIFORM SIGN DISH
12263		CUNEIFORM SIGN LAL
12264		CUNEIFORM SIGN LAL2
12265		CUNEIFORM SIGN LAL2 TIMES HAL
12266		CUNEIFORM SIGN LAL2 TIMES URU TIMES MIN
12267		CUNEIFORM SIGN LAL2 TIMES SAR
12268		CUNEIFORM SIGN LAL2 TIMES DU
12269		CUNEIFORM SIGN LAL2 TIMES KAK
1226A		CUNEIFORM SIGN LAL2 TIMES NI
1226B		CUNEIFORM SIGN ME
1226C		CUNEIFORM SIGN LAGAB
1226D		CUNEIFORM SIGN LAGAB TIMES HAL
1226E		CUNEIFORM SIGN LAGAB TIMES ASH ZIDA
1226F		CUNEIFORM SIGN LAGAB TIMES AN
12270		CUNEIFORM SIGN LAGAB TIMES TAK4
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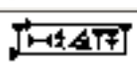
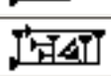
12272		CUNEIFORM SIGN LAGAB TIMES KUL
12273		CUNEIFORM SIGN LAGAB TIMES KUL PLUS HI PLUS A
12274		CUNEIFORM SIGN E7E6
12275		CUNEIFORM SIGN LAGAB TIMES EN
12276		CUNEIFORM SIGN LAGAB TIMES DAR
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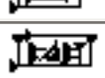
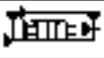
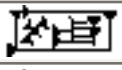
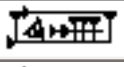
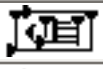
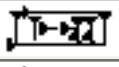
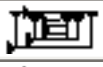
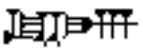
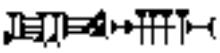
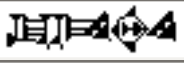
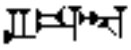
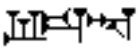
12278		CUNEIFORM SIGN LAGAB TIMES SUM
12279		CUNEIFORM SIGN LAGAB TIMES NE
1227A		CUNEIFORM SIGN LAGAB TIMES USH
1227B		CUNEIFORM SIGN LAGAB TIMES BI
1227C		CUNEIFORM SIGN LAGAB TIMES SHITA TENU
1227D		CUNEIFORM SIGN LAGAB TIMES SHITA PLUS ERIN2
1227E		CUNEIFORM SIGN LAGAB TIMES GUD
1227F		CUNEIFORM SIGN LAGAB TIMES GUD PLUS GUD

12280		CUNEIFORM SIGN LAGAB TIMES AL
12281		CUNEIFORM SIGN LAGAB TIMES U2 PLUS ASH
12282		CUNEIFORM SIGN LAGAB TIMES GA
12283		CUNEIFORM SIGN LAGAB TIMES IGI GUNU
12284		CUNEIFORM SIGN LAGAB TIMES LUL
12285		CUNEIFORM SIGN LAGAB TIMES SHE PLUS SUM
12286		CUNEIFORM SIGN LAGAB TIMES MUSH
12287		CUNEIFORM SIGN LAGAB TIMES LISH
12288		CUNEIFORM SIGN LAGAB TIMES UD
12289		CUNEIFORM SIGN LAGAB TIMES HI TIMES NUN
1228A		CUNEIFORM SIGN LAGAB TIMES IM
1228B		CUNEIFORM SIGN LAGAB TIMES IM PLUS LU
1228C		CUNEIFORM SIGN LAGAB TIMES IM PLUS HA
1228D		CUNEIFORM SIGN LAGAB TIMES U
1228E		CUNEIFORM SIGN LAGAB TIMES U PLUS A
1228F		CUNEIFORM SIGN LAGAB TIMES U PLUS U PLUS U
12290		CUNEIFORM SIGN LAGAB TIMES KI
12291		CUNEIFORM SIGN LAGAB TIMES KU3
12292		CUNEIFORM SIGN LAGAB TIMES LAGAB
12293		CUNEIFORM SIGN LAGAB TIMES ME
12294		CUNEIFORM SIGN LAGAB TIMES ME PLUS EN
12295		CUNEIFORM SIGN LAGAB TIMES LU
12296		CUNEIFORM SIGN LAGAB TIMES KIN
12297		CUNEIFORM SIGN LAGAB TIMES A
12298		CUNEIFORM SIGN LAGAB TIMES A PLUS DA PLUS HA
12299		CUNEIFORM SIGN LAGAB TIMES A PLUS LAL
1229A		CUNEIFORM SIGN LAGAB TIMES A PLUS GAR
1229B		CUNEIFORM SIGN LAGAB TIMES HA
1229C		CUNEIFORM SIGN LAGAB TIMES GAR
1229D		CUNEIFORM SIGN LAGAB TIMES SHU2
1229E		CUNEIFORM SIGN LAGAB TIMES SHU2 PLUS SHU2
1229F		CUNEIFORM SIGN IB

122A0		CUNEIFORM SIGN KU
122A1		CUNEIFORM SIGN LU
122A2		CUNEIFORM SIGN LU TIMES BAD
122A3		CUNEIFORM SIGN KIN
122A4		CUNEIFORM SIGN SIK2
122A5		CUNEIFORM SIGN SIK2 TIMES NUN
122A6		CUNEIFORM SIGN EREN
122A7		CUNEIFORM SIGN GUR7
122A8		CUNEIFORM SIGN MUNSUB
122A9		CUNEIFORM SIGN SHUSHANA
122AA		CUNEIFORM SIGN TUK
122AB		CUNEIFORM SIGN UR
122AC		CUNEIFORM SIGN UR SHESHIG
122AD		CUNEIFORM SIGN UR TIMES UR
122AE		CUNEIFORM SIGN GIDIM
122AF		CUNEIFORM SIGN UDUG
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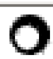
122B1		CUNEIFORM SIGN GIN2
122B2		CUNEIFORM SIGN ISHSHEBU
122B3		CUNEIFORM SIGN A
122B4		CUNEIFORM SIGN A TIMES BAD
122B5		CUNEIFORM SIGN A TIMES SAG
122B6		CUNEIFORM SIGN A TIMES MUSH
122B7		CUNEIFORM SIGN A TIMES LAGAR GUNU
122B8		CUNEIFORM SIGN A TIMES IGI
122B9		CUNEIFORM SIGN A TIMES A
122BA		CUNEIFORM SIGN A TIMES HA
122BB		CUNEIFORM SIGN ZA
122BC		CUNEIFORM SIGN ZA TENU
122BD		CUNEIFORM SIGN HA
122BE		CUNEIFORM SIGN HA TENU
122BF		CUNEIFORM SIGN GAR

122C0		CUNEIFORM SIGN SHU2
122C1		CUNEIFORM SIGN HUL2
122C2		CUNEIFORM SIGN SHEG9
122C3		CUNEIFORM SIGN SIG
122C4		CUNEIFORM SIGN PESH2
122C5		CUNEIFORM SIGN SAL
122C6		CUNEIFORM SIGN ZUM
122C7		CUNEIFORM SIGN DAM
122C8		CUNEIFORM SIGN GU
122C9		CUNEIFORM SIGN GU TIMES GU
122CA		CUNEIFORM SIGN NAGAR
122CB		CUNEIFORM SIGN KUSHU2
122CC		CUNEIFORM SIGN EL
122CD		CUNEIFORM SIGN LUM
122CE		CUNEIFORM SIGN LUM OVER LUM
122CF		CUNEIFORM SIGN SIG4
122D0		CUNEIFORM SIGN EZEN TIMES KASKAL TIMES 4
122D1		CUNEIFORM NUMBER 3 HORZ
122D2		CUNEIFORM NUMBER LIMMU2
122D3		CUNEIFORM NUMBER SIG7
122D4		CUNEIFORM NUMBER NIMIN
122D5		CUNEIFORM NUMBER MIN
122D6		CUNEIFORM NUMBER SHANABI
122D7		CUNEIFORM NUMBER KINGUSILI
122D8		CUNEIFORM NUMBER IA2
122D9		CUNEIFORM NUMBER ASH3
122DA		CUNEIFORM NUMBER IMIN
122DB		CUNEIFORM NUMBER USSU
122DC		CUNEIFORM NUMBER IMIN
122DD		CUNEIFORM NUMBER USSU
122DE		CUNEIFORM NUMBER ILIMMU
122DF		CUNEIFORM NUMBER BANMIN

122E0		CUNEIFORM NUMBER LIMMU5
122E1		CUNEIFORM NUMBER NIESH
122E2		CUNEIFORM NUMBER NIMIN3
122E3		CUNEIFORM PUNCTUATION VERTICAL COLON
122E4		CUNEIFORM PUNCTUATION DIAGONAL COLON
122E5		CUNEIFORM PUNCTUATION DIAGONAL TRICOLON
122E6		CUNEIFORM PUNCTUATION RED INK ACCENT
122E7		CUNEIFORM PUNCTUATION BLACK INK ACCENT
122E8		CUNEIFORM PUNCTUATION FIRING HOLE
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