

# Numeric annotations and properties for cuneiform signs

Robin Leroy

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## 1 Summary

This document proposes Numeric\_Value property assignments for eight characters in the Cuneiform block. It also proposes informative aliases, cross references, and informative notes, as well as some adjustments to subheadings, for the character names lists for the Cuneiform, Cuneiform Numbers and Punctuation, and Early Dynastic Cuneiform blocks.

## 2 Rationale

As noted in text proposed for the core specification in [L2/24-210, p. 3], several series of cuneiform numerals are split between the Cuneiform Numbers and Punctuation block and the main Cuneiform block, whereas other numeric characters have separately encoded unrelated lookalikes in the Cuneiform block.

There are however no cross-references between these blocks, so that it can be difficult to locate the appropriate character to use for a given number. In some

cases, the conventions used in ATF transliteration of numeric notation [Tin19] do not match the character names; this can make it difficult to identify characters and locate their attestations. For example, it recently took the author of this document and Steve Tinney<sup>1</sup> a couple of days to figure out where U+12463 ፩ CUNEIFORM SIGN ONE QUARTER GUR and U+12464 ፪ CUNEIFORM SIGN ONE HALF GUR came from, initially suspecting they might be used in Achæmenid Persepolis; they turned out to be from Ur III Umma, 700 km and 1500 years away, see [P429599; P429605; Sig96; SG14, pp. 283 sq.], but are described in digital corpora as numbers of bariga rather than fractions of a gur (of four bariga).

Further, the characters in the Cuneiform block, which rightfully have General\_Category=Other\_Letter on account of their non-numeric usage, do not have Numeric\_Value assignments. This is inconvenient when handling these numerals programmatically: whereas ፩ has Numeric\_Value=3 because it is  $3 \times ፭$ , and ፭ accordingly has Numeric\_Value=1, ፩ has Numeric\_Value=3 because it is  $3 \times ፭$ , but ፭ has Numeric\_Value=NaN. Note that there is precedent for assigning non-NaN Numeric\_Value to characters with General\_Category=Other\_Letter; many such characters are CJK unified ideographs, which get their Numeric\_Value from the Unihan database, but eight are compatibility ideographs, which get their Numeric\_Value from UnicodeData.txt, as is proposed here.

Some characters, such as U+121F9 CUNEIFORM SIGN LIMMU2, are not merely lookalikes of numeric signs (in this case U+12402 ፩ CUNEIFORM NUMERIC SIGN FOUR ASH), but are effectively duplicate encodings (limmu is the Sumerian word for “four”). No annotations nor changes to properties are proposed for those characters at the moment. A separate proposal will be submitted at a later date to add them to DoNotEmit.txt and to add notes discouraging their use, consistently with existing practice in the [OSL].

### 3 Proposed changes to the Standard

#### 3.1 Immediate character names list changes

The following changes to NamesList.txt are proposed. The affected characters are highlighted in blue in the charts appended to this document. Note that these charts also incorporate the names list changes contingent on [L2/24-210] below. Cross references between unrelated lookalike characters are only proposed from non-numeric characters to numeric characters, not in the other direction: since the Cuneiform block contains both numeric and non-numeric signs, a user could be looking there for a numeric sign and pick the wrong character, such as ZA ፯ for the number 4(diš) = ፯; on the other hand, a user is unlikely to be looking in the Cuneiform Numbers and Punctuation block for the syllable /za/. The annotations on the sign ፭ reflect its status as the first of two different numeral series: the (diš) discrete counting numerals ፭, ፮, ፯, ፱, ፲, ፳, ፴, ፵, ፶, ፷, ፸, ፹, and the (barig) capacity measures ፭, ፭, ፯, ፱; see also [L2/12-328; L2/24-210, p. 21]. Attached: [NamesList-1.patch](#).

```
--- a/unicodetools/data/ucd/dev/NamesList.txt
+++ b/unicodetools/data/ucd/dev/NamesList.txt
@@ -36748,12 +36748,19 @@ FFFF      <not a character>
12036      CUNEIFORM SIGN ARKAB
12037      CUNEIFORM SIGN ASAL2
12038      CUNEIFORM SIGN ASH
```

---

<sup>1</sup>Who was a co-author of the proposals [L2/12-002; L2/12-207R] to encode ፩ and ፪!

```

+      = 1 aš
+      x (cuneiform numeric sign two ash - 12400)
12039      CUNEIFORM SIGN ASH ZIDA TENU
+      = 1 aš tenū
+      = 1 diš tenū
+      x (cuneiform numeric sign two ash tenu - 1244A)
+      = 1/2 iku
1203A      CUNEIFORM SIGN ASH KABA TENU
1203B      CUNEIFORM SIGN ASH OVER ASH TUG2 OVER TUG2 TUG2 OVER TUG2 PAP
1203C      CUNEIFORM SIGN ASH OVER ASH OVER ASH
1203D      CUNEIFORM SIGN ASH OVER ASH OVER ASH CROSSING ASH OVER ASH OVER ASH
1203E      CUNEIFORM SIGN ASH2
+      x (cuneiform numeric sign four ban2 variant form - 12453)
1203F      CUNEIFORM SIGN ASHGAB
12040      CUNEIFORM SIGN BA
12041      CUNEIFORM SIGN BAD
@@ -36813,6 +36820,11 @@ FFFF      <not a character>
12077      CUNEIFORM SIGN DIN
12078      CUNEIFORM SIGN DIN KASKAL U GUNU DISH
12079      CUNEIFORM SIGN DISH
+      = 1 diš
+      x (cuneiform numeric sign three dish - 12408)
+      = 1 bariga
+      x (cuneiform numeric sign nigidamin - 12456)
+      x (cuneiform numeric sign nigidaesh - 12457)
1207A      CUNEIFORM SIGN DU
1207B      CUNEIFORM SIGN DU OVER DU
1207C      CUNEIFORM SIGN DU GUNU
@@ -37242,11 +37254,15 @@ FFFF      <not a character>
12224      CUNEIFORM SIGN MAH
12225      CUNEIFORM SIGN MAR
12226      CUNEIFORM SIGN MASH
+      = 1/2 diš
+      x (cuneiform numeric sign one ban2 - 1244F)
12227      CUNEIFORM SIGN MASH2
12228      CUNEIFORM SIGN ME
12229      CUNEIFORM SIGN MES
1222A      CUNEIFORM SIGN MI
1222B      CUNEIFORM SIGN MIN
+      = 2 dis
+      x (cuneiform numeric sign three dish - 12408)
1222C      CUNEIFORM SIGN MU
1222D      CUNEIFORM SIGN MU OVER MU
1222E      CUNEIFORM SIGN MUG
@@ -37326,6 +37342,7 @@ FFFF      <not a character>
12278      CUNEIFORM SIGN NUNUZ KISIMS TIMES BI
12279      CUNEIFORM SIGN NUNUZ KISIMS TIMES BI U
1227A      CUNEIFORM SIGN PA
+      x (cuneiform numeric sign two ban2 - 12450)
1227B      CUNEIFORM SIGN PAD
1227C      CUNEIFORM SIGN PAN
1227D      CUNEIFORM SIGN PAP
@@ -37389,7 +37406,10 @@ FFFF      <not a character>
122B7      CUNEIFORM SIGN SHA6
122B8      CUNEIFORM SIGN SHAB6
122B9      CUNEIFORM SIGN SHAR2
-      * formed by making a circular indentation with the end of the stylus
+      * merges with 1212D in logographic use in all but the most archaizing texts
+      * the archaic reference glyph is formed by making a circular indentation with the end
  ↳ of the stylus
+      = 1 šar₂
+      x (cuneiform numeric sign two shar2 - 12423)
122BA      CUNEIFORM SIGN SHE
122BB      CUNEIFORM SIGN SHE HU
122BC      CUNEIFORM SIGN SHE OVER SHE GAD OVER GAD GAR OVER GAR
@@ -37474,8 +37494,14 @@ FFFF      <not a character>
12309      CUNEIFORM SIGN TUR
1230A      CUNEIFORM SIGN TUR OVER TUR ZA OVER ZA
1230B      CUNEIFORM SIGN U
+      = 1 u
+      = 1 bur₃
+      x (cuneiform numeric sign four u - 1240F)
1230C      CUNEIFORM SIGN U GUD
1230D      CUNEIFORM SIGN U U U

```

```

+      = 3 u
+      = 3 bur3
+      x (cuneiform numeric sign four u - 1240F)
1230E      CUNEIFORM SIGN U OVER U PA OVER PA GAR OVER GAR
1230F      CUNEIFORM SIGN U OVER U SUR OVER SUR
12310      CUNEIFORM SIGN U OVER U U REVERSED OVER U REVERSED
@@ -37559,7 +37585,9 @@ FFFF      <not a character>
1235B      CUNEIFORM SIGN UZ3 TIMES KASKAL
1235C      CUNEIFORM SIGN UZU
1235D      CUNEIFORM SIGN ZA
+      x (cuneiform numeric sign four dish - 12409)
1235E      CUNEIFORM SIGN ZA TENU
+      x (cuneiform numeric sign four ash tenu - 1244C)
1235F      CUNEIFORM SIGN ZA SQUARED TIMES KUR
12360      CUNEIFORM SIGN ZAG
12361      CUNEIFORM SIGN ZAMX
@@ -37621,9 +37649,15 @@ FFFF      <not a character>
12397      CUNEIFORM SIGN TI2
12398      CUNEIFORM SIGN UM TIMES ME
12399      CUNEIFORM SIGN U U
+      = 2 u
+      = 2 bur3
+      x (cuneiform numeric sign four u - 1240F)
@@      12400      Cuneiform Numbers and Punctuation      1247F
-@      Numeric signs
+@      Common numeric signs
+@+      Used in multiple metrological systems
12400      CUNEIFORM NUMERIC SIGN TWO ASH
+      = 2 iku
+      x (cuneiform sign ash - 12038)
12401      CUNEIFORM NUMERIC SIGN THREE ASH
12402      CUNEIFORM NUMERIC SIGN FOUR ASH
12403      CUNEIFORM NUMERIC SIGN FIVE ASH
@@ -37632,13 +37666,20 @@ FFFF      <not a character>
12406      CUNEIFORM NUMERIC SIGN EIGHT ASH
12407      CUNEIFORM NUMERIC SIGN NINE ASH
12408      CUNEIFORM NUMERIC SIGN THREE DISH
+      x (cuneiform sign dish - 12079)
+      x (cuneiform sign min - 1222B)
12409      CUNEIFORM NUMERIC SIGN FOUR DISH
+      = 4 bariga
1240A      CUNEIFORM NUMERIC SIGN FIVE DISH
1240B      CUNEIFORM NUMERIC SIGN SIX DISH
1240C      CUNEIFORM NUMERIC SIGN SEVEN DISH
1240D      CUNEIFORM NUMERIC SIGN EIGHT DISH
1240E      CUNEIFORM NUMERIC SIGN NINE DISH
1240F      CUNEIFORM NUMERIC SIGN FOUR U
+      = 4 bur3
+      x (cuneiform sign u - 1230B)
+      x (cuneiform sign u u - 12399)
+      x (cuneiform sign u u u - 1230D)
12410      CUNEIFORM NUMERIC SIGN FIVE U
12411      CUNEIFORM NUMERIC SIGN SIX U
12412      CUNEIFORM NUMERIC SIGN SEVEN U
@@ -37659,6 +37700,7 @@ FFFF      <not a character>
12421      CUNEIFORM NUMERIC SIGN FOUR GESHU
12422      CUNEIFORM NUMERIC SIGN FIVE GESHU
12423      CUNEIFORM NUMERIC SIGN TWO SHAR2
+      x (cuneiform sign shar2 - 122B9)
12424      CUNEIFORM NUMERIC SIGN THREE SHAR2
12425      CUNEIFORM NUMERIC SIGN THREE SHAR2 VARIANT FORM
12426      CUNEIFORM NUMERIC SIGN FOUR SHAR2
@@ -37675,12 +37717,14 @@ FFFF      <not a character>
12431      CUNEIFORM NUMERIC SIGN FIVE SHARU
12432      CUNEIFORM NUMERIC SIGN SHAR2 TIMES GAL PLUS DISH
12433      CUNEIFORM NUMERIC SIGN SHAR2 TIMES GAL PLUS MIN
+@      Area measures
12434      CUNEIFORM NUMERIC SIGN ONE BURU
12435      CUNEIFORM NUMERIC SIGN TWO BURU
12436      CUNEIFORM NUMERIC SIGN THREE BURU
12437      CUNEIFORM NUMERIC SIGN THREE BURU VARIANT FORM
12438      CUNEIFORM NUMERIC SIGN FOUR BURU
12439      CUNEIFORM NUMERIC SIGN FIVE BURU
+@      Variant stacking patterns

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1243A CUNEIFORM NUMERIC SIGN THREE VARIANT FORM ESH16  
 1243B CUNEIFORM NUMERIC SIGN THREE VARIANT FORM ESH21  
 1243C CUNEIFORM NUMERIC SIGN FOUR VARIANT FORM LIMMU  
 @@ -37697,12 +37741,19 @@ FFFF <not a character>  
 12447 CUNEIFORM NUMERIC SIGN NINE VARIANT FORM ILIMMU3  
 12448 CUNEIFORM NUMERIC SIGN NINE VARIANT FORM ILIMMU4  
 12449 CUNEIFORM NUMERIC SIGN NINE VARIANT FORM ILIMMU A  
 +@ Slanted numerals  
 +@+ Used in multiple Early Dynastic metrological systems as well as Ur III dates and  
 ↳ subtractive notations  
 1244A CUNEIFORM NUMERIC SIGN TWO ASH TENU  
 + = 2 diš tenū  
 + x (cuneiform sign ash zida tenu - 12039)  
 1244B CUNEIFORM NUMERIC SIGN THREE ASH TENU  
 1244C CUNEIFORM NUMERIC SIGN FOUR ASH TENU  
 1244D CUNEIFORM NUMERIC SIGN FIVE ASH TENU  
 1244E CUNEIFORM NUMERIC SIGN SIX ASH TENU  
 +@ Capacity measures  
 1244F CUNEIFORM NUMERIC SIGN ONE BAN2  
 + \* 12226 should be used for 1/2 diš  
 + x (cuneiform sign mash - 12226)  
 12450 CUNEIFORM NUMERIC SIGN TWO BAN2  
 12451 CUNEIFORM NUMERIC SIGN THREE BAN2  
 12452 CUNEIFORM NUMERIC SIGN FOUR BAN2  
 @@ -37710,7 +37761,11 @@ FFFF <not a character>  
 12454 CUNEIFORM NUMERIC SIGN FIVE BAN2  
 12455 CUNEIFORM NUMERIC SIGN FIVE BAN2 VARIANT FORM  
 12456 CUNEIFORM NUMERIC SIGN NIGIDAMIN  
 + = 2 bariga  
 + x (cuneiform sign dish - 12079)  
 12457 CUNEIFORM NUMERIC SIGN NIGIDAESH  
 + = 3 bariga  
 +@ Area measures  
 12458 CUNEIFORM NUMERIC SIGN ONE ESHE3  
 12459 CUNEIFORM NUMERIC SIGN TWO ESHE3  
 @ Fractions  
 @@ -37718,20 +37773,31 @@ FFFF <not a character>  
 1245B CUNEIFORM NUMERIC SIGN TWO THIRDS DISH  
 1245C CUNEIFORM NUMERIC SIGN FIVE SIXTHS DISH  
 1245D CUNEIFORM NUMERIC SIGN ONE THIRD VARIANT FORM A  
 + = 1/3 aš curved  
 + = 1/3 diš curved  
 1245E CUNEIFORM NUMERIC SIGN TWO THIRDS VARIANT FORM A  
 + = 2/3 aš curved  
 + = 2/3 diš curved  
 1245F CUNEIFORM NUMERIC SIGN ONE EIGHTH ASH  
 + = 1/8 iku  
 12460 CUNEIFORM NUMERIC SIGN ONE QUARTER ASH  
 + = 1/4 iku  
 12461 CUNEIFORM NUMERIC SIGN OLD ASSYRIAN ONE SIXTH  
 12462 CUNEIFORM NUMERIC SIGN OLD ASSYRIAN ONE QUARTER  
 +@ Capacity measures  
 +@+ Used in Umma in the Ur III period with a gur of 4 bariga  
 12463 CUNEIFORM NUMERIC SIGN ONE QUARTER GUR  
 + = 1 bariga variant form  
 12464 CUNEIFORM NUMERIC SIGN ONE HALF GUR  
 + = 2 bariga variant form  
 + \* The sequence 12464 12463 is used for 3/4 gur  
 @ Elamite fractions  
 12465 CUNEIFORM NUMERIC SIGN ELAMITE ONE THIRD  
 12466 CUNEIFORM NUMERIC SIGN ELAMITE TWO THIRDS  
 @ Elamite numeric signs  
 12467 CUNEIFORM NUMERIC SIGN ELAMITE FORTY  
 12468 CUNEIFORM NUMERIC SIGN ELAMITE FIFTY  
 -@ Numeric signs  
 +@ Variant stacking patterns  
 12469 CUNEIFORM NUMERIC SIGN FOUR U VARIANT FORM  
 1246A CUNEIFORM NUMERIC SIGN FIVE U VARIANT FORM  
 1246B CUNEIFORM NUMERIC SIGN SIX U VARIANT FORM

### 3.2 Contingent character names list changes

Once the additions proposed in [L2/24-210] are approved, cross-references to them should be added, as follows. The affected characters are highlighted in green in the charts appended to this document. Attached: [NamesList-2.patch](#).

```

--- a/unicodetools/data/ucd/dev/NamesList.txt
+++ b/unicodetools/data/ucd/dev/NamesList.txt
@@ -36750,11 +36750,15 @@ FFFF      <not a character>
12038      CUNEIFORM SIGN ASH
= 1 aš
x (cuneiform numeric sign two ash - 12400)
+ x (cuneiform numeric sign one n01 - 12550)
+ x (cuneiform numeric sign one n01 flat - 1264C)
12039      CUNEIFORM SIGN ASH ZIDA TENU
= 1 aš tenū
= 1 diš tenū
x (cuneiform numeric sign two ash tenu - 1244A)
= 1/2 iku
+ x (cuneiform numeric sign one n08 - 12559)
+ x (cuneiform numeric sign one half iku curved variant form - 1258B)
1203A      CUNEIFORM SIGN ASH KABA TENU
1203B      CUNEIFORM SIGN ASH OVER ASH TUG2 OVER TUG2 TUG2 OVER TUG2 PAP
1203C      CUNEIFORM SIGN ASH OVER ASH OVER ASH
@@ -36822,6 +36826,8 @@ FFFF      <not a character>
12079      CUNEIFORM SIGN DISH
= 1 diš
x (cuneiform numeric sign three dish - 12408)
+ x (cuneiform numeric sign one n08 - 12559)
+ x (cuneiform numeric sign one n01 - 12550)
= 1 bariga
x (cuneiform numeric sign nigidamin - 12456)
x (cuneiform numeric sign nigidaesh - 12457)
@@ -37256,6 +37262,8 @@ FFFF      <not a character>
12226      CUNEIFORM SIGN MASH
= 1/2 diš
x (cuneiform numeric sign one ban2 - 1244F)
+ * 12593 should be used for 1/2 aš curved
+ x (cuneiform numeric sign one ban2 curved - 12593)
12227      CUNEIFORM SIGN MASH2
12228      CUNEIFORM SIGN ME
12229      CUNEIFORM SIGN MES
@@ -37263,6 +37271,7 @@ FFFF      <not a character>
1222B      CUNEIFORM SIGN MIN
= 2 diš
x (cuneiform numeric sign three dish - 12408)
+ x (cuneiform numeric sign two n08 - 1255A)
1222C      CUNEIFORM SIGN MU
1222D      CUNEIFORM SIGN MU OVER MU
1222E      CUNEIFORM SIGN MUG
@@ -37410,6 +37419,8 @@ FFFF      <not a character>
* the archaic reference glyph is formed by making a circular indentation with the end
 $\curvearrowleft$  of the stylus
= 1 šar₂
x (cuneiform numeric sign two shar₂ - 12423)
+ * 12579 should be used for numeric 1 šar₂ curved
+ x (cuneiform numeric sign one n45 - 12579)
122BA      CUNEIFORM SIGN SHE
122BB      CUNEIFORM SIGN SHE HU
122BC      CUNEIFORM SIGN SHE OVER SHE GAD OVER GAD GAR OVER GAR
@@ -37497,11 +37508,15 @@ FFFF      <not a character>
= 1 u
= 1 bur₃
x (cuneiform numeric sign four u - 1240F)
+ x (cuneiform numeric sign one n14 - 12562)
+ x (cuneiform numeric sign one n14 flat - 12656)
1230C      CUNEIFORM SIGN U GUD
1230D      CUNEIFORM SIGN U U U
= 3 u
= 3 bur₃
x (cuneiform numeric sign four u - 1240F)
+ x (cuneiform numeric sign three n14 - 12564)
+ x (cuneiform numeric sign three n14 flat - 12658)

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1230E      CUNEIFORM SIGN U OVER U PA OVER PA GAR OVER GAR
1230F      CUNEIFORM SIGN U OVER U SUR OVER SUR
12310     CUNEIFORM SIGN U OVER U U REVERSED OVER U REVERSED
@@ -37652,12 +37667,16 @@ FFFF      <not a character>
    = 2 u
    = 2 bur3
    x (cuneiform numeric sign four u - 1240F)
+   x (cuneiform numeric sign two n14 - 12563)
+   x (cuneiform numeric sign two n14 flat - 12657)
@@ 12400      Cuneiform Numbers and Punctuation      1247F
@      Common numeric signs
@+     Used in multiple metrological systems
12400     CUNEIFORM NUMERIC SIGN TWO ASH
    = 2 iku
    x (cuneiform sign ash - 12038)
+   x (cuneiform numeric sign two n01 - 12551)
+   x (cuneiform numeric sign two n01 flat - 1264D)
12401     CUNEIFORM NUMERIC SIGN THREE ASH
12402     CUNEIFORM NUMERIC SIGN FOUR ASH
12403     CUNEIFORM NUMERIC SIGN FIVE ASH
@@ -37668,6 +37687,7 @@ FFFF      <not a character>
12408     CUNEIFORM NUMERIC SIGN THREE DISH
    x (cuneiform sign dish - 12079)
    x (cuneiform sign min - 1222B)
+   x (cuneiform numeric sign three n08 - 12559)
12409     CUNEIFORM NUMERIC SIGN FOUR DISH
    = 4 bariga
1240A     CUNEIFORM NUMERIC SIGN FIVE DISH
@@ -37680,12 +37700,15 @@ FFFF      <not a character>
    x (cuneiform sign u - 1230B)
    x (cuneiform sign u u - 12399)
    x (cuneiform sign u u u - 1230D)
+   x (cuneiform numeric sign four n14 - 12565)
+   x (cuneiform numeric sign four n14 flat - 12659)
12410     CUNEIFORM NUMERIC SIGN FIVE U
12411     CUNEIFORM NUMERIC SIGN SIX U
12412     CUNEIFORM NUMERIC SIGN SEVEN U
12413     CUNEIFORM NUMERIC SIGN EIGHT U
12414     CUNEIFORM NUMERIC SIGN NINE U
12415     CUNEIFORM NUMERIC SIGN ONE GESH2
+   x (cuneiform numeric sign one n34 - 1256B)
12416     CUNEIFORM NUMERIC SIGN TWO GESH2
12417     CUNEIFORM NUMERIC SIGN THREE GESH2
12418     CUNEIFORM NUMERIC SIGN FOUR GESH2
@@ -37695,12 +37718,14 @@ FFFF      <not a character>
1241C     CUNEIFORM NUMERIC SIGN EIGHT GESH2
1241D     CUNEIFORM NUMERIC SIGN NINE GESH2
1241E     CUNEIFORM NUMERIC SIGN ONE GESU
+   x (cuneiform numeric sign one n48 - 12574)
1241F     CUNEIFORM NUMERIC SIGN TWO GESU
12420     CUNEIFORM NUMERIC SIGN THREE GESU
12421     CUNEIFORM NUMERIC SIGN FOUR GESU
12422     CUNEIFORM NUMERIC SIGN FIVE GESU
12423     CUNEIFORM NUMERIC SIGN TWO SHAR2
    x (cuneiform sign shar2 - 122B9)
+   x (cuneiform numeric sign two n45 - 12579)
12424     CUNEIFORM NUMERIC SIGN THREE SHAR2
12425     CUNEIFORM NUMERIC SIGN THREE SHAR2 VARIANT FORM
12426     CUNEIFORM NUMERIC SIGN FOUR SHAR2
@@ -37710,6 +37735,7 @@ FFFF      <not a character>
1242A     CUNEIFORM NUMERIC SIGN EIGHT SHAR2
1242B     CUNEIFORM NUMERIC SIGN NINE SHAR2
1242C     CUNEIFORM NUMERIC SIGN ONE SHARU
+   x (cuneiform numeric sign one n50 - 12582)
1242D     CUNEIFORM NUMERIC SIGN TWO SHARU
1242E     CUNEIFORM NUMERIC SIGN THREE SHARU
1242F     CUNEIFORM NUMERIC SIGN THREE SHARU VARIANT FORM
@@ -37719,6 +37745,8 @@ FFFF      <not a character>
12433     CUNEIFORM NUMERIC SIGN SHAR2 TIMES GAL PLUS MIN
@      Area measures
12434     CUNEIFORM NUMERIC SIGN ONE BURU
+   x (cuneiform numeric sign one buru curved - 1258E)
+   x (cuneiform numeric sign one n50 - 12582)
12435     CUNEIFORM NUMERIC SIGN TWO BURU

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12436      CUNEIFORM NUMERIC SIGN THREE BURU
12437      CUNEIFORM NUMERIC SIGN THREE BURU VARIANT FORM
@@ -37754,6 +37782,7 @@ FFFF      <not a character>
1244F      CUNEIFORM NUMERIC SIGN ONE BAN2
* 12226 should be used for 1/2 diš
+ x (cuneiform sign mash - 12226)
x (cuneiform numeric sign one ban2 curved - 12593)
12450      CUNEIFORM NUMERIC SIGN TWO BAN2
12451      CUNEIFORM NUMERIC SIGN THREE BAN2
12452      CUNEIFORM NUMERIC SIGN FOUR BAN2
@@ -37763,10 +37792,12 @@ FFFF      <not a character>
12456      CUNEIFORM NUMERIC SIGN NIGIDAMIN
= 2 bariga
x (cuneiform sign dish - 12079)
+ x (cuneiform numeric sign two n08 - 1255A)
12457      CUNEIFORM NUMERIC SIGN NIGIDAESH
= 3 bariga
@ Area measures
12458      CUNEIFORM NUMERIC SIGN ONE ESHE3
+ x (cuneiform numeric sign one n22 - 1258C)
12459      CUNEIFORM NUMERIC SIGN TWO ESHE3
@ Fractions
1245A      CUNEIFORM NUMERIC SIGN ONE THIRD DISH
@@ -37775,13 +37806,19 @@ FFFF      <not a character>
1245D      CUNEIFORM NUMERIC SIGN ONE THIRD VARIANT FORM A
= 1/3 aš curved
= 1/3 diš curved
+ x (cuneiform numeric sign ninda2 times she plus one ash curved - 12598)
1245E      CUNEIFORM NUMERIC SIGN TWO THIRDS VARIANT FORM A
= 2/3 aš curved
= 2/3 diš curved
+ x (cuneiform numeric sign ninda2 times she plus two ash curved - 12599)
1245F      CUNEIFORM NUMERIC SIGN ONE EIGHTH ASH
= 1/8 iku
+ x (cuneiform numeric sign one eighth iku curved - 12587)
+ x (cuneiform numeric sign one eighth iku curved variant form - 12588)
12460      CUNEIFORM NUMERIC SIGN ONE QUARTER ASH
= 1/4 iku
+ x (cuneiform numeric sign one n01 reversed - 12589)
+ x (cuneiform numeric sign one quarter iku variant form - 1258A)
12461      CUNEIFORM NUMERIC SIGN OLD ASSYRIAN ONE SIXTH
12462      CUNEIFORM NUMERIC SIGN OLD ASSYRIAN ONE QUARTER
@ Capacity measures
@@ -38008,6 +38045,7 @@ FFFF      <not a character>
1253F      CUNEIFORM SIGN URU TIMES LAK-668
12540      CUNEIFORM SIGN URU TIMES LU3
12541      CUNEIFORM SIGN ZA7
+ x (cuneiform numeric sign two n08 - 1255A)
12542      CUNEIFORM SIGN ZU OVER ZU PLUS SAR
12543      CUNEIFORM SIGN ZUS TIMES THREE DISH TENU
@@ 12F90      Cypro-Minoan 12FFF

```

### 3.3 Properties

Change eight lines of UnicodeData.txt, adding numeric values, as follows. The eight affected characters are highlighted in pink in the charts appended to this document; note that these are exactly those characters in the Cuneiform block for which informative aliases are proposed. Attached: [UnicodeData.txt](#).

```

12038;CUNEIFORM SIGN ASH;Lo;0;L;;;;1;N;;;;;
12039;CUNEIFORM SIGN ASH ZIDA TENU;Lo;0;L;;;;1;N;;;;;
12079;CUNEIFORM SIGN DISH;Lo;0;L;;;;1;N;;;;;
12226;CUNEIFORM SIGN MASH;Lo;0;L;;;;1/2;N;;;;;
12228;CUNEIFORM SIGN MIN;Lo;0;L;;;;2;N;;;;;
1230B;CUNEIFORM SIGN U;Lo;0;L;;;;1;N;;;;;
1230D;CUNEIFORM SIGN U U U;Lo;0;L;;;;3;N;;;;;
12399;CUNEIFORM SIGN U U;Lo;0;L;;;;2;N;;;;;

```

## References

### Artefacts

- [P429599] Chiba, Japan: Private collection.  
CDLI: [P429599](#).  
ORACC: [epsd2/P429599](#).
- [P429605] Chiba, Japan: Private collection.  
CDLI: [P429605](#).  
ORACC: [epsd2/P429605](#).

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- [L2/12-002] M. Everson and S. Tinney. *Proposal for additions and corrections to Sumero-Akkadian Cuneiform*. 26th Jan. 2012.  
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ISO/IEC JTC 1/SC 2/WG 2: [N4178R](#).
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<http://oracc.org/osl/>.

### Other documents

- [SG14] M. Sigrist and U. Gabbay. "Eighteen Cuneiform Inscriptions from the Ur III and Old-Babylonian Periods". In: *Studies in Economic and Social History of the Ancient Near East in Memory of Péter Vargyas*. Ed. by Z. Csabai. 2014, pp. 283–315.
- [Sig96] M. Sigrist. "Deux signes, sous-multiples de gur". In: *Tablettes et images au pays de Sumer et d'Akkad. Mélanges offerts à Monsieur H. Limet*. Ed. by Ö. Tunca and D. Deshelle. Liège, 1996, pp. 111–116.
- [Tin19] S. Tinney. "ATF Inline Tutorial". In: *Oracc: The Open Richly Annotated Cuneiform Corpus*. 18th Dec. 2019.  
ORACC: [doc/help/editinginatf/primer/inlinetutorial/index.html](#).

|   | 1200 | 1201 | 1202 | 1203 | 1204 | 1205 | 1206 | 1207 | 1208 | 1209 | 120A | 120B | 120C |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 𒂗    | 𒋩    | 𒋩    | 𒀭    | 𒂗    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    |
| 1 | 𒂗    | 𒋩    | 𒋩    | 𒀭    | 𒂗    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    |
| 2 | 𒂗    | 𒋩    | 𒋩    | 𒀭    | 𒂗    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    |
| 3 | 𒂗    | 𒋩    | 𒋩    | 𒀭    | 𒂗    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    |
| 4 | 𒂗    | 𒋩    | 𒋩    | 𒀭    | 𒂗    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    |
| 5 | 𒂗    | 𒋩    | 𒋩    | 𒀭    | 𒂗    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    |
| 6 | 𒂗    | 𒁕    | 𒋩    | 𒀭    | 𒂗    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    |
| 7 | 𒂗    | 𒁕    | 𒋩    | 𒀭    | 𒂗    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    |
| 8 | 𒂗    | 𒁕    | 𒋩    | 𒀭    | 𒂗    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    |
| 9 | 𒂗    | 𒁕    | 𒋩    | 𒀭    | 𒂗    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    |
| A | 𒂗    | 𒁕    | 𒋩    | 𒀭    | 𒂗    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    |
| B | 𒂗    | 𒁕    | 𒋩    | 𒀭    | 𒂗    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    |
| C | 𒂗    | 𒁕    | 𒋩    | 𒀭    | 𒂗    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    |
| D | 𒂗    | 𒁕    | 𒋩    | 𒀭    | 𒂗    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    |
| E | 𒂗    | 𒁕    | 𒋩    | 𒀭    | 𒂗    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    |
| F | 𒂗    | 𒁕    | 𒋩    | 𒀭    | 𒂗    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    | 𒋩    |

120D 120E 120F 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219

|            |       |       |       |       |       |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0<br>120D0 | 120E0 | 120FO | 12100 | 12110 | 12120 | 12130 | 12140 | 12150 | 12160 | 12170 | 12180 | 12190 |
| 1<br>120D1 | 120E1 | 120F1 | 12101 | 12111 | 12121 | 12131 | 12141 | 12151 | 12161 | 12171 | 12181 | 12191 |
| 2<br>120D2 | 120E2 | 120F2 | 12102 | 12112 | 12122 | 12132 | 12142 | 12152 | 12162 | 12172 | 12182 | 12192 |
| 3<br>120D3 | 120E3 | 120F3 | 12103 | 12113 | 12123 | 12133 | 12143 | 12153 | 12163 | 12173 | 12183 | 12193 |
| 4<br>120D4 | 120E4 | 120F4 | 12104 | 12114 | 12124 | 12134 | 12144 | 12154 | 12164 | 12174 | 12184 | 12194 |
| 5<br>120D5 | 120E5 | 120F5 | 12105 | 12115 | 12125 | 12135 | 12145 | 12155 | 12165 | 12175 | 12185 | 12195 |
| 6<br>120D6 | 120E6 | 120F6 | 12106 | 12116 | 12126 | 12136 | 12146 | 12156 | 12166 | 12176 | 12186 | 12196 |
| 7<br>120D7 | 120E7 | 120F7 | 12107 | 12117 | 12127 | 12137 | 12147 | 12157 | 12167 | 12177 | 12187 | 12197 |
| 8<br>120D8 | 120E8 | 120F8 | 12108 | 12118 | 12128 | 12138 | 12148 | 12158 | 12168 | 12178 | 12188 | 12198 |
| 9<br>120D9 | 120E9 | 120F9 | 12109 | 12119 | 12129 | 12139 | 12149 | 12159 | 12169 | 12179 | 12189 | 12199 |
| A<br>120DA | 120EA | 120FA | 1210A | 1211A | 1212A | 1213A | 1214A | 1215A | 1216A | 1217A | 1218A | 1219A |
| B<br>120DB | 120EB | 120FB | 1210B | 1211B | 1212B | 1213B | 1214B | 1215B | 1216B | 1217B | 1218B | 1219B |
| C<br>120DC | 120EC | 120FC | 1210C | 1211C | 1212C | 1213C | 1214C | 1215C | 1216C | 1217C | 1218C | 1219C |
| D<br>120DD | 120ED | 120FD | 1210D | 1211D | 1212D | 1213D | 1214D | 1215D | 1216D | 1217D | 1218D | 1219D |
| E<br>120DE | 120EE | 120FE | 1210E | 1211E | 1212E | 1213E | 1214E | 1215E | 1216E | 1217E | 1218E | 1219E |
| F<br>120DF | 120EF | 120FF | 1210F | 1211F | 1212F | 1213F | 1214F | 1215F | 1216F | 1217F | 1218F | 1219F |

121A 121B 121C 121D 121E 121F 1220 1221 1222 1223 1224 1225 1226

|            |       |       |       |       |       |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0<br>121A0 | 121B0 | 121C0 | 121D0 | 121E0 | 121F0 | 12200 | 12210 | 12220 | 12230 | 12240 | 12250 | 12260 |
| 1<br>121A1 | 121B1 | 121C1 | 121D1 | 121E1 | 121F1 | 12201 | 12211 | 12221 | 12231 | 12241 | 12251 | 12261 |
| 2<br>121A2 | 121B2 | 121C2 | 121D2 | 121E2 | 121F2 | 12202 | 12212 | 12222 | 12232 | 12242 | 12252 | 12262 |
| 3<br>121A3 | 121B3 | 121C3 | 121D3 | 121E3 | 121F3 | 12203 | 12213 | 12223 | 12233 | 12243 | 12253 | 12263 |
| 4<br>121A4 | 121B4 | 121C4 | 121D4 | 121E4 | 121F4 | 12204 | 12214 | 12224 | 12234 | 12244 | 12254 | 12264 |
| 5<br>121A5 | 121B5 | 121C5 | 121D5 | 121E5 | 121F5 | 12205 | 12215 | 12225 | 12235 | 12245 | 12255 | 12265 |
| 6<br>121A6 | 121B6 | 121C6 | 121D6 | 121E6 | 121F6 | 12206 | 12216 | 12226 | 12236 | 12246 | 12256 | 12266 |
| 7<br>121A7 | 121B7 | 121C7 | 121D7 | 121E7 | 121F7 | 12207 | 12217 | 12227 | 12237 | 12247 | 12257 | 12267 |
| 8<br>121A8 | 121B8 | 121C8 | 121D8 | 121E8 | 121F8 | 12208 | 12218 | 12228 | 12238 | 12248 | 12258 | 12268 |
| 9<br>121A9 | 121B9 | 121C9 | 121D9 | 121E9 | 121F9 | 12209 | 12219 | 12229 | 12239 | 12249 | 12259 | 12269 |
| A<br>121AA | 121BA | 121CA | 121DA | 121EA | 121FA | 1220A | 1221A | 1222A | 1223A | 1224A | 1225A | 1226A |
| B<br>121AB | 121BB | 121CB | 121DB | 121EB | 121FB | 1220B | 1221B | 1222B | 1223B | 1224B | 1225B | 1226B |
| C<br>121AC | 121BC | 121CC | 121DC | 121EC | 121FC | 1220C | 1221C | 1222C | 1223C | 1224C | 1225C | 1226C |
| D<br>121AD | 121BD | 121CD | 121DD | 121ED | 121FD | 1220D | 1221D | 1222D | 1223D | 1224D | 1225D | 1226D |
| E<br>121AE | 121BE | 121CE | 121DE | 121EE | 121FE | 1220E | 1221E | 1222E | 1223E | 1224E | 1225E | 1226E |
| F<br>121AF | 121BF | 121CF | 121DF | 121EF | 121FF | 1220F | 1221F | 1222F | 1223F | 1224F | 1225F | 1226F |

1227 1228 1229 122A 122B 122C 122D 122E 122F 1230 1231 1232 1233

|            |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0<br>12270 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1<br>12271 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2<br>12272 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3<br>12273 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4<br>12274 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5<br>12275 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6<br>12276 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7<br>12277 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8<br>12278 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9<br>12279 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| A<br>1227A |  |  |  |  |  |  |  |  |  |  |  |  |  |
| B<br>1227B |  |  |  |  |  |  |  |  |  |  |  |  |  |
| C<br>1227C |  |  |  |  |  |  |  |  |  |  |  |  |  |
| D<br>1227D |  |  |  |  |  |  |  |  |  |  |  |  |  |
| E<br>1227E |  |  |  |  |  |  |  |  |  |  |  |  |  |
| F<br>1227F |  |  |  |  |  |  |  |  |  |  |  |  |  |

|   | 1234 | 1235 | 1236 | 1237 | 1238 | 1239 | 123A | 123B | 123C | 123D | 123E | 123F |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 |      |      |      |      |      |      |      |      |      |      |      |      |
| 1 |      |      |      |      |      |      |      |      |      |      |      |      |
| 2 |      |      |      |      |      |      |      |      |      |      |      |      |
| 3 |      |      |      |      |      |      |      |      |      |      |      |      |
| 4 |      |      |      |      |      |      |      |      |      |      |      |      |
| 5 |      |      |      |      |      |      |      |      |      |      |      |      |
| 6 |      |      |      |      |      |      |      |      |      |      |      |      |
| 7 |      |      |      |      |      |      |      |      |      |      |      |      |
| 8 |      |      |      |      |      |      |      |      |      |      |      |      |
| 9 |      |      |      |      |      |      |      |      |      |      |      |      |
| A |      |      |      |      |      |      |      |      |      |      |      |      |
| B |      |      |      |      |      |      |      |      |      |      |      |      |
| C |      |      |      |      |      |      |      |      |      |      |      |      |
| D |      |      |      |      |      |      |      |      |      |      |      |      |
| E |      |      |      |      |      |      |      |      |      |      |      |      |
| F |      |      |      |      |      |      |      |      |      |      |      |      |

**Signs**

|       |   |   |
|-------|---|---|
| 12000 | 𒂔   | CUNEIFORM SIGN A                                  |
| 12001 | 𒂕   | CUNEIFORM SIGN A TIMES A                          |
| 12002 | 𒂖   | CUNEIFORM SIGN A TIMES BAD                        |
| 12003 | 𒂗   | CUNEIFORM SIGN A TIMES GAN2 TENU                  |
| 12004 | 𒂘   | CUNEIFORM SIGN A TIMES HA                         |
| 12005 | 𒂙   | CUNEIFORM SIGN A TIMES IGI                        |
| 12006 | 𒂚   | CUNEIFORM SIGN A TIMES LAGAR GUNU                 |
| 12007 | 𒂛   | CUNEIFORM SIGN A TIMES MUSH                       |
| 12008 | 𒂜   | CUNEIFORM SIGN A TIMES SAG                        |
| 12009 | 𒂝   | CUNEIFORM SIGN A2                                 |
| 1200A | 𒂞   | CUNEIFORM SIGN AB                                 |
| 1200B | 𒂟   | CUNEIFORM SIGN AB TIMES ASH2                      |
| 1200C | 𒂠   | CUNEIFORM SIGN AB TIMES DUN3 GUNU                 |
| 1200D | 𒂡   | CUNEIFORM SIGN AB TIMES GAL                       |
| 1200E | 𒂢   | CUNEIFORM SIGN AB TIMES GAN2 TENU                 |
| 1200F | 𒂣   | CUNEIFORM SIGN AB TIMES HA                        |
| 12010 | 𒂤   | CUNEIFORM SIGN AB TIMES IGI GUNU                  |
| 12011 | 𒂥   | CUNEIFORM SIGN AB TIMES IMIN                      |
| 12012 | 𒂦   | CUNEIFORM SIGN AB TIMES LAGAB                     |
| 12013 | 𒂧   | CUNEIFORM SIGN AB TIMES SHESH                     |
| 12014 | 𒂩   | CUNEIFORM SIGN AB TIMES U PLUS U PLUS U           |
| 12015 | 𒂪   | CUNEIFORM SIGN AB GUNU                            |
| 12016 | 𒂯   | CUNEIFORM SIGN AB2                                |
| 12017 | 𒂱   | CUNEIFORM SIGN AB2 TIMES BALAG                    |
| 12018 | 𒂲   | CUNEIFORM SIGN AB2 TIMES GAN2 TENU                |
| 12019 | 𒂳   | CUNEIFORM SIGN AB2 TIMES ME PLUS EN               |
| 1201A | 𒂴   | CUNEIFORM SIGN AB2 TIMES SHA3                     |
| 1201B | 𒂵   | CUNEIFORM SIGN AB2 TIMES TAK4                     |
| 1201C | 𒂶   | CUNEIFORM SIGN AD                                 |
| 1201D | 𒂷   | CUNEIFORM SIGN AK                                 |
| 1201E | 𒂸   | CUNEIFORM SIGN AK TIMES ERIN2                     |
| 1201F | 𒂹   | CUNEIFORM SIGN AK TIMES SHITA PLUS GISH           |
| 12020 | 𒂺   | CUNEIFORM SIGN AL                                 |
| 12021 | 𒂻   | CUNEIFORM SIGN AL TIMES AL                        |
| 12022 | 𒂼   | CUNEIFORM SIGN AL TIMES DIM2                      |
| 12023 | 𒂽   | CUNEIFORM SIGN AL TIMES GISH                      |
| 12024 | 𒂾   | CUNEIFORM SIGN AL TIMES HA                        |
| 12025 | 𒂿   | CUNEIFORM SIGN AL TIMES KAD3                      |
| 12026 | 𒂿   | CUNEIFORM SIGN AL TIMES KI                        |
| 12027 | 𒂿   | CUNEIFORM SIGN AL TIMES SHE                       |
| 12028 | 𒂿   | CUNEIFORM SIGN AL TIMES USH                       |
| 12029 | 𒂿   | CUNEIFORM SIGN ALAN                               |
| 1202A | 𒂻   | CUNEIFORM SIGN ALEPH                              |
| 1202B | 𒂻   | CUNEIFORM SIGN AMAR                               |
| 1202C | 𒂻   | CUNEIFORM SIGN AMAR TIMES SHE                     |
| 1202D | 𒂻   | CUNEIFORM SIGN AN                                 |
| 1202E | 𒂻   | CUNEIFORM SIGN AN OVER AN                         |
| 1202F | 𒂻   | CUNEIFORM SIGN AN THREE TIMES                     |
| 12030 | 𒂻   | CUNEIFORM SIGN AN PLUS NAGA OPPOSING AN PLUS NAGA |
| 12031 | 𒂻   | CUNEIFORM SIGN AN PLUS NAGA SQUARED               |
| 12032 | 𒂻   | CUNEIFORM SIGN ANSHE                              |
| 12033 | 𒂻   | CUNEIFORM SIGN APIN                               |
| 12034 | 𒂻   | CUNEIFORM SIGN ARAD                               |
| 12035 | 𒂻   | CUNEIFORM SIGN ARAD TIMES KUR                     |
| 12036 | 𒂻   | CUNEIFORM SIGN ARKAB                              |
| 12037 | 𒂻   | CUNEIFORM SIGN ASAL2                              |
| 12038 | 𒂻   | CUNEIFORM SIGN ASH                                |
|       | = 1 aš  |   |
|       | → 12400 ↵ cuneiform numeric sign two ash      |   |
|       | → 12550 ↵ cuneiform numeric sign one n01      |   |
|       | → 1264C □ cuneiform numeric sign one n01 flat |   |

|       |   |   |
|-------|---|---|
| 12039 | 𒂻   | CUNEIFORM SIGN ASH ZIDA TENU  |
|       | = 1 aš tenû   |   |
|       | = 1 diš tenû  |   |
|       | → 1244A ↵ cuneiform numeric sign two ash tenu           |   |
|       | = 1/2 iku   |   |
|       | → 12559 ↵ cuneiform numeric sign one n08                |   |
|       | → 1258B ܰ cuneiform numeric sign one half iku           |   |
|       | curved variant form                                     |   |
| 1203A | ܰ   | CUNEIFORM SIGN ASH KABA TENU  |
| 1203B | ܰ   | CUNEIFORM SIGN ASH OVER ASH TUG2 OVER TUG2 TUG2 OVER TUG2 PAP       |
| 1203C | ܰ   | CUNEIFORM SIGN ASH OVER ASH OVER ASH                                |
| 1203D | ܰ   | CUNEIFORM SIGN ASH OVER ASH OVER ASH CROSSING ASH OVER ASH OVER ASH |
| 1203E | ܰ   | CUNEIFORM SIGN ASH2   |
|       | → 12453 ܰ cuneiform numeric sign four ban2 variant form |   |
| 1203F | ܰ   | CUNEIFORM SIGN ASHGAB   |
| 12040 | ܰ   | CUNEIFORM SIGN BA   |
| 12041 | ܰ   | CUNEIFORM SIGN BAD  |
| 12042 | ܰ   | CUNEIFORM SIGN BAG3   |
| 12043 | ܰ   | CUNEIFORM SIGN BAHAR2   |
| 12044 | ܰ   | CUNEIFORM SIGN BAL  |
| 12045 | ܰ   | CUNEIFORM SIGN BAL OVER BAL   |
| 12046 | ܰ   | CUNEIFORM SIGN BAI.AG   |
| 12047 | ܰ   | CUNEIFORM SIGN BAR  |
| 12048 | ܰ   | CUNEIFORM SIGN BARA2  |
| 12049 | ܰ   | CUNEIFORM SIGN BI   |
| 1204A | ܰ   | CUNEIFORM SIGN BI TIMES A   |
| 1204B | ܰ   | CUNEIFORM SIGN BI TIMES GAR   |
| 1204C | ܰ   | CUNEIFORM SIGN BI TIMES IGI GUNU                                    |
| 1204D | ܰ   | CUNEIFORM SIGN BU   |
| 1204E | ܰ   | CUNEIFORM SIGN BU OVER BU AB  |
| 1204F | ܰ   | CUNEIFORM SIGN BU OVER BU UN  |
| 12050 | ܰ   | CUNEIFORM SIGN BU CROSSING BU                                       |
| 12051 | ܰ   | CUNEIFORM SIGN BULUG  |
| 12052 | ܰ   | CUNEIFORM SIGN BULUG OVER BULUG                                     |
| 12053 | ܰ   | CUNEIFORM SIGN BUR  |
| 12054 | ܰ   | CUNEIFORM SIGN BUR2   |
| 12055 | ܰ   | CUNEIFORM SIGN DA   |
| 12056 | ܰ   | CUNEIFORM SIGN DAG  |
| 12057 | ܰ   | CUNEIFORM SIGN DAG KISIM5 TIMES A PLUS MASH                         |
| 12058 | ܰ   | CUNEIFORM SIGN DAG KISIM5 TIMES AMAR                                |
| 12059 | ܰ   | CUNEIFORM SIGN DAG KISIM5 TIMES BALAG                               |
| 1205A | ܰ   | CUNEIFORM SIGN DAG KISIM5 TIMES BI                                  |
| 1205B | ܰ   | CUNEIFORM SIGN DAG KISIM5 TIMES GA                                  |
| 1205C | ܰ   | CUNEIFORM SIGN DAG KISIM5 TIMES GA PLUS MASH                        |
| 1205D | ܰ   | CUNEIFORM SIGN DAG KISIM5 TIMES GI                                  |
| 1205E | ܰ   | CUNEIFORM SIGN DAG KISIM5 TIMES GIR2                                |
| 1205F | ܰ   | CUNEIFORM SIGN DAG KISIM5 TIMES GUD                                 |
| 12060 | ܰ   | CUNEIFORM SIGN DAG KISIM5 TIMES HA                                  |
| 12061 | ܰ   | CUNEIFORM SIGN DAG KISIM5 TIMES IR                                  |
| 12062 | ܰ   | CUNEIFORM SIGN DAG KISIM5 TIMES IR PLUS LU                          |
| 12063 | ܰ   | CUNEIFORM SIGN DAG KISIM5 TIMES KAK                                 |
| 12064 | ܰ   | CUNEIFORM SIGN DAG KISIM5 TIMES LA                                  |
| 12065 | ܰ   | CUNEIFORM SIGN DAG KISIM5 TIMES LU                                  |
| 12066 | ܰ   | CUNEIFORM SIGN DAG KISIM5 TIMES LU PLUS MASH2                       |
| 12067 | ܰ   | CUNEIFORM SIGN DAG KISIM5 TIMES LUM                                 |
| 12068 | ܰ   | CUNEIFORM SIGN DAG KISIM5 TIMES NE                                  |
| 12069 | ܰ   | CUNEIFORM SIGN DAG KISIM5 TIMES PAP PLUS PAP                        |
| 1206A | ܰ   | CUNEIFORM SIGN DAG KISIM5 TIMES SI                                  |
| 1206B | ܰ   | CUNEIFORM SIGN DAG KISIM5 TIMES TAK4                                |
| 1206C | ܰ   | CUNEIFORM SIGN DAG KISIM5 TIMES U2 PLUS GIR2                        |
| 1206D | ܰ   | CUNEIFORM SIGN DAG KISIM5 TIMES USH                                 |
| 1206E | ܰ   | CUNEIFORM SIGN DAM  |
| 1206F | ܰ   | CUNEIFORM SIGN DAR  |
| 12070 | ܰ   | CUNEIFORM SIGN DARAJ3   |

|       |   |
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| 12071 | ☒ CUNEIFORM SIGN DARA4  |
| 12072 | ❖ CUNEIFORM SIGN DI   |
| 12073 | ☒ CUNEIFORM SIGN DIB  |
| 12074 | ❖ CUNEIFORM SIGN DIM  |
| 12075 | ❖ CUNEIFORM SIGN DIM TIMES SHE  |
| 12076 | ☒ CUNEIFORM SIGN DIM2   |
| 12077 | ❖ CUNEIFORM SIGN DIN  |
| 12078 | ❖ CUNEIFORM SIGN DIN KASKAL U GUNU DISH   |
| 12079 | ☒ CUNEIFORM SIGN DISH<br>= 1 diš<br>→ 12408 𒌩 cuneiform numeric sign three dish<br>→ 12559 𒌦 cuneiform numeric sign one n08<br>→ 12550 𒌦 cuneiform numeric sign one n01<br><br>= 1 bariga<br>→ 12456 𒌪 cuneiform numeric sign nigidamin<br>→ 12457 𒌪 cuneiform numeric sign nigidaesh |
| 1207A | ☒ CUNEIFORM SIGN DU   |
| 1207B | ☒ CUNEIFORM SIGN DU OVER DU   |
| 1207C | ☒ CUNEIFORM SIGN DU GUNU  |
| 1207D | ☒ CUNEIFORM SIGN DU SHESHIG   |
| 1207E | ☒ CUNEIFORM SIGN DUB  |
| 1207F | ☒ CUNEIFORM SIGN DUB TIMES ESH2   |
| 12080 | ☒ CUNEIFORM SIGN DUB2   |
| 12081 | ☒ CUNEIFORM SIGN DUG  |
| 12082 | ☒ CUNEIFORM SIGN DUGUD  |
| 12083 | ☒ CUNEIFORM SIGN DUH  |
| 12084 | ☒ CUNEIFORM SIGN DUN  |
| 12085 | ☒ CUNEIFORM SIGN DUN3   |
| 12086 | ☒ CUNEIFORM SIGN DUN3 GUNU  |
| 12087 | ☒ CUNEIFORM SIGN DUN3 GUNU GUNU   |
| 12088 | ☒ CUNEIFORM SIGN DUN4   |
| 12089 | ☒ CUNEIFORM SIGN DUR2   |
| 1208A | ☒ CUNEIFORM SIGN E  |
| 1208B | ☒ CUNEIFORM SIGN E TIMES PAP  |
| 1208C | ☒ CUNEIFORM SIGN E OVER E NUN OVER NUN  |
| 1208D | ☒ CUNEIFORM SIGN E2   |
| 1208E | ☒ CUNEIFORM SIGN E2 TIMES A PLUS HA PLUS DA   |
| 1208F | ☒ CUNEIFORM SIGN E2 TIMES GAR   |
| 12090 | ☒ CUNEIFORM SIGN E2 TIMES MI  |
| 12091 | ☒ CUNEIFORM SIGN E2 TIMES SAL   |
| 12092 | ☒ CUNEIFORM SIGN E2 TIMES SHE   |
| 12093 | ☒ CUNEIFORM SIGN E2 TIMES U   |
| 12094 | ❖ CUNEIFORM SIGN EDIN   |
| 12095 | ☒ CUNEIFORM SIGN EGIR   |
| 12096 | ☒ CUNEIFORM SIGN EL   |
| 12097 | ☒ CUNEIFORM SIGN EN   |
| 12098 | ☒ CUNEIFORM SIGN EN TIMES GAN2  |
| 12099 | ☒ CUNEIFORM SIGN EN TIMES GAN2 TENU   |
| 1209A | ☒ CUNEIFORM SIGN EN TIMES ME  |
| 1209B | ☒ CUNEIFORM SIGN EN CROSSING EN   |
| 1209C | ☒ CUNEIFORM SIGN EN OPPOSING EN   |
| 1209D | ☒ CUNEIFORM SIGN EN SQUARED   |
| 1209E | ☒ CUNEIFORM SIGN EREN   |
| 1209F | ☒ CUNEIFORM SIGN ERIN2  |
| 120A0 | ☒ CUNEIFORM SIGN ESH2   |
| 120A1 | ☒ CUNEIFORM SIGN EZEN   |
| 120A2 | ☒ CUNEIFORM SIGN EZEN TIMES A   |
| 120A3 | ☒ CUNEIFORM SIGN EZEN TIMES A PLUS LAL  |
| 120A4 | ☒ CUNEIFORM SIGN EZEN TIMES A PLUS LAL TIMES LAL  |
| 120A5 | ☒ CUNEIFORM SIGN EZEN TIMES AN  |
| 120A6 | ☒ CUNEIFORM SIGN EZEN TIMES BAD   |
| 120A7 | ☒ CUNEIFORM SIGN EZEN TIMES DUN3 GUNU   |
| 120A8 | ☒ CUNEIFORM SIGN EZEN TIMES DUN3 GUNU GUNU  |
| 120A9 | ☒ CUNEIFORM SIGN EZEN TIMES HA  |
| 120AA | ☒ CUNEIFORM SIGN EZEN TIMES HA GUNU   |
| 120AB | ☒ CUNEIFORM SIGN EZEN TIMES IGI GUNU  |
| 120AC | ☒ CUNEIFORM SIGN EZEN TIMES KASKAL  |

|       |   |
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| 120AD | ☒ CUNEIFORM SIGN EZEN TIMES KASKAL SQUARED      |
| 120AE | ☒ CUNEIFORM SIGN EZEN TIMES KU3                 |
| 120AF | ☒ CUNEIFORM SIGN EZEN TIMES LA                  |
| 120B0 | ☒ CUNEIFORM SIGN EZEN TIMES LAL TIMES LAL       |
| 120B1 | ☒ CUNEIFORM SIGN EZEN TIMES LI                  |
| 120B2 | ☒ CUNEIFORM SIGN EZEN TIMES LU                  |
| 120B3 | ☒ CUNEIFORM SIGN EZEN TIMES U2                  |
| 120B4 | ☒ CUNEIFORM SIGN EZEN TIMES UD                  |
| 120B5 | ☒ CUNEIFORM SIGN GA                             |
| 120B6 | ☒ CUNEIFORM SIGN GA GUNU                        |
| 120B7 | ☒ CUNEIFORM SIGN GA2                            |
| 120B8 | ☒ CUNEIFORM SIGN GA2 TIMES A PLUS DA PLUS HA    |
| 120B9 | ☒ CUNEIFORM SIGN GA2 TIMES A PLUS HA            |
| 120BA | ☒ CUNEIFORM SIGN GA2 TIMES A PLUS IGI           |
| 120BB | ☒ CUNEIFORM SIGN GA2 TIMES AB2 TENU PLUS TAB    |
| 120BC | ☒ CUNEIFORM SIGN GA2 TIMES AN                   |
| 120BD | ☒ CUNEIFORM SIGN GA2 TIMES ASH                  |
| 120BE | ☒ CUNEIFORM SIGN GA2 TIMES ASH2 PLUS GAL        |
| 120BF | ☒ CUNEIFORM SIGN GA2 TIMES BAD                  |
| 120C0 | ☒ CUNEIFORM SIGN GA2 TIMES BAR PLUS RA          |
| 120C1 | ☒ CUNEIFORM SIGN GA2 TIMES BUR                  |
| 120C2 | ☒ CUNEIFORM SIGN GA2 TIMES BUR PLUS RA          |
| 120C3 | ☒ CUNEIFORM SIGN GA2 TIMES DA                   |
| 120C4 | ☒ CUNEIFORM SIGN GA2 TIMES DI                   |
| 120C5 | ☒ CUNEIFORM SIGN GA2 TIMES DIM TIMES SHE        |
| 120C6 | ☒ CUNEIFORM SIGN GA2 TIMES DUB                  |
| 120C7 | ☒ CUNEIFORM SIGN GA2 TIMES EL                   |
| 120C8 | ☒ CUNEIFORM SIGN GA2 TIMES EL PLUS LA           |
| 120C9 | ☒ CUNEIFORM SIGN GA2 TIMES EN                   |
| 120CA | ☒ CUNEIFORM SIGN GA2 TIMES EN TIMES GAN2 TENU   |
| 120CB | ☒ CUNEIFORM SIGN GA2 TIMES GAN2 TENU            |
| 120CC | ☒ CUNEIFORM SIGN GA2 TIMES GAR                  |
| 120CD | ☒ CUNEIFORM SIGN GA2 TIMES GI                   |
| 120CE | ☒ CUNEIFORM SIGN GA2 TIMES GI4                  |
| 120CF | ☒ CUNEIFORM SIGN GA2 TIMES GI4 PLUS A           |
| 120D0 | ☒ CUNEIFORM SIGN GA2 TIMES GIR2 PLUS SU         |
| 120D1 | ☒ CUNEIFORM SIGN GA2 TIMES HA PLUS LU PLUS ESH2 |
| 120D2 | ☒ CUNEIFORM SIGN GA2 TIMES HAL                  |
| 120D3 | ☒ CUNEIFORM SIGN GA2 TIMES HAL PLUS LA          |
| 120D4 | ☒ CUNEIFORM SIGN GA2 TIMES HI PLUS LI           |
| 120D5 | ☒ CUNEIFORM SIGN GA2 TIMES HUB2                 |
| 120D6 | ☒ CUNEIFORM SIGN GA2 TIMES IGI GUNU             |
| 120D7 | ☒ CUNEIFORM SIGN GA2 TIMES ISH PLUS HU PLUS ASH |
| 120D8 | ☒ CUNEIFORM SIGN GA2 TIMES KAK                  |
| 120D9 | ☒ CUNEIFORM SIGN GA2 TIMES KASKAL               |
| 120DA | ☒ CUNEIFORM SIGN GA2 TIMES KID                  |
| 120DB | ☒ CUNEIFORM SIGN GA2 TIMES KID PLUS LAL         |
| 120DC | ☒ CUNEIFORM SIGN GA2 TIMES KU3 PLUS AN          |
| 120DD | ☒ CUNEIFORM SIGN GA2 TIMES LA                   |
| 120DE | ☒ CUNEIFORM SIGN GA2 TIMES ME PLUS EN           |
| 120DF | ☒ CUNEIFORM SIGN GA2 TIMES MI                   |
| 120E0 | ☒ CUNEIFORM SIGN GA2 TIMES NUN                  |
| 120E1 | ☒ CUNEIFORM SIGN GA2 TIMES NUN OVER NUN         |
| 120E2 | ☒ CUNEIFORM SIGN GA2 TIMES PA                   |
| 120E3 | ☒ CUNEIFORM SIGN GA2 TIMES SAL                  |
| 120E4 | ☒ CUNEIFORM SIGN GA2 TIMES SAR                  |
| 120E5 | ☒ CUNEIFORM SIGN GA2 TIMES SHE                  |
| 120E6 | ☒ CUNEIFORM SIGN GA2 TIMES SHE PLUS TUR         |
| 120E7 | ☒ CUNEIFORM SIGN GA2 TIMES SHID                 |
| 120E8 | ☒ CUNEIFORM SIGN GA2 TIMES SUM                  |
| 120E9 | ☒ CUNEIFORM SIGN GA2 TIMES TAK4                 |
| 120EA | ☒ CUNEIFORM SIGN GA2 TIMES U                    |
| 120EB | ☒ CUNEIFORM SIGN GA2 TIMES UD                   |
| 120EC | ☒ CUNEIFORM SIGN GA2 TIMES UD PLUS DU           |
| 120ED | ☒ CUNEIFORM SIGN GA2 OVER GA2                   |
| 120EE | ☒ CUNEIFORM SIGN GABA                           |
| 120EF | ☒ CUNEIFORM SIGN GABA CROSSING GABA             |
| 120F0 | ☒ CUNEIFORM SIGN GAD                            |
| 120F1 | ☒ CUNEIFORM SIGN GAD OVER GAD GAR OVER GAR      |
| 120F2 | ☒ CUNEIFORM SIGN GAL                            |

120F3 ☰ CUNEIFORM SIGN GAL GAD OVER GAD GAR OVER GAR  
 120F4 ☱ CUNEIFORM SIGN GALAM  
 120F5 ☲ CUNEIFORM SIGN GAM  
 120F6 ☳ CUNEIFORM SIGN GAN  
 120F7 ☴ CUNEIFORM SIGN GAN2  
 120F8 ☵ CUNEIFORM SIGN GAN2 TENU  
 120F9 ☶ CUNEIFORM SIGN GAN2 OVER GAN2  
 120FA ☷ CUNEIFORM SIGN GAN2 CROSSING GAN2  
 120FB ☸ CUNEIFORM SIGN GAR  
 120FC ☹ CUNEIFORM SIGN GAR3  
 120FD ☺ CUNEIFORM SIGN GASHAN  
 120FE ☻ CUNEIFORM SIGN GESHTIN  
 120FF ☼ CUNEIFORM SIGN GESHTIN TIMES KUR  
 12100 ☽ CUNEIFORM SIGN GI  
 12101 ☾ CUNEIFORM SIGN GI TIMES E  
 12102 ☿ CUNEIFORM SIGN GI TIMES U  
 12103 ☽ CUNEIFORM SIGN GI CROSSING GI  
 12104 ☽ CUNEIFORM SIGN GI4  
 12105 ☽ CUNEIFORM SIGN GI4 OVER GI4  
 12106 ☽ CUNEIFORM SIGN GI4 CROSSING GI4  
 12107 ☽ CUNEIFORM SIGN GIDIM  
 12108 ☽ CUNEIFORM SIGN GIR2  
 12109 ☽ CUNEIFORM SIGN GIR2 GUNU  
 1210A ☽ CUNEIFORM SIGN GIR3  
 1210B ☽ CUNEIFORM SIGN GIR3 TIMES A PLUS IGI  
 1210C ☽ CUNEIFORM SIGN GIR3 TIMES GAN2 TENU  
 1210D ☽ CUNEIFORM SIGN GIR3 TIMES IGI  
 1210E ☽ CUNEIFORM SIGN GIR3 TIMES LU PLUS IGI  
 1210F ☽ CUNEIFORM SIGN GIR3 TIMES PA  
 12110 ☽ CUNEIFORM SIGN GISAL  
 12111 ☽ CUNEIFORM SIGN GISH  
 12112 ☽ CUNEIFORM SIGN GISH CROSSING GISH  
 12113 ☽ CUNEIFORM SIGN GISH TIMES BAD  
 12114 ☽ CUNEIFORM SIGN GISH TIMES TAK4  
 12115 ☽ CUNEIFORM SIGN GISH TENU  
 12116 ☽ CUNEIFORM SIGN GU  
 12117 ☽ CUNEIFORM SIGN GU CROSSING GU  
 12118 ☽ CUNEIFORM SIGN GU2  
 12119 ☽ CUNEIFORM SIGN GU2 TIMES KAK  
 1211A ☽ CUNEIFORM SIGN GU2 TIMES KAK TIMES IGI GUNU  
 1211B ☽ CUNEIFORM SIGN GU2 TIMES NUN  
 1211C ☽ CUNEIFORM SIGN GU2 TIMES SAL PLUS TUG2  
 1211D ☽ CUNEIFORM SIGN GU2 GUNU  
 1211E ☽ CUNEIFORM SIGN GUD  
 1211F ☽ CUNEIFORM SIGN GUD TIMES A PLUS KUR  
 12120 ☽ CUNEIFORM SIGN GUD TIMES KUR  
 12121 ☽ CUNEIFORM SIGN GUD OVER GUD LUGAL  
 12122 ☽ CUNEIFORM SIGN GUL  
 12123 ☽ CUNEIFORM SIGN GUM  
 12124 ☽ CUNEIFORM SIGN GUM TIMES SHE  
 12125 ☽ CUNEIFORM SIGN GUR  
 12126 ☽ CUNEIFORM SIGN GUR7  
 12127 ☽ CUNEIFORM SIGN GURUN  
 12128 ☽ CUNEIFORM SIGN GURUSH  
 12129 ☽ CUNEIFORM SIGN HA  
 1212A ☽ CUNEIFORM SIGN HA TENU  
 1212B ☽ CUNEIFORM SIGN HA GUNU  
 1212C ☽ CUNEIFORM SIGN HAL  
 1212D ☽ CUNEIFORM SIGN HI  
 1212E ☽ CUNEIFORM SIGN HI TIMES ASH  
 1212F ☽ CUNEIFORM SIGN HI TIMES ASH2  
 12130 ☽ CUNEIFORM SIGN HI TIMES BAD  
 12131 ☽ CUNEIFORM SIGN HI TIMES DISH  
 12132 ☽ CUNEIFORM SIGN HI TIMES GAD  
 12133 ☽ CUNEIFORM SIGN HI TIMES KIN  
 12134 ☽ CUNEIFORM SIGN HI TIMES NUN  
 12135 ☽ CUNEIFORM SIGN HI TIMES SHE  
 12136 ☽ CUNEIFORM SIGN HI TIMES U  
 12137 ☽ CUNEIFORM SIGN HU

12138 ☽ CUNEIFORM SIGN HUB2  
 12139 ☽ CUNEIFORM SIGN HUB2 TIMES AN  
 1213A ☽ CUNEIFORM SIGN HUB2 TIMES HAL  
 1213B ☽ CUNEIFORM SIGN HUB2 TIMES KASKAL  
 1213C ☽ CUNEIFORM SIGN HUB2 TIMES LISH  
 1213D ☽ CUNEIFORM SIGN HUB2 TIMES UD  
 1213E ☽ CUNEIFORM SIGN HUL2  
 1213F ☽ CUNEIFORM SIGN I  
 12140 ☽ CUNEIFORM SIGN IA  
 12141 ☽ CUNEIFORM SIGN IB  
 12142 ☽ CUNEIFORM SIGN IDIM  
 12143 ☽ CUNEIFORM SIGN IDIM OVER IDIM BUR  
 12144 ☽ CUNEIFORM SIGN IDIM OVER IDIM SQUARED  
 12145 ☽ CUNEIFORM SIGN IG  
 12146 ☽ CUNEIFORM SIGN IGI  
 12147 ☽ CUNEIFORM SIGN IGI DIB  
 12148 ☽ CUNEIFORM SIGN IGI RI  
 12149 ☽ CUNEIFORM SIGN IGI OVER IGI SHIR OVER SHIR UD  
 OVER UD  
 1214A ☽ CUNEIFORM SIGN IGI GUNU  
 1214B ☽ CUNEIFORM SIGN IL  
 1214C ☽ CUNEIFORM SIGN IL TIMES GAN2 TENU  
 1214D ☽ CUNEIFORM SIGN IL2  
 1214E ☽ CUNEIFORM SIGN IM  
 1214F ☽ CUNEIFORM SIGN IM TIMES TAK4  
 12150 ☽ CUNEIFORM SIGN IM CROSSING IM  
 12151 ☽ CUNEIFORM SIGN IM OPPOSING IM  
 12152 ☽ CUNEIFORM SIGN IM SQUARED  
 12153 ☽ CUNEIFORM SIGN IMIN  
 12154 ☽ CUNEIFORM SIGN IN  
 12155 ☽ CUNEIFORM SIGN IR  
 12156 ☽ CUNEIFORM SIGN ISH  
 12157 ☽ CUNEIFORM SIGN KA  
 12158 ☽ CUNEIFORM SIGN KA TIMES A  
 12159 ☽ CUNEIFORM SIGN KA TIMES AD  
 1215A ☽ CUNEIFORM SIGN KA TIMES AD PLUS KU3  
 1215B ☽ CUNEIFORM SIGN KA TIMES ASH2  
 1215C ☽ CUNEIFORM SIGN KA TIMES BAD  
 1215D ☽ CUNEIFORM SIGN KA TIMES BALAG  
 1215E ☽ CUNEIFORM SIGN KA TIMES BAR  
 1215F ☽ CUNEIFORM SIGN KA TIMES BI  
 12160 ☽ CUNEIFORM SIGN KA TIMES ERIN2  
 12161 ☽ CUNEIFORM SIGN KA TIMES ESH2  
 12162 ☽ CUNEIFORM SIGN KA TIMES GA  
 12163 ☽ CUNEIFORM SIGN KA TIMES GAL  
 12164 ☽ CUNEIFORM SIGN KA TIMES GAN2 TENU  
 12165 ☽ CUNEIFORM SIGN KA TIMES GAR  
 12166 ☽ CUNEIFORM SIGN KA TIMES GAR PLUS SHA3 PLUS A  
 12167 ☽ CUNEIFORM SIGN KA TIMES GI  
 12168 ☽ CUNEIFORM SIGN KA TIMES GIR2  
 12169 ☽ CUNEIFORM SIGN KA TIMES GISH PLUS SAR  
 1216A ☽ CUNEIFORM SIGN KA TIMES GISH CROSSING GISH  
 1216B ☽ CUNEIFORM SIGN KA TIMES GU  
 1216C ☽ CUNEIFORM SIGN KA TIMES GUR7  
 1216D ☽ CUNEIFORM SIGN KA TIMES IGI  
 1216E ☽ CUNEIFORM SIGN KA TIMES IM  
 1216F ☽ CUNEIFORM SIGN KA TIMES KAK  
 12170 ☽ CUNEIFORM SIGN KA TIMES KI  
 12171 ☽ CUNEIFORM SIGN KA TIMES KID  
 12172 ☽ CUNEIFORM SIGN KA TIMES LI  
 12173 ☽ CUNEIFORM SIGN KA TIMES LU  
 12174 ☽ CUNEIFORM SIGN KA TIMES ME  
 12175 ☽ CUNEIFORM SIGN KA TIMES ME PLUS DU  
 12176 ☽ CUNEIFORM SIGN KA TIMES ME PLUS GI  
 12177 ☽ CUNEIFORM SIGN KA TIMES ME PLUS TE  
 12178 ☽ CUNEIFORM SIGN KA TIMES MI  
 12179 ☽ CUNEIFORM SIGN KA TIMES MI PLUS NUNUZ  
 1217A ☽ CUNEIFORM SIGN KA TIMES NE  
 1217B ☽ CUNEIFORM SIGN KA TIMES NUN  
 1217C ☽ CUNEIFORM SIGN KA TIMES PI

1217D ☰ CUNEIFORM SIGN KA TIMES RU  
 1217E ☱ CUNEIFORM SIGN KA TIMES SA  
 1217F ☲ CUNEIFORM SIGN KA TIMES SAR  
 12180 ☳ CUNEIFORM SIGN KA TIMES SHA  
 12181 ☴ CUNEIFORM SIGN KA TIMES SHE  
 12182 ☵ CUNEIFORM SIGN KA TIMES SHID  
 12183 ☶ CUNEIFORM SIGN KA TIMES SHU  
 12184 ☷ CUNEIFORM SIGN KA TIMES SIG  
 12185 ☸ CUNEIFORM SIGN KA TIMES SUHUR  
 12186 ☹ CUNEIFORM SIGN KA TIMES TAR  
 12187 ☺ CUNEIFORM SIGN KA TIMES U  
 12188 ☻ CUNEIFORM SIGN KA TIMES U2  
 12189 ☼ CUNEIFORM SIGN KA TIMES UD  
 1218A ☽ CUNEIFORM SIGN KA TIMES UMUM TIMES PA  
 1218B ☾ CUNEIFORM SIGN KA TIMES USH  
 1218C ☿ CUNEIFORM SIGN KA TIMES ZI  
 1218D ☾ CUNEIFORM SIGN KA2  
 1218E ☽ CUNEIFORM SIGN KA2 CROSSING KA2  
 1218F ☿ CUNEIFORM SIGN KAB  
 12190 ☾ CUNEIFORM SIGN KAD2  
 12191 ☽ CUNEIFORM SIGN KAD3  
 12192 ☿ CUNEIFORM SIGN KAD4  
 12193 ☽ CUNEIFORM SIGN KAD5  
 12194 ☽ CUNEIFORM SIGN KAD5 OVER KAD5  
 12195 ☽ CUNEIFORM SIGN KAK  
 12196 ☽ CUNEIFORM SIGN KAK TIMES IGI GUNU  
 12197 ☽ CUNEIFORM SIGN KAL  
 12198 ☽ CUNEIFORM SIGN KAL TIMES BAD  
 12199 ☽ CUNEIFORM SIGN KAL CROSSING KAL  
 1219A ☽ CUNEIFORM SIGN KAM2  
 1219B ☽ CUNEIFORM SIGN KAM4  
 1219C ☽ CUNEIFORM SIGN KASKAL  
 1219D ☽ CUNEIFORM SIGN KASKAL LAGAB TIMES U OVER LAGAB TIMES U  
 1219E ☽ CUNEIFORM SIGN KASKAL OVER KASKAL LAGAB TIMES U OVER LAGAB TIMES U  
 1219F ☽ CUNEIFORM SIGN KESH2  
 121A0 ☽ CUNEIFORM SIGN KI  
 121A1 ☽ CUNEIFORM SIGN KI TIMES BAD  
 121A2 ☽ CUNEIFORM SIGN KI TIMES U  
 121A3 ☽ CUNEIFORM SIGN KI TIMES UD  
 121A4 ☽ CUNEIFORM SIGN KID  
 121A5 ☽ CUNEIFORM SIGN KIN  
 121A6 ☽ CUNEIFORM SIGN KISAL  
 121A7 ☽ CUNEIFORM SIGN KISH  
 121A8 ☽ CUNEIFORM SIGN KISIM5  
 121A9 ☽ CUNEIFORM SIGN KISIM5 OVER KISIM5  
 121AA ☽ CUNEIFORM SIGN KU  
 121AB ☽ CUNEIFORM SIGN KU OVER HI TIMES ASH2 KU OVER HI TIMES ASH2  
 121AC ☽ CUNEIFORM SIGN KU3  
 121AD ☽ CUNEIFORM SIGN KU4  
 121AE ☽ CUNEIFORM SIGN KU4 VARIANT FORM  
 121AF ☽ CUNEIFORM SIGN KU7  
 121B0 ☽ CUNEIFORM SIGN KUL  
 121B1 ☽ CUNEIFORM SIGN KUL GUNU  
 121B2 ☽ CUNEIFORM SIGN KUN  
 121B3 ☽ CUNEIFORM SIGN KUR  
 121B4 ☽ CUNEIFORM SIGN KUR OPPOSING KUR  
 121B5 ☽ CUNEIFORM SIGN KUSHU2  
 121B6 ☽ CUNEIFORM SIGN KWU318  
 121B7 ☽ CUNEIFORM SIGN LA  
 121B8 ☽ CUNEIFORM SIGN LAGAB  
 121B9 ☽ CUNEIFORM SIGN LAGAB TIMES A  
 121BA ☽ CUNEIFORM SIGN LAGAB TIMES A PLUS DA PLUS HA  
 121BB ☽ CUNEIFORM SIGN LAGAB TIMES A PLUS GAR  
 121BC ☽ CUNEIFORM SIGN LAGAB TIMES A PLUS LAL  
 121BD ☽ CUNEIFORM SIGN LAGAB TIMES AL  
 121BE ☽ CUNEIFORM SIGN LAGAB TIMES AN  
 121BF ☽ CUNEIFORM SIGN LAGAB TIMES ASH ZIDA TENU  
 121C0 ☽ CUNEIFORM SIGN LAGAB TIMES BAD

121C1 ☽ CUNEIFORM SIGN LAGAB TIMES BI  
 121C2 ☽ CUNEIFORM SIGN LAGAB TIMES DAR  
 121C3 ☽ CUNEIFORM SIGN LAGAB TIMES EN  
 121C4 ☽ CUNEIFORM SIGN LAGAB TIMES GA  
 121C5 ☽ CUNEIFORM SIGN LAGAB TIMES GAR  
 121C6 ☽ CUNEIFORM SIGN LAGAB TIMES GUD  
 121C7 ☽ CUNEIFORM SIGN LAGAB TIMES GUD PLUS GUD  
 121C8 ☽ CUNEIFORM SIGN LAGAB TIMES HA  
 121C9 ☽ CUNEIFORM SIGN LAGAB TIMES HAL  
 121CA ☽ CUNEIFORM SIGN LAGAB TIMES HI TIMES NUN  
 121CB ☽ CUNEIFORM SIGN LAGAB TIMES IGI GUNU  
 121CC ☽ CUNEIFORM SIGN LAGAB TIMES IM  
 121CD ☽ CUNEIFORM SIGN LAGAB TIMES IM PLUS HA  
 121CE ☽ CUNEIFORM SIGN LAGAB TIMES IM PLUS LU  
 121CF ☽ CUNEIFORM SIGN LAGAB TIMES KI  
 121D0 ☽ CUNEIFORM SIGN LAGAB TIMES KIN  
 121D1 ☽ CUNEIFORM SIGN LAGAB TIMES KU3  
 121D2 ☽ CUNEIFORM SIGN LAGAB TIMES KUL  
 121D3 ☽ CUNEIFORM SIGN LAGAB TIMES KUL PLUS HI PLUS A  
 121D4 ☽ CUNEIFORM SIGN LAGAB TIMES LAGAB  
 121D5 ☽ CUNEIFORM SIGN LAGAB TIMES LISH  
 121D6 ☽ CUNEIFORM SIGN LAGAB TIMES LU  
 121D7 ☽ CUNEIFORM SIGN LAGAB TIMES LUL  
 121D8 ☽ CUNEIFORM SIGN LAGAB TIMES ME  
 121D9 ☽ CUNEIFORM SIGN LAGAB TIMES ME PLUS EN  
 121DA ☽ CUNEIFORM SIGN LAGAB TIMES MUSH  
 121DB ☽ CUNEIFORM SIGN LAGAB TIMES NE  
 121DC ☽ CUNEIFORM SIGN LAGAB TIMES SHE PLUS SUM  
 121DD ☽ CUNEIFORM SIGN LAGAB TIMES SHITA PLUS GISH PLUS ERIN2  
 121DE ☽ CUNEIFORM SIGN LAGAB TIMES SHITA PLUS GISH TENU  
 121DF ☽ CUNEIFORM SIGN LAGAB TIMES SHU2  
 121E0 ☽ CUNEIFORM SIGN LAGAB TIMES SHU2 PLUS SHU2  
 121E1 ☽ CUNEIFORM SIGN LAGAB TIMES SUM  
 121E2 ☽ CUNEIFORM SIGN LAGAB TIMES TAG  
 121E3 ☽ CUNEIFORM SIGN LAGAB TIMES TAK4  
 121E4 ☽ CUNEIFORM SIGN LAGAB TIMES TE PLUS A PLUS SU PLUS NA  
 121E5 ☽ CUNEIFORM SIGN LAGAB TIMES U  
 121E6 ☽ CUNEIFORM SIGN LAGAB TIMES U PLUS A  
 121E7 ☽ CUNEIFORM SIGN LAGAB TIMES U PLUS U PLUS U  
 121E8 ☽ CUNEIFORM SIGN LAGAB TIMES U2 PLUS ASH  
 121E9 ☽ CUNEIFORM SIGN LAGAB TIMES UD  
 121EA ☽ CUNEIFORM SIGN LAGAB TIMES USH  
 121EB ☽ CUNEIFORM SIGN LAGAB SQUARED  
 121EC ☽ CUNEIFORM SIGN LAGAR  
 121ED ☽ CUNEIFORM SIGN LAGAR TIMES SHE  
 121EE ☽ CUNEIFORM SIGN LAGAR TIMES SHE PLUS SUM  
 121EF ☽ CUNEIFORM SIGN LAGAR GUNU  
 121F0 ☽ CUNEIFORM SIGN LAGAR GUNU OVER LAGAR GUNU SHE  
 121F1 ☽ CUNEIFORM SIGN LAHSHU  
 121F2 ☽ CUNEIFORM SIGN LAL  
 121F3 ☽ CUNEIFORM SIGN LAL TIMES LAL  
 121F4 ☽ CUNEIFORM SIGN LAM  
 121F5 ☽ CUNEIFORM SIGN LAM TIMES KUR  
 121F6 ☽ CUNEIFORM SIGN LAM TIMES KUR PLUS RU  
 121F7 ☽ CUNEIFORM SIGN LI  
 121F8 ☽ CUNEIFORM SIGN LIL  
 121F9 ☽ CUNEIFORM SIGN LIMMU2  
 121FA ☽ CUNEIFORM SIGN LISH  
 121FB ☽ CUNEIFORM SIGN LU  
 121FC ☽ CUNEIFORM SIGN LU TIMES BAD  
 121FD ☽ CUNEIFORM SIGN LU2  
 121FE ☽ CUNEIFORM SIGN LU2 TIMES AL  
 121FF ☽ CUNEIFORM SIGN LU2 TIMES BAD  
 12200 ☽ CUNEIFORM SIGN LU2 TIMES ESH2  
 12201 ☽ CUNEIFORM SIGN LU2 TIMES ESH2 TENU  
 12202 ☽ CUNEIFORM SIGN LU2 TIMES GAN2 TENU  
 12203 ☽ CUNEIFORM SIGN LU2 TIMES HI TIMES BAD

|       |   |
|-------|---|
| 12204 | ☒ CUNEIFORM SIGN LU2 TIMES IM   |
| 12205 | ☒ CUNEIFORM SIGN LU2 TIMES KAD2   |
| 12206 | ☒ CUNEIFORM SIGN LU2 TIMES KAD3   |
| 12207 | ☒ CUNEIFORM SIGN LU2 TIMES KAD3 PLUS ASH  |
| 12208 | ☒ CUNEIFORM SIGN LU2 TIMES KI   |
| 12209 | ☒ CUNEIFORM SIGN LU2 TIMES LA PLUS ASH  |
| 1220A | ☒ CUNEIFORM SIGN LU2 TIMES LAGAB  |
| 1220B | ☒ CUNEIFORM SIGN LU2 TIMES ME PLUS EN   |
| 1220C | ☒ CUNEIFORM SIGN LU2 TIMES NE   |
| 1220D | ☒ CUNEIFORM SIGN LU2 TIMES NU   |
| 1220E | ☒ CUNEIFORM SIGN LU2 TIMES SI PLUS ASH  |
| 1220F | ☒ CUNEIFORM SIGN LU2 TIMES SIK2 PLUS BU   |
| 12210 | ☒ CUNEIFORM SIGN LU2 TIMES TUG2   |
| 12211 | ☒ CUNEIFORM SIGN LU2 TENU   |
| 12212 | ☒ CUNEIFORM SIGN LU2 CROSSING LU2   |
| 12213 | ☒ CUNEIFORM SIGN LU2 OPPOSING LU2   |
| 12214 | ☒ CUNEIFORM SIGN LU2 SQUARED  |
| 12215 | ☒ CUNEIFORM SIGN LU2 SHESHIG  |
| 12216 | ☒ CUNEIFORM SIGN LU3  |
| 12217 | ☒ CUNEIFORM SIGN LUGAL  |
| 12218 | ☒ CUNEIFORM SIGN LUGAL OVER LUGAL   |
| 12219 | ☒ CUNEIFORM SIGN LUGAL OPPOSING LUGAL   |
| 1221A | ☒ CUNEIFORM SIGN LUGAL SHESHIG  |
| 1221B | ☒ CUNEIFORM SIGN LUH  |
| 1221C | ☒ CUNEIFORM SIGN LUL  |
| 1221D | ☒ CUNEIFORM SIGN LUM  |
| 1221E | ☒ CUNEIFORM SIGN LUM OVER LUM   |
| 1221F | ☒ CUNEIFORM SIGN LUM OVER LUM GAR OVER GAR  |
| 12220 | ☒ CUNEIFORM SIGN MA   |
| 12221 | ☒ CUNEIFORM SIGN MA TIMES TAK4  |
| 12222 | ☒ CUNEIFORM SIGN MA GUNU  |
| 12223 | ☒ CUNEIFORM SIGN MA2  |
| 12224 | ☒ CUNEIFORM SIGN MAH  |
| 12225 | ☒ CUNEIFORM SIGN MAR  |
| 12226 | ☒ CUNEIFORM SIGN MASH<br>= 1/2 diš<br>→ 1244F ✂ cuneiform numeric sign one ban2<br>• 12593 ✂ should be used for 1/2 aš curved<br>→ 12593 ✂ cuneiform numeric sign one ban2 curved |
| 12227 | ☒ CUNEIFORM SIGN MASH2  |
| 12228 | ☒ CUNEIFORM SIGN ME   |
| 12229 | ☒ CUNEIFORM SIGN MES  |
| 1222A | ☒ CUNEIFORM SIGN MI   |
| 1222B | ☒ CUNEIFORM SIGN MIN<br>= 2 diš<br>→ 12408 〽 cuneiform numeric sign three dish<br>→ 1255A 〽 cuneiform numeric sign two n08  |
| 1222C | ☒ CUNEIFORM SIGN MU   |
| 1222D | ☒ CUNEIFORM SIGN MU OVER MU   |
| 1222E | ☒ CUNEIFORM SIGN MUG  |
| 1222F | ☒ CUNEIFORM SIGN MUG GUNU   |
| 12230 | ☒ CUNEIFORM SIGN MUNSUB   |
| 12231 | ☒ CUNEIFORM SIGN MURGU2   |
| 12232 | ☒ CUNEIFORM SIGN MUSH   |
| 12233 | ☒ CUNEIFORM SIGN MUSH TIMES A   |
| 12234 | ☒ CUNEIFORM SIGN MUSH TIMES KUR   |
| 12235 | ☒ CUNEIFORM SIGN MUSH TIMES ZA  |
| 12236 | ☒ CUNEIFORM SIGN MUSH OVER MUSH   |
| 12237 | ☒ CUNEIFORM SIGN MUSH OVER MUSH TIMES A PLUS NA   |
| 12238 | ☒ CUNEIFORM SIGN MUSH CROSSING MUSH   |
| 12239 | ☒ CUNEIFORM SIGN MUSH3  |
| 1223A | ☒ CUNEIFORM SIGN MUSH3 TIMES A  |
| 1223B | ☒ CUNEIFORM SIGN MUSH3 TIMES A PLUS DI  |
| 1223C | ☒ CUNEIFORM SIGN MUSH3 TIMES DI   |
| 1223D | ☒ CUNEIFORM SIGN MUSH3 GUNU   |

|       |  |
|-------|--|
| 1223E | ☒ CUNEIFORM SIGN NA  |
| 1223F | ☒ CUNEIFORM SIGN NA2   |
| 12240 | ☒ CUNEIFORM SIGN NAGA  |
| 12241 | ☒ CUNEIFORM SIGN NAGA INVERTED                                   |
| 12242 | ☒ CUNEIFORM SIGN NAGA TIMES SHU TENU                             |
| 12243 | ☒ CUNEIFORM SIGN NAGA OPPOSING NAGA                              |
| 12244 | ☒ CUNEIFORM SIGN NAGAR   |
| 12245 | ☒ CUNEIFORM SIGN NAM NUTILLU                                     |
| 12246 | ☒ CUNEIFORM SIGN NAM   |
| 12247 | ☒ CUNEIFORM SIGN NAM2  |
| 12248 | ☒ CUNEIFORM SIGN NE  |
| 12249 | ☒ CUNEIFORM SIGN NE TIMES A                                      |
| 1224A | ☒ CUNEIFORM SIGN NE TIMES UD                                     |
| 1224B | ☒ CUNEIFORM SIGN NE SHESHIG                                      |
| 1224C | ☒ CUNEIFORM SIGN NI  |
| 1224D | ☒ CUNEIFORM SIGN NI TIMES E                                      |
| 1224E | ☒ CUNEIFORM SIGN NI2   |
| 1224F | ☒ CUNEIFORM SIGN NIM   |
| 12250 | ☒ CUNEIFORM SIGN NIM TIMES GAN2 TENU                             |
| 12251 | ☒ CUNEIFORM SIGN NIM TIMES GAR PLUS GAN2 TENU                    |
| 12252 | ☒ CUNEIFORM SIGN NINDA2  |
| 12253 | ☒ CUNEIFORM SIGN NINDA2 TIMES AN                                 |
| 12254 | ☒ CUNEIFORM SIGN NINDA2 TIMES ASH                                |
| 12255 | ☒ CUNEIFORM SIGN NINDA2 TIMES ASH PLUS ASH                       |
| 12256 | ☒ CUNEIFORM SIGN NINDA2 TIMES GUD                                |
| 12257 | ☒ CUNEIFORM SIGN NINDA2 TIMES ME PLUS GAN2 TENU                  |
| 12258 | ☒ CUNEIFORM SIGN NINDA2 TIMES NE                                 |
| 12259 | ☒ CUNEIFORM SIGN NINDA2 TIMES NUN                                |
| 1225A | ☒ CUNEIFORM SIGN NINDA2 TIMES SHE                                |
| 1225B | ☒ CUNEIFORM SIGN NINDA2 TIMES SHE PLUS A AN                      |
| 1225C | ☒ CUNEIFORM SIGN NINDA2 TIMES SHE PLUS ASH                       |
| 1225D | ☒ CUNEIFORM SIGN NINDA2 TIMES SHE PLUS ASH PLUS ASH              |
| 1225E | ☒ CUNEIFORM SIGN NINDA2 TIMES U2 PLUS ASH                        |
| 1225F | ☒ CUNEIFORM SIGN NINDA2 TIMES USH                                |
| 12260 | ☒ CUNEIFORM SIGN NISAG   |
| 12261 | ☒ CUNEIFORM SIGN NU  |
| 12262 | ☒ CUNEIFORM SIGN NU11  |
| 12263 | ☒ CUNEIFORM SIGN NUN   |
| 12264 | ☒ CUNEIFORM SIGN NUN LAGAR TIMES GAR                             |
| 12265 | ☒ CUNEIFORM SIGN NUN LAGAR TIMES MASH                            |
| 12266 | ☒ CUNEIFORM SIGN NUN LAGAR TIMES SAL                             |
| 12267 | ☒ CUNEIFORM SIGN NUN LAGAR TIMES SAL OVER NUN LAGAR TIMES SAL    |
| 12268 | ☒ CUNEIFORM SIGN NUN LAGAR TIMES USH                             |
| 12269 | ☒ CUNEIFORM SIGN NUN TENU  |
| 1226A | ☒ CUNEIFORM SIGN NUN OVER NUN                                    |
| 1226B | ☒ CUNEIFORM SIGN NUN CROSSING NUN                                |
| 1226C | ☒ CUNEIFORM SIGN NUN CROSSING NUN LAGAR OVER LAGAR               |
| 1226D | ☒ CUNEIFORM SIGN NUNUZ   |
| 1226E | ☒ CUNEIFORM SIGN NUNUZ AB2 TIMES ASHGAB                          |
| 1226F | ☒ CUNEIFORM SIGN NUNUZ AB2 TIMES BI                              |
| 12270 | ☒ CUNEIFORM SIGN NUNUZ AB2 TIMES DUG                             |
| 12271 | ☒ CUNEIFORM SIGN NUNUZ AB2 TIMES GUD                             |
| 12272 | ☒ CUNEIFORM SIGN NUNUZ AB2 TIMES IGI GUNU                        |
| 12273 | ☒ CUNEIFORM SIGN NUNUZ AB2 TIMES KAD3                            |
| 12274 | ☒ CUNEIFORM SIGN NUNUZ AB2 TIMES LA                              |
| 12275 | ☒ CUNEIFORM SIGN NUNUZ AB2 TIMES NE                              |
| 12276 | ☒ CUNEIFORM SIGN NUNUZ AB2 TIMES SILA3                           |
| 12277 | ☒ CUNEIFORM SIGN NUNUZ AB2 TIMES U2                              |
| 12278 | ☒ CUNEIFORM SIGN NUNUZ KISIM5 TIMES BI                           |
| 12279 | ☒ CUNEIFORM SIGN NUNUZ KISIM5 TIMES BI U                         |
| 1227A | ☒ CUNEIFORM SIGN PA<br>→ 12450 〽 cuneiform numeric sign two ban2 |
| 1227B | ☒ CUNEIFORM SIGN PAD   |
| 1227C | ☒ CUNEIFORM SIGN PAN   |
| 1227D | ☒ CUNEIFORM SIGN PAP   |
| 1227E | ☒ CUNEIFORM SIGN PESH2   |
| 1227F | ☒ CUNEIFORM SIGN PI  |

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|-------|---|---|
| 12280 | ● | CUNEIFORM SIGN PI TIMES A   |
| 12281 | ● | CUNEIFORM SIGN PI TIMES AB  |
| 12282 | ● | CUNEIFORM SIGN PI TIMES BI  |
| 12283 | ● | CUNEIFORM SIGN PI TIMES BU  |
| 12284 | ● | CUNEIFORM SIGN PI TIMES E   |
| 12285 | ● | CUNEIFORM SIGN PI TIMES I   |
| 12286 | ● | CUNEIFORM SIGN PI TIMES IB  |
| 12287 | ● | CUNEIFORM SIGN PI TIMES U   |
| 12288 | ● | CUNEIFORM SIGN PI TIMES U2  |
| 12289 | ● | CUNEIFORM SIGN PI CROSSING PI   |
| 1228A | ● | CUNEIFORM SIGN PIRIG  |
| 1228B | ● | CUNEIFORM SIGN PIRIG TIMES KAL  |
| 1228C | ● | CUNEIFORM SIGN PIRIG TIMES UD   |
| 1228D | ● | CUNEIFORM SIGN PIRIG TIMES ZA   |
| 1228E | ● | CUNEIFORM SIGN PIRIG OPPOSING PIRIG   |
| 1228F | ● | CUNEIFORM SIGN RA   |
| 12290 | ● | CUNEIFORM SIGN RAB  |
| 12291 | ● | CUNEIFORM SIGN RI   |
| 12292 | ● | CUNEIFORM SIGN RU   |
| 12293 | ● | CUNEIFORM SIGN SA   |
| 12294 | ● | CUNEIFORM SIGN SAG NUTILLU  |
| 12295 | ● | CUNEIFORM SIGN SAG  |
| 12296 | ● | CUNEIFORM SIGN SAG TIMES A  |
| 12297 | ● | CUNEIFORM SIGN SAG TIMES DU   |
| 12298 | ● | CUNEIFORM SIGN SAG TIMES DUB  |
| 12299 | ● | CUNEIFORM SIGN SAG TIMES HA   |
| 1229A | ● | CUNEIFORM SIGN SAG TIMES KAK  |
| 1229B | ● | CUNEIFORM SIGN SAG TIMES KUR  |
| 1229C | ● | CUNEIFORM SIGN SAG TIMES LUM  |
| 1229D | ● | CUNEIFORM SIGN SAG TIMES MI   |
| 1229E | ● | CUNEIFORM SIGN SAG TIMES NUN  |
| 1229F | ● | CUNEIFORM SIGN SAG TIMES SAL  |
| 122A0 | ● | CUNEIFORM SIGN SAG TIMES SHID   |
| 122A1 | ● | CUNEIFORM SIGN SAG TIMES TAB  |
| 122A2 | ● | CUNEIFORM SIGN SAG TIMES U2   |
| 122A3 | ● | CUNEIFORM SIGN SAG TIMES UB   |
| 122A4 | ● | CUNEIFORM SIGN SAG TIMES UM   |
| 122A5 | ● | CUNEIFORM SIGN SAG TIMES UR   |
| 122A6 | ● | CUNEIFORM SIGN SAG TIMES USH  |
| 122A7 | ● | CUNEIFORM SIGN SAG OVER SAG   |
| 122A8 | ● | CUNEIFORM SIGN SAG GUNU   |
| 122A9 | ▷ | CUNEIFORM SIGN SAL  |
| 122AA | ● | CUNEIFORM SIGN SAL LAGAB TIMES ASH2   |
| 122AB | ● | CUNEIFORM SIGN SANGA2   |
| 122AC | ● | CUNEIFORM SIGN SAR  |
| 122AD | ● | CUNEIFORM SIGN SHA  |
| 122AE | ❖ | CUNEIFORM SIGN SHA3   |
| 122AF | ❖ | CUNEIFORM SIGN SHA3 TIMES A   |
| 122B0 | ❖ | CUNEIFORM SIGN SHA3 TIMES BAD   |
| 122B1 | ❖ | CUNEIFORM SIGN SHA3 TIMES GISH  |
| 122B2 | ❖ | CUNEIFORM SIGN SHA3 TIMES NE  |
| 122B3 | ❖ | CUNEIFORM SIGN SHA3 TIMES SHU2  |
| 122B4 | ❖ | CUNEIFORM SIGN SHA3 TIMES TUR   |
| 122B5 | ❖ | CUNEIFORM SIGN SHA3 TIMES U   |
| 122B6 | ❖ | CUNEIFORM SIGN SHA3 TIMES U PLUS A  |
| 122B7 | ● | CUNEIFORM SIGN SHA6   |
| 122B8 | ● | CUNEIFORM SIGN SHAB6  |
| 122B9 | ● | CUNEIFORM SIGN SHAR2  |
|       | • | merges with 1212D ❖ in logographic use in all but the most archaizing texts                       |
|       | • | the archaic reference glyph is formed by making a circular indentation with the end of the stylus |
|       | = | 1 šar <sub>2</sub>  |
|       | → | 12423 ❖ cuneiform numeric sign two shar2  |
|       | • | 12579 ● should be used for numeric 1 šar <sub>2</sub> curved                                      |
|       | → | 12579 ● cuneiform numeric sign one n45  |
| 122BA | ● | CUNEIFORM SIGN SHE  |

|       |   |   |
|-------|---|---|
| 122BB | ● | CUNEIFORM SIGN SHE HU                                 |
| 122BC | ● | CUNEIFORM SIGN SHE OVER SHE GAD OVER GAD GAR OVER GAR |
| 122BD | ● | CUNEIFORM SIGN SHE OVER SHE TAB OVER TAB GAR OVER GAR |
| 122BE | ● | CUNEIFORM SIGN SHEG9                                  |
| 122BF | ● | CUNEIFORM SIGN SHEN                                   |
| 122C0 | ● | CUNEIFORM SIGN SHESH                                  |
| 122C1 | ● | CUNEIFORM SIGN SHESH2                                 |
| 122C2 | ● | CUNEIFORM SIGN SHESHLAM                               |
| 122C3 | ● | CUNEIFORM SIGN SHID                                   |
| 122C4 | ● | CUNEIFORM SIGN SHID TIMES A                           |
| 122C5 | ● | CUNEIFORM SIGN SHID TIMES IM                          |
| 122C6 | ● | CUNEIFORM SIGN SHIM                                   |
| 122C7 | ● | CUNEIFORM SIGN SHIM TIMES A                           |
| 122C8 | ● | CUNEIFORM SIGN SHIM TIMES BAL                         |
| 122C9 | ● | CUNEIFORM SIGN SHIM TIMES BULUG                       |
| 122CA | ● | CUNEIFORM SIGN SHIM TIMES DIN                         |
| 122CB | ● | CUNEIFORM SIGN SHIM TIMES GAR                         |
| 122CC | ● | CUNEIFORM SIGN SHIM TIMES IGI                         |
| 122CD | ● | CUNEIFORM SIGN SHIM TIMES IGI GUNU                    |
| 122CE | ● | CUNEIFORM SIGN SHIM TIMES KUSHU2                      |
| 122CF | ● | CUNEIFORM SIGN SHIM TIMES LUL                         |
| 122D0 | ● | CUNEIFORM SIGN SHIM TIMES MUG                         |
| 122D1 | ● | CUNEIFORM SIGN SHIM TIMES SAL                         |
| 122D2 | ● | CUNEIFORM SIGN SHINIG                                 |
| 122D3 | ❖ | CUNEIFORM SIGN SHIR                                   |
| 122D4 | ❖ | CUNEIFORM SIGN SHIR TENU                              |
|       | ✖ | CUNEIFORM SIGN NU11 TENU                              |
| 122D5 | ● | CUNEIFORM SIGN SHIR OVER SHIR BUR OVER BUR            |
|       | ✖ | CUNEIFORM SIGN NU11 OVER NU11 BUR OVER BUR            |
| 122D6 | ● | CUNEIFORM SIGN SHITA                                  |
| 122D7 | ● | CUNEIFORM SIGN SHU                                    |
| 122D8 | ● | CUNEIFORM SIGN SHU OVER INVERTED SHU                  |
| 122D9 | ● | CUNEIFORM SIGN SHU2                                   |
| 122DA | ● | CUNEIFORM SIGN SHUBUR                                 |
| 122DB | ● | CUNEIFORM SIGN SI                                     |
| 122DC | ● | CUNEIFORM SIGN SI GUNU                                |
| 122DD | ❖ | CUNEIFORM SIGN SIG                                    |
| 122DE | ❖ | CUNEIFORM SIGN SIG4                                   |
| 122DF | ❖ | CUNEIFORM SIGN SIG4 OVER SIG4 SHU2                    |
| 122E0 | ● | CUNEIFORM SIGN SIK2                                   |
| 122E1 | ● | CUNEIFORM SIGN SILA3                                  |
| 122E2 | ● | CUNEIFORM SIGN SU                                     |
| 122E3 | ● | CUNEIFORM SIGN SU OVER SU                             |
| 122E4 | ● | CUNEIFORM SIGN SUD                                    |
| 122E5 | ● | CUNEIFORM SIGN SUD2                                   |
| 122E6 | ● | CUNEIFORM SIGN SUHUR                                  |
| 122E7 | ● | CUNEIFORM SIGN SUM                                    |
| 122E8 | ● | CUNEIFORM SIGN SUMASH                                 |
| 122E9 | ● | CUNEIFORM SIGN SUR                                    |
| 122EA | ● | CUNEIFORM SIGN SUR9                                   |
| 122EB | ● | CUNEIFORM SIGN TA                                     |
| 122EC | ● | CUNEIFORM SIGN TA ASTERISK                            |
| 122ED | ● | CUNEIFORM SIGN TA TIMES HI                            |
| 122EE | ● | CUNEIFORM SIGN TA TIMES MI                            |
| 122EF | ● | CUNEIFORM SIGN TA GUNU                                |
| 122F0 | ● | CUNEIFORM SIGN TAB                                    |
| 122F1 | ● | CUNEIFORM SIGN TAB OVER TAB NI OVER NI DISH OVER DISH |
| 122F2 | ● | CUNEIFORM SIGN TAB SQUARED                            |
| 122F3 | ● | CUNEIFORM SIGN TAG                                    |
| 122F4 | ● | CUNEIFORM SIGN TAG TIMES BI                           |
| 122F5 | ● | CUNEIFORM SIGN TAG TIMES GUD                          |
| 122F6 | ● | CUNEIFORM SIGN TAG TIMES SHE                          |
| 122F7 | ● | CUNEIFORM SIGN TAG TIMES SHU                          |
| 122F8 | ● | CUNEIFORM SIGN TAG TIMES TUG2                         |
| 122F9 | ● | CUNEIFORM SIGN TAG TIMES UD                           |
| 122FA | ● | CUNEIFORM SIGN TAK4                                   |

|       |  |
|-------|--|
| 122FB | ❖ CUNEIFORM SIGN TAR   |
| 122FC | ❖ CUNEIFORM SIGN TE  |
| 122FD | ❖ CUNEIFORM SIGN TE GUNU   |
| 122FE | ❖ CUNEIFORM SIGN TI  |
| 122FF | ❖ CUNEIFORM SIGN TI TENU   |
| 12300 | ❖ CUNEIFORM SIGN TIL   |
| 12301 | ❖ CUNEIFORM SIGN TIR   |
| 12302 | ❖ CUNEIFORM SIGN TIR TIMES TAK4  |
| 12303 | ❖ CUNEIFORM SIGN TIR OVER TIR  |
| 12304 | ❖ CUNEIFORM SIGN TIR OVER TIR GAD OVER GAD GAR<br>OVER GAR   |
| 12305 | ❖ CUNEIFORM SIGN TU  |
| 12306 | ❖ CUNEIFORM SIGN TUG2  |
| 12307 | ❖ CUNEIFORM SIGN TUK   |
| 12308 | ❖ CUNEIFORM SIGN TUM   |
| 12309 | ❖ CUNEIFORM SIGN TUR   |
| 1230A | ❖ CUNEIFORM SIGN TUR OVER TUR ZA OVER ZA   |
| 1230B | ❖ CUNEIFORM SIGN U<br>= 1 u<br>= 1 bur <sub>3</sub><br>→ 1240F ❖ cuneiform numeric sign four u<br>→ 12562 • cuneiform numeric sign one n14<br><br>→ 12656 ! cuneiform numeric sign one n14 flat          |
| 1230C | ❖ CUNEIFORM SIGN U GUD   |
| 1230D | ❖ CUNEIFORM SIGN U U U<br>= 3 u<br>= 3 bur <sub>3</sub><br>→ 1240F ❖ cuneiform numeric sign four u<br>→ 12564 ♦♦ cuneiform numeric sign three n14<br><br>→ 12658 ! cuneiform numeric sign three n14 flat |
| 1230E | ❖ CUNEIFORM SIGN U OVER U PA OVER PA GAR OVER GAR  |
| 1230F | ❖ CUNEIFORM SIGN U OVER U SUR OVER SUR   |
| 12310 | ❖ CUNEIFORM SIGN U OVER U U REVERSED OVER U REVERSED   |
| 12311 | ❖ CUNEIFORM SIGN U2  |
| 12312 | ❖ CUNEIFORM SIGN UB  |
| 12313 | ❖ CUNEIFORM SIGN UD  |
| 12314 | ❖ CUNEIFORM SIGN UD KUSHU2   |
| 12315 | ❖ CUNEIFORM SIGN UD TIMES BAD  |
| 12316 | ❖ CUNEIFORM SIGN UD TIMES MI   |
| 12317 | ❖ CUNEIFORM SIGN UD TIMES U PLUS U PLUS U  |
| 12318 | ❖ CUNEIFORM SIGN UD TIMES U PLUS U PLUS U GUNU   |
| 12319 | ❖ CUNEIFORM SIGN UD GUNU   |
| 1231A | ❖ CUNEIFORM SIGN UD SHESHIG  |
| 1231B | ❖ CUNEIFORM SIGN UD SHESHIG TIMES BAD  |
| 1231C | ❖ CUNEIFORM SIGN UDUG  |
| 1231D | ❖ CUNEIFORM SIGN UM  |
| 1231E | ❖ CUNEIFORM SIGN UM TIMES LAGAB  |
| 1231F | ❖ CUNEIFORM SIGN UM TIMES ME PLUS DA   |
| 12320 | ❖ CUNEIFORM SIGN UM TIMES SHA3   |
| 12321 | ❖ CUNEIFORM SIGN UM TIMES U  |
| 12322 | ❖ CUNEIFORM SIGN UMBIN   |
| 12323 | ❖ CUNEIFORM SIGN UMUM  |
| 12324 | ❖ CUNEIFORM SIGN UMUM TIMES KASKAL   |
| 12325 | ❖ CUNEIFORM SIGN UMUM TIMES PA   |
| 12326 | ❖ CUNEIFORM SIGN UN<br>= kalam gunû<br>• the names of this and the following sign incorrectly reflect the gunû relationship between them   |
| 12327 | ❖ CUNEIFORM SIGN UN GUNU<br>❖ CUNEIFORM SIGN KALAM   |
| 12328 | ❖ CUNEIFORM SIGN UR  |
| 12329 | ❖ CUNEIFORM SIGN UR CROSSING UR  |
| 1232A | ❖ CUNEIFORM SIGN UR SHESHIG  |

|       |  |
|-------|--|
| 1232B | ❖ CUNEIFORM SIGN UR2   |
| 1232C | ❖ CUNEIFORM SIGN UR2 TIMES A PLUS HA                                       |
| 1232D | ❖ CUNEIFORM SIGN UR2 TIMES A PLUS NA                                       |
| 1232E | ❖ CUNEIFORM SIGN UR2 TIMES AL  |
| 1232F | ❖ CUNEIFORM SIGN UR2 TIMES HA  |
| 12330 | ❖ CUNEIFORM SIGN UR2 TIMES NUN   |
| 12331 | ❖ CUNEIFORM SIGN UR2 TIMES U2  |
| 12332 | ❖ CUNEIFORM SIGN UR2 TIMES U2 PLUS ASH                                     |
| 12333 | ❖ CUNEIFORM SIGN UR2 TIMES U2 PLUS BI                                      |
| 12334 | ❖ CUNEIFORM SIGN UR4   |
| 12335 | ❖ CUNEIFORM SIGN URI   |
| 12336 | ❖ CUNEIFORM SIGN UR13  |
| 12337 | ❖ CUNEIFORM SIGN URU   |
| 12338 | ❖ CUNEIFORM SIGN URU TIMES A   |
| 12339 | ❖ CUNEIFORM SIGN URU TIMES ASHGAB  |
| 1233A | ❖ CUNEIFORM SIGN URU TIMES BAR   |
| 1233B | ❖ CUNEIFORM SIGN URU TIMES DUN   |
| 1233C | ❖ CUNEIFORM SIGN URU TIMES GA  |
| 1233D | ❖ CUNEIFORM SIGN URU TIMES GAL   |
| 1233E | ❖ CUNEIFORM SIGN URU TIMES GAN2 TENU                                       |
| 1233F | ❖ CUNEIFORM SIGN URU TIMES GAR   |
| 12340 | ❖ CUNEIFORM SIGN URU TIMES GU  |
| 12341 | ❖ CUNEIFORM SIGN URU TIMES HA  |
| 12342 | ❖ CUNEIFORM SIGN URU TIMES IGI   |
| 12343 | ❖ CUNEIFORM SIGN URU TIMES IM  |
| 12344 | ❖ CUNEIFORM SIGN URU TIMES ISH   |
| 12345 | ❖ CUNEIFORM SIGN URU TIMES KI  |
| 12346 | ❖ CUNEIFORM SIGN URU TIMES LUM   |
| 12347 | ❖ CUNEIFORM SIGN URU TIMES MIN   |
| 12348 | ❖ CUNEIFORM SIGN URU TIMES PA  |
| 12349 | ❖ CUNEIFORM SIGN URU TIMES SHE   |
| 1234A | ❖ CUNEIFORM SIGN URU TIMES SIG4  |
| 1234B | ❖ CUNEIFORM SIGN URU TIMES TU  |
| 1234C | ❖ CUNEIFORM SIGN URU TIMES U PLUS GUD                                      |
| 1234D | ❖ CUNEIFORM SIGN URU TIMES UD  |
| 1234E | ❖ CUNEIFORM SIGN URU TIMES URUDA   |
| 1234F | ❖ CUNEIFORM SIGN URUDA   |
| 12350 | ❖ CUNEIFORM SIGN URUDA TIMES U   |
| 12351 | ❖ CUNEIFORM SIGN USH   |
| 12352 | ❖ CUNEIFORM SIGN USH TIMES A   |
| 12353 | ❖ CUNEIFORM SIGN USH TIMES KU  |
| 12354 | ❖ CUNEIFORM SIGN USH TIMES KUR   |
| 12355 | ❖ CUNEIFORM SIGN USH TIMES TAK4  |
| 12356 | ❖ CUNEIFORM SIGN USHX  |
| 12357 | ❖ CUNEIFORM SIGN USH2  |
| 12358 | ❖ CUNEIFORM SIGN USHUMX  |
| 12359 | ❖ CUNEIFORM SIGN UTUKI   |
| 1235A | ❖ CUNEIFORM SIGN UZ3   |
| 1235B | ❖ CUNEIFORM SIGN UZ3 TIMES KASKAL  |
| 1235C | ❖ CUNEIFORM SIGN UZU   |
| 1235D | ❖ CUNEIFORM SIGN ZA<br>→ 12409 ♦ cuneiform numeric sign four dish          |
| 1235E | ❖ CUNEIFORM SIGN ZA TENU<br>→ 1244C ✕ cuneiform numeric sign four ash tenu |
| 1235F | ❖ CUNEIFORM SIGN ZA SQUARED TIMES KUR                                      |
| 12360 | ❖ CUNEIFORM SIGN ZAG   |
| 12361 | ❖ CUNEIFORM SIGN ZAMX  |
| 12362 | ❖ CUNEIFORM SIGN ZE2   |
| 12363 | ❖ CUNEIFORM SIGN ZI  |
| 12364 | ❖ CUNEIFORM SIGN ZI OVER ZI  |
| 12365 | ❖ CUNEIFORM SIGN ZI3   |
| 12366 | ❖ CUNEIFORM SIGN ZIB   |
| 12367 | ❖ CUNEIFORM SIGN ZIB KABA TENU   |
| 12368 | ❖ CUNEIFORM SIGN ZIG   |
| 12369 | ❖ CUNEIFORM SIGN ZIZ2  |
| 1236A | ❖ CUNEIFORM SIGN ZU  |
| 1236B | ❖ CUNEIFORM SIGN ZU5   |
| 1236C | ❖ CUNEIFORM SIGN ZU5 TIMES A   |
| 1236D | ❖ CUNEIFORM SIGN ZUBUR   |
| 1236E | ❖ CUNEIFORM SIGN ZUM   |

**Elamite sign**

1236F 𒂔 CUNEIFORM SIGN KAP ELAMITE

**Signs**

- 12370 𒂔 CUNEIFORM SIGN AB TIMES NUN  
 12371 𒂔 CUNEIFORM SIGN AB2 TIMES A  
 12372 𒂔 CUNEIFORM SIGN AMAR TIMES KUG  
 12373 𒂔 CUNEIFORM SIGN DAG KISIM5 TIMES U2 PLUS MASH  
 12374 𒂔 CUNEIFORM SIGN DAG3  
 12375 𒂔 CUNEIFORM SIGN DISH PLUS SHU  
 12376 𒂔 CUNEIFORM SIGN DUB TIMES SHE  
 12377 𒂔 CUNEIFORM SIGN EZEN TIMES GUD  
 12378 𒂔 CUNEIFORM SIGN EZEN TIMES SHE  
 12379 𒂔 CUNEIFORM SIGN GA2 TIMES AN PLUS KAK PLUS A  
 1237A 𒂔 CUNEIFORM SIGN GA2 TIMES ASH2  
 1237B 𒂔 CUNEIFORM SIGN GE22  
 1237C 𒂔 CUNEIFORM SIGN GIG  
 1237D 𒂔 CUNEIFORM SIGN HUSH  
 1237E 𒂔 CUNEIFORM SIGN KA TIMES ANSHE  
 1237F 𒂔 CUNEIFORM SIGN KA TIMES ASH3  
 12380 𒂔 CUNEIFORM SIGN KA TIMES GISH  
 12381 𒂔 CUNEIFORM SIGN KA TIMES GUD  
 12382 𒂔 CUNEIFORM SIGN KA TIMES HI TIMES ASH2  
 12383 𒂔 CUNEIFORM SIGN KA TIMES LUM  
 12384 𒂔 CUNEIFORM SIGN KA TIMES PA  
 12385 𒂔 CUNEIFORM SIGN KA TIMES SHUL  
 12386 𒂔 CUNEIFORM SIGN KA TIMES TU  
 12387 𒂔 CUNEIFORM SIGN KA TIMES UR2  
 12388 𒂔 CUNEIFORM SIGN LAGAB TIMES GI  
 12389 𒂔 CUNEIFORM SIGN LU2 SHESHIG TIMES BAD  
 1238A 𒂔 CUNEIFORM SIGN LU2 TIMES ESH2 PLUS LAL  
 1238B 𒂔 CUNEIFORM SIGN LU2 TIMES SHU  
 1238C 𒂔 CUNEIFORM SIGN MESH  
 1238D 𒂔 CUNEIFORM SIGN MUSH3 TIMES ZA  
 1238E 𒂔 CUNEIFORM SIGN NA4  
 1238F 𒂔 CUNEIFORM SIGN NIN  
 12390 𒂔 CUNEIFORM SIGN NIN9  
 12391 𒂔 CUNEIFORM SIGN NINDA2 TIMES BAL  
 12392 𒂔 CUNEIFORM SIGN NINDA2 TIMES GI  
 12393 𒂔 CUNEIFORM SIGN NU11 ROTATED NINETY DEGREES  
 12394 𒂔 CUNEIFORM SIGN PESH2 ASTERISK  
 12395 𒂔 CUNEIFORM SIGN PIR2  
 12396 𒂔 CUNEIFORM SIGN SAG TIMES IGI GUNU  
 12397 𒂔 CUNEIFORM SIGN TI2  
 12398 𒂔 CUNEIFORM SIGN UM TIMES ME  
 12399 𒂔 CUNEIFORM SIGN U U  
     = 2 u  
     = 2 bur<sub>3</sub>  
     → 1240F 𒂔 cuneiform numeric sign four u  
     → 12563 𒂔 cuneiform numeric sign two n14  
     → 12657 𒂔 cuneiform numeric sign two n14 flat

|   | 1240             | 1241             | 1242             | 1243             | 1244             | 1245             | 1246             | 1247           |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------|
| 0 | ▶                | ◁                | ▷                | ◇                | ≡                | ≠                | ↗                | ↙              |
| 1 | ▶▶               | ◁◁               | ▷▷               | ◇◇               | ≡≡               | ≠≠               | ↗↗               | ↙↖             |
| 2 | ▶▶▶              | ◁◁◁              | ▷▷▷              | ◇◇◇              | ≡≡≡              | ≠≠≠              | ↗↗↗              | ↙↖↖            |
| 3 | ▶▶▶▶             | ◁◁◁◁             | ▷▷▷▷             | ◇◇◇◇             | ≡≡≡≡             | ≠≠≠≠             | ↗↗↗↗             | ↙↖↖↖           |
| 4 | ▶▶▶▶▶            | ◁◁◁◁◁            | ▷▷▷▷▷            | ◇◇◇◇◇            | ≡≡≡≡≡            | ≠≠≠≠≠            | ↗↗↗↗↗            | ↙↖↖↖↖          |
| 5 | ▶▶▶▶▶▶           | ◁◁◁◁◁◁           | ▷▷▷▷▷▷           | ◇◇◇◇◇◇           | ≡≡≡≡≡≡           | ≠≠≠≠≠≠           | ↗↗↗↗↗↗           | ↙↖↖↖↖↖↖        |
| 6 | ▶▶▶▶▶▶▶          | ◁◁◁◁◁◁◁          | ▷▷▷▷▷▷▷          | ◇◇◇◇◇◇▷          | ≡≡≡≡≡≡≡          | ≠≠≠≠≠≠≠          | ↗↗↗↗↗↗↗          | ↙↖↖↖↖↖↖↖       |
| 7 | ▶▶▶▶▶▶▶▶         | ◁◁◁◁◁◁◁◁         | ▷▷▷▷▷▷▷▷         | ◇◇◇◇◇◇▷▷         | ≡≡≡≡≡≡≡≡         | ≠≠≠≠≠≠≠≠         | ↗↗↗↗↗↗↗↗         | ↙↖↖↖↖↖↖↖↖      |
| 8 | ▶▶▶▶▶▶▶▶▶        | ◁◁◁◁◁◁◁◁◁        | ▷▷▷▷▷▷▷▷▷        | ◇◇◇◇◇◇▷▷▷        | ≡≡≡≡≡≡≡≡≡        | ≠≠≠≠≠≠≠≠≠        | ↗↗↗↗↗↗↗↗↗        | ↙↖↖↖↖↖↖↖↖↖     |
| 9 | ▶▶▶▶▶▶▶▶▶▶       | ◁◁◁◁◁◁◁◁◁◁       | ▷▷▷▷▷▷▷▷▷▷       | ◇◇◇◇◇◇▷▷▷▷       | ≡≡≡≡≡≡≡≡≡≡       | ≠≠≠≠≠≠≠≠≠≠       | ↗↗↗↗↗↗↗↗↗↗       | ↙↖↖↖↖↖↖↖↖↖↖    |
| A | ▶▶▶▶▶▶▶▶▶▶▶      | ◁◁◁◁◁◁◁◁◁◁◁      | ▷▷▷▷▷▷▷▷▷▷▷      | ◇◇◇◇◇◇▷▷▷▷▷      | ≡≡≡≡≡≡≡≡≡≡≡      | ≠≠≠≠≠≠≠≠≠≠≠      | ↗↗↗↗↗↗↗↗↗↗↗      | ↙↖↖↖↖↖↖↖↖↖↖↖   |
| B | ▶▶▶▶▶▶▶▶▶▶▶▶     | ◁◁◁◁◁◁◁◁◁◁◁◁     | ▷▷▷▷▷▷▷▷▷▷▷▷     | ◇◇◇◇◇◇▷▷▷▷▷▷     | ≡≡≡≡≡≡≡≡≡≡≡≡     | ≠≠≠≠≠≠≠≠≠≠≠≠     | ↗↗↗↗↗↗↗↗↗↗↗↗     | ↙↖↖↖↖↖↖↖↖↖↖↖↖  |
| C | ▶▶▶▶▶▶▶▶▶▶▶▶▶    | ◁◁◁◁◁◁◁◁◁◁◁◁◁    | ▷▷▷▷▷▷▷▷▷▷▷▷▷    | ◇◇◇◇◇◇▷▷▷▷▷▷▷    | ≡≡≡≡≡≡≡≡≡≡≡≡≡    | ≠≠≠≠≠≠≠≠≠≠≠≠≠    | ↗↗↗↗↗↗↗↗↗↗↗↗↗    | ↙↖↖↖↖↖↖↖↖↖↖↖↖↖ |
| D | ▶▶▶▶▶▶▶▶▶▶▶▶▶▶   | ◁◁◁◁◁◁◁◁◁◁◁◁◁◁   | ▷▷▷▷▷▷▷▷▷▷▷▷▷▷   | ◇◇◇◇◇◇▷▷▷▷▷▷▷▷   | ≡≡≡≡≡≡≡≡≡≡≡≡≡≡   | ≠≠≠≠≠≠≠≠≠≠≠≠≠≠   | ↗↗↗↗↗↗↗↗↗↗↗↗↗↗   | ↙↖↖↖↖↖↖↖↖↖↖↖↖↖ |
| E | ▶▶▶▶▶▶▶▶▶▶▶▶▶▶▶  | ◁◁◁◁◁◁◁◁◁◁◁◁◁◁◁  | ▷▷▷▷▷▷▷▷▷▷▷▷▷▷▷  | ◇◇◇◇◇◇▷▷▷▷▷▷▷▷▷  | ≡≡≡≡≡≡≡≡≡≡≡≡≡≡≡  | ≠≠≠≠≠≠≠≠≠≠≠≠≠≠≠  | ↗↗↗↗↗↗↗↗↗↗↗↗↗↗↗  | ↙↖↖↖↖↖↖↖↖↖↖↖↖↖ |
| F | ▶▶▶▶▶▶▶▶▶▶▶▶▶▶▶▶ | ◁◁◁◁◁◁◁◁◁◁◁◁◁◁◁◁ | ▷▷▷▷▷▷▷▷▷▷▷▷▷▷▷▷ | ◇◇◇◇◇◇▷▷▷▷▷▷▷▷▷▷ | ≡≡≡≡≡≡≡≡≡≡≡≡≡≡≡≡ | ≠≠≠≠≠≠≠≠≠≠≠≠≠≠≠≠ | ↗↗↗↗↗↗↗↗↗↗↗↗↗↗↗↗ | ↙↖↖↖↖↖↖↖↖↖↖↖↖↖ |

## Common numeric signs

Used in multiple metrological systems

|       |   |
|-------|---|
| 12400 | » CUNEIFORM NUMERIC SIGN TWO ASH<br>= 2 iku<br>→ 12038 ← cuneiform sign ash<br>→ 12551 » cuneiform numeric sign two n01<br>→ 1264D □ cuneiform numeric sign two n01 flat  |
| 12401 | »» CUNEIFORM NUMERIC SIGN THREE ASH   |
| 12402 | »» CUNEIFORM NUMERIC SIGN FOUR ASH  |
| 12403 | »» CUNEIFORM NUMERIC SIGN FIVE ASH  |
| 12404 | »» CUNEIFORM NUMERIC SIGN SIX ASH   |
| 12405 | »» CUNEIFORM NUMERIC SIGN SEVEN ASH   |
| 12406 | »» CUNEIFORM NUMERIC SIGN EIGHT ASH   |
| 12407 | »» CUNEIFORM NUMERIC SIGN NINE ASH  |
| 12408 | »»» CUNEIFORM NUMERIC SIGN THREE DISH<br>→ 12079 । cuneiform sign dish<br>→ 1222B ॥ cuneiform sign min<br>→ 12559 ◻ cuneiform numeric sign three n08  |
| 12409 | »» CUNEIFORM NUMERIC SIGN FOUR DISH<br>= 4 bariga   |
| 1240A | »» CUNEIFORM NUMERIC SIGN FIVE DISH   |
| 1240B | »» CUNEIFORM NUMERIC SIGN SIX DISH  |
| 1240C | »» CUNEIFORM NUMERIC SIGN SEVEN DISH  |
| 1240D | »» CUNEIFORM NUMERIC SIGN EIGHT DISH  |
| 1240E | »» CUNEIFORM NUMERIC SIGN NINE DISH   |
| 1240F | »»» CUNEIFORM NUMERIC SIGN FOUR U<br>= 4 bur <sub>3</sub><br>→ 1230B < cuneiform sign u<br>→ 12399 « cuneiform sign u u<br>→ 1230D «« cuneiform sign u u u<br>→ 12565 :: cuneiform numeric sign four n14<br>→ 12659 II cuneiform numeric sign four n14 flat |
| 12410 | »» CUNEIFORM NUMERIC SIGN FIVE U  |
| 12411 | »» CUNEIFORM NUMERIC SIGN SIX U   |
| 12412 | »» CUNEIFORM NUMERIC SIGN SEVEN U   |
| 12413 | »» CUNEIFORM NUMERIC SIGN EIGHT U   |
| 12414 | »» CUNEIFORM NUMERIC SIGN NINE U  |
| 12415 | » Y CUNEIFORM NUMERIC SIGN ONE GESH2<br>→ 1256B ▷ cuneiform numeric sign one n34  |
| 12416 | » Y CUNEIFORM NUMERIC SIGN TWO GESH2  |
| 12417 | » Y Y CUNEIFORM NUMERIC SIGN THREE GESH2  |
| 12418 | » Y Y CUNEIFORM NUMERIC SIGN FOUR GESH2   |
| 12419 | » Y Y Y CUNEIFORM NUMERIC SIGN FIVE GESH2   |
| 1241A | » Y Y Y CUNEIFORM NUMERIC SIGN SIX GESH2  |
| 1241B | » Y Y Y Y CUNEIFORM NUMERIC SIGN SEVEN GESH2  |
| 1241C | » Y Y Y Y CUNEIFORM NUMERIC SIGN EIGHT GESH2  |
| 1241D | » Y Y Y Y CUNEIFORM NUMERIC SIGN NINE GESH2   |
| 1241E | » Y CUNEIFORM NUMERIC SIGN ONE GESU<br>→ 12574 » cuneiform numeric sign one n48   |
| 1241F | » Y Y CUNEIFORM NUMERIC SIGN TWO GESU   |
| 12420 | » Y Y Y CUNEIFORM NUMERIC SIGN THREE GESU   |
| 12421 | » Y Y Y CUNEIFORM NUMERIC SIGN FOUR GESU  |
| 12422 | » Y Y Y CUNEIFORM NUMERIC SIGN FIVE GESU  |
| 12423 | »» CUNEIFORM NUMERIC SIGN TWO SHAR2<br>→ 122B9 ● cuneiform sign shar2<br>→ 12579 ● cuneiform numeric sign two n45   |
| 12424 | »» CUNEIFORM NUMERIC SIGN THREE SHAR2   |
| 12425 | »» CUNEIFORM NUMERIC SIGN THREE SHAR2 VARIANT FORM  |

12426 ☰ CUNEIFORM NUMERIC SIGN FOUR SHAR2

12427 ☰ CUNEIFORM NUMERIC SIGN FIVE SHAR2

12428 ☰ CUNEIFORM NUMERIC SIGN SIX SHAR2

12429 ☰ CUNEIFORM NUMERIC SIGN SEVEN SHAR2

1242A ☰ CUNEIFORM NUMERIC SIGN EIGHT SHAR2

1242B ☰ CUNEIFORM NUMERIC SIGN NINE SHAR2

1242C ◇ CUNEIFORM NUMERIC SIGN ONE SHARU

→ 12582 ◉ cuneiform numeric sign one n50

1242D ◇◇ CUNEIFORM NUMERIC SIGN TWO SHARU

1242E ◇◇ CUNEIFORM NUMERIC SIGN THREE SHARU

1242F ◇◇ CUNEIFORM NUMERIC SIGN THREE SHARU VARIANT FORM

12430 ☰ CUNEIFORM NUMERIC SIGN FOUR SHARU

12431 ☰ CUNEIFORM NUMERIC SIGN FIVE SHARU

12432 ◇ CUNEIFORM NUMERIC SIGN SHAR2 TIMES GAL PLUS DISH

12433 ◇ CUNEIFORM NUMERIC SIGN SHAR2 TIMES GAL PLUS MIN

## Area measures

12434 ☸ CUNEIFORM NUMERIC SIGN ONE BURU

→ 1258E ★ cuneiform numeric sign one buru curved

→ 12582 ◉ cuneiform numeric sign one n50

12435 ☹ CUNEIFORM NUMERIC SIGN TWO BURU

12436 ☹ CUNEIFORM NUMERIC SIGN THREE BURU

12437 ☹ CUNEIFORM NUMERIC SIGN THREE BURU VARIANT FORM

12438 ☹ CUNEIFORM NUMERIC SIGN FOUR BURU

12439 ☹ CUNEIFORM NUMERIC SIGN FIVE BURU

## Variant stacking patterns

1243A ☐ CUNEIFORM NUMERIC SIGN THREE VARIANT FORM ESH16

1243B ☑ CUNEIFORM NUMERIC SIGN THREE VARIANT FORM ESH21

1243C ☐ Y CUNEIFORM NUMERIC SIGN FOUR VARIANT FORM LIMMU

1243D ☐ Y CUNEIFORM NUMERIC SIGN FOUR VARIANT FORM LIMMU4

1243E ☐ Y CUNEIFORM NUMERIC SIGN FOUR VARIANT FORM LIMMU A

1243F ☐ Y Y CUNEIFORM NUMERIC SIGN FOUR VARIANT FORM LIMMU B

12440 ☐ Y CUNEIFORM NUMERIC SIGN SIX VARIANT FORM ASH9

12441 ☐ Y CUNEIFORM NUMERIC SIGN SEVEN VARIANT FORM IMIN3

12442 ☐ Y CUNEIFORM NUMERIC SIGN SEVEN VARIANT FORM IMIN A

12443 ☐ Y Y CUNEIFORM NUMERIC SIGN SEVEN VARIANT FORM IMIN B

12444 ☐ Y CUNEIFORM NUMERIC SIGN EIGHT VARIANT FORM USSU

12445 ☐ Y CUNEIFORM NUMERIC SIGN EIGHT VARIANT FORM USSU3

12446 ☐ Y CUNEIFORM NUMERIC SIGN NINE VARIANT FORM ILIMMU

12447 ☐ Y CUNEIFORM NUMERIC SIGN NINE VARIANT FORM ILIMMU3

12448 ☐ Y CUNEIFORM NUMERIC SIGN NINE VARIANT FORM ILIMMU4

12449 ☐ Y CUNEIFORM NUMERIC SIGN NINE VARIANT FORM ILIMMU A

## Slanted numerals

Used in multiple Early Dynastic metrological systems as well as Ur III dates and subtractive notations

1244A ☈ CUNEIFORM NUMERIC SIGN TWO ASH TENU

= 2 diš tenū

→ 12039 ↘ cuneiform sign ash zida tenu

- 1244B ☈ CUNEIFORM NUMERIC SIGN THREE ASH TENU  
 1244C ☈ CUNEIFORM NUMERIC SIGN FOUR ASH TENU  
 1244D ☈ CUNEIFORM NUMERIC SIGN FIVE ASH TENU  
 1244E ☈ CUNEIFORM NUMERIC SIGN SIX ASH TENU

## Capacity measures

|       |  |  |
|-------|--|--|
| 1244F | ✚ CUNEIFORM NUMERIC SIGN ONE BAN2                |  |
|       | • 12226 ✚ should be used for 1/2 diš             |  |
|       | → 12226 ✚ cuneiform sign mash                    |  |
|       | → 12593 ✚ cuneiform numeric sign one ban2 curved |  |
| 12450 | ✚ CUNEIFORM NUMERIC SIGN TWO BAN2                |  |
| 12451 | ✚ CUNEIFORM NUMERIC SIGN THREE BAN2              |  |
| 12452 | ✚ CUNEIFORM NUMERIC SIGN FOUR BAN2               |  |
| 12453 | ✚ CUNEIFORM NUMERIC SIGN FOUR BAN2 VARIANT FORM  |  |
| 12454 | ✚ CUNEIFORM NUMERIC SIGN FIVE BAN2               |  |
| 12455 | ✚ CUNEIFORM NUMERIC SIGN FIVE BAN2 VARIANT FORM  |  |
| 12456 | ✚ CUNEIFORM NUMERIC SIGN NIGIDAMIN               |  |
|       | = 2 bariga                                       |  |
|       | → 12079 ✚ cuneiform sign dish                    |  |
|       | → 1255A ✚ cuneiform numeric sign two n08         |  |
| 12457 | ✚ CUNEIFORM NUMERIC SIGN NIGIDAESH               |  |
|       | = 3 bariga                                       |  |

## Area measures

|       |  |  |
|-------|--|--|
| 12458 | ✚ CUNEIFORM NUMERIC SIGN ONE ESHE3       |  |
|       | → 1258C ➤ cuneiform numeric sign one n22 |  |

- 12459 ☈ CUNEIFORM NUMERIC SIGN TWO ESHE3

## Fractions

|       |  |  |
|-------|--|--|
| 1245A | ✚ CUNEIFORM NUMERIC SIGN ONE THIRD DISH            |  |
| 1245B | ✚ CUNEIFORM NUMERIC SIGN TWO THIRDS DISH           |  |
| 1245C | ✚ CUNEIFORM NUMERIC SIGN FIVE SIXTHS DISH          |  |
| 1245D | ✚ CUNEIFORM NUMERIC SIGN ONE THIRD VARIANT FORM A  |  |
|       | = 1/3 aš curved                                    |  |
|       | = 1/3 diš curved                                   |  |
|       | → 12598 ➡ cuneiform numeric sign ninda2 times      |  |
|       | she plus one ash curved                            |  |
| 1245E | ✚ CUNEIFORM NUMERIC SIGN TWO THIRDS VARIANT FORM A |  |
|       | = 2/3 aš curved                                    |  |
|       | = 2/3 diš curved                                   |  |
|       | → 12599 ➡ cuneiform numeric sign ninda2 times      |  |
|       | she plus two ash curved                            |  |
| 1245F | ✚ CUNEIFORM NUMERIC SIGN ONE EIGHTH ASH            |  |
|       | = 1/8 iku  |  |
|       | → 12587 • cuneiform numeric sign one eighth iku    |  |
|       | curved   |  |
|       | → 12588 ⚡ cuneiform numeric sign one eighth iku    |  |
|       | curved variant form                                |  |
| 12460 | ✚ CUNEIFORM NUMERIC SIGN ONE QUARTER ASH           |  |
|       | = 1/4 iku  |  |
|       | → 12589 ↛ cuneiform numeric sign one n01 reversed  |  |
|       | → 1258A ➞ cuneiform numeric sign one quarter iku   |  |
|       | variant form                                       |  |
| 12461 | ☞ CUNEIFORM NUMERIC SIGN OLD ASSYRIAN ONE SIXTH    |  |

- 12462 ☈ CUNEIFORM NUMERIC SIGN OLD ASSYRIAN ONE QUARTER

## Capacity measures

Used in Umma in the Ur III period with a gur of 4 bariga

|       |  |  |
|-------|--|--|
| 12463 | ✚ CUNEIFORM NUMERIC SIGN ONE QUARTER GUR |  |
|       | = 1 bariga variant form                  |  |

|       |                                       |  |
|-------|---------------------------------------|--|
| 12464 | ✚ CUNEIFORM NUMERIC SIGN ONE HALF GUR |  |
|       | = 2 bariga variant form               |  |

• The sequence 12464 ✚ 12463 ✚ is used for 3/4 gur

## Elamite fractions

|       |   |  |
|-------|---|--|
| 12465 | ✚ CUNEIFORM NUMERIC SIGN ELAMITE ONE THIRD  |  |
| 12466 | ✚ CUNEIFORM NUMERIC SIGN ELAMITE TWO THIRDS |  |

## Elamite numeric signs

|       |  |  |
|-------|--|--|
| 12467 | ☛ CUNEIFORM NUMERIC SIGN ELAMITE FORTY |  |
| 12468 | ☛ CUNEIFORM NUMERIC SIGN ELAMITE FIFTY |  |

## Variant stacking patterns

|       |   |  |
|-------|---|--|
| 12469 | ☚ CUNEIFORM NUMERIC SIGN FOUR U VARIANT FORM  |  |
| 1246A | ☚ CUNEIFORM NUMERIC SIGN FIVE U VARIANT FORM  |  |
| 1246B | ☚ CUNEIFORM NUMERIC SIGN SIX U VARIANT FORM   |  |
| 1246C | ☚ CUNEIFORM NUMERIC SIGN SEVEN U VARIANT FORM |  |
| 1246D | ☚ CUNEIFORM NUMERIC SIGN EIGHT U VARIANT FORM |  |
| 1246E | ☚ CUNEIFORM NUMERIC SIGN NINE U VARIANT FORM  |  |

## Punctuation

|       |  |  |
|-------|--|--|
| 12470 | ✚ CUNEIFORM PUNCTUATION SIGN OLD ASSYRIAN WORD DIVIDER |  |
|       | → 1039F ugaritic word divider                          |  |
|       | → 103D0 old persian word divider                       |  |
| 12471 | ✚ CUNEIFORM PUNCTUATION SIGN VERTICAL COLON            |  |
| 12472 | ✚ CUNEIFORM PUNCTUATION SIGN DIAGONAL COLON            |  |
| 12473 | ✚ CUNEIFORM PUNCTUATION SIGN DIAGONAL TRICOLON         |  |
| 12474 | ✚ CUNEIFORM PUNCTUATION SIGN DIAGONAL QUADCOLON        |  |

| 1248       | 1249  | 124A  | 124B  | 124C  | 124D  | 124E  | 124F  | 1250  | 1251  | 1252  | 1253  | 1254  |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0<br>12480 | 12490 | 124A0 | 124B0 | 124C0 | 124D0 | 124E0 | 124F0 | 12500 | 12510 | 12520 | 12530 | 12540 |
| 1<br>12481 | 12491 | 124A1 | 124B1 | 124C1 | 124D1 | 124E1 | 124F1 | 12501 | 12511 | 12521 | 12531 | 12541 |
| 2<br>12482 | 12492 | 124A2 | 124B2 | 124C2 | 124D2 | 124E2 | 124F2 | 12502 | 12512 | 12522 | 12532 | 12542 |
| 3<br>12483 | 12493 | 124A3 | 124B3 | 124C3 | 124D3 | 124E3 | 124F3 | 12503 | 12513 | 12523 | 12533 | 12543 |
| 4<br>12484 | 12494 | 124A4 | 124B4 | 124C4 | 124D4 | 124E4 | 124F4 | 12504 | 12514 | 12524 | 12534 |       |
| 5<br>12485 | 12495 | 124A5 | 124B5 | 124C5 | 124D5 | 124E5 | 124F5 | 12505 | 12515 | 12525 | 12535 |       |
| 6<br>12486 | 12496 | 124A6 | 124B6 | 124C6 | 124D6 | 124E6 | 124F6 | 12506 | 12516 | 12526 | 12536 |       |
| 7<br>12487 | 12497 | 124A7 | 124B7 | 124C7 | 124D7 | 124E7 | 124F7 | 12507 | 12517 | 12527 | 12537 |       |
| 8<br>12488 | 12498 | 124A8 | 124B8 | 124C8 | 124D8 | 124E8 | 124F8 | 12508 | 12518 | 12528 | 12538 |       |
| 9<br>12489 | 12499 | 124A9 | 124B9 | 124C9 | 124D9 | 124E9 | 124F9 | 12509 | 12519 | 12529 | 12539 |       |
| A<br>1248A | 1249A | 124AA | 124BA | 124CA | 124DA | 124EA | 124FA | 1250A | 1251A | 1252A | 1253A |       |
| B<br>1248B | 1249B | 124AB | 124BB | 124CB | 124DB | 124EB | 124FB | 1250B | 1251B | 1252B | 1253B |       |
| C<br>1248C | 1249C | 124AC | 124BC | 124CC | 124DC | 124EC | 124FC | 1250C | 1251C | 1252C | 1253C |       |
| D<br>1248D | 1249D | 124AD | 124BD | 124CD | 124DD | 124ED | 124FD | 1250D | 1251D | 1252D | 1253D |       |
| E<br>1248E | 1249E | 124AE | 124BE | 124CE | 124DE | 124EE | 124FE | 1250E | 1251E | 1252E | 1253E |       |
| F<br>1248F | 1249F | 124AF | 124BF | 124CF | 124DF | 124EF | 124FF | 1250F | 1251F | 1252F | 1253F |       |

**Signs**

12480 CUNEIFORM SIGN AB TIMES NUN TENU  
 12481 CUNEIFORM SIGN AB TIMES SHU2  
 12482 CUNEIFORM SIGN AD TIMES ESH2  
 12483 CUNEIFORM SIGN BAD TIMES DISH TENU  
 12484 CUNEIFORM SIGN BAHAR2 TIMES AB2  
 12485 CUNEIFORM SIGN BAHAR2 TIMES NI  
 12486 CUNEIFORM SIGN BAHAR2 TIMES ZA  
 12487 CUNEIFORM SIGN BU OVER BU TIMES NA2  
 12488 CUNEIFORM SIGN DA TIMES TAK4  
 12489 CUNEIFORM SIGN DAG TIMES KUR  
 1248A CUNEIFORM SIGN DIM TIMES IGI  
 1248B CUNEIFORM SIGN DIM TIMES U U U  
 1248C CUNEIFORM SIGN DIM2 TIMES UD  
 1248D CUNEIFORM SIGN DUG TIMES ANSHE  
 1248E CUNEIFORM SIGN DUG TIMES ASH  
 1248F CUNEIFORM SIGN DUG TIMES ASH AT LEFT  
 12490 CUNEIFORM SIGN DUG TIMES DIN  
 12491 CUNEIFORM SIGN DUG TIMES DUN  
 12492 CUNEIFORM SIGN DUG TIMES ERIN2  
 12493 CUNEIFORM SIGN DUG TIMES GA  
 12494 CUNEIFORM SIGN DUG TIMES GI  
 12495 CUNEIFORM SIGN DUG TIMES GIR2 GUNU  
 12496 CUNEIFORM SIGN DUG TIMES GISH  
 12497 CUNEIFORM SIGN DUG TIMES HA  
 12498 CUNEIFORM SIGN DUG TIMES HI  
 12499 CUNEIFORM SIGN DUG TIMES IGI GUNU  
 1249A CUNEIFORM SIGN DUG TIMES KASKAL  
 1249B CUNEIFORM SIGN DUG TIMES KUR  
 1249C CUNEIFORM SIGN DUG TIMES KUSHU2  
 1249D CUNEIFORM SIGN DUG TIMES KUSHU2 PLUS KASKAL  
 1249E CUNEIFORM SIGN DUG TIMES LAK-020  
 1249F CUNEIFORM SIGN DUG TIMES LAM  
 124A0 CUNEIFORM SIGN DUG TIMES LAM TIMES KUR  
 124A1 CUNEIFORM SIGN DUG TIMES LUH PLUS GISH  
 124A2 CUNEIFORM SIGN DUG TIMES MASH  
 124A3 CUNEIFORM SIGN DUG TIMES MES  
 124A4 CUNEIFORM SIGN DUG TIMES MI  
 124A5 CUNEIFORM SIGN DUG TIMES NI  
 124A6 CUNEIFORM SIGN DUG TIMES PI  
 124A7 CUNEIFORM SIGN DUG TIMES SHE  
 124A8 CUNEIFORM SIGN DUG TIMES SI GUNU  
 124A9 CUNEIFORM SIGN E2 TIMES KUR  
 124AA CUNEIFORM SIGN E2 TIMES PAP  
 124AB CUNEIFORM SIGN ERIN2 X  
 124AC CUNEIFORM SIGN ESH2 CROSSING ESH2  
 124AD CUNEIFORM SIGN EZEN SHESHIG TIMES ASH  
 124AE CUNEIFORM SIGN EZEN SHESHIG TIMES HI  
 124AF CUNEIFORM SIGN EZEN SHESHIG TIMES IGI GUNU  
 124B0 CUNEIFORM SIGN EZEN SHESHIG TIMES LA  
 124B1 CUNEIFORM SIGN EZEN SHESHIG TIMES LAL  
 124B2 CUNEIFORM SIGN EZEN SHESHIG TIMES ME  
 124B3 CUNEIFORM SIGN EZEN SHESHIG TIMES MES  
 124B4 CUNEIFORM SIGN EZEN SHESHIG TIMES SU  
 124B5 CUNEIFORM SIGN EZEN TIMES SU  
 124B6 CUNEIFORM SIGN GA2 TIMES BAHAR2  
 124B7 CUNEIFORM SIGN GA2 TIMES DIM GUNU  
 124B8 CUNEIFORM SIGN GA2 TIMES DUG TIMES IGI GUNU  
 124B9 CUNEIFORM SIGN GA2 TIMES DUG TIMES KASKAL  
 124BA CUNEIFORM SIGN GA2 TIMES EREN  
 124BB CUNEIFORM SIGN GA2 TIMES GA  
 124BC CUNEIFORM SIGN GA2 TIMES GAR PLUS DI  
 124BD CUNEIFORM SIGN GA2 TIMES GAR PLUS NE  
 124BE CUNEIFORM SIGN GA2 TIMES HA PLUS A  
 124BF CUNEIFORM SIGN GA2 TIMES KUSHU2 PLUS KASKAL  
 124C0 CUNEIFORM SIGN GA2 TIMES LAM  
 124C1 CUNEIFORM SIGN GA2 TIMES LAM TIMES KUR  
 124C2 CUNEIFORM SIGN GA2 TIMES LUH  
 124C3 CUNEIFORM SIGN GA2 TIMES MUSH

124C4 CUNEIFORM SIGN GA2 TIMES NE  
 124C5 CUNEIFORM SIGN GA2 TIMES NE PLUS E2  
 124C6 CUNEIFORM SIGN GA2 TIMES NE PLUS GI  
 124C7 CUNEIFORM SIGN GA2 TIMES SHIM  
 124C8 CUNEIFORM SIGN GA2 TIMES ZIZZ  
 124C9 CUNEIFORM SIGN GABA ROTATED NINETY DEGREES  
 124CA CUNEIFORM SIGN GESHTIN TIMES U  
 124CB CUNEIFORM SIGN GISH TIMES GISH CROSSING GISH  
 124CC CUNEIFORM SIGN GU2 TIMES IGI GUNU  
 124CD CUNEIFORM SIGN GUD PLUS GISH TIMES TAK4  
 124CE CUNEIFORM SIGN HA TENU GUNU  
 124CF CUNEIFORM SIGN HI TIMES ASH OVER HI TIMES ASH  
 124D0 CUNEIFORM SIGN KA TIMES BU  
 124D1 CUNEIFORM SIGN KA TIMES KA  
 124D2 CUNEIFORM SIGN KA TIMES U U U  
 124D3 CUNEIFORM SIGN KA TIMES UR  
 124D4 CUNEIFORM SIGN LAGAB TIMES ZU OVER ZU  
 124D5 CUNEIFORM SIGN LAK-003  
 124D6 CUNEIFORM SIGN LAK-021  
 124D7 CUNEIFORM SIGN LAK-025  
 124D8 CUNEIFORM SIGN LAK-030  
 124D9 CUNEIFORM SIGN LAK-050  
 124DA CUNEIFORM SIGN LAK-051  
 124DB CUNEIFORM SIGN LAK-062  
 124DC CUNEIFORM SIGN LAK-079 OVER LAK-079 GUNU  
 124DD CUNEIFORM SIGN LAK-080  
 124DE CUNEIFORM SIGN LAK-081 OVER LAK-081  
 124DF CUNEIFORM SIGN LAK-092  
 124E0 CUNEIFORM SIGN LAK-130  
 124E1 CUNEIFORM SIGN LAK-142  
 124E2 CUNEIFORM SIGN LAK-210  
 124E3 CUNEIFORM SIGN LAK-219  
 124E4 CUNEIFORM SIGN LAK-220  
 124E5 CUNEIFORM SIGN LAK-225  
 124E6 CUNEIFORM SIGN LAK-228  
 124E7 CUNEIFORM SIGN LAK-238  
 124E8 CUNEIFORM SIGN LAK-265  
 124E9 CUNEIFORM SIGN LAK-266  
 124EA CUNEIFORM SIGN LAK-343  
 124EB CUNEIFORM SIGN LAK-347  
 124EC CUNEIFORM SIGN LAK-348  
 124ED CUNEIFORM SIGN LAK-383  
 124EE CUNEIFORM SIGN LAK-384  
 124EF CUNEIFORM SIGN LAK-390  
 124F0 CUNEIFORM SIGN LAK-441  
 124F1 CUNEIFORM SIGN LAK-449  
 124F2 CUNEIFORM SIGN LAK-449 TIMES GU  
 124F3 CUNEIFORM SIGN LAK-449 TIMES IGI  
 124F4 CUNEIFORM SIGN LAK-449 TIMES PAP PLUS LU3  
 124F5 CUNEIFORM SIGN LAK-449 TIMES PAP PLUS PAP PLUS LU3  
 124F6 CUNEIFORM SIGN LAK-449 TIMES U2 PLUS BA  
 124F7 CUNEIFORM SIGN LAK-450  
 124F8 CUNEIFORM SIGN LAK-457  
 124F9 CUNEIFORM SIGN LAK-470  
 124FA CUNEIFORM SIGN LAK-483  
 124FB CUNEIFORM SIGN LAK-490  
 124FC CUNEIFORM SIGN LAK-492  
 124FD CUNEIFORM SIGN LAK-493  
 124FE CUNEIFORM SIGN LAK-495  
 124FF CUNEIFORM SIGN LAK-550  
 12500 CUNEIFORM SIGN LAK-608  
 12501 CUNEIFORM SIGN LAK-617  
 12502 CUNEIFORM SIGN LAK-617 TIMES ASH  
 12503 CUNEIFORM SIGN LAK-617 TIMES BAD  
 12504 CUNEIFORM SIGN LAK-617 TIMES DUN3 GUNU GUNU  
 12505 CUNEIFORM SIGN LAK-617 TIMES KU3  
 12506 CUNEIFORM SIGN LAK-617 TIMES LA  
 12507 CUNEIFORM SIGN LAK-617 TIMES TAR  
 12508 CUNEIFORM SIGN LAK-617 TIMES TE

- 12509 CUNEIFORM SIGN LAK-617 TIMES U2  
 1250A CUNEIFORM SIGN LAK-617 TIMES UD  
 1250B CUNEIFORM SIGN LAK-617 TIMES URUDA  
 1250C CUNEIFORM SIGN LAK-636  
 1250D CUNEIFORM SIGN LAK-648  
 1250E CUNEIFORM SIGN LAK-648 TIMES DUB  
 1250F CUNEIFORM SIGN LAK-648 TIMES GA  
 12510 CUNEIFORM SIGN LAK-648 TIMES IGI  
 12511 CUNEIFORM SIGN LAK-648 TIMES IGI GUNU  
 12512 CUNEIFORM SIGN LAK-648 TIMES NI  
 12513 CUNEIFORM SIGN LAK-648 TIMES PAP PLUS PAP PLUS LU3  
 12514 CUNEIFORM SIGN LAK-648 TIMES SHESH PLUS KI  
 12515 CUNEIFORM SIGN LAK-648 TIMES UD  
 12516 CUNEIFORM SIGN LAK-648 TIMES URUDA  
 12517 CUNEIFORM SIGN LAK-724  
 12518 CUNEIFORM SIGN LAK-749  
 12519 CUNEIFORM SIGN LU2 GUNU TIMES ASH  
 1251A CUNEIFORM SIGN LU2 TIMES DISH  
 1251B CUNEIFORM SIGN LU2 TIMES HAL  
 1251C CUNEIFORM SIGN LU2 TIMES PAP  
 1251D CUNEIFORM SIGN LU2 TIMES PAP PLUS PAP PLUS LU3  
 1251E CUNEIFORM SIGN LU2 TIMES TAK4  
 1251F CUNEIFORM SIGN MI PLUS ZA7  
 12520 CUNEIFORM SIGN MUSH OVER MUSH TIMES GA  
 12521 CUNEIFORM SIGN MUSH OVER MUSH TIMES KAK  
 12522 CUNEIFORM SIGN NINDA2 TIMES DIM GUNU  
 12523 CUNEIFORM SIGN NINDA2 TIMES GISH  
 12524 CUNEIFORM SIGN NINDA2 TIMES GUL  
 12525 CUNEIFORM SIGN NINDA2 TIMES HI  
 12526 CUNEIFORM SIGN NINDA2 TIMES KESH2  
 12527 CUNEIFORM SIGN NINDA2 TIMES LAK-050  
 12528 CUNEIFORM SIGN NINDA2 TIMES MASH  
 12529 CUNEIFORM SIGN NINDA2 TIMES PAP PLUS PAP  
 1252A CUNEIFORM SIGN NINDA2 TIMES U  
 1252B CUNEIFORM SIGN NINDA2 TIMES U PLUS U  
 1252C CUNEIFORM SIGN NINDA2 TIMES URUDA  
 1252D CUNEIFORM SIGN SAG GUNU TIMES HA  
 1252E CUNEIFORM SIGN SAG TIMES EN  
 1252F CUNEIFORM SIGN SAG TIMES SHE AT LEFT  
 12530 CUNEIFORM SIGN SAG TIMES TAK4  
 12531 CUNEIFORM SIGN SHA6 TENU  
 12532 CUNEIFORM SIGN SHE OVER SHE  
 12533 CUNEIFORM SIGN SHE PLUS HUB2  
 12534 CUNEIFORM SIGN SHE PLUS NAM2  
 12535 CUNEIFORM SIGN SHE PLUS SAR  
 12536 CUNEIFORM SIGN SHU2 PLUS DUG TIMES NI  
 12537 CUNEIFORM SIGN SHU2 PLUS E2 TIMES AN  
 12538 CUNEIFORM SIGN SI TIMES TAK4  
 12539 CUNEIFORM SIGN TAK4 PLUS SAG  
 1253A CUNEIFORM SIGN TUM TIMES GAN2 TENU  
 1253B CUNEIFORM SIGN TUM TIMES THREE DISH  
 1253C CUNEIFORM SIGN UR2 INVERTED  
 1253D CUNEIFORM SIGN UR2 TIMES UD  
 1253E CUNEIFORM SIGN URU TIMES DARA3  
 1253F CUNEIFORM SIGN URU TIMES LAK-668  
 12540 CUNEIFORM SIGN URU TIMES LU3  
 12541 CUNEIFORM SIGN ZA7

→ 1255A cuneiform numeric sign two n08

- 12542 CUNEIFORM SIGN ZU OVER ZU PLUS SAR  
 12543 CUNEIFORM SIGN ZU5 TIMES THREE DISH TENU