

To: Unicode Technical Committee
From: Neil Patel and Mark Jamra (JamraPatel), Ibrahima Barry, Abdoulaye Barry
Subject: Replacement of Adlam Reference Font in Codesheet to Updated Design
Date: 8 August 2024

Changes from version presented in Jan 2024:

- Changed font recommendation to a new version of Ebrima (v5.20, 2024)
- Included changes to CAPITAL LETTER I and SMALL LETTER I
- Added examples of revised letterforms in use
- Added appendix showing evolution of letterforms in all released fonts

1. Introduction

This document describes the changes that have been made to Adlam letterforms by Abdoulaye and Ibrahima Barry since the reference font in the Adlam code chart was last revised in 2019 ([L2/19-119R](#)). For reference, the relevant proposals for the Adlam script can be found here. ([L2/13-19I](#), [L2/14-219](#)). While the changes are not as significant as those made in 2019, updating the reference chart will ensure that it represents the latest adjustments made for ease of writing and character recognition.

The motivation to update the code chart in 2019 was in response to “new insights from the language community that exposed instances of ambiguity amongst letterforms and highlighted potential legibility concerns.” This was 2 years after the Adlam encoding was published in Unicode 9.0.

In the years since Adlam has continued to spread due to its availability on all computing platforms and efforts to promote its use. Today, Fulani throughout west Africa and the Sahel are now learning the writing system with trained teachers. The impact of this growth is a steady unification of the Fulah language and its various dialects. Fulah words from certain regions are being introduced into others where previously only loan words were available. This coupled with a large-scale effort to provide translations for CLDR has increased the demand for the writing system to minimize legibility concerns, reduce ambiguity amongst letterforms and simplify forms for ease of writing. In 2024 the reason to update the reference font remains the same as 2019, however the scale of feedback that has prompted these new revisions is larger.

To address the concerns, we have been working with the community to test out alternate forms with each new font or font update. These intermediate solutions offered the community the chance to try the adjustments in real time and assess their effectiveness. The feedback from teachers was collected by Ibrahima and Abdoulaye via regular meetings. After many iterations, consensus has been reached and the forms present in Ebrima (v.5.20) are expected to remain stable.

2. Recommendation

We recommend replacing the reference font in the Adlam code chart with Ebrima v5.20 to establish the correct reference for future font development. Currently, there are only 4 fonts that are widely in use for Adlam. These are Noto, Ebrima, Kigelia and ADLaM Display. Both Kigelia and Ebrima have been updated with the revised forms. ADLaM Display contains most of the current forms and Noto needs more extensive updating.

While the number of fonts and their distribution have increased since 2019, amending these fonts remains a manageable task. Since both Noto and ADLaM Display are open-source fonts, they can more easily be updated. Updating the code chart at this time will ensure that it aligns better with the fonts currently in use, reinforces the forms that are now being taught in Adlam schools and provides a proper reference for future designs.

3. Technical Overview

The letterforms that have been modified were done to alleviate the following concerns.

- Complexity when writing
 - *Example:* 𐌆 CAPITAL LETTER MIIM
- Ambiguity in the case of a letter
 - *example:* 𐌅 CAPITAL LETTER HA, 𐌆 CAPITAL LETTER ALIF
- Ambiguity between letters which have mirrored counterparts
 - *example:* 𐌆 CAPITAL LETTER SHA, 𐌇 CAPITAL LETTER ZAL
- Legibility of letterforms where the upper portion of a letter resembles another letter
 - *example:* 𐌈 SMALL LETTER TU, 𐌉 SMALL LETTER JIIM
- Legibility of letterforms in context
 - *example:* 𐌊 CAPITAL LETTER I, 𐌋 SMALL LETTER I

4. Details of Updates

The discussion below will be focused on the deliberate adjustments made to resolve issues outlined in section 3. For reference, each letter will be shown in the most current version of all four widely used fonts with positional forms where applicable. Ebrima and ADLaM Display are not connected fonts and therefore only show the isolated form. Noto Sans Adlam Old has been included a historical reference since in some cases, the revised letterforms are directly related to those older forms.

Noto Sans Adlam Old, Released 2017

Noto Sans Adlam New, Released 2019

Current (Ebrima), Released 2019

ADLaM Display, Released 2024

Kigelia v2.3, Released 2024

Proposed (Ebrima v5.2), Released 2024

A. Complexity when writing

U+1E903: CAPITAL LETTER MIIM

ᲑᲑᲑ Ბ	Noto Sans Adlam Old
ᲑᲑᲑ Ბ	Noto Sans Adlam New
S	ADLaM Display
ᲑᲑᲑ Ბ	Kigelia
Ბ	Current
S	Proposed

The design in the current reference font was intended to make the CAPITAL LETTER MIIM more distinct from the Ბ SMALL LETTER MIIM. This made the letterform more complicated to write. With some proportional adjustments and remodeling of the upper bowl it was found that the change was unnecessary. The current reference font is the only font that uses this more complex design.

U+1E912: CAPITAL LETTER YA

ᲑᲑᲑ Ბ	Noto Sans Adlam Old
ᲑᲑᲑ Ბ	Noto Sans Adlam New
3	ADLaM Display
ᲑᲑᲑ Ბ	Kigelia
Ბ	Current
3	Proposed

The leading vertical stroke from the CAPITAL LETTER YA was introduced into the current reference typeface to make the letter more distinct from its lower-case counterpart 3 SMALL LETTER YA. This remains useful in connected all caps text however for the unconnected text it is not necessary. Subsequent designs have removed the vertical line for the initial and isolated forms.

U+1E943: SMALL LETTER SHA

𐌆𐌆𐌆 𐌆	Noto Sans Adlam Old
𐌆𐌆𐌆 𐌆	Noto Sans Adlam New
𐌆	ADLaM Display
𐌆𐌆𐌆 𐌆	Kigelia
𐌆	Current
𐌆	Proposed

The difficulty with the form of SMALL LETTER SHA in the current code chart font occurs when written without careful control of the proportions. This results in the left side resembling an U SMALL LETTER I, thus causing readability problems. The form seen in Adlam Display was an attempt to remedy this issue, but this change was not readily accepted by the community due to its complexity. The final solution was to change the design to resemble the W SMALL LETTER SINNYIYHE with an overbar. This has a relationship to the older design seen in Noto Sans Adlam Old which featured a similar structure in the upper portion. It should be noted that the SMALL LETTER SHA is primarily used in loan words and proper names.

B. Ambiguity in the case of a letter

U+1E900: CAPITAL LETTER ALIF

𐌆𐌆𐌆 𐌆	Noto Sans Adlam Old
𐌆𐌆𐌆 𐌆	Noto Sans Adlam New
𐌆	ADLaM Display
𐌆𐌆𐌆 𐌆	Kigelia
𐌆	Current
𐌆	Proposed

In the latest revision the over bar has been restored to prevent the confusion with 𐌆 SMALL LETTER ALIF. The overbar was initially removed in the reference typeface to accommodate the 𐌆 ALIF LENGTHENER which attaches above. In subsequent designs the ALIF LENGTHENER has an alternate design for the uppercase alif 𐌆 (shown here in Kigelia) which doesn't interfere with the overbar.

U+1E905: CAPITAL LETTER SINNYIYHE

𐌚𐌚𐌚 𐌚	Noto Sans Adlam Old
𐌚𐌚𐌚 𐌚	Noto Sans Adlam New
𐌚	ADLaM Display
𐌚𐌚𐌚 𐌚	Kigelia
𐌚	Current
𐌚	Proposed

The horizontal stroke was moved from the bottom to the top to simplify writing. The defining part of the letterform which is the double “u” shapes remains intact, while

keeping the uppercase form distinct from the lowercase form. The current reference font is the only font that does not reflect this update.

U+1E916: CAPITAL LETTER HA

ᲠᲠ Რ	Noto Sans Adlam Old
ᲠᲠᲠ Რ	Noto Sans Adlam New
Რ	ADLaM Display
ᲠᲠᲠ Რ	Kigelia
Რ	Current
Რ	Proposed

The aperture in the older form of the CAPITAL LETTER HA only rises to the “x-height”, causing this letter to appear as a lower-case letter. Increasing the aperture size to cap-height and folding the vertical extension down to a horizontal position resolves the confusion.

U+1E920: CAPITAL LETTER KPO

ᲠᲠᲠ Რ	Noto Sans Adlam Old
ᲠᲠᲠ Რ	Noto Sans Adlam New
Რ	ADLaM Display
ᲠᲠᲠ Რ	Kigelia
Რ	Current
Რ	Proposed

Users were finding that the shape of the CAPITAL LETTER KPO resembled its lower-case form Რ SMALL LETTER KPO too closely. The redesign preserves the general idea but extends the right side down to the base line. This also helps indicate that there is a phonetic relationship to the Რ CAPITAL LETTER PE.

C. Ambiguity between letters which have mirrored counterparts

These changes are primarily applied to letters for loan sounds that do not commonly occur in the Fulani language.

U+1E904: CAPITAL LETTER BA

ᲠᲠᲠ Რ	Noto Sans Adlam Old
ᲠᲠᲠ Რ	Noto Sans Adlam New
Რ	ADLaM Display
ᲠᲠᲠ Რ	Kigelia
Რ	Current
Რ	Proposed

U+1E917: CAPITAL LETTER QAAF

ᲠᲠᲠ Რ	Noto Sans Adlam Old
ᲠᲠᲠ Რ	Noto Sans Adlam New
Რ	ADLaM Display
ᲠᲠᲠ Რ	Kigelia
Რ	Current
Რ	Proposed

The problems with the CAPITAL LETTER QAAF were two-fold. The primary issue was the similarity to the CAPITAL LETTER BA which was its mirrored counterpart. Secondly, in newer designs the left side of the letter resembles a Რ CAPITAL LETTER

MIIM. The solution was to emphasize the upper looped portion of the letterform and reshape the bottom, so it is more distinct. CAPITAL LETTER BA remains unchanged.

U+1E926: SMALL LETTER BA

ḂḂḂ Ḃ	Noto Sans Adlam Old
ḂḂḂ Ḃ	Noto Sans Adlam New
Ḃ	ADLaM Display
ḂḂḂ Ḃ	Kigelia
Ḃ	Current
Ḃ	Proposed

U+1E939: SMALL LETTER QAAF

ḞḞḞ Ḟ	Noto Sans Adlam Old
ḞḞḞ Ḟ	Noto Sans Adlam New
Ḟ	ADLaM Display
ḞḞḞ Ḟ	Kigelia
Ḟ	Current
Ḟ	Proposed

The SMALL LETTER BA and SMALL LETTER QAAF had the same confusability issues as their capital counterparts. The SMALL LETTER QAAF was adjusted in the same fashion as the CAPITAL LETTER QAAF with a different stroke dynamic.

U+1E91F: CAPITAL LETTER ZAL

ḨḨḨ Ḩ	Noto Sans Adlam Old
ḨḨḨ Ḩ	Noto Sans Adlam New
Ḩ	ADLaM Display
ḨḨḨ Ḩ	Kigelia
Ḩ	Current
Ḩ	Proposed

U+1E921: CAPITAL LETTER SHA

ḦḦḦ Ḧ	Noto Sans Adlam Old
ḦḦḦ Ḧ	Noto Sans Adlam New
Ḧ	ADLaM Display
ḦḦḦ Ḧ	Kigelia
Ḧ	Current
Ḧ	Proposed

In previous designs CAPITAL LETTER ZAL and CAPITAL LETTER SHA were mirrors of one another resulting in confusability between them. Various attempts to adjust the stroke dynamics did not yield elegant results that were easy to write. The updated form of the CAPITAL LETTER ZAL rearranges the strokes so that is distinct from the CAPITAL LETTER SHA. This allows the CAPITAL LETTER SHA to be flipped horizontally, thus giving it a stronger relationship to the historical form seen in Noto Sans Adlam Old.

U+1E931: SMALL LETTER WAW

ṲṲṲ Ṳ	Noto Sans Adlam Old
ṲṲṲ Ṳ	Noto Sans Adlam New
Ṳ	ADLaM Display
ṲṲṲ Ṳ	Kigelia
Ṳ	Current
Ṳ	Proposed

U+1E93E: SMALL LETTER VA

ṲṲṲ Ṳ	Noto Sans Adlam Old
ṲṲṲ Ṳ	Noto Sans Adlam New
Ṳ	ADLaM Display
ṲṲṲ Ṳ	Kigelia
Ṳ	Current
Ṳ	Proposed

In previous designs SMALL LETTER WAW and SMALL LETTER VA only differed by the side the center stroke attached to. This distinguishing feature is difficult to register at small sizes. This has been resolved by flipping the entire letterform, so the overall shape differs.

D. Legibility of letterforms where the upper portion of a letter resembles another letter

U+1E914: CAPITAL LETTER JIIM

ᲒᲒᲒ Გ	Noto Sans Adlam Old
ᲒᲒᲒ Გ	Noto Sans Adlam New
Გ	ADLaM Display
ᲒᲒᲒ Გ	Kigelia
Გ	Current
Გ	Proposed

U+1E91A: CAPITAL LETTER TU

ᲒᲒᲒ Გ	Noto Sans Adlam Old
ᲒᲒᲒ Გ	Noto Sans Adlam New
Გ	ADLaM Display
ᲒᲒᲒ Გ	Kigelia
Გ	Current
Გ	Proposed

Particularly when connected, the upper portion of Adlam letters strongly contribute to character recognition. Both the CAPITAL LETTER JIIM and CAPITAL LETTER TU feature double arches at the top. Various attempts to modify the lower portion of the letter failed to resolve the confusability between the two letters.

Changing the stroke dynamic of the CAPITAL LETTER TU has made it distinguishable from the CAPITAL LETTER JIIM. This has allowed the lower part of the CAPITAL LETTER JIIM to return to the closed off shape seen in older designs.

E. Legibility of letterforms in context

U+1E90B: CAPITAL LETTER I

ᲒᲒᲒ Გ	Noto Sans Adlam Old
ᲒᲒᲒ Გ	Noto Sans Adlam New
Გ	ADLaM Display
ᲒᲒᲒ Გ	Kigelia
Გ	Current
Გ	Proposed

U+1E92D: SMALL LETTER I

ᲒᲒᲒ Გ	Noto Sans Adlam Old
ᲒᲒᲒ Გ	Noto Sans Adlam New
Გ	ADLaM Display
ᲒᲒᲒ Გ	Kigelia
Გ	Current
Გ	Proposed

An inner diagonal stroke has been added to the CAPITAL LETTER I and SMALL LETTER I in the most recent updates. This is not a significant visual change, but it makes a significant improvement to legibility. A persistent issue with Adlam, particularly when connected, has been that the repetition of the u-like shape across many of the letterforms made it difficult to read. When the LETTER I was adjacent to similar forms it was extremely difficult to determine if one is seeing the letter I or a script connection between two letters.

For example, when the LETTER I is adjacent to the LETTER SINNYIYHE the boundaries of the letterforms are hard to distinguish. Different solutions have been attempted like adding an ascender in medial positions and adjusting proportions and spacing. While these solutions have helped, they were not robust. The diagonal stroke makes the delineation between the letters more obvious. See example below.

Noto Sans Adlam
ᲒᲒᲒ

Kigelia
ᲒᲒᲒ

5. Examples of revised letterforms in use

The manuscript samples are a subset of 173 images from 116 students collected from various countries in West Africa. The presented samples were chosen based on the quality of the penmanship and prevalence of the revised forms. An attempt has been made to identify multiple examples of the revised letterforms in use.

Due to the infrequency of the supplementary characters ([U+1E91C – U+1E921] [U+1E93E – U+1E943]) in Fulah, written examples of some of these forms were not found. In addition, the revisions made to LETTER I are new as of June 2024, so students were not introduced to this change when the images were collected. However, these revisions are more likely to be found in on-line content and printed matter.

A variety of samples have been included showing the usage of the up-to-date fonts in printed materials and social media to illustrate the level exposure that users have to the revised letterforms. There are also six books expected to go to print this year that are typeset Kigelia (2024). These have not been included in the samples as they currently are still being edited.

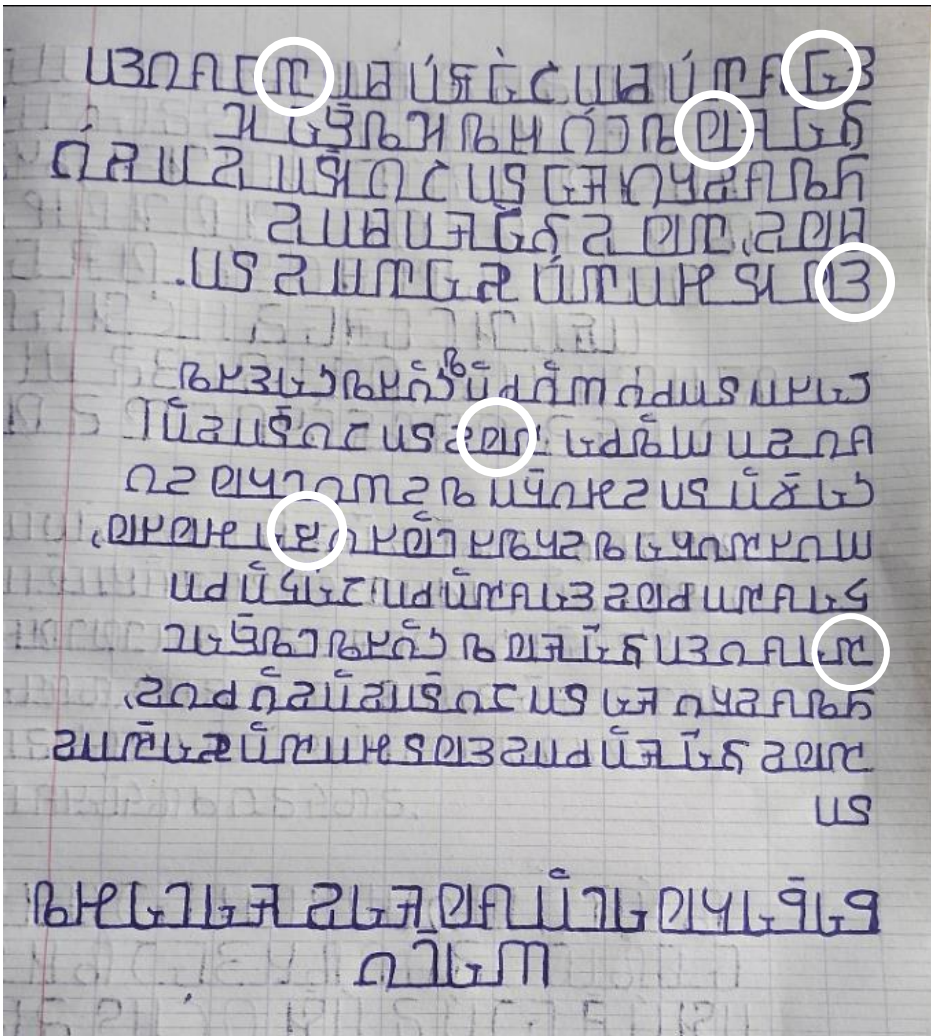


Figure 1: Writing from student A (2023) with revised forms encircled.

From top-right to bottom-left characters are as follows:

CAPITAL LETTER ALIF U+1E900

CAPITAL LETTER TU U+1E91A

CAPITAL LETTER U+1E913

CAPITAL LETTER YA U+1E912 (initial position)

SMALL LETTER U U+1E935

SMALL LETTER QAAF U+1E939

SMALL LETTER TU U+1E93C

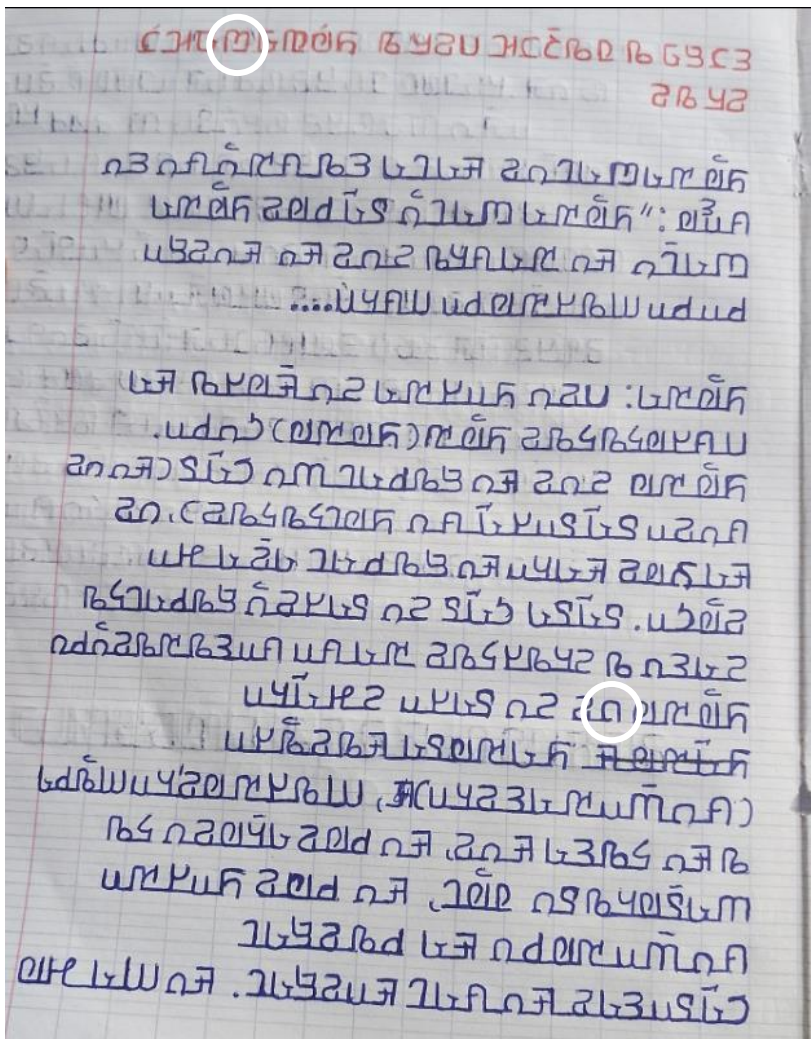


Figure 2: Writing from student A (2023) with revised forms encircled.

From top-right to bottom-left characters are as follows:

CAPTIAL LETTER JIIM U+1E914

SMALL LETTER O U+1E92E (initial position)

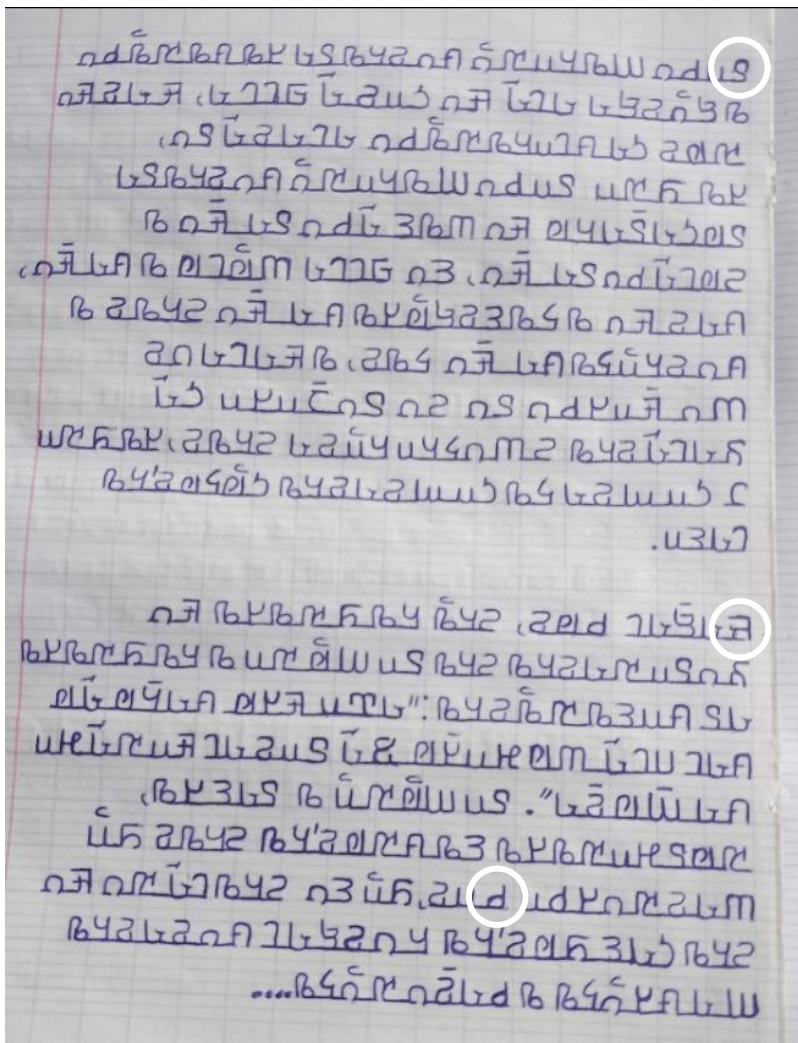


Figure 3: Writing from student A (2023) with revised forms encircled.

From top-right to bottom-left characters are as follows:

CAPTIAL LETTER MIIM U+1E903

CAPTIAL LETTER CHI U+1E915

SMALL LETTER DHA U+1E92F

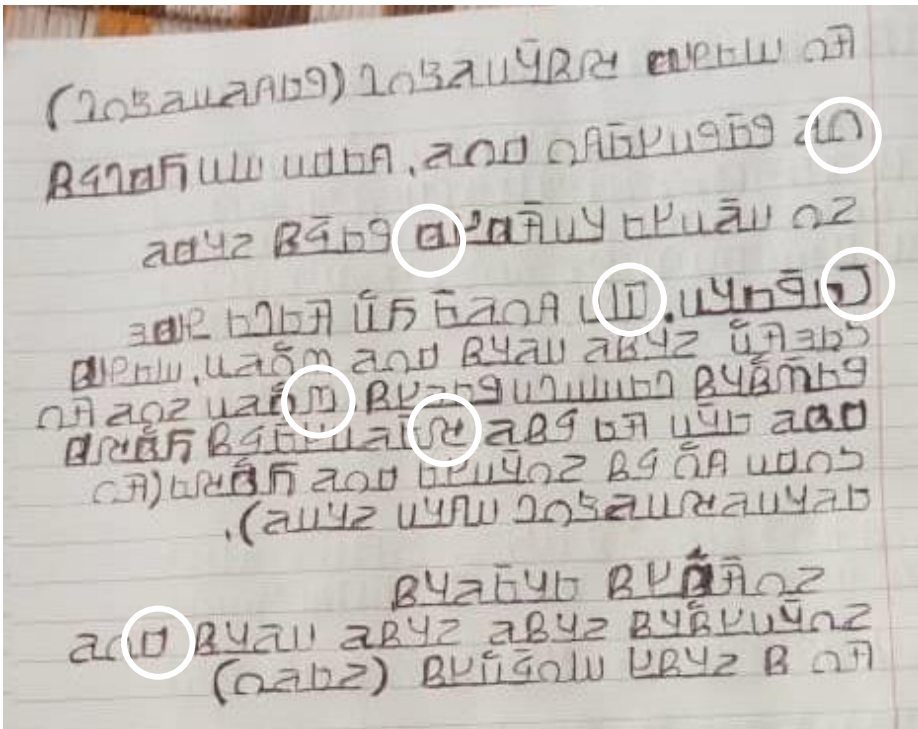


Figure 4: Writing from student B (2023) with revised forms encircled.

From top-right to bottom-left characters are as follows:

SMALL LETTER O U+1E92E (initial position)

SMALL LETTER U U+1E935

CAPTIAL LETTER HA U+1E916

CAPTIAL LETTER SINNYIIHE U+1E905

CAPTIAL LETTER JIIM U+1E914

SMALL LETTER TU U+1E93C

SMALL LETTER DHA U+1E92F

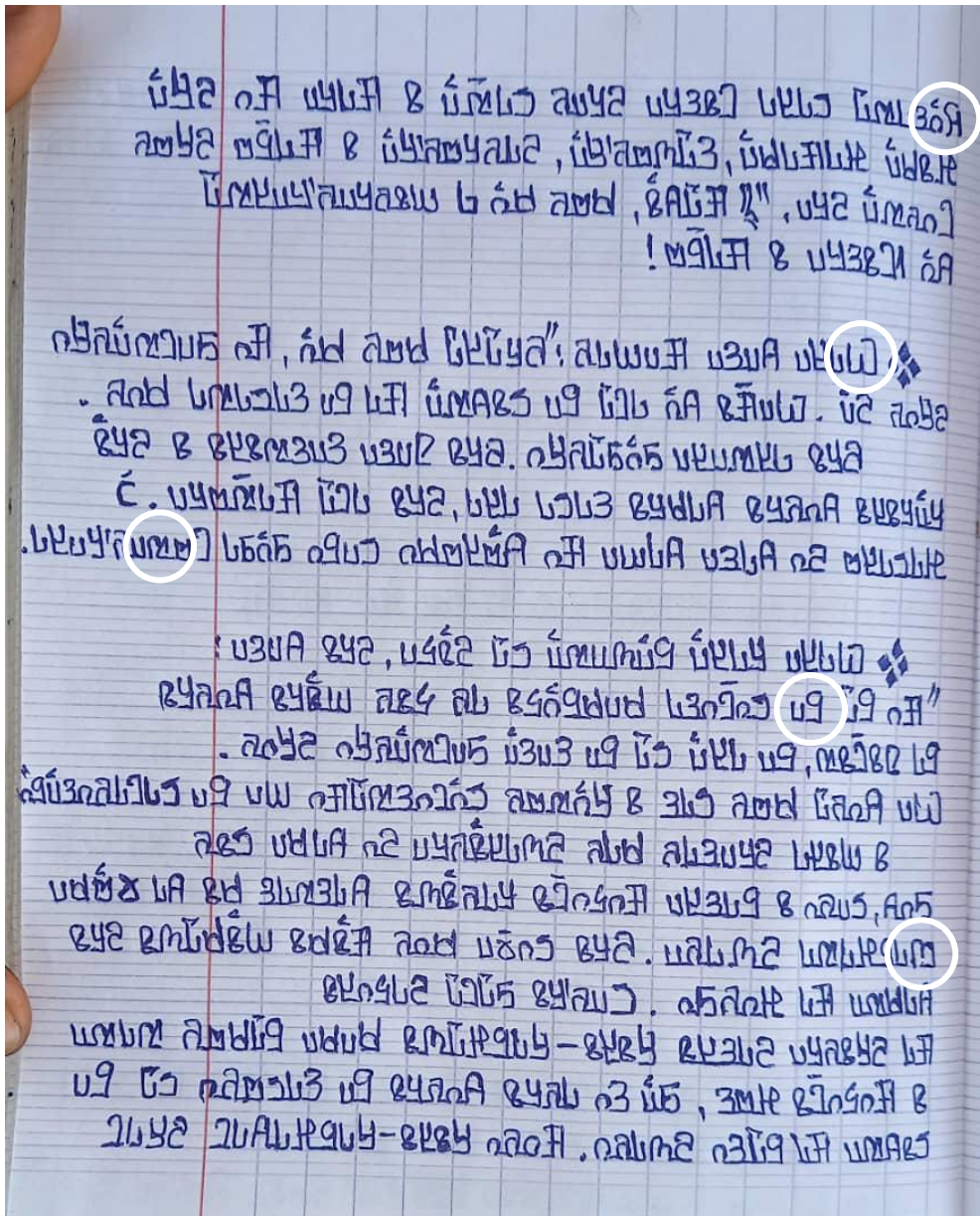


Figure 5: Writing from student C (2023) with revised forms encircled.

From top-right to bottom-left characters are as follows:

- CAPITAL LETTER BHE U+1E907
- CAPTIAL LETTER SINNYIIHE U+1E905
- SMALL LETTER TU U+1E93C
- CAPTIAL LETTER MIIM U+1E903
- CAPTIAL LETTER JIIM U+1E914

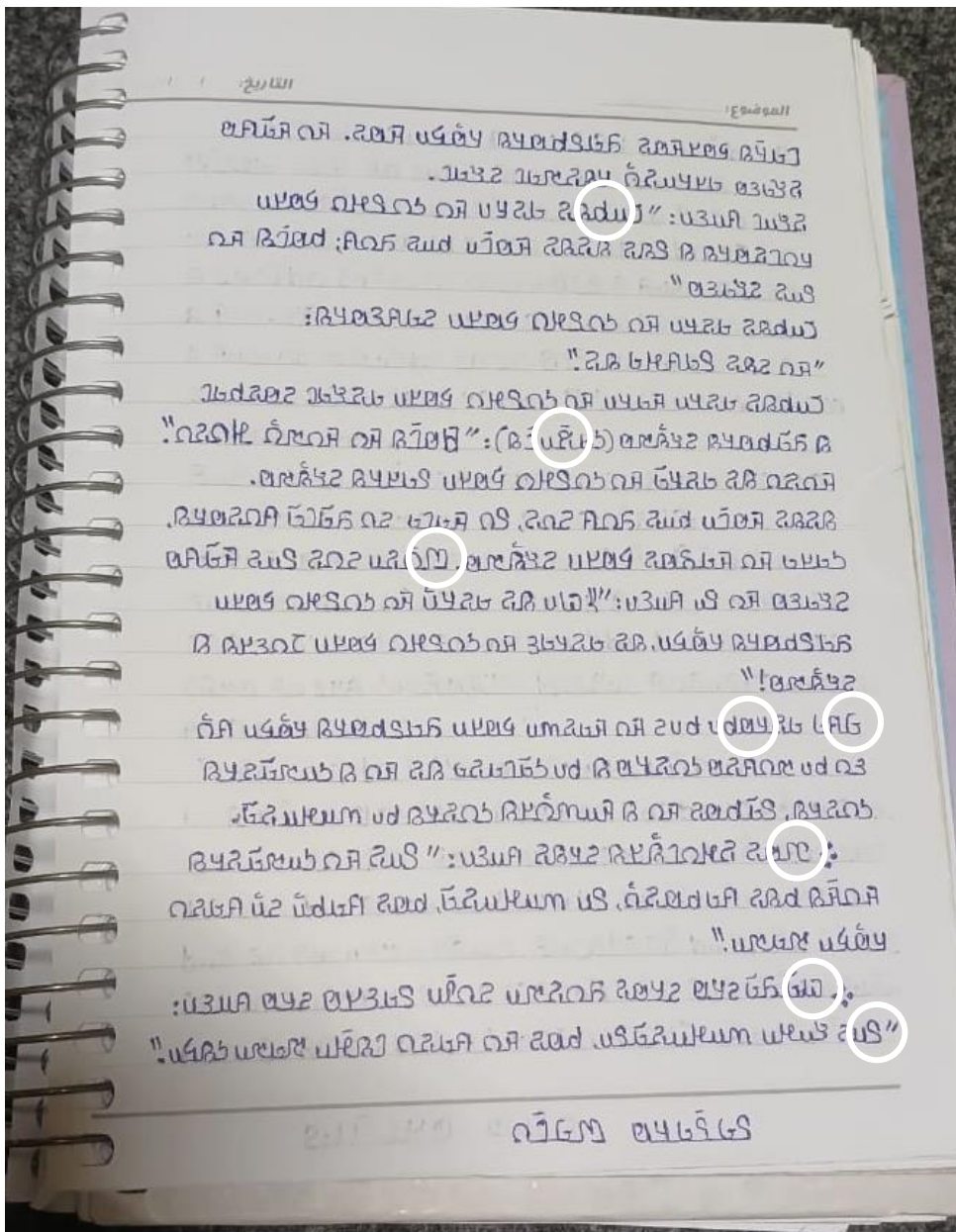


Figure 6: Writing from student D (2023) with revised forms encircled.

From top-right to bottom-left characters are as follows:

SMALL LETTER DHA U+1E92F

SMALL LETTER QAAF U+1E939

CAPTIAL LETTER JIIM U+1E914

CAPTIAL LETTER ALIF U+1E900

SMALL LETTER U U+1E935

CAPITAL LETTER TU U+1E91A

CAPTIAL LETTER SINNYIHE U+1E905

CAPTIAL LETTER MIIM U+1E903

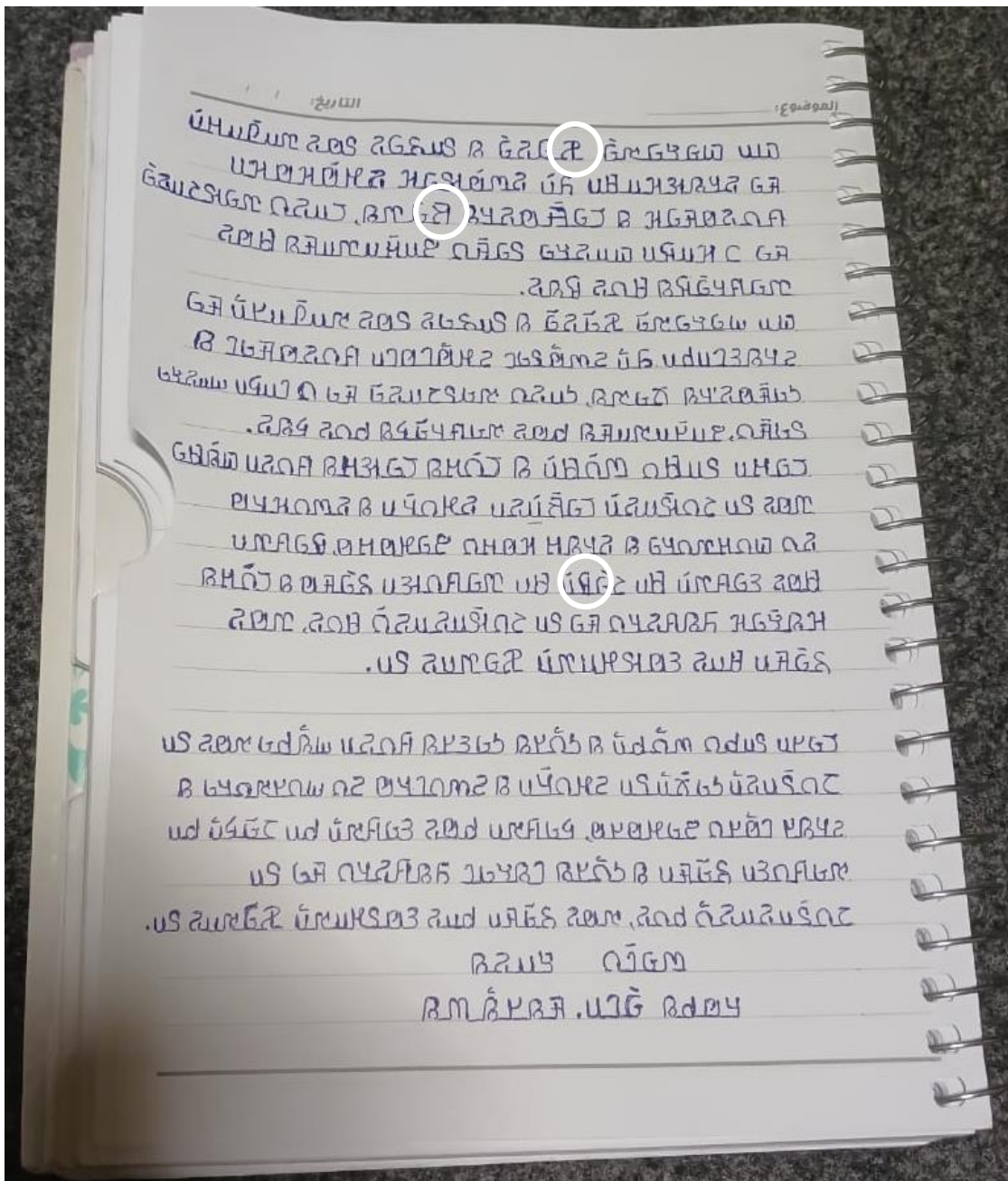


Figure 7: Writing from student D (2023) with revised forms encircled.

From top-right to bottom-left characters are as follows:

CAPITAL LETTER NHA U+1E91B

CAPTIAL LETTER CHI U+1E915

CAPITAL LETTER BHE U+1E907

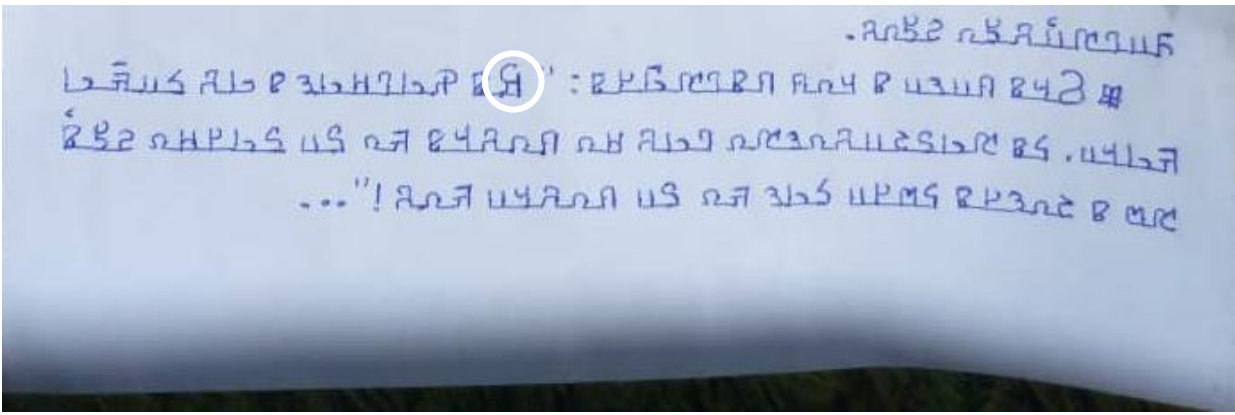
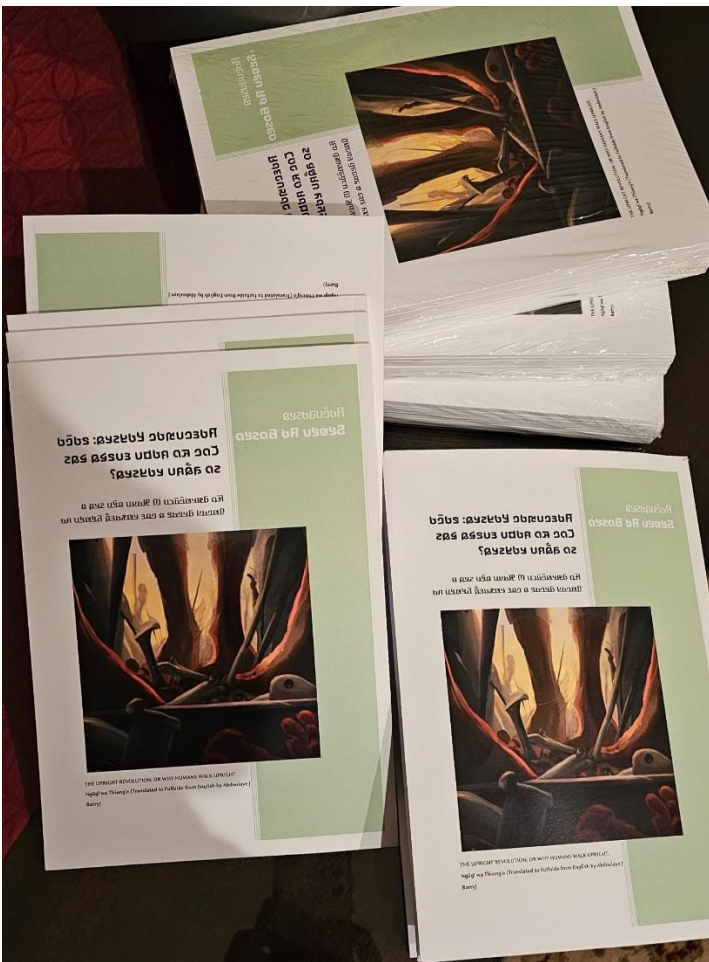


Figure 8: Writing from student E (2023) with revised forms encircled.

From top-right to bottom-left characters are as follows:

CAPITAL LETTER BHE U+1E907



Français	English	ᱫᱷᱟᱱᱵᱟᱫ
orteils (orteil)	toes (toe)	(ᱠᱤᱨᱢᱤᱫ) ᱠᱷᱟᱨ
frapper avec	beat with	ᱠᱤᱨᱢᱤᱫ ᱠᱷᱟᱨ
égalité	equality	ᱠᱷᱟᱨ
avertir	warn	ᱠᱤᱨᱢᱤᱫ ᱠᱷᱟᱨ
(s) buffle	buffalo (s)	(ᱠᱷᱟ) .ᱠᱷᱟᱨ
suggérer	suggest	ᱠᱤᱨᱢᱤᱫ ᱠᱷᱟᱨ
une pièce de théâtre	a play	(ᱠᱷᱟᱨ) ᱠᱷᱟᱨ
jouer au damier	play checkers	ᱠᱤᱨᱢᱤᱫ ᱠᱷᱟᱨ
hanche(s)	hip(s)	(ᱠᱷᱟᱨ) ᱠᱷᱟᱨ
hyène(s)	hyena(s)	(ᱠᱷᱟᱨ) ᱠᱷᱟᱨ
boutique(s)	shop(s)	(ᱠᱷᱟᱨ) ᱠᱷᱟᱨ
poignet(s)	wrist(s)	(ᱠᱷᱟᱨ) ᱠᱷᱟᱨ
considéré	considered	ᱠᱤᱨᱢᱤᱫ ᱠᱷᱟᱨ
être l'auteur de	to author	ᱠᱤᱨᱢᱤᱫ ᱠᱷᱟᱨ
faire la roue de charrette	do cartwheels	ᱠᱤᱨᱢᱤᱫ ᱠᱷᱟᱨ
temps	time	ᱠᱷᱟᱨ
révolution, changement	revolution, change	ᱠᱤᱨᱢᱤᱫ ᱠᱷᱟᱨ
singe(s)	monkey(s)	(ᱠᱷᱟᱨ) ᱠᱷᱟᱨ
jouer cricket ou base-ball	play cricket or base ball	ᱠᱤᱨᱢᱤᱫ ᱠᱷᱟᱨ
discussion	discussion, debate	ᱠᱤᱨᱢᱤᱫ ᱠᱷᱟᱨ
traduire	translate	ᱠᱤᱨᱢᱤᱫ ᱠᱷᱟᱨ
être célèbre	to be famous	ᱠᱤᱨᱢᱤᱫ ᱠᱷᱟᱨ
défi	challenge	ᱠᱤᱨᱢᱤᱫ ᱠᱷᱟᱨ
autruche(s)	ostrich(s)	(ᱠᱷᱟᱨ) ᱠᱷᱟᱨ
estampiller le sol	stamp the ground	ᱠᱤᱨᱢᱤᱫ ᱠᱷᱟᱨ
jeux	games	ᱠᱤᱨᱢᱤᱫ ᱠᱷᱟᱨ
prix nobel	nobel prize	ᱠᱤᱨᱢᱤᱫ ᱠᱷᱟᱨ
pouvoir	power	ᱠᱤᱨᱢᱤᱫ ᱠᱷᱟᱨ
retarder	delay	ᱠᱤᱨᱢᱤᱫ ᱠᱷᱟᱨ
crocodile(s)	crocodile(s)	(ᱠᱷᱟᱨ) ᱠᱷᱟᱨ
lièvre	hare	ᱠᱤᱨᱢᱤᱫ
lièvre(s)	hare(s)	(ᱠᱷᱟᱨ) ᱠᱷᱟᱨ
pour	for	ᱠᱤᱨᱢᱤᱫ
hippopotame(s)	hippo(s)	(ᱠᱷᱟᱨ) ᱠᱷᱟᱨ

Figure 9: Thiong'o, Ngũgĩ wa. (2023). *The Upright Evolution or Why Humans Walk Upright*, (A. Barry, Trans.). Les Editions Finde Communication/Winden Jangen (Original work published 2016) This edition uses Kigelia (2023) which features all of the updated letterforms.

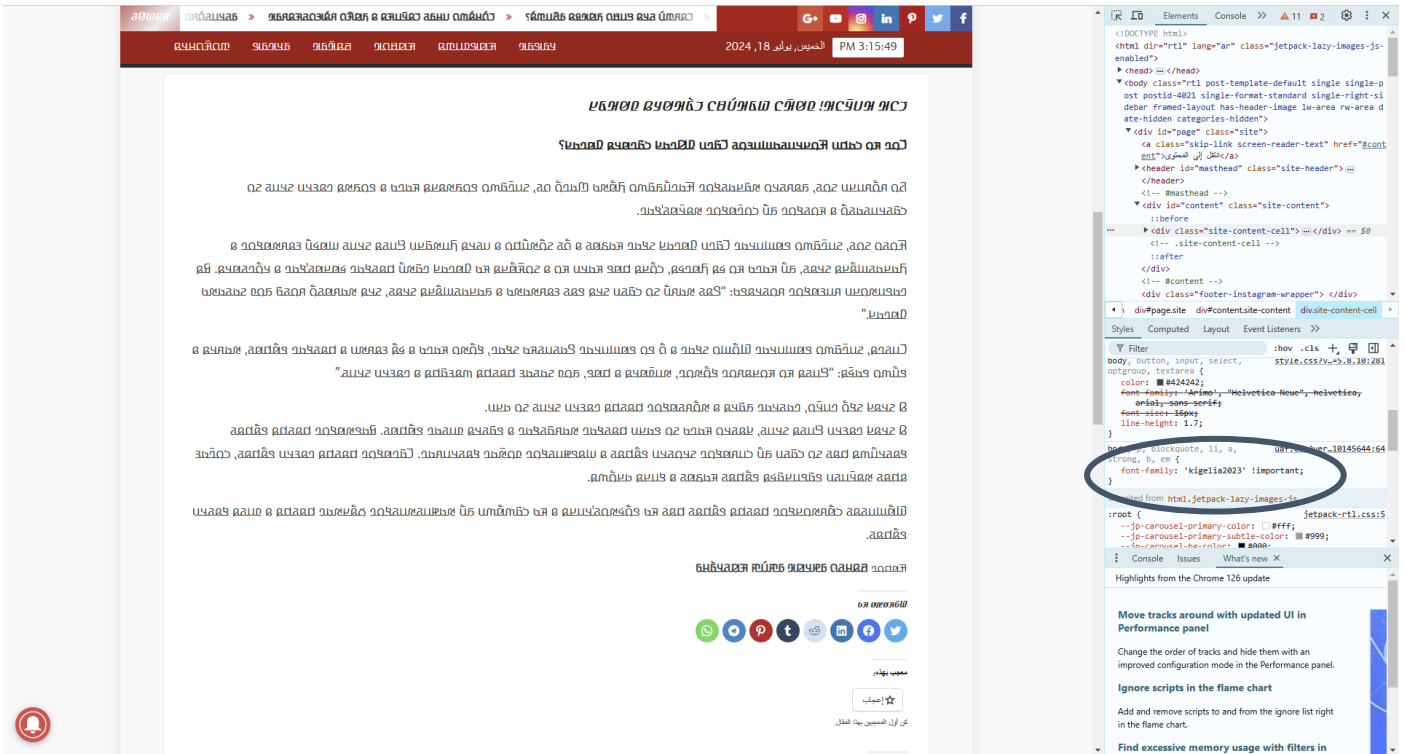


Figure 10: Tabalde. (July 2024) www.tabalde.com. This is the primary news site that publishes content exclusively in Adlam. Fonts are self-hosted and always updated to the latest version of Kigelia. As a result, users reading articles on the site are readily exposed to the most up-to-date forms.



Figure 11: Road sign in Guinea showing the 9 provinces of Fouta Jallon using ADLaM Display (2023), revised forms encircled.

From top-right to bottom-left characters are as follows:

CAPITAL LETTER U U+1E913

CAPITAL LETTER ALIF U+1E900

CAPTIAL LETTER YA U+1E912

CAPTIAL LETTER SINNYIHE U+1E905

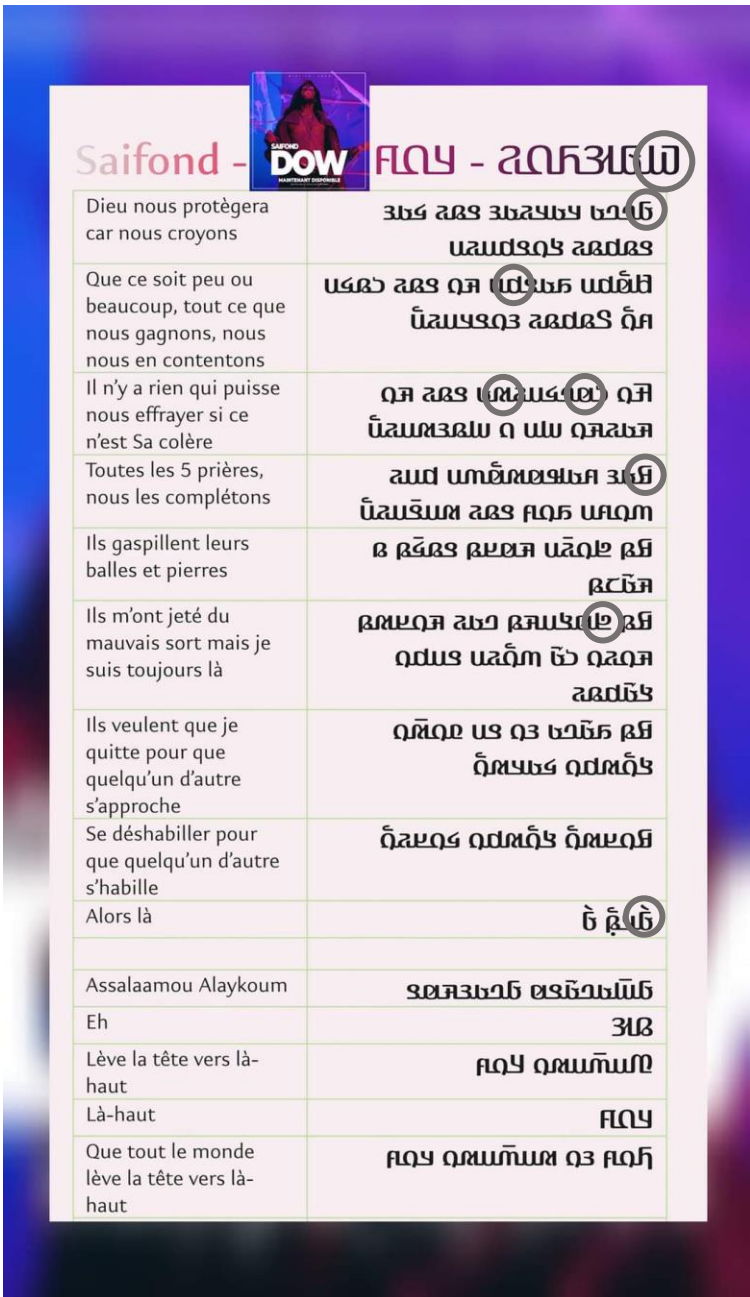


Figure 12: Barry, Abdoulaye. (2024, May 2) *Translation of lyrics from musical artist Saifond.* [Image Attached] [Facebook post] Facebook.

<https://www.facebook.com/share/p/pUS6buj9B5E6t1aG/>

Typeset in Kigelia (2023) with revised forms encircled.

From top-right to bottom-left characters are as follows:

CAPTIAL LETTER SINNYIIHE U+1E905

CAPITAL LETTER ALIF U+1E900

SMALL LETTER DHA U+1E92F

SMALL LETTER U U+1E935

SMALL LETTER TU U+1E93C

SMALL LETTER BHE U+1E907

SMALL LETTER BA U+1E926 (initial form)

ALIF LENGTHENER U+1E944

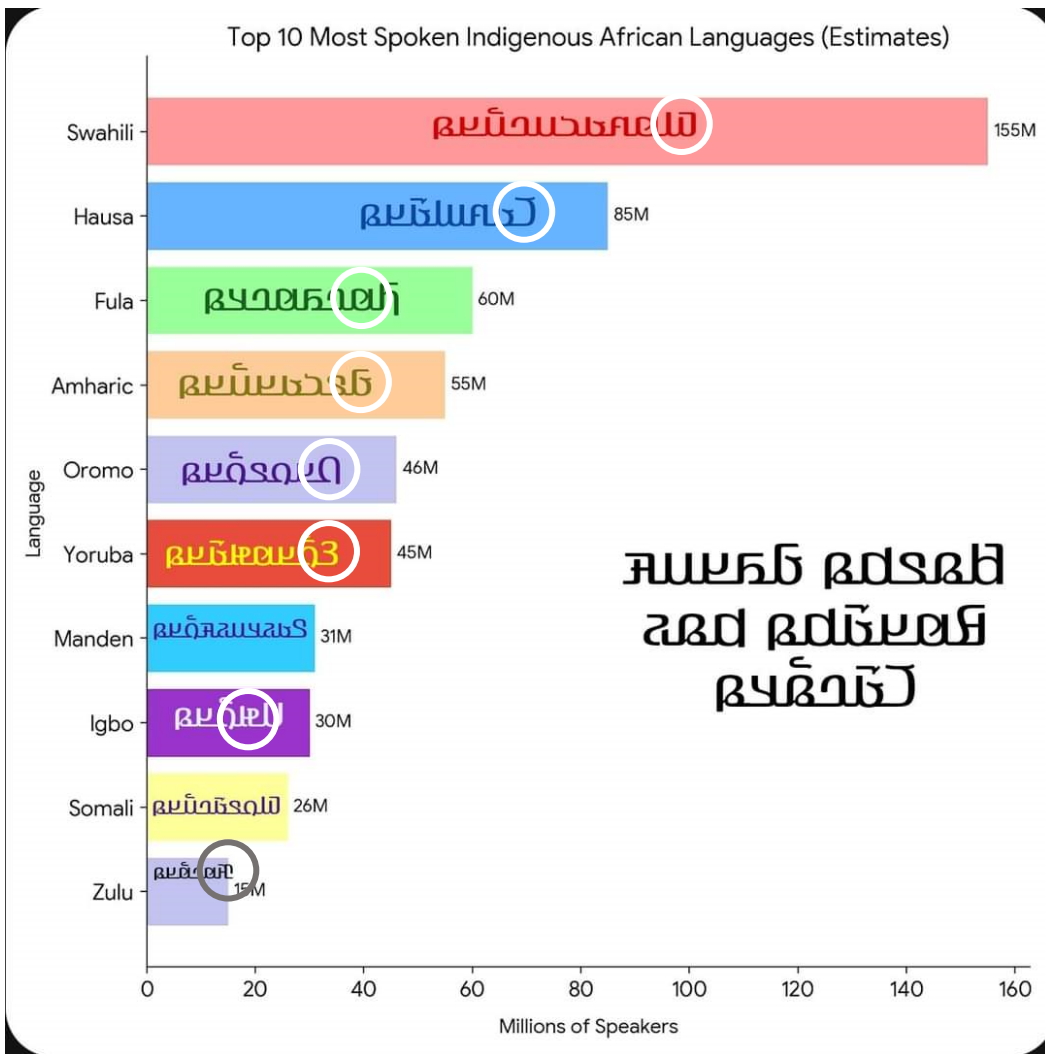


Figure 13: Tabalde Media. (2024, March 28) *Top 10 most spoken indigenous African languages*. [Image Attached] [Facebook post] Facebook.

<https://www.facebook.com/photo/?fbid=926899212778020&set=g.2071942953051219>

Typeset in Kigelia (2023) with revised forms encircled.

From top-right to bottom-left characters are as follows:

CAPTIAL LETTER SINNYIIHE U+1E905

CAPTIAL LETTER HA U+1E916

SMALL LETTER U U+1E935

CAPITAL LETTER ALIF U+1E900

CAPITAL LETTER O U+1E90C (initial form)

CAPTIAL LETTER YA U+1E912 (initial form)

SMALL LETTER BA U+1E926

CAPITAL LETTER ZAL U+1E91F



Figure 14: Diallo, Malick. (2024, March 26) *Social media post advertising powdered milk.* [Image Attached] [Facebook post] Facebook.

<https://www.facebook.com/photo.php?fbid=3790266447922608&set=pb.100008178707739.-2207520000&type=3>

Typeset in ADLaM Display. (2023)

From top-right to bottom-left characters are as follows:

- CAPITAL LETTER BHE U+1E907
- SMALL LETTER U U+1E935
- SMALL LETTER BA U+1E926
- SMALL LETTER TU U+1E93C
- SMALL LETTER O U+1E92E

Երեսօր	Արևելք	Արևմուտք	Մութեան ատարածություն	Նախալույս	Նախալույս	Արևմուտք	Նախալույս
1	06:51	18:00	11:09	06:21	18:00	11:39	11:39
2	06:51	18:00	11:09	06:21	18:00	11:39	11:39
3	06:51	18:00	11:09	06:21	18:00	11:39	11:39
4	06:51	18:00	11:09	06:21	18:00	11:39	11:39
5	06:51	18:00	11:09	06:21	18:00	11:39	11:39
6	06:51	18:00	11:09	06:21	18:00	11:39	11:39
7	06:51	18:00	11:09	06:21	18:00	11:39	11:39
8	06:51	18:00	11:09	06:21	18:00	11:39	11:39
9	06:51	18:00	11:09	06:21	18:00	11:39	11:39
10	06:51	18:00	11:09	06:21	18:00	11:39	11:39
11	06:51	18:00	11:09	06:21	18:00	11:39	11:39
12	06:51	18:00	11:09	06:21	18:00	11:39	11:39
13	06:51	18:00	11:09	06:21	18:00	11:39	11:39
14	06:51	18:00	11:09	06:21	18:00	11:39	11:39
15	06:51	18:00	11:09	06:21	18:00	11:39	11:39
16	06:51	18:00	11:09	06:21	18:00	11:39	11:39
17	06:51	18:00	11:09	06:21	18:00	11:39	11:39
18	06:51	18:00	11:09	06:21	18:00	11:39	11:39
19	06:51	18:00	11:09	06:21	18:00	11:39	11:39
20	06:51	18:00	11:09	06:21	18:00	11:39	11:39
21	06:51	18:00	11:09	06:21	18:00	11:39	11:39
22	06:51	18:00	11:09	06:21	18:00	11:39	11:39
23	06:51	18:00	11:09	06:21	18:00	11:39	11:39
24	06:51	18:00	11:09	06:21	18:00	11:39	11:39
25	06:51	18:00	11:09	06:21	18:00	11:39	11:39
26	06:51	18:00	11:09	06:21	18:00	11:39	11:39
27	06:51	18:00	11:09	06:21	18:00	11:39	11:39
28	06:51	18:00	11:09	06:21	18:00	11:39	11:39
29	06:51	18:00	11:09	06:21	18:00	11:39	11:39
30	06:51	18:00	11:09	06:21	18:00	11:39	11:39

Figure 15: Diallo, Malick. (2024, March 12) Social media post showing the sunrise and sunset times for Ramadan. [Image Attached] [Facebook post] Facebook.

<https://www.facebook.com/photo.php?fbid=3780929112189675&set=pb.100008178707739.-2207520000&type=3>

Typeset in ADLaM Display (2023) with revised forms encircled.

From top-right to bottom-left characters are as follows:

DIGIT ONE U+1E951

DIGIT SIX U+1E956

Figure 16: Finde Adlam. (2024, March 5) Advertisement for a Facebook Live presentation the day before Ramadan. [Image Attached] [Facebook post] Facebook.

<https://www.facebook.com/photo/?fbid=920404383424201&set=g.2071942953051219>

Typeset in ADLaM Display (2024), with revised forms encircled.

From top-right to bottom-left characters are as follows:

CAPTIAL LETTER CHI U+1E915

CAPITAL LETTER U U+1E913

CAPTIAL LETTER YA U+1E912

CAPITAL LETTER SHA U+1E921



Figure 17: Diallo, Thierno Ismaila. (2024, February 28). *Social media quiz*.
<https://www.facebook.com/photo/?fbid=746269100814268&set=a.437525558355292>

Diallo, Thierno Ismaila. (2024, February 29). *Social media quiz*.
<https://www.facebook.com/photo?fbid=746864957421349&set=a.437525558355292>

Typeset in ADLaM Display (2024).

5. Appendix

Timeline of revisions made to Adlam letterforms in all released fonts.

	2017	2018	2019	2020	2021	2022	2023	2024
CAPITAL LETTER ALIF (U+1E900)								
Noto	ᐅ ᐅᐅᐅ		ᐅ ᐅᐅᐅ					
Ebrima		ᐅ	ᐅ					ᐅ
Kigelia			ᐅ ᐅᐅᐅ	ᐅ ᐅᐅᐅ		ᐅ ᐅᐅᐅ	ᐅ ᐅᐅᐅ	ᐅ ᐅᐅᐅ
ADLaM Display						ᐅ	ᐅ	ᐅ
SMALL LETTER ALIF (U+1E922)								
Noto	ᐅ ᐅᐅᐅ		ᐅ ᐅᐅᐅ					
Ebrima		ᐅ	ᐅ					ᐅ
Kigelia			ᐅ ᐅᐅᐅ	ᐅ ᐅᐅᐅ		ᐅ ᐅᐅᐅ	ᐅ ᐅᐅᐅ	ᐅ ᐅᐅᐅ
ADLaM Display						ᐅ	ᐅ	ᐅ
CAPITAL LETTER DAALI (U+1E901)								
Noto	ᐃ ᐃᐃᐃ		ᐃ ᐃᐃᐃ					
Ebrima		ᐃ	ᐃ					ᐃ
Kigelia			ᐃ ᐃᐃᐃ	ᐃ ᐃᐃᐃ		ᐃ ᐃᐃᐃ	ᐃ ᐃᐃᐃ	ᐃ ᐃᐃᐃ
ADLaM Display						ᐃ	ᐃ	ᐃ
SMALL LETTER DAALI (U+1E923)								
Noto	ᐃ ᐃᐃᐃ		ᐃ ᐃᐃᐃ					
Ebrima		ᐃ	ᐃ					ᐃ
Kigelia			ᐃ ᐃᐃᐃ	ᐃ ᐃᐃᐃ		ᐃ ᐃᐃᐃ	ᐃ ᐃᐃᐃ	ᐃ ᐃᐃᐃ
ADLaM Display						ᐃ	ᐃ	ᐃ
CAPITAL LETTER LAAM (U+1E902)								
Noto	ᐅ ᐅᐅᐅ		ᐅ ᐅᐅᐅ					
Ebrima		ᐅ	ᐅ					ᐅ
Kigelia			ᐅ ᐅᐅᐅ	ᐅ ᐅᐅᐅ		ᐅ ᐅᐅᐅ	ᐅ ᐅᐅᐅ	ᐅ ᐅᐅᐅ
ADLaM Display						ᐅ	ᐅ	ᐅ
SMALL LETTER LAAM (U+1E924)								
Noto	ᐅ ᐅᐅᐅ		ᐅ ᐅᐅᐅ					
Ebrima		ᐅ	ᐅ					ᐅ
Kigelia			ᐅ ᐅᐅᐅ	ᐅ ᐅᐅᐅ		ᐅ ᐅᐅᐅ	ᐅ ᐅᐅᐅ	ᐅ ᐅᐅᐅ
ADLaM Display						ᐅ	ᐅ	ᐅ
CAPITAL LETTER MIIM (U+1E903)								
Noto	ᐃ ᐃᐃᐃ		ᐃ ᐃᐃᐃ					
Ebrima		ᐃ	ᐃ					ᐃ
Kigelia			ᐃ ᐃᐃᐃ	ᐃ ᐃᐃᐃ		ᐃ ᐃᐃᐃ	ᐃ ᐃᐃᐃ	ᐃ ᐃᐃᐃ
ADLaM Display						ᐃ	ᐃ	ᐃ
SMALL LETTER MIIM (U+1E925)								
Noto	ᐃ ᐃᐃᐃ		ᐃ ᐃᐃᐃ					
Ebrima		ᐃ	ᐃ					ᐃ
Kigelia			ᐃ ᐃᐃᐃ	ᐃ ᐃᐃᐃ		ᐃ ᐃᐃᐃ	ᐃ ᐃᐃᐃ	ᐃ ᐃᐃᐃ
ADLaM Display						ᐃ	ᐃ	ᐃ

	2017	2018	2019	2020	2021	2022	2023	2024
CAPITAL LETTER BA (U+1E904)								
Noto	Ḃ ḂḂḂ		Ḃ ḂḂḂ					
Ebrima		Ḃ	Ḃ					Ḃ
Kigelia			Ḃ ḂḂḂ	Ḃ ḂḂḂ		Ḃ ḂḂḂ	Ḃ ḂḂḂ	Ḃ ḂḂḂ
ADLaM Display						Ḃ	Ḃ	Ḃ
SMALL LETTER BA (U+1E926)								
Noto	ḃ ḃḃḃ		ḃ ḃḃḃ					
Ebrima		ḃ	ḃ					ḃ
Kigelia			ḃ ḃḃḃ	ḃ ḃḃḃ		ḃ ḃḃḃ	ḃ ḃḃḃ	ḃ ḃḃḃ
ADLaM Display						ḃ	ḃ	ḃ
CAPITAL LETTER SINNYIIHE (U+1E905)								
Noto	Ḅ ḄḄḄ		Ḅ ḄḄḄ					
Ebrima		Ḅ	Ḅ					Ḅ
Kigelia			Ḅ ḄḄḄ	Ḅ ḄḄḄ		Ḅ ḄḄḄ	Ḅ ḄḄḄ	Ḅ ḄḄḄ
ADLaM Display						Ḅ	Ḅ	Ḅ
SMALL LETTER SINNYIIHE (U+1E927)								
Noto	ḅ ḅḅḅ		ḅ ḅḅḅ					
Ebrima		ḅ	ḅ					ḅ
Kigelia			ḅ ḅḅḅ	ḅ ḅḅḅ		ḅ ḅḅḅ	ḅ ḅḅḅ	ḅ ḅḅḅ
ADLaM Display						ḅ	ḅ	ḅ
CAPITAL LETTER PE (U+1E906)								
Noto	Ḇ ḆḆḆ		Ḇ ḆḆḆ					
Ebrima		Ḇ	Ḇ					Ḇ
Kigelia			Ḇ ḆḆḆ	Ḇ ḆḆḆ		Ḇ ḆḆḆ	Ḇ ḆḆḆ	Ḇ ḆḆḆ
ADLaM Display						Ḇ	Ḇ	Ḇ
SMALL LETTER PE (U+1E928)								
Noto	ḇ ḇḇḇ		ḇ ḇḇḇ					
Ebrima		ḇ	ḇ					ḇ
Kigelia			ḇ ḇḇḇ	ḇ ḇḇḇ		ḇ ḇḇḇ	ḇ ḇḇḇ	ḇ ḇḇḇ
ADLaM Display						ḇ	ḇ	ḇ
CAPITAL LETTER BHE (U+1E907)								
Noto	Ḉ ḈḈḈ		Ḉ ḈḈḈ					
Ebrima		Ḉ	Ḉ					Ḉ
Kigelia			Ḉ ḈḈḈ	Ḉ ḈḈḈ		Ḉ ḈḈḈ	Ḉ ḈḈḈ	Ḉ ḈḈḈ
ADLaM Display						Ḉ	Ḉ	Ḉ
SMALL LETTER BHE (U+1E929)								
Noto	ḉ ḉḉḉ		ḉ ḉḉḉ					
Ebrima		ḉ	ḉ					ḉ
Kigelia			ḉ ḉḉḉ	ḉ ḉḉḉ		ḉ ḉḉḉ	ḉ ḉḉḉ	ḉ ḉḉḉ
ADLaM Display						ḉ	ḉ	ḉ

	2017	2018	2019	2020	2021	2022	2023	2024
CAPITAL LETTER RA (U+1E908)								
Noto	ᵂ ᵂᵂᵂ		ᵂ ᵂᵂᵂ					
Ebrima		ᵂ	ᵂ					ᵂ
Kigelia			ᵂ ᵂᵂᵂ	ᵂ ᵂᵂᵂ		ᵂ ᵂᵂᵂ	ᵂ ᵂᵂᵂ	ᵂ ᵂᵂᵂ
ADLaM Display						ᵂ	ᵂ	ᵂ
SMALL LETTER RA (U+1E92A)								
Noto	ᵂ ᵂᵂᵂ		ᵂ ᵂᵂᵂ					
Ebrima		ᵂ	ᵂ					ᵂ
Kigelia			ᵂ ᵂᵂᵂ	ᵂ ᵂᵂᵂ		ᵂ ᵂᵂᵂ	ᵂ ᵂᵂᵂ	ᵂ ᵂᵂᵂ
ADLaM Display						ᵂ	ᵂ	ᵂ
CAPITAL LETTER E (U+1E909)								
Noto	ᵃ ᵃᵃᵃ		ᵃ ᵃᵃᵃ					
Ebrima		ᵃ	ᵃ					ᵃ
Kigelia			ᵃ ᵃᵃᵃ	ᵃ ᵃᵃᵃ		ᵃ ᵃᵃᵃ	ᵃ ᵃᵃᵃ	ᵃ ᵃᵃᵃ
ADLaM Display						ᵃ	ᵃ	ᵃ
SMALL LETTER E (U+1E92B)								
Noto	ᵃ ᵃᵃᵃ		ᵃ ᵃᵃᵃ					
Ebrima		ᵃ	ᵃ					ᵃ
Kigelia			ᵃ ᵃᵃᵃ	ᵃ ᵃᵃᵃ		ᵃ ᵃᵃᵃ	ᵃ ᵃᵃᵃ	ᵃ ᵃᵃᵃ
ADLaM Display						ᵃ	ᵃ	ᵃ
CAPITAL LETTER FA (U+1E90A)								
Noto	ᵄ ᵄᵄᵄ		ᵄ ᵄᵄᵄ					
Ebrima		ᵄ	ᵄ					ᵄ
Kigelia			ᵄ ᵄᵄᵄ	ᵄ ᵄᵄᵄ		ᵄ ᵄᵄᵄ	ᵄ ᵄᵄᵄ	ᵄ ᵄᵄᵄ
ADLaM Display						ᵄ	ᵄ	ᵄ
SMALL LETTER FA (U+1E92C)								
Noto	ᵄ ᵄᵄᵄ		ᵄ ᵄᵄᵄ					
Ebrima		ᵄ	ᵄ					ᵄ
Kigelia			ᵄ ᵄᵄᵄ	ᵄ ᵄᵄᵄ		ᵄ ᵄᵄᵄ	ᵄ ᵄᵄᵄ	ᵄ ᵄᵄᵄ
ADLaM Display						ᵄ	ᵄ	ᵄ
CAPITAL LETTER I (U+1E90B)								
Noto	ᵅ ᵅᵅᵅ		ᵅ ᵅᵅᵅ					
Ebrima		ᵅ	ᵅ					ᵅ
Kigelia			ᵅ ᵅᵅᵅ	ᵅ ᵅᵅᵅ		ᵅ ᵅᵅᵅ	ᵅ ᵅᵅᵅ	ᵅ ᵅᵅᵅ
ADLaM Display						ᵅ	ᵅ	ᵅ
SMALL LETTER I (U+1E92D)								
Noto	ᵅ ᵅᵅᵅ		ᵅ ᵅᵅᵅ					
Ebrima		ᵅ	ᵅ					ᵅ
Kigelia			ᵅ ᵅᵅᵅ	ᵅ ᵅᵅᵅ		ᵅ ᵅᵅᵅ	ᵅ ᵅᵅᵅ	ᵅ ᵅᵅᵅ
ADLaM Display						ᵅ	ᵅ	ᵅ

	2017	2018	2019	2020	2021	2022	2023	2024
CAPITAL LETTER O (U+1E90C)								
Noto	ᵐ ᵐᵐᵐ		ᵐ ᵐᵐᵐ					
Ebrima		ᵐ	ᵐ					ᵐ
Kigelia			ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ		ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ
ADLaM Display						ᵐ	ᵐ	ᵐ
SMALL LETTER O (U+1E92E)								
Noto	ᵐ ᵐᵐᵐ		ᵐ ᵐᵐᵐ					
Ebrima		ᵐ	ᵐ					ᵐ
Kigelia			ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ		ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ
ADLaM Display						ᵐ	ᵐ	ᵐ
CAPITAL LETTER DHA (U+1E90D)								
Noto	ᵐ ᵐᵐᵐ		ᵐ ᵐᵐᵐ					
Ebrima		ᵐ	ᵐ					ᵐ
Kigelia			ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ		ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ
ADLaM Display						ᵐ	ᵐ	ᵐ
SMALL LETTER DHA (U+1E92F)								
Noto	ᵐ ᵐᵐᵐ		ᵐ ᵐᵐᵐ					
Ebrima		ᵐ	ᵐ					ᵐ
Kigelia			ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ		ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ
ADLaM Display						ᵐ	ᵐ	ᵐ
CAPITAL LETTER YHE (U+1E90E)								
Noto	ᵐ ᵐᵐᵐ		ᵐ ᵐᵐᵐ					
Ebrima		ᵐ	ᵐ					ᵐ
Kigelia			ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ		ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ
ADLaM Display						ᵐ	ᵐ	ᵐ
SMALL LETTER YHE (U+1E930)								
Noto	ᵐ ᵐᵐᵐ		ᵐ ᵐᵐᵐ					
Ebrima		ᵐ	ᵐ					ᵐ
Kigelia			ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ		ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ
ADLaM Display						ᵐ	ᵐ	ᵐ
CAPITAL LETTER WAW (U+1E90F)								
Noto	ᵐ ᵐᵐᵐ		ᵐ ᵐᵐᵐ					
Ebrima		ᵐ	ᵐ					ᵐ
Kigelia			ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ		ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ
ADLaM Display						ᵐ	ᵐ	ᵐ
SMALL LETTER WAW (U+1E931)								
Noto	ᵐ ᵐᵐᵐ		ᵐ ᵐᵐᵐ					
Ebrima		ᵐ	ᵐ					ᵐ
Kigelia			ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ		ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ	ᵐ ᵐᵐᵐ
ADLaM Display						ᵐ	ᵐ	ᵐ

	2017	2018	2019	2020	2021	2022	2023	2024
CAPITAL LETTER NUN (U+1E910)								
Noto	Მ ᲛᲛᲛ		Მ ᲛᲛᲛ					
Ebrima		Მ	Მ					Მ
Kigelia			Მ ᲛᲛᲛ	Მ ᲛᲛᲛ		Მ ᲛᲛᲛ	Მ ᲛᲛᲛ	Მ ᲛᲛᲛ
ADLaM Display						Მ	Მ	Მ
SMALL LETTER NUN (U+1E932)								
Noto	Მ ᲛᲛᲛ		Მ ᲛᲛᲛ					
Ebrima		Მ	Მ					Მ
Kigelia			Მ ᲛᲛᲛ	Მ ᲛᲛᲛ		Მ ᲛᲛᲛ	Მ ᲛᲛᲛ	Მ ᲛᲛᲛ
ADLaM Display						Მ	Მ	Მ
CAPITAL LETTER KAF (U+1E911)								
Noto	Პ ᲞᲞᲞ		Პ ᲞᲞᲞ					
Ebrima		Პ	Პ					Პ
Kigelia			Პ ᲞᲞᲞ	Პ ᲞᲞᲞ		Პ ᲞᲞᲞ	Პ ᲞᲞᲞ	Პ ᲞᲞᲞ
ADLaM Display						Პ	Პ	Პ
SMALL LETTER KAF (U+1E933)								
Noto	Პ ᲞᲞᲞ		Პ ᲞᲞᲞ					
Ebrima		Პ	Პ					Პ
Kigelia			Პ ᲞᲞᲞ	Პ ᲞᲞᲞ		Პ ᲞᲞᲞ	Პ ᲞᲞᲞ	Პ ᲞᲞᲞ
ADLaM Display						Პ	Პ	Პ
CAPITAL LETTER YA (U+1E912)								
Noto	Ლ ᲚᲚᲚ		Ლ ᲚᲚᲚ					
Ebrima		Ლ	Ლ					Ლ
Kigelia			Ლ ᲚᲚᲚ	Ლ ᲚᲚᲚ		Ლ ᲚᲚᲚ	Ლ ᲚᲚᲚ	Ლ ᲚᲚᲚ
ADLaM Display						Ლ	Ლ	Ლ
SMALL LETTER YA (U+1E934)								
Noto	Ლ ᲚᲚᲚ		Ლ ᲚᲚᲚ					
Ebrima		Ლ	Ლ					Ლ
Kigelia			Ლ ᲚᲚᲚ	Ლ ᲚᲚᲚ		Ლ ᲚᲚᲚ	Ლ ᲚᲚᲚ	Ლ ᲚᲚᲚ
ADLaM Display						Ლ	Ლ	Ლ
CAPITAL LETTER U (U+1E913)								
Noto	Პ ᲞᲞᲞ		Პ ᲞᲞᲞ					
Ebrima		Პ	Პ					Პ
Kigelia			Პ ᲞᲞᲞ	Პ ᲞᲞᲞ		Პ ᲞᲞᲞ	Პ ᲞᲞᲞ	Პ ᲞᲞᲞ
ADLaM Display						Პ	Პ	Პ
SMALL LETTER U (U+1E935)								
Noto	Პ ᲞᲞᲞ		Პ ᲞᲞᲞ					
Ebrima		Პ	Პ					Პ
Kigelia			Პ ᲞᲞᲞ	Პ ᲞᲞᲞ		Პ ᲞᲞᲞ	Პ ᲞᲞᲞ	Პ ᲞᲞᲞ
ADLaM Display						Პ	Პ	Პ

	2017	2018	2019	2020	2021	2022	2023	2024
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CAPITAL LETTER JIIM (U+1E914)

Noto	Პ ᲟᲟᲟ		Რ ᲡᲡᲡ					
Ebrima		Რ	Ს					Ს
Kigelia			Რ ᲡᲡᲡ	Ს ᲡᲡᲡ		Ს ᲡᲡᲡ	Ს ᲡᲡᲡ	Ს ᲡᲡᲡ
ADLaM Display						Ს	Ს	Ს

SMALL LETTER JIIM (U+1E936)

Noto	Უ ᲤᲤᲤ		Ქ ᲦᲦᲦ					
Ebrima		Ქ	Ღ					Ღ
Kigelia			Ქ ᲦᲦᲦ	Ღ ᲦᲦᲦ		Ქ ᲦᲦᲦ	Ღ ᲦᲦᲦ	Ღ ᲦᲦᲦ
ADLaM Display						Ქ	Ქ	Ქ

CAPITAL LETTER CHI (U+1E915)

Noto	Შ ᲩᲩᲩ		Ც ᲫᲫᲫ					
Ebrima		Შ	Ც					Ც
Kigelia			Შ ᲩᲩᲩ	Ჩ ᲩᲩᲩ		Შ ᲩᲩᲩ	Ჩ ᲩᲩᲩ	Ჩ ᲩᲩᲩ
ADLaM Display						Შ	Შ	Შ

SMALL LETTER CHI (U+1E937)

Noto	Წ ᲭᲭᲭ		Ჯ ᲰᲰᲰ					
Ebrima		Წ	Ჯ					Ჯ
Kigelia			Წ ᲭᲭᲭ	Ჭ ᲭᲭᲭ		Წ ᲭᲭᲭ	Ჭ ᲭᲭᲭ	Ჭ ᲭᲭᲭ
ADLaM Display						Წ	Წ	Წ

CAPITAL LETTER HA (U+1E916)

Noto	Ჸ ᲹᲹᲹ		᲻ ᲼᲼᲼					
Ebrima		Ჸ	᲻					᲻
Kigelia			Ჸ ᲹᲹᲹ	Ჹ ᲹᲹᲹ		Ჸ ᲹᲹᲹ	Ჹ ᲹᲹᲹ	Ჹ ᲹᲹᲹ
ADLaM Display						Ჸ	Ჸ	Ჸ

SMALL LETTER HA (U+1E938)

Noto	Ჺ ᲻᲻᲻		Ჽ ᲾᲾᲾ					
Ebrima		Ჺ	Ჽ					Ჽ
Kigelia			Ჺ ᲻᲻᲻	᲻ ᲻᲻᲻		Ჺ ᲻᲻᲻	᲻ ᲻᲻᲻	᲻ ᲻᲻᲻
ADLaM Display						Ჺ	Ჺ	Ჺ

CAPITAL LETTER QAAF (U+1E917)

Noto	᲼ ᲽᲽᲽ		Ჿ ᳀᳀᳀					
Ebrima		Ჿ	᳀					᳀
Kigelia			Ჿ ᲽᲽᲽ	᳀ ᳀᳀᳀		Ჿ ᲽᲽᲽ	᳀ ᲽᲽᲽ	᳀ ᲽᲽᲽ
ADLaM Display						Ჿ	᳀	᳀

SMALL LETTER QAAF (U+1E939)

Noto	Ჾ ᲿᲿᲿ		᳂ ᳃᳃᳃					
Ebrima		Ჾ	᳂					᳂
Kigelia			Ჾ ᲿᲿᲿ	᳂ ᳃᳃᳃		Ჾ ᲿᲿᲿ	᳂ ᲿᲿᲿ	᳂ ᲿᲿᲿ
ADLaM Display						Ჾ	᳂	᳂

	2017	2018	2019	2020	2021	2022	2023	2024
CAPITAL LETTER GA (U+1E918)								
Noto	Ḃ ḂḂḂ		Ḅ ḄḄḄ					
Ebrima		Ḅ	Ḅ					Ḅ
Kigelia			Ḅ ḄḄḄ	Ḅ ḄḄḄ		Ḅ ḄḄḄ	Ḅ ḄḄḄ	Ḅ ḄḄḄ
ADLaM Display						Ḅ	Ḅ	Ḅ
SMALL LETTER GA (U+1E93A)								
Noto	ḃ ḃḃḃ		ḅ ḅḅḅ					
Ebrima		ḅ	ḅ					ḅ
Kigelia			ḅ ḅḅḅ	ḅ ḅḅḅ		ḅ ḅḅḅ	ḅ ḅḅḅ	ḅ ḅḅḅ
ADLaM Display						ḅ	ḅ	ḅ
CAPITAL LETTER NYA (U+1E919)								
Noto	Ḡ ḠḠḠ		Ḣ ḢḢḢ					
Ebrima		Ḣ	Ḣ					Ḣ
Kigelia			Ḣ ḢḢḢ	Ḣ ḢḢḢ		Ḣ ḢḢḢ	Ḣ ḢḢḢ	Ḣ ḢḢḢ
ADLaM Display						Ḣ	Ḣ	Ḣ
SMALL LETTER NYA (U+1E93B)								
Noto	ḡ ḡḡḡ		ḣ ḣḣḣ					
Ebrima		ḣ	ḣ					ḣ
Kigelia			ḣ ḣḣḣ	ḣ ḣḣḣ		ḣ ḣḣḣ	ḣ ḣḣḣ	ḣ ḣḣḣ
ADLaM Display						ḣ	ḣ	ḣ
CAPITAL LETTER TU (U+1E91A)								
Noto	Ṁ ṀṀṀ		Ṃ ṂṂṂ					
Ebrima		Ṃ	Ṃ					Ṃ
Kigelia			Ṃ ṂṂṂ	Ṃ ṂṂṂ		Ṃ ṂṂṂ	Ṃ ṂṂṂ	Ṃ ṂṂṂ
ADLaM Display						Ṃ	Ṃ	Ṃ
SMALL LETTER TU (U+1E93C)								
Noto	ṁ ṁṁṁ		ṃ ṃṃṃ					
Ebrima		ṃ	ṃ					ṃ
Kigelia			ṃ ṃṃṃ	ṃ ṃṃṃ		ṃ ṃṃṃ	ṃ ṃṃṃ	ṃ ṃṃṃ
ADLaM Display						ṃ	ṃ	ṃ
CAPITAL LETTER NHA (U+1E91B)								
Noto	Ṇ ṆṆṆ		Ṱ ṰṰṰ					
Ebrima		Ṱ	Ṱ					Ṱ
Kigelia			Ṱ ṰṰṰ	Ṱ ṰṰṰ		Ṱ ṰṰṰ	Ṱ ṰṰṰ	Ṱ ṰṰṰ
ADLaM Display						Ṱ	Ṱ	Ṱ
SMALL LETTER NHA (U+1E93D)								
Noto	ṅ ṅṅṅ		ṱ ṱṱṱ					
Ebrima		ṱ	ṱ					ṱ
Kigelia			ṱ ṱṱṱ	ṱ ṱṱṱ		ṱ ṱṱṱ	ṱ ṱṱṱ	ṱ ṱṱṱ
ADLaM Display						ṱ	ṱ	ṱ

	2017	2018	2019	2020	2021	2022	2023	2024
CAPITAL LETTER VA (U+1E91C)								
Noto	Ვ ᲕᲕᲕ		Ვ ᲕᲕᲕ					
Ebrima		Ვ	Ვ					Ვ
Kigelia			Ვ ᲕᲕᲕ	Ვ ᲕᲕᲕ		Ვ ᲕᲕᲕ	Ვ ᲕᲕᲕ	Ვ ᲕᲕᲕ
ADLaM Display						Ვ	Ვ	Ვ
SMALL LETTER VA (U+1E93E)								
Noto	Ვ ᲕᲕᲕ		Ვ ᲕᲕᲕ					
Ebrima		Ვ	Ვ					Ვ
Kigelia			Ვ ᲕᲕᲕ	Ვ ᲕᲕᲕ		Ვ ᲕᲕᲕ	Ვ ᲕᲕᲕ	Ვ ᲕᲕᲕ
ADLaM Display						Ვ	Ვ	Ვ
CAPITAL LETTER KHA (U+1E91D)								
Noto	ᲕᲗ ᲕᲗᲕᲗ		ᲕᲗ ᲕᲗᲕᲗ					
Ebrima		ᲕᲗ	ᲕᲗ					ᲕᲗ
Kigelia			ᲕᲗ ᲕᲗᲕᲗ	ᲕᲗ ᲕᲗᲕᲗ		ᲕᲗ ᲕᲗᲕᲗ	ᲕᲗ ᲕᲗᲕᲗ	ᲕᲗ ᲕᲗᲕᲗ
ADLaM Display						ᲕᲗ	ᲕᲗ	ᲕᲗ
SMALL LETTER KHA (U+1E93F)								
Noto	ᲕᲗ ᲕᲗᲕᲗ		ᲕᲗ ᲕᲗᲕᲗ					
Ebrima		ᲕᲗ	ᲕᲗ					ᲕᲗ
Kigelia			ᲕᲗ ᲕᲗᲕᲗ	ᲕᲗ ᲕᲗᲕᲗ		ᲕᲗ ᲕᲗᲕᲗ	ᲕᲗ ᲕᲗᲕᲗ	ᲕᲗ ᲕᲗᲕᲗ
ADLaM Display						ᲕᲗ	ᲕᲗ	ᲕᲗ
CAPITAL LETTER GBE (U+1E91E)								
Noto	ᲕᲘ ᲕᲘᲕᲘ		ᲕᲘ ᲕᲘᲕᲘ					
Ebrima		ᲕᲘ	ᲕᲘ					ᲕᲘ
Kigelia			ᲕᲘ ᲕᲘᲕᲘ	ᲕᲘ ᲕᲘᲕᲘ		ᲕᲘ ᲕᲘᲕᲘ	ᲕᲘ ᲕᲘᲕᲘ	ᲕᲘ ᲕᲘᲕᲘ
ADLaM Display						ᲕᲘ	ᲕᲘ	ᲕᲘ
SMALL LETTER GBE (U+1E940)								
Noto	ᲕᲘ ᲕᲘᲕᲘ		ᲕᲘ ᲕᲘᲕᲘ					
Ebrima		ᲕᲘ	ᲕᲘ					ᲕᲘ
Kigelia			ᲕᲘ ᲕᲘᲕᲘ	ᲕᲘ ᲕᲘᲕᲘ		ᲕᲘ ᲕᲘᲕᲘ	ᲕᲘ ᲕᲘᲕᲘ	ᲕᲘ ᲕᲘᲕᲘ
ADLaM Display						ᲕᲘ	ᲕᲘ	ᲕᲘ
CAPITAL LETTER ZAL (U+1E91F)								
Noto	ᲕᲙ ᲕᲙᲕᲙ		ᲕᲙ ᲕᲙᲕᲙ					
Ebrima		ᲕᲙ	ᲕᲙ					ᲕᲙ
Kigelia			ᲕᲙ ᲕᲙᲕᲙ	ᲕᲙ ᲕᲙᲕᲙ		ᲕᲙ ᲕᲙᲕᲙ	ᲕᲙ ᲕᲙᲕᲙ	ᲕᲙ ᲕᲙᲕᲙ
ADLaM Display						ᲕᲙ	ᲕᲙ	ᲕᲙ
SMALL LETTER ZAL (U+1E941)								
Noto	ᲕᲙ ᲕᲙᲕᲙ		ᲕᲙ ᲕᲙᲕᲙ					
Ebrima		ᲕᲙ	ᲕᲙ					ᲕᲙ
Kigelia			ᲕᲙ ᲕᲙᲕᲙ	ᲕᲙ ᲕᲙᲕᲙ		ᲕᲙ ᲕᲙᲕᲙ	ᲕᲙ ᲕᲙᲕᲙ	ᲕᲙ ᲕᲙᲕᲙ
ADLaM Display						ᲕᲙ	ᲕᲙ	ᲕᲙ

	2017	2018	2019	2020	2021	2022	2023	2024
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CAPITAL LETTER KPO (U+1E920)

Noto	ᐅ ᐅᐅᐅ		ᐅ ᐅᐅᐅ					
Ebrima		ᐅ	ᐅ					ᐅ
Kigelia			ᐅ ᐅᐅᐅ	ᐅ ᐅᐅᐅ		ᐅ ᐅᐅᐅ	ᐅ ᐅᐅᐅ	ᐅ ᐅᐅᐅ
ADLaM Display						ᐅ	ᐅ	ᐅ

SMALL LETTER KPO (U+1E942)

Noto	ᐅ ᐅᐅᐅ		ᐅ ᐅᐅᐅ					
Ebrima		ᐅ	ᐅ					ᐅ
Kigelia			ᐅ ᐅᐅᐅ	ᐅ ᐅᐅᐅ		ᐅ ᐅᐅᐅ	ᐅ ᐅᐅᐅ	ᐅ ᐅᐅᐅ
ADLaM Display						ᐅ	ᐅ	ᐅ

CAPITAL LETTER SHA (U+1E921)

Noto	ᐃ ᐃᐃᐃ		ᐃ ᐃᐃᐃ					
Ebrima		ᐃ	ᐃ					ᐃ
Kigelia			ᐃ ᐃᐃᐃ	ᐃ ᐃᐃᐃ		ᐃ ᐃᐃᐃ	ᐃ ᐃᐃᐃ	ᐃ ᐃᐃᐃ
ADLaM Display						ᐃ	ᐃ	ᐃ

SMALL LETTER SHA (U+1E943)

Noto	ᐃ ᐃᐃᐃ		ᐃ ᐃᐃᐃ					
Ebrima		ᐃ	ᐃ					ᐃ
Kigelia			ᐃ ᐃᐃᐃ	ᐃ ᐃᐃᐃ		ᐃ ᐃᐃᐃ	ᐃ ᐃᐃᐃ	ᐃ ᐃᐃᐃ
ADLaM Display						ᐃ	ᐃ	ᐃ

DIGITS (U+1E950 - U+1E959)

Noto	ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅ		ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅ					
Ebrima		ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅ	ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅ					ᐅᐅᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅ
Kigelia			ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅ	ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅ		ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅ	ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅ	ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅ
ADLaM Display						ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅ	ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅ	ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅ

NASALIZATION MARK (U+1E94B)

Noto			ᐅᐅᐅᐅ					
Ebrima			ᐅᐅᐅᐅ					ᐅᐅᐅᐅ
Kigelia			ᐅᐅᐅᐅ	ᐅᐅᐅᐅ		ᐅᐅᐅᐅ	ᐅᐅᐅᐅ	ᐅᐅᐅᐅ
ADLaM Display						ᐅᐅᐅᐅ	ᐅᐅᐅᐅ	ᐅᐅᐅᐅ