

AGLIF N USELMED UNNIG D UNADI USSNAN  
TASDAWIT LMULUD AT-MÆEMMER N TIZI-UZZU  
TAZEDDAYT N TSEKLIWIN D TUTLAYIN  
AGEZDU N TSEKLIWIN D TUTLAYIN



UṬṬUN N UMSEḌFER :

UṬṬUN N USNAY :

AKATAY N TAGGARA N USWIR N LMASTER  
DEG TUTLAYT D YIDLES N TMAZIṬ

TAYULT: TUTLAYT D YIDLES AMAZIṬ

TANGA: TAZRAWT TASNILSANT N TMAZIṬ

TAFERNA: TASNILEST

## ASENTEL

**Tasleḡt tarakalt tasnilsant n uktawal n wallalen n ufexxar di temnaḡt n  
Leqbayel**

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Laboratoire d'aménagement et d'enseignement de la langue amazighe



# ASENEMMER

*Ad nar tajmilt tameqqrant i wid akk yezggan s idisen-ntey ladya « Massa  
Hocine Malika »*

*Ad as-nini tanemmirt tameqqrant yef ufus n lemɛawna i ay-d-tefka.*

*Tanemmirt tameqqrant i yimsekyaden ara d-yefken tamuɣli-n sen yef umahil-agi-  
ntey.*

*Tanemmirt tameqqrant i yimawlan-ntey ezizen s teɣzi n lemɛmer-n sen.*

*Tanemmirt tameqqrant i yemsuɣa d tmusniwin mbla cceḥa i ay-iɛawnen akken  
nsawed ad neggar tazrewt-agi-ntey.*

# *Abuddu*

*Ad buddey tazrawt-agi:*

*I yemma d baba, ad yessey zef Rebbi di lemer-nsen.*

*I yessetma Ġeġġiga, Samia d urgaz-is,*

*Hakima d urgaz-is,*

*Lamia d wexdib-is,*

*I watmaten-iw Hakim d Vilas .*

*I Yemddukal-iw Hakima, Wassila, Nawal, Kahina, Hemza*

*I tin akked cerkey axeddim-agi Elġiya d twacult-is.*

*I twacult-iw I merra ama d xwali ama d emumi.*

*I yimsulya nesteqsa.*

*I kja n wid I d-yefkan afus n lemeawna ama si lqerb ama si lbeed*

*Nadjia*

# *Abuddu*

*Ad buddey tazrawt-agi:*

*I yemma d baba ezizen, ad yessey zef Rebbi di lemer-nsen.*

*I wetma Dalila.*

*I watmaten-iw Xaled, Yasin, Maziy, Elilu.*

*I temddukaliw Hakima, Wassila, Nawal.*

*I tin akked cerkey axeddim-agi Nağiya d twacult-is.*

*I twacult-iw I merra ama d xwali ama d emumi.*

*I yemsulya I nesteqsa.*

*I kra n wid I d-yefkan afus n lemeawna ama si lqarb ama si lbaed.*

*Aldjia*

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## **Tisegzal**

**Atg:** ar tagara

**Md:** amedya

**Ml:** amalay

**Nt:** unti

**Sf:** asuf

**Izamulen :**

**Ø :** ulac

*Tazwart tamatut*

Tutlayt n tmaziyt d tutlayt n tyemmat, d tutlayt tamarkanit deg umawal, d nettat i d aqjmur n yal azar, yis-s i tetmsawaden yemdanen tiktiwin-nsen, tettef-d atas n tmura n tefriqt n ugafa rnu ar yur-s tebda yef watas n tantaliyin ad d-nebder seg-sent: taqbaylit, tacawit, tachelhit, tamzabit, tacenwit, tatergit...atg. Tantala taqbaylit tebda yef watas n tmeslayin yemgaraden si temnaqt yer tayed. Di kra n temnaqn seqdacen kra n wawalen ulac-iten anda nniden ney qqaren-ten akken nniden ama deg ususu ama deg talya, Amur ameqqran n wid yettmeslayen tamaziyt di Lezzayer d Leqbayel, akken id-yenna S. CHAKER : « *yettwahseb amdan n yimezday n tutlayt taqbaylit 2/3 seg yimsiwlen n tutlayt tamaziyt deg lezzayer. Di tesnamurt, tamurt n leqbayel d tamectuht teđer atas,tehri n 200 kilumitr* »<sup>1</sup>

Yal tamnaqt tetmeslay s tantala-ines, yal tamnaqt temgarad yef tayed, amgired-agi yettili-d ama di talya, anamek, amawal d ususu d anect-a id-igellun s wayen i wumi qqaren tamdawit.Fer Duboi J: « *Tamdawit d amgired yettilin deg tutlayt ama deg temsiselt, tasnalya d umawal akken tezmer ad tili temdawit gar yimdanen deg yiwet n temnaqt, gar temnaqn seg tallit yer tayed* »<sup>2</sup>.

Tamurt n leqbayel tettwassen s wallalen n ufexxar imi iqbayliyen sexddamen-ten deg tudert-nsen n yal ass, ama zik ama deg lawan-agi anda nella tura, d acu kan allalen-agi ttwableden ney nezmer ad d-nini snulfan-d imaynuten ad yeddun deg lwaqt-agi anda nella akka.

Llan kra n wallalen rran-ten yer rrif ur ten-sexdamen ara ladya wid n zik (iqburen) Md: tagergellit, abuseqqi, acbaylu, ahellab, akufi, tabaqit lhamu...atg, llan wiyed rran-ten i cbaħa tcebbihen yis-sen ixxamen-nsen Md : tafeyyact, lmesbah, taqbuct...atg, maca llan wid ar tura mazal seqddacen-ten deg tudert-nsen Md : lmetred, tabaqit, taqessult, taqdirt...atg rnu yer

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<sup>1</sup> CHAKER S. *Un parler berbère d'Algérie(Kabylie) syntaxe, thèse de doctorat*, sous la direction de L. Galand, paris v, 1978, publication université de Provence, 1983, P25 « les populations de la langue kabyle représentent vrai semblablement les 2/3 de l'ensemble des berbérophones d'Algérie. Géographiquement, l'aire d'extention du kabyle est extrêmement réduite : très grossièrement, un quadrilatère de 200 km de large »

<sup>2</sup> DUBOIS J. et al., *Dictionnaire de linguistique, Larousse*, Paris, 1994, p. 504 « On appel variation le phénomène par lequel, dans la pratique courante, une langue déterminée n'est jamais à une époque, dans un lieu et dans un groupe social donnés, identique à ce qu'elle est à une autre époque, dans un autre lieu, dans un autre groupe social ».

waya llan kra n wallalen yella wanda seqddacen-ten yella wanda ur ten-seqddacen ara am zik am tura Md :Tajegrurt, tiberkect, tabaqit n lhamu...atg.

### **1.1 Afran n usentel**

Asentel-nney yebna yef wamek qqaren i wallalen n ufexxar deg temnaḍin n tmurt n laqbayel, nefren-it iwakken ad ten-issin nekkenti di tazwara wa ad ten-d-neḡḡ i tsuta id-iteddun.

Llant kra n tezrawin yettwakhedmen yef usentel-agi, nezmer ad d-nini mebla ugur d akken mači aṭas i yettwaxedmen fell-as. Yef aya nebya ad nkemmel deg ubrid-aki-nsen yeenan tarakalt+ tasnilsant d acu kan nekknti nefren-d 43 n wallalen deg 130 n temnaḍin iwumi nexddem tasleḡt.

Ad n-wali wa ad nekkes amgired yellan si yal tama.

### **1.2 Tamukrist**

Nwala gar temnaḍin yemxalaf amek sawalen i wallalen n ufexxar, imir syen nebda mi d-yenṭaq yiwen nwala d akken itekka yer temnaḍt-nni, mi ara ad iniḍ awal yeweer akken ad ak-id-fahmen, ilaq armi tesfahmeḍ-asen. D anect-a i d ay-yeḡḡan ad nefk kra n yisteqsiyen anda ad nar fell-asen deg tezrawt-a :

- Dacu-ten yeswiren d wanawen deg yemgarad uktawal n yismawen n wallalen n ufexxar di temnaḍin n tmurt n laqbayel ?
- Deg wacu mxalafen ? Ma mxalafen si tama tamsislit d unamek kan? Ney yella umgired si tama n talya d umawal? Ayyer mxalafen?
- Ma d awalen ireṭṭalen ara naf?
- Nezmar ad naf timnaḍin mḡaraben-tt mxalafen-tt? Ney mbaeudent temcabint?

### **1.3 Turdiwin**

Iwakken ad d-nerr yef usastan-a yewwi-d fell-ay ad nesbed kra n turdiwin:

- Ahat deg waṭas n wawalen deg wacu mxalafen.

- Ahat mxalafen deg umawal, anamek, talya, d temsisilt.
- Ahat d abead gar temnaḍin I ten-yeğğan mxalafen.
- Ahat ad d- naf awalen iretṭalen.
- Ahat mxalafen seg tama tamsislit d unamek akken nezmar dayen temcabin.
- Nezmar ad ten-naf kif kif-iten deg umawal d talya akken yezmar ad ilin mxalafen.
- Ahat llan-t kra n temnaḍin xas mbaeadeṭt temcabint. Akken llan-t kra n temnaḍin mḡaraben-t mxalafen-t.

#### **1.4 Iswi n usentel**

Tazrawt-ntey terza amek qqaren i wallalen n ufexxar deg temnaḍin n tmurt Leqbayel, iswi-ines :

- Iwakken ad d-nesmekti wa ad neḡyu allalen-agi d wamek is-neqqren aladya iqburen.
- Asebgen n umgired d umcabi yellan gar-aset (talya, amawal, tamsislit,anamek).
- Yer tama-nniḍen, nettnadi ad d-nawi awalen imaynuten akked yeqburen yettwattun ur nella ara deg umawal yakan.
- I wakken ad ten-neḡrez i tsuta id-iteddun.

**Ixef amezwaru**

**Tizri d Tarrayt n unadi**

Deg uħric-agi, ad d-nmeslay yef umezruy d tbadut n trakalt tasnilsant, syin ad neɛddi yer tiddin d tarrayt n unadi deg unnar, seg-s ad d-nmeslay yef ufran n yidgan, imsulya d wammud.

## 2.1 Kra seg umezruy n trakalt tasnilsant

Tarakalt tasnilsant tettwasen deg tmura tibaraniyin ladiya di lurup, tebda-d deg Fransa d Lalman syen akin tuyal tettwassen ula deg tmura timeqqrarin. Tarakalt tasnilsant d ayen yeenan tazrewt n temɗawit tasnilsant, tettaġa-ay ad nefhem wa ad nessesmel amgired yellan gar inagrawen isnalsiyen ,akken i d-yenna Hassani : « *S lmeena lqayen, tarakalt tasnilsant tettaeraɗ ad d-tessebgen i nettat d wiyed amgired asnilsan ɛla ħsab n tanɗawiyin deg kra n wadeg asnalsan, akken i d-tessunuy tirakalin-nsent. Yettas-d d afurek deg tesnalsit (CHAKER S, 1998 :3059) ney d aħric seg tantaliyin, seg tama nniɗen nezmer ad d-nini yeffey-d di tjerrumt. Deg taggara n lqaren wiss XIX<sup>e</sup> yer tazwara n lqaren XX,<sup>e</sup> tebda tmazagt-agi di lurup, ddaw uşedru n waɗlas n tesnalsiyin timeqqrarin, n tarrayin n Fransa (ALF de GILLIERON et EDMON) d Lalman (WENKER). Aħas n yimahilen i yecban wigi i yennarnan ladiya di Lurup akken i d-yella usbuye n waɗlasen d usetrer-nsen deg tmura timeqqrarin. »<sup>1</sup>*

« *Awal tamrazrayt (géolinguistique) d talya tawezzlant n trakalt tasnilsant. Tikwal tazuri tagejdant tettbedda s talya tagejdant yef tsestant (asefreg n tsestant) i yebnan s talya tamatut yef wawalen (amawal) ney tifyar yettwafarnen, nettwekkid-itent s tsestant n wannar ɛla ħsab n umɗan n wagazen n tsestant-nni (ney idgan-nni). Ad d-yili useelem yef talyiwin yemxalafen d tmusniwin i d-ħawcen di taggara yef tkarɗi. Amahil n trakalt tasnilsant yezmer ad yerr lwelha yer tumanin tsnalsiyin ifazen, am wakken i d-yenna Salem CHAKER : « Ih, yezmer ad yili umahil n trakalt tasnilsant mezzug ugar, yerra lwelha yer tumanin n tesnalest ney tamsislayt ney tamawalt, akken tella diy d tamsalt n usebgen n yidgan d usuney n trukalin ».*

<sup>1</sup> HASSANI Saïd, (24 Novembre 2019), *La variation lexicale et morphosyntaxique à travers les parlers kabyles*, thèse de doctorat, UMMTO, p 38, « Au sens plus large, la géographie linguistique tente de localiser, les unes par rapport aux autres, les variations linguistiques, au sein d'une aire linguistique déterminée et de les cartographier. Cette branche de la linguistique (CHAKER S., 1998 : 3059) ou partie de la dialectologie (DUBOIS J., 1994 : 218-219) est issue d'une certaine manière de la grammaire comparée. À la fin du XIXe siècle et au début du XXe siècle, cette spécialité a pris son essor, en Europe, avec la réalisation des grands atlas linguistique des domaines français (ALF de GILLIERON et EDMONT) et allemands (WENKER). De nombreux travaux de ce type se sont poursuivis surtout en Europe et les atlas se sont enrichis et réactualisés dans les grands pays. »

*Asuney n trukalin yessebgan-d asedger n tamest d usedger n trukalt deg wayen yerzan amgired yellan deg kra n wadeg »<sup>2</sup>.*

## 2.2 Imahilen n trakalt tasnilsant

Deg unnar n tmazya, tarakalt tasnilsant tessea assay d yisem n « André Basset » imi netta i d aqqaru n umahil-agi. Dayen yessea tizrawin s wazal-nsent s sin n yiferdisen igejdanen « *Géographie linguistique de la Kabylie (1929) et Atlas linguistique des parlers berbères (Algérie de nord) (1936/1939)* », rran-d ddeqs n tezrawin i d-sfahmen s telqayt yef sehra d twareg tuget deg-sen yella deg (*Les articles de dialectologie berbères (1959)*). Rnu yer umahil-agi llan imahilen nniđen ad d-nebder seg-sen : M. LAFKIOUI « *Atlas linguistique des variétés berbères du Rif (2007)* », Kh. MADOUY yezrew sdis (6) timnađin n Bgayet « *Etudes de géographie linguistique en petite-Kabylie (1995)* », Malek Boudjellal (2015), yezrew tameslayt n Aris « *Contribution à la géographie linguistique du berbère Chaouïa* ».

Rnu yer waya llan imahilen imecťah ad d-nebder deg-sen : wid yellan deg tesdawit n Lmulud At Mæemmer n Tizi-Uzzu, ddeqs n tezrawin i yettwaxedmen yef taťult-agi n trakalt n tsenilsant. Ad nebdu deg kra n yimagraden akken i myezwaren : S. Chalah « *corpus (linguistique) et cartographie : l'interprétation de certains phénomènes de variation régionale à Tizi-Ouzou (2013)* », B. Byamout « *La variation lexicale des ustensiles de cuisine dans la wilaya de Bejaia(2012)* », S. Bayou « *Variation lexicale en extrême ouest de Kabylie ; approche géolinguistique(2014)* ». S. Hassani « *Base de données kabyles : Corpus, données et*

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<sup>2</sup> Idem, (24 Novembre 2019), « Le terme géolinguistique est la forme abrégée de géographie linguistique (DUBOIS J., 1994 : 221). Habituellement, la technique de base employée s'appuie principalement sur un questionnaire (ou grille d'enquête) qui renferme en générale des lexèmes (vocabulaire) et/ou des phrases choisies et de les vérifier par enquête de terrain sur un certain nombre de points d'enquête (ou localités). Les diverses formes et réalisations obtenues, seront reportées, à la fin, sur des cartes. Le travail de géographie linguistique peut se focaliser, aussi, sur divers phénomènes linguistiques très remarquables comme disait Salem CHAKER : « Bien sûr, le travail de géographie linguistique peut être plus spécialisé et s'intéresser à des phénomènes linguistiques plus précis, phonétiques ou grammaticaux, qu'il s'agira là aussi de localiser et de cartographier (CHAKER S., 1998 : 3059). La cartographie, fait donc apparaître la distribution des variantes et la répartition géographique des variations sur un espace donné. »

*exploitation* (2015) ». R. Boukherrouf, N. Tiziri « *Base de données kabyles : collectes de données et applications. Synchronisation texte / son* (2015) ».

### 2.3 Afran n temnađin n unadi

Ammud-ntey ngemr-it-id seg unnar n tmurt n leqbayel, neđfer taktabt n «Hanoteau Letourneux<sup>3</sup> » d nettat i yellan d ameiwen i wakken ad d-nejmae ammud, acku d netta i ixedmen ak tiqbilin-nni, atas i yellan. Yal taqbilt nețtef deg-s snat n tuđdar maca yella wanda nețtef yiwet n taddart llant tid-akk ulac-iten-t tura ney beddlent amkan :

Taqbilt	Tamnađt
Ait Zmenzer	Bouhinoun
Ait Bou Adou	Ait Maallem
Iltaien	Ait Ouarezdin
Ait Chilmoun	Yanene
Inezliouen	Rouachda
Aoukdal	Ait Toudert
Ait Smail	Bou Noueh
Ait Oussameur	Taourirt Mokran

<sup>3</sup> Adolphe Hanoteau et Artiside Letourneux, 1893, *La-Kabylie-et-les-Coutumes-Kabyles*, p 317-388.

Ait Bou Youcef	Abi Youssef
Ait Itsourar	Ifarhounen
Ait Chenacha	Tadmait
Taourga	Taourga
Ait Slegguem	Chaina
Ait Arif	Ait Arif
Isser ouled Smir	Djinet
Ait Amran	Beni Amran
Izerfiouen	Azefoun
Ammal	Ammal
Bouchenacha	Agueni Gueghran

Nufa-d d akken llant kra n temnađin yer daxel n udlis-a ulac-itent tura, d acu kan nufa-d tiyed ttuyalent yer taqbilt-nni axatar læerc-nni ney taqbilt-nni tbeddel amkan ney bedden-as isem. Timnađin-agi nuratent-id deg tfelwit I d-iteddun s tira tazurant:

<b>Taqbilt</b>	<b>Tamnaɗt</b>	<b>Asebtar</b>
Ibethrounen	<b>Tassadort</b> <b>Ain Meziab</b>	322
Ait Khelifa	Tirmitin <b>Azemour Mariem</b>	323-324
Ighil En Zekri	<b>Zekri</b> Timizar Ahand	331
Ait Bou Rerdane	Ait Hagoun <b>Assi Youcef</b>	340
Ait Khelfoun	Matoussa <b>Chaabet El Aneur</b>	345
Ait Sidi Hemza	Makouda <b>Taazibt</b>	350
Iassekren	<b>Agouni Oufekous</b> Ichtouanen	351
Ait Bou Yousef	<b>Abi Yousef</b>	308-309

Rnu yur-s llant kra n temnađin ulac-itent deg udlis, rnu ulac tiqbilin-nsent :

<b>Temnađin</b>
Lemsellah
Boukharouba
Tala amara
Tala Tgama
Ath Sedka
Azazga
Beni Aissi
Takoucht
Sidi Ali Bounab

Dayen yella-d usester deg yesmawen n temnađin, ad ten-naf mgaraden yismawen-nsent yef wamek i asent-isehma Hanoteou deg tallit tamensayt d tura :

<b>Ismawen n temnađin Zik</b>	<b>Ismawen n temnađin Tura</b>	<b>Asebter</b>
Iadjaben	Adjaba	322
Ait Mouhamed ou Tudert	Ait Toudert	337
Imezzaren	Mezrara	342
Imouttas	Matoussa	345
Ahora	Houra	313
Istiten	Stita	352
Ed-Djennad	Djinet	355
Amnail	Bordj Mnail	358
Abid	Ben Abid	358
Ait Amran	Beni Amran	358-359
Iazzouzen	Azouza	360
Iouanouren	Ouanougha	360

Rnu yer waya llan kra n temnađin ulac-itent nerra deg umkan-nsent tuddar yettafaren timnađin-agi :

<b>Taqbilt</b>	<b>Tamnađt</b>	<b>Taddart</b>	<b>Asebter</b>
El jeur Alemmas	Ait Ikhlef	Ihitoussen	314
Imaraouen Oufella	Tamda El Bladh	Tamda	317
Ait Mahmoud	Taourirt Moussa Ou Ameur	Tizi n Tlaket	318
Maatka	Iheddaden	Takhribt	321-322
Ait khodéa	Ait El Aneur	Hendou	327
Ighil n Zekri	Taaroust	Timzar Ahand	331
Imzalen	Izarouken Tala Tala	Tizi n Tdekkert Ait Tagherbit	346

Dayen Llant kra n temnađin deg udlis d tiqbilin maca nufa-tent tura d timnađin :

<b>Taqbilt</b>	<b>Tamnađt</b>	<b>Asebter</b>
Ihessnaouen	Ihessnaouen	320

Iouadhien	Iouadhien	336
Ait Mendes	Ait Mendes	340-341
Ait Kouffi	Ait Kouffi	341
Ait Khellili	Ait Khellili	334
Tifra	Tifra	349

Nefren-d 130 n temnaḍin tuget deg-sent n tayreft n Tizi Wezzu (115) n temnaḍin ma d (15) i d-yeqqimen n teyreft n Bumerdes acku d tigi i ay-iqarben, syen akin nexddem takerḍa iwakken ad d-nsebgen timnaḍin-agi.

Akken nsawed ad d-nexddem takerḍa-agi nseqdec:

- Asezyan « Google Maps » seg-s i d-nekkes tehri d tzegart n temnaḍin.
- «Microsoft Excel » deg-s i nura timanḍin d tehri d tzegart-nsen-t.
- Asezyan « QGIS 2.8.2 » iwakken ad d-banent temnaḍin yef tkerḍa.

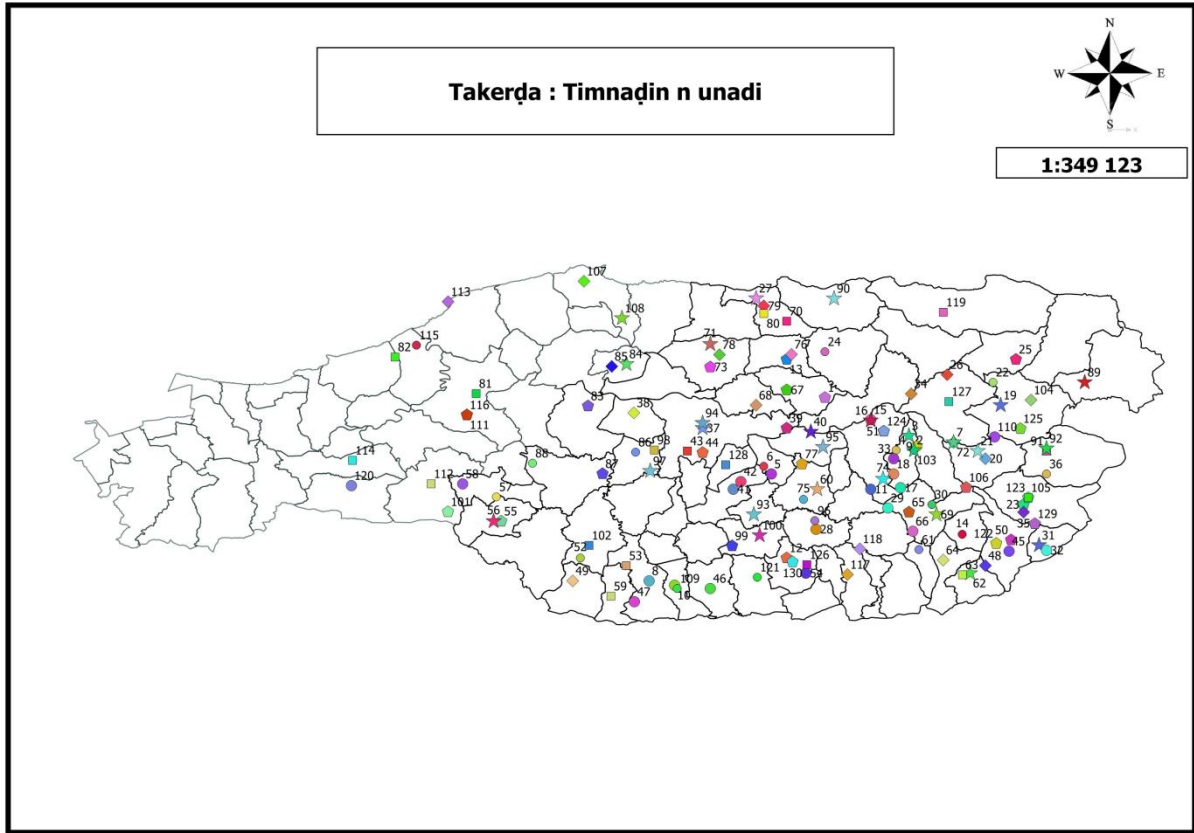
« QGIS 2.8.2 »: d asezyan SIG (anagraw n talɣut tarakalt), yeffey-d s yisem n GPL. Yebda asnarni, deg mayyu 2002, yeffey-d d asenfar deg Source Forge deg yunyu 2002. Yeqqim s yisem n Quantum GIS almi d ctember 2013<sup>4</sup>. Ad t-naf deg:

<http://www.qgis.org/fr/site/forusers/download.html>.

<sup>4</sup> <http://fr.m.wikipedia.org/wiki/QGIS> « QGIS est un logiciel SIG (Système d'Information Géographique) libre et multiplate-forme publié sous licence GPL. Le développement a débute en mai 2002 et es t sorti en tant que projet sur Source Forge en juin 2002. Il était également appelé aussi Quantum GIS jusqu'en septembre 2013. Accessible et téléchargeable gratuitement via internet sur le site web :

<http://www.qgis.org/fr/site/forusers/download.html>.»

2.4 Takerða i d-yemmalen timnaðin n unadi



Takerða i d-yemmalen timnaðin n unadi 1

Asegzi n tkerɗa				
● Aafir	● Ait Khir	■ Bordj Menaiel	● Ihassenaouen	★ Taourga
● Abi Yousef	● Ait Lahcen	■ Bou Aoun	● Illalen	★ Taourirt Bouar
● Abizar	● Ait Lahcene	■ Bou Noueh	● Iouadhien	★ Taourirt Mokran
● Adeni	● Ait Maallem	■ Boughni	● Isseradjen	★ Tassadort
● Adjaba	● Ait Mendes	■ Bouhinoun	● Izarazen	★ Tawrirt Abd allah
● Agouni Oufekous	● Ait Messaoud	■ Boukharouba	● Izeraratene	★ Tazibt
● Agouni Teslent	● Ait Ouarezdin	■ Chaabet El Aneur	● Lemsellah	★ Tazrart
● Aguemmoun	● Ait Ouassif	■ Chaina	● Makouda	★ Tifilkout
● Agueni Gueghran	● Ait Salah	■ Cheurfa	● Matoussa	★ Tifra
● Ain Bellil	● Ait Toudert	■ Dar Rabah	● Mayach	★ Tifrit-N-Ath Ou Malek
● Ain Meziab	● Amekrez	■ Djinet	● Mezrara	★ Tighilt Bouksas
● Ain Zaouia	● Ammal	■ Draa Ben Khedda	● Ouanougha	★ Tigounathin
● Ait Aicha	● Aourir Bouzemour	■ Frikat	● Rouachda	★ Tigulmamin
● Ait Aissi	● Assi Youcef	■ Hendou	● Sidi Ali Bounab	★ Tigzirt
● Ait Ali	● Ath kouffi	■ Houra	● Stita	★ Timizar Ahand
● Ait Arif	● Ath Sedka	■ Iaattafen	● Tadmait	★ Tirmitin
● Ait Atella	● Azaib	■ Ibakuken	● Tagherbit	★ Tizeghouine
● Ait Bou Abd er-Rahman	■ Azazga	■ Iboudraren	● Tahanouts	★ Tizi Hibel
● Ait Bou Yahia	■ Azefoun	■ Ichikar	● Taka	★ Tizi Ouzou
● Ait Haggoun	■ Azmour Mariem	■ Ichouanen	● Takhribt	★ Tizi rached
● Ait Halli	■ Azouza	■ Ifarhounen	● Takoucht	★ Tizi Tdekkart
● Ait Hellal	■ Azra	■ Ifigha	● Tala amara	★ Tizi-n-Telakht
● Ait Hichem	■ Azrou Ait Illiliten	■ Ighil N'Bil	● Tala Athman	★ Yakouren
● Ait Imghour	■ Ben Abid	■ Igounan Aneur	● Tala mimoun	★ Yannene
● Ait Khelili	■ Beni Aissi	■ Ihadriin	● Tala Tegana	★ Zekri
	■ Beni Amrane	■ Ihaitousen	● Tala Tgama	
			★ Tamda	

Takerɗa temmal-ay-d timnaɗin anda i d-nejmae ammud, deg-s nettef (130) n temnaɗin deg snat n teyraf « Tizi Wezzu, Bumerdas ».

Deg tayreft n Tizi Wezzu nettef tuget n temnaɗin (115) (Tigulmamin, Makouda, Tazibt, Takhribt Tigounatin, Adjaba, Tassadort, Ain Meziab, Houra, Ighil N'Bil, Ait Mendas, Ait Haggoun, Assi Youcef, Ait Imghour, Ihassenaouen, Yannene, Zekri, Ifigha, Izarazen, Tala Tegana, Amekrez, Ait Saleh, Taourirt Bouar, Ait Aicha, Tizi Ouzou, Dra Ben Khedda, Ait Bou Yahia, Ait Hellal, Ait Lahcene, Bouhinoun, Ath Kouffi, Ihadriin, Frikat, Mezrara, Rouachda, Ain Zaouia, Ait Tagherbit, Tizi Tdekkart, Ait Ali, Ait Messaoud Ou Aissia, Bou Noueh, Taourirt Mokran, Tifra, Azra, Tazrart, Ichouanen, Tadmait, Ait Arif, Illalen, Takoucht, Bou Aoun, Tifrit-N-Ath Ou Malek, Tizi n Tlakheth, Tirmitin, Azmour Mariem, Ait Ouassif, Azefoun, Agueni Gueghran, Sidi Ali Bounab, Ait Atella, Ait Halli, Adeni, Isseradjen, Aafir, Yakouren, Ait Aissi, Abizar, Hendou, Tigzirt, Aourir Bouzemour, Tala Athman, Agouni Teslent, Tamda, Ait Maallem, Bougheni, Ait Toudert, Taka, Abi Youcef, Tighilt Bouksas, Tifilkout, Ifarhounen, Ait Hichem, Tahanouts, Igounan Aneur, Agouni Oufekous, Stita, Ichikar, Cheurfa, Timizar Ahand, Ibakouken, Mayach, Tala Mimoun, Boukharouba, Tala Amara, Tala Tgama, Ath Sedka, Azazga, Ihaitoussen, Azrou Ait Illiliten,

Ait Ouarezdin, Ihassenaouen, Tizi Hibel, Iouadhien, Taourirt Abd Allah, Beni Aissi, Lemsellah, Ait Ahsen, Iaatafen, Azaib, Aguemoun, Ait Khir, Ait Khelili, Tizi Rached).

Ma deg tayreft n Bumerdas nettef (15) n temnađin (Ammal, Chaina, Matoussa, Dar Rabah, Ait Hadj Ali, Tizeghouine, Ouanougha, Azouza, Taourga, Djinet, Bourdj Menaiel, Ben Abid, Ain Bellil, Izeraratene, Beni Amrane).

## 2.5 Imsulya<sup>5</sup>

Ammud-ntey negmer-it-id ɣur yemsulya n tmurt n leqbayel, nefren gar yirgazen d tulawin axaṭar ammud-ntey ur yeeni ara amgired gar lhedra n tmeṭṭut d lhedra n urgaz, yeena amgired yellan gar temnađt d tayed. Nettef imsulya yesen gar 34 d 89 n yiseggasen axaṭar tuget n wid-ak yesen sdaw n 34 n yiseggasen ur sinen ara amek i as-neqqaren i wallalen n ufexxar aladya allalen iqburen.

Yal tamnađt nettef deg-s yiwen umselyu tikwal sin, tuget deg-sen d irgazen acku tulawin ttagadent axaṭar llant kra n temnađin sehjaben, ttagadent irgazen-nsent ney ur seint ara lwaqt ad ay-d-fkent awal. Tikwal ur nettaf ara win ara nesteqsi ɣas ulama nerza yer temnađt-nni, yella wanda ad nesteqsi albaeđ ad yeḥbes deg tlemmast n wawal ur d-yetkemmil ara, dagi yewwi-d fell-ay ad n-nadi umselyu nniđen yef aya nexdem 130 n yimsulya deg tfelwit n wammud acku umselyu amezwaru tikwal ur d-yetkemmil ara, ur ay-d-yettmudu ara yuk ayen nehwağ rnu yer waya ur ay-d-yetmudu ara isem-is d wachal di leemer-is... yef aya nseqdec kan yiwen umselyu di yal tamnađt deg tfelwit n wammud. Rnu yer waya llan wid itteffyen i usentel, llan wid iregglen, llan wid akken kan ad asen-d-nmud tikti yef wammud stehzayen yis-s, lexsas n wassayen n usawed.

## 2.6 Umuy n tuttriwin<sup>6</sup>

Iwakken ad nejmae ammud yewwi-d fell-ay ad nheyyi umuy n tuttriwin.

Umuy n tuttriwin d tagruma n yiseteqsiyen ney tugniwin...atg i yesexddam umsastan akken ad as-yishil ad yejmee ammud-is, yis-s ad yesnarni tamuni-ines. Akken i d-yenna J.Debois :

<sup>5</sup> Ad ten-af deg tmerna tamezwarut.

<sup>6</sup> Ad t-naf deg tmerna tis snat.

« *Deg usastan asnilsan, umuy n tuttriwin d tagrama n yisteqsiyen yettwaqaeden deg-s ad negmer isallen yeenan asemres n tutlayt* »<sup>7</sup>

Nsexdem ummuy d tugniwin acku am mud-agi yeena allalen ufexxar, yebbi-d fell-ay ad d-nawi tugniwin acku llan kra skud ur asen-neskin ara tugna ur taɛqalen ara d acu-t. Kra nekkes-itent-id seg udlis « *Objets de tous les jours Trésors de toujours* »<sup>8</sup>. Kra seg : « <http://lepotiermarseillais.over-blog.com/article-l-art-potier-berbere-une-tres-belle-de-femmes-75618492.html> », « <http://aitouabane.over-blog.com/article-maison-traditionnelle-kabyle-volet4-114552323.html> », kra nsewr-itent-id seg yexxamen iqdimen d « *Maison de l'artisanat tizi ouzou* » .

Llan kra n wallalen ur nufi ara tugna-n sen nsefham-as-d i umselyu s tuqbaylit d acu xedmen yis-s , i wacu i t-sexdamen , amek yexdem ...atg, tikwal xas walan tugna ur taɛqalen ara d acu-t alma nesfehm-asen-tt akken ad t-id-mektin .

## 2.7 Agmar d usenked n wammud<sup>9</sup>

Ammud-agi yebna yef wamek qqaren i wallalen n ufexxar deg temnaɗin n tmurt n leqbayel, deg tazwara ur nufi ara ansi ad d-nawi ney ad d-nejmae allalen-agi acku ulac anwa la ten-iseqdacen tura,nerza yer yexxamen iqdimen I mazal ar tura iwakken ad nejmee allalen iqburen wa ad asen-nexdem tugniwin syen yur-s nerza yer « *l'artisan Tizi Ouzou* » nkemmel-d ayen i d-yeqqimen, nejmee-d azal n 43 n wallalen .

Ammud-agi negmer-it-id seg wayyur n mayyu armi d tagara n wayyur n yunyu yal ass ntteffey yer snat n temnaɗin tikwal yer yiwet imi baedit ur nezmir ara ad nsawed ad nkemmel tin nniden deg yiwen wass, syen akin nkemmel kra n tsastanin deg waggur n yulyu.

<sup>7</sup> DUBOIS J. et al, *Dictionnaire de linguistique*, Larousse, Paris, 1994, p 393 « *Dans l'enquête linguistique, le questionnaire constitue l'ensemble plus ou moins ordonné des questions grâce auxquelles on obtient des informations sur l'usage de la langue* ».

<sup>8</sup> Musée Public National Des Arts Et Traditions Populaires « *Objets de tous les jours Trésors de toujours* », MPNATP ALGER, 2015.

<sup>9</sup> Ad ten-af deg tmerna tamezwarut

Akken ad d-negmer aktawal n wallalen nerza yer temnađin, nezwar-d seg tid-ak ibaeden am: learc n Ait Djennad, Iflisen n lebher, Ouaguenoun, Ait Idjer, Ait Ouarezdin, Irdjen, ait yahia, Aafir, Beni Thour...atg syen yur-s nerza yer tid akk iqarben am : Iflisen Oumellil, Maatka, Tadmait, Tamba, Tala Athman, Ait Khelfoun, Ait Mekla...atg llant kra n temnađin ur nerzi ara yur-sent nestaqsa wid / tid i d-yettasen yer tgemma (jardin) ney (la gare routière) am: Ath Douala, learc n Igouchdal, Ath Sedka...atg.

Mi nesteqsa, nseqdec tazmamt d yimru mi ay-d inin awal nettaru-t-id akken i t-id-nnan (ama s tefransist, taqbaylit, taerabt).

Mi as-neqqim nura-t akken iwata, nura-t s tira i řehđan (tamaziyt) iwakken ad yishil i yimeyri, yer tama-s nura-t s tira timsislit (A P I)<sup>10</sup> I wakken ad iban ususru d umgired deg temsislit.

## 2.8 Tabadut n kra n yifardisen n tesleđt:

**Amawal:** D tagrumma n wawalen s-way-s yebna umawal n kra n tutlayt. Tagrumma-agi, tebđa yef wađas n taggayin s wudem ney ilmend n twuri-ines, DUBOIS.J yessegza-d amawal, «Amawal deg tesnilest tamatut yemmal-d tagruma n tayyunin id-yettgen tutlayt n yiwet n temyiwent».<sup>11</sup>

**Tamsislit:** tzerrew amek i d-yessentaq umsawal imesla, d tazrawt n ususru n yimesla n tutlayt. Deg umawal n tesnilest, Dubois J. yenna-d d akken: « Tamsiselt d ađric n tesnilest, tzerrew imesla n tutlayt, s tenmegla n yiđricen-nniđen: tasnalya, taseddast, amawal akked tesnamka »<sup>12</sup>.

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<sup>10</sup> API : Alphabet Phonétique Internationale

<sup>11</sup> Op.cit, DUBOIS J. et al,1994, p 282. « Comme terme linguistique général, le mot lexique désigne l'ensemble des unités formant le vocabulaire, la langue d'une communauté[...]»

<sup>12</sup> Ibid,DUBOIS J. et al,1994, p 361, « le terme de phonétique, désigne la branche de la linguistique qui étudie la composante phonique du langage, par opposition aux autres domaines : morphologie, syntaxe, lexique et sémantique ».

**Tasnalya :** d ayen yeean talya n wawal, Dubois.J, yenna-d: « Di tjerrumt tansayt tasnalya d tazrawt n talyiwin n wawalen (tileywit d usuddem),s tenmegla yer tezrawt n twuriwin ney n tseddast »<sup>13</sup>

**Tasnamka :** d tussna i zerwen inumak n wawalen, Mounin.G yenna-d: «Tasnamka d aħric n tesnilest i izerwen anamek, ney amesyul n tayunin timawalanin»<sup>14</sup>

**Azar:** Azar di tmaziyt ur iqebbel asemzi, wala beṭtu mi ara ad t-id nekkas deg wawal nesseylay-as tiyra isean anagar n tergalin,Haddadou. M A yenna-d : «Azar d tagruma n yiferdisen urgilen i d-yemmalen ayen yellan deg tilawt d uyelluy n uferdis aneyri, imi llan yiwsilen akken ad d-naf tayessa n wawal »<sup>15</sup>.

**Asalay :** d afardis wis sin s-way-s yebna wawal, d netta i d akatar alyaway yebna s teyra ney s teyra d tergalin. Chaker S. yenna-d « Asalay, d asertu n teyrayebdan (seant idgan d ilmawen keccment deg-sen tergalin n uzar), akked yiwsilen(izwiren,dwuḍfiren)i nrennu i uzar iwakken ad d-nsiley awal...».<sup>16</sup>

<sup>13</sup> Ibid, DUBOIS J. et al,1994, p 344. « En grammaire traditionnelle,la morphologie est l'étude des formes des mots (flexion et dérivation), par opposition à l'étude des fonctions ou syntaxe »

<sup>14</sup> -Mounin.G, *Dictionnaire de la linguistique*,Ed :Quadrige,puff,paris,1974,p.293 « La sémantique est une partie de la linguistique qui étudie le sens,ou le signifiédes unités lexicales »

<sup>15</sup> -Haddadou,Mouhend.Akli.,*Précis de lexicologie amaziy,tizi-ouzou*,2007,p .38 «La racine comme ensemble d'éléments consonantiques correspond certainement à la réalité puisqu'il suffit de faire disparaître l'élément vocalique ,et quand ils existent, les affixes, pour retrouver l'ossature du mot »

<sup>16</sup> CHAKER.S, *Manuel de linguistique berbère 1*, Bouchène, Alger1991. « Le schème est une séquence vocalique discontinue amalgamée a la racine et d'éventuels morphèmes préfixé ou suffixés...»

## 2.9 Tayessa n unadi

Nebda tazrawt-agi ntey yef sin yixfawen, nebda-t s:

Tezwart tamatut deg-s nmeslay-d yef usentel-ntey. Afran n usentel, Tamukrist, Turdiwin, Iswi n usentel.

Ixef amenzu d Tizri d tarrayt n unadi. Deg-s nehder-d yef: Trakalt tasnilsant d kra seg umezruy-ines, Ixeddimen yellan yef trakalt tasnilsant, Afran n temnaḍin n unadi, Imsulya, Umuy n tuttriwin, Ammud, Tabadut n kra n yifardisen n tesleḍt d tyessa n unadi.

Ixef wis sin d Tasleḍt n trakalt tasnilsant n wammud. Deg-s nexddem Tasleḍt i tkerḍiwin, nesleḍ 20 wawalen anda yettuqet umgired .

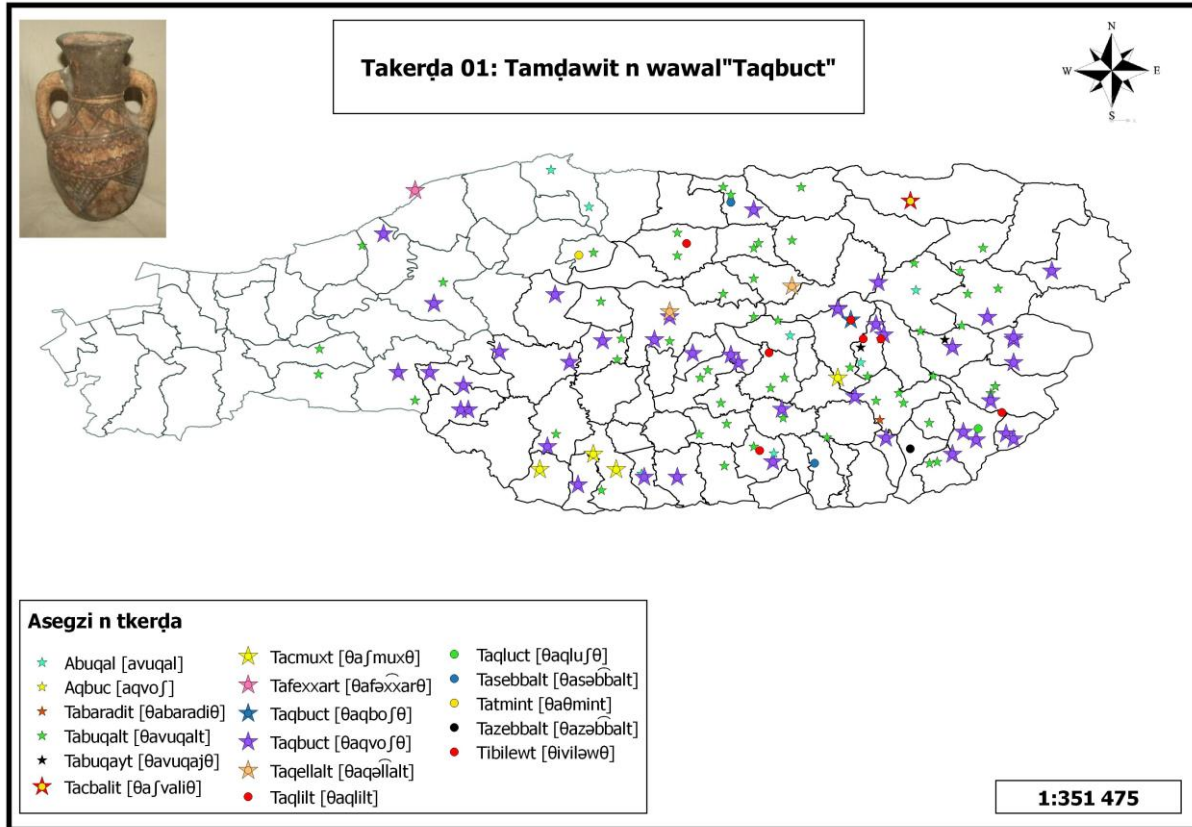
Nekfa-t s Taggrayt tamatut.

**Ixef wis sin**

**Tasleđt n trakalt tasnilsant n  
wammud**

Deg yixef-agi ad d-nwali tasleđt tarakalt tasnilsant n wammud, deg-s nexdem tikerđiwin i wakken ad d-nsebggen temnađtin anda i d-nejmae ammud, rnu yur-s ad tent-nesleđ.

### 3.1 Tamđawit n wawal « Taqbuct »



**Taqbuct** : d yiwen n wallal anda ttarran aman zik, yella wanda mazal ar tura sexdamen-tt, yella wanda rran-tt kan i cbaħa ney i yijeğğigen.

- Takerđa temmal-ay-d tamđawit n wawal « Taqbuct » deg temnađin n unadi.

**Asegzi n tamayt** : tamayt temmal-ay-d d akken awal « Taqbuct » yesea 03 n temđawiyin : amawal, timsislit, tasnalya, tasnamka.

#### 3.1.1 Deg umawal

**Abuqal [avuqal]** : ad t-naf deg 07 n temnađin (Assi Youcef, Ait Khellili, Dar Rabah, Tizaghouine, Ath Sedka, Azazga, Tizi Rached).

**Aqbuc [aqvuʃ]** : ad t-naf deg yiwet n temnađt (Mayach).

**Tabaradit [θabaradiθ]** : ad t-naf deg yiwet n temnađt (Ait Hichem).

**Tacbalit [θafvaliθ]** : ad t-naf deg yiwet n temnađt (Azefoun).

**Tacmuxt [θafmuxtθ]**: ad t-naf deg 03 n temnađin (Ait Imghour, Frikat, Boughni).

**Tafexxart [θafəxxarθ]**: ad t-naf deg yiwet n temnađt (Djinet).

**Taqluct [θaqluθ]**: ad t-naf deg yiwet n temnađt (Mezrara).

**Tasebbalt [θasəbbalt]**: ad t-naf deg 02 n temnađin (Azaib, Iboudraren).

**Tatmint [θaθmint]**: ad t-naf deg yiwet n temnađt (Chaina).

**Tibilewt [θiviləwθ]** : ad t-naf deg yiwet n temnađt (Takoucht).

**Taqellalt [θaqəllalt]**: ad t-naf deg snat n temnađin (Takhribt, Tizi n Telakht)

**Taqlilt [θaq<sup>o</sup>lilt]** : ad t-naf deg 06 n temnađin (Ain Meziab, Stita, Ichikar, Tigounathen, Tala Amara, Sid Ali Bounab).

### 3.1.2 Deg temsislit

**Tabuqayt [θavuqajθ]** : timidist [l] tettwantaq d tagenayri [y], taggayt [t] yer taggara n wawal yettwantaq d tazenayt [θ] [θavuqalt] → [θavuqajθ] ad t-naf deg 02 n temnađin (Tighilt Bouksas, Ait Salah).

**Taqbuct [θaqvoθ]** : taggayt [b] tettwantaq d tazenayt [v] [θaqboθ] → [θaqvoθ] ad t-naf deg 43 n temnađin (Tassadort, Ait Halli, Adeni, Ait Haggoun, Ait Ouarezdin, Yannene, Ifigha, Aourir Bouzemour, Taourirt Bouar, Amekrez, Houra, Ihaitousen, Ait Aicha, Tizi Ouzou, Bouhinoun, Ait Ahsen, Ait Maallem, Ihadriin, Rouachda, Ain Zaouia, Ait Toudert, Tagherbit, Tizi Tdekkart, Ait Ali, Ait Messaoud ou Aissia, BouNoueh, Abi Youcef, Azra, Tadmaït, Ait Arif, Illalen, Ait Atella, Zekri, Bou Aoun, Tifrit-N-Ath ou Malek, Aguemoun, Ait Bou Abd er-Rahman, Ouanougha, Azouza, Ain Bellil, Izeraraten, Lemsellah, TalaTgama, Beni Aissi).

**Tazebbalt [θazəbbalt]** : tunsıyt [s] tetwantaq d tunsıyt [z] : [θasebbalt] → [θazəbbalt] ad t-naf deg yiwet n temnađt (Ifarhounen).

### 3.1.3 Deg tesnalıya

#### 1) Talya n wunti

**Aqbuc (ml,sf)** asalay  $ac_1c_2uc_3 \rightarrow$  **Taqbuct(nt,sf)** asalay  $(t)ac_1c_2uc_3(t)$  : ad t-naf deg yiwet n temnaḍt (Rouachda).

**Abuqal (ml,sf)** asalay  $ac_1uc_2ac_3 \rightarrow$  **Tabuqalt(nt,sf)** asalay  $(t)ac_1uc_2ac_3(t)$  : ad t-naf deg 55 n

temnaḍin(Adjaba, Ighil N'Bil, Ihassenaouen, Isseradjén, Ait Khir, Yakouren, Ait Aissi, Tigzirt, Tala Tegana, Izarazen, Abizar, Hendu, Ait Lahcene, Agouni teslent, Draa Ben Khedda, Tamda, Tala Athman, Ait Bou Yahia, Ait Hellal, Ihassenaoun, Ait Kouffi, Taourirt Mokran, Tifilkout, Azrou Ait Illilten, Taka, Tahanouts, Igounan Ameer, Tifra, Tazrart, Tigulmamin, Makouda, Aafir, Tazibt, Agouni Oufekous, Ichtouanen, Cheurfa, Bordj Menail, Ben Abid, Taourga, Timizar Ahand, Tizi Hibel, Tiritin, Azemour Mariem, Iouadhien, Taourirt Abd Allah, Matoussa, Chaabet El Ameer, Ibaouken, Ammal, Agueni Gueghran, Tala Mimoun ,Ait Ouassif, Beni Amrane, Iaattafen, Boukharouba).

### 3.1.4 Deg tesnamka

**Tacbalit** : -sexdamen-t i ujmae n zzit.

-sexdamen-t i ujmae n waman.

**Abuqal** :- ttagmen-d deg-s aman.

- Jemmaeën deg-s iyi.

**Aqbuc** :- ttagmen-d deg-s aman.

- Jemmaeën deg-s iyi.

- Ttaran deg-s aseqqi.

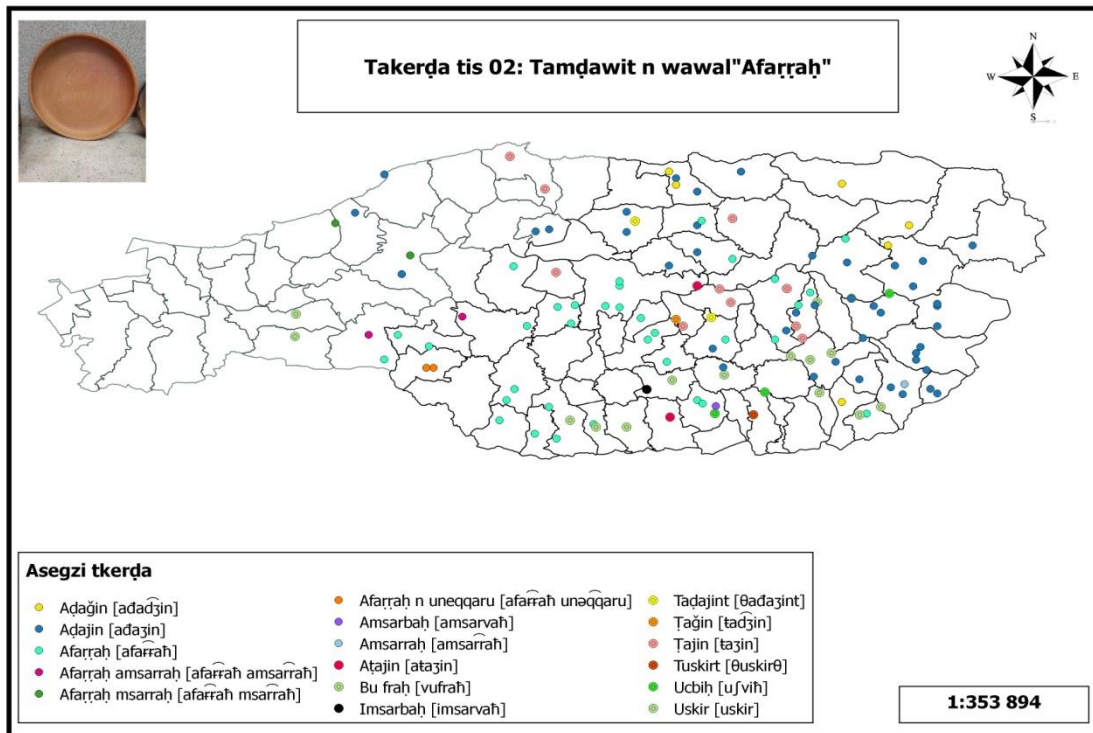
### Tamawt

Takerḍa temmal-ay-d d akken tuget n temnaḍin sexdamen awalen « Taqbuct, Tabuqalt ».

Awalen iretṭalen : seg tutlayt n taerabt : awal [Tafexxart] yekkad- seg wawal « فخر » azar-is

**FXR**, awal [Tabaradit] yekka-d seg wawal « برد » azar-is **BRD**.

### 3.2 Tamḍawit n wawal « Afarrah »



**Afarrah** : d yiwen n wallal anda sewwayen ama d ayrum ama d ifelfel, seg zik mazalt ar tura.

- Takerḍa temmal-ay-d tamḍawit n wawal « Afarrah » deg temnaḍin n unadi.

**Asegzi n tamayt** : tamayt temmal-ay-d d akken awal « Afarrah » yesea ukuz(04) n temḍawiyin : amawal, tamsislit, tasnalya, tasnamka.

#### 3.2.1 Deg umawal

**Afarrah [afarrah]** : ad t-naf deg 35 n temnaḍin (Takhribt, Adjaba, Tassadort, Ain Meziab, Assi Youcef, Ait Imghour, Ihessnaouen, Ait Ourezdin, Yennene, Hendou, Tizi Ouzou, Ait Bou Yahia, Ait Hellal, Bouhinoun, Ihessnaouen, Ait Kouffi, Frikat, Ain Zaouia, Boughni, Ait Ali, Matoussa, Ait Messaoud ou Aissia , Bou Noueh, Taourirt Mokrane, Tifilkout, Ichtaouanen, Tadmait, Ait Arif, Tizi Hibel, Tizi n Tlaket, Tirmitin, Azmour Mariem, Chaabet El Aneur, Beni Aissi, Sidi Ali Bounab).

**Ucbih [ufvih]** : ad t-naf deg 03 n temnaḍin (Ait Toudert, Ait ouassif, Iaattafen).

**Uskir [uskir]** : ad t-naf deg 08 n temnađin (Ait Lahcene, Aourir Bouzemour, Agouni Teslent, Abi youcef, Azrou Ait Ililten, Taka, Tawrirt Abd Allah, Ait Bou Abd er- Rahman).

**Amsarrađ [amsarrađ]**: ad t-naf deg yiwet n temnađt (Mezrara).

**Amsarbađ [amsarbađ]**: ad t-naf deg yiwet n temnađt (Ath Sedka).

**Ađajin [ađajin]** :ad t-naf deg snat n temnađin (Tala Athman, Agueni Gueghran).

### 3.2.2 Deg temsislit

**Đajin [đajin]**: taznaggayt [ğ] tetwantaq d tawecwact [j] : [tađajin] → [đajin] ad t-naf deg 11 n temnađin (Ait Halli, Ait Khir, Ait Khelili, Abizar, Draa Ben Khedda, Tamda, Rouchda, Tizi Rached, Dar Rabah, Tizeghouine, Tala Amara) .

**Ađajin [ađajin]** :tiyfuglant tuffayt [t] tettwantaq d tiyfuglant tuffayt [d] : [ađajin] → [ađajin] , taznaggayt [ğ] tetwantaq d tawecwact [j] : [ađađajin] → [ađajin] ad t-naf deg 43 n temnađin (Aafir, Isseradjen, yakouren, Ifigha, Ihaitousen, Tighilt Bouksas, Izarazen, Taourirt Bouar, Amekrez, Ait salah, Houra, Ait Aicha, Ait Ahsen, Ait Hichem, Tahanouts, Aguemmoun, Chaina, Tigounatin, Ibaକୁken, Mayach, Timizar Ahand, Bou Aoun, Tifrit N Ath ou Malek, Tala Mimoun, Djinet, Ain Bellil, Izeraraten, Lemsellah, Takoucht, Boukharouba, Tala Tgama, Azazga, Zekri, Igouanan Ameer, Tifra, Azra, Tazrart, Tigulmamin, Makouda, Tazibt, Agouni Oufekous, Cheurfa, Taourga).

**Ađajin [ađađajin]** : tiyfuglant tuffayt [t] tettwantaq d tiyfuglant [d] : [ađajin] → [ađađajin] ad t-naf deg 06 n temnađin (Ait Aissi, Tala Tgana, Tizirt, Ifarhounen, Azaib, Azefoun).

**Ađajin [ađajin]** : taznaggayt [ğ] tettwantaq d tawecwact [j] : [atađajin] → [ađajin]

### 3.2.3 Deg tesnalya

#### 1) Talya n wunti

**Ađajin (ml,sf)** asalay  $ac_1c_2ic_3$  → **Tađajint(nt,sf)** asalay  $(t)ac_1ac_2ic_3(t)$ : ad t-naf deg snat n temnađin (Stita, Ichikar).

**Uskir (ml,sf)** asalay  $uc_1c_2ic_3$  → **Tuskirt(nt,sf)** asalay  $(t)uc_1c_2ic_3(t)$ : ad t-naf deg yiwet n temnađt (Iboudraren).

2) **Ayelluy n umagrad**

**Ṭağin [ṭadğin]:** yer tazwara n wawal [aṭağin]  $ac_1ac_2ic_3 \rightarrow [ṭağin] \emptyset c_1ac_2ic_3$  ad t-naf deg yiwen n temnađt (Adeni).

**Afaṛraḥ msarraḥ [afarrah msarrah] :** yer tazwara n wawal [afarrah amsarraḥ]  $ac_1aC_2ac_3 / (am) c_1aC_2ac_3$  [afarrah msarraḥ]  $ac_1aC_2ac_3 / (\emptyset m) c_1aC_2ac_3$  ad t-naf deg snat n temnađin (Bourdj Menaiel, Ben Abid).

3) **Abeddel n umagrad**

**Imsarbaḥ [imsarvah] :** yer tazwara n wawal  $a \rightarrow i$  : [amsarbaḥ]  $(ams)ac_1c_2ac_3 \rightarrow [imsarbaḥ] (ims)ac_1c_2ac_3$ , ad t-naf deg yiwet n temnađt (Ioudhien).

4) **Asuddem : timerna n uzwir**

**Bu  $\rightarrow$  Bufraḥ [vufraḥ]:** ad t-naf deg 07 n temnađin (Ighil N' bil, Ait Mendes, Ait Haggoun, Ait Maallem, Ihadriin, Beni Amrane, Ammal).

**Am  $\rightarrow$  Amsarraḥ:** ad t-naf deg yiwet n temnađt (Mezrara).

**Ams  $\rightarrow$  Amsarbaḥ:** ad t-naf deg yiwet n temnađt (Ath Sedka).

**Im  $\rightarrow$  Imsarbaḥ**

5) **Awalen uddisen**

**Awal+arbib :** -Afaṛraḥ amsarraḥ : ad t-naf deg 03 n temnađin (Ait Atella, Ouanougha, azouza)

- Afaṛraḥ msarraḥ

**Awal+n+awal :** - Afaṛraḥ n uneqqaru : ad t-naf deg snat n temnađin (Tegherbit, Tizi Tdekkart).

**3.2.4 Deg tesnamka**

**Afaṛraḥ :** - sexdamen-t i usewwi n uyrum aquran.

- sexdamen-t i usewwi n temtunt.

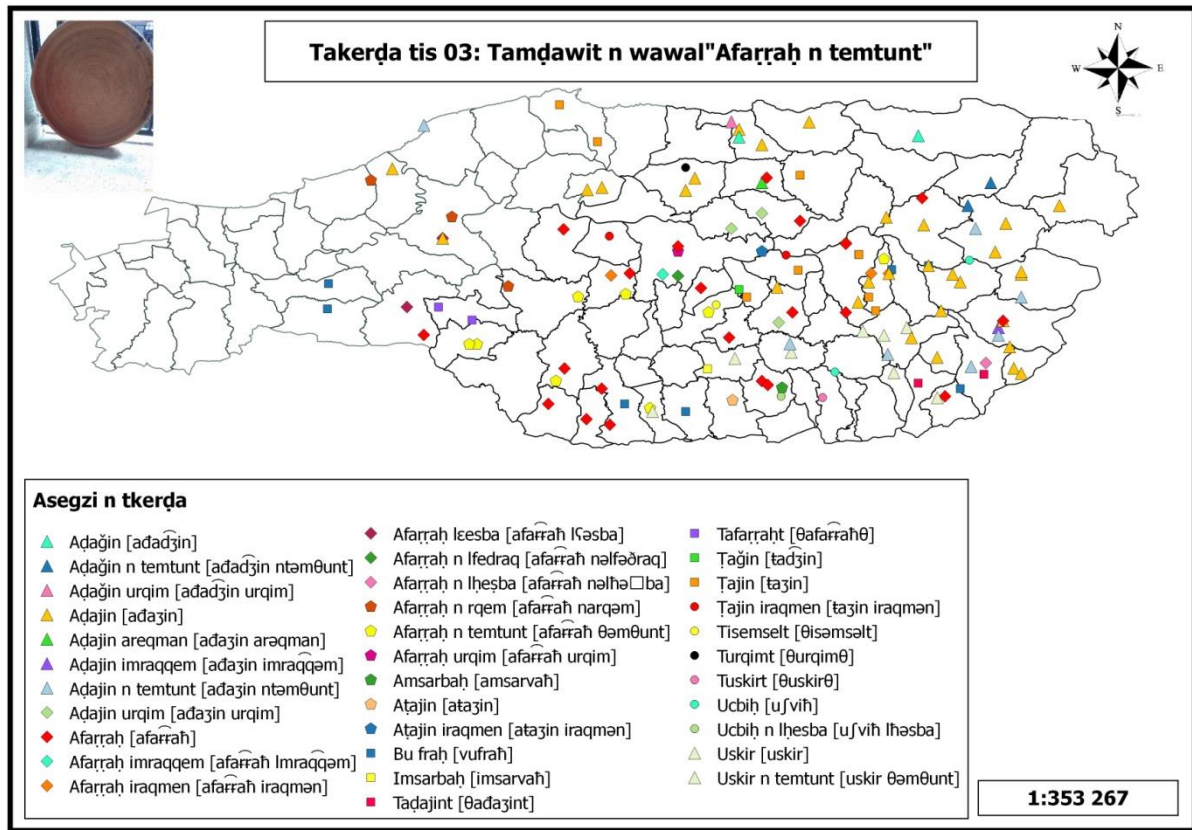
- sexdamen-t i usewwi n tayrifin.

### Tamawt

Takerḡa temmal-ay-d d akken tuḡet n temnaḡin sexdamen awalen « Afarḡraḡ, Aḡajin ».

Awalen iretḡalen : seg tutlayt n taerabt : awalen: [aḡajin, aḡaḡin, aḡajin, ḡajin, ḡaḡin] kkan-d seg wawal « طاجين » aḡar-is ṬĠN.awalen [imsarbaḡ,amsarbaḡ] kkan-d seg wawal « ربح » aḡar-is RBḤ.

### 3.3 Tamḡawit n uwawal « Afarḡraḡ n temtunt »



**Afarḡraḡ n temtunt :** d lallal anda sewwayen tamtunt, llan wid isewwayen deg-s ayrum aqruran.

- Takerḡa temmal-ay-d tamḡawit n wawal « Afarḡraḡ n temtunt » deg temnaḡin n unaqi.

**Asegzi n tamayt** : tamayt temmal-ay-d d akken awal « Afarrah n temtunt » yesa ukuz(04) n temdawiyin : amawal, tamsisli, tasnalya, tasnamka.

### 3.3.1 Deg umawal

**Aḍağin[adadzin]** : ad t-naf deg snat n temnaḍin(Azaib, Azefoun).

**Aḍağin n temtunt [adadzin ntəmθunt]**: ad t-naf deg snat n temnaḍin(Ait Aissi, Tala tegana).

**Aḍağin urqim [adadzin urqim]**: ad t-naf deg yiwet n temnaḍt(Tigzirt).

**Aḍajin n temttunt[adazin ntəmθunt]** :ad t-naf deg 07 n temnaḍin(Yakouren, Ihaitousen, Ait Aicha, Ait Hichem, Aguemoun, Djinet, Lemsellah).

**Aḍajin urqim [adazin urqim]** : Ad t-naf deg 03 n temnaḍin(Tahanouts, Igounan Aneur, Agouni Oufekous).

**Afarrah[afarah]** : ad t-naf deg 21 temnaḍin(Takhribt, Ait Imghour, Ihassenaouen, Yannene, Hendou, Ath Kouffi, Frikat, Boughni, Bou Noueh, Taourirt Mokran, Tifilkout, Ichtouanen, Tizi n Tlaket, Tadmait, Tizi Hibet, Azmour Mariem, Matoussa, Chaabet El Aneur, Boukharouba, Beni Aissi, Sidi Ali Bounab).

**Afarrah urqim [afarah urqim]**: ad t-naf deg yiwet n temnaḍt (Tizi Ouzou).

**Afarrah n lfedraq [afarah nalfəðraq]**: ad t-naf deg yiwet n temnaḍt(Ihassenaouen).

**Afarrah n lḥesba[afarah nəlḥesba]** :ad t-naf deg snat n temnaḍin(Mezrara, Ait Toudert).

**Afarrah n temttunt [afarah ntəmθunt]**:ad t-naf deg 07 n temnaḍin(Tassadort, Ait Bou Yahia, Ain Zaouia, Ait Tegherbit , Tizi Tdekkart, Illalen, Tirmitin).

**Amsarbah [amsarvah]**: ad t-naf deg yiwet n temnaḍt(Ath Sedka).

**Bufrah [vufrah]**:ad t-naf deg 11 n temnaḍin(Ighil N B'il, Ait Mendes, Ait Haggoun, Ait Hichem, Aguemoun, Ihadriin, Ait Maallem, Djinet, Lemsellah, Beni Amrane, Ammal).

**Tisemselt [θisəmsəlt]**: ad t-naf deg yiwet n temnaḍt(Ait Hellal).

**Turqimt [θurqimθ]**:ad t-naf deg yiwet n temnaḍt(Tazart).

**Ucbih [ufvih]**: ad t-naf deg n temnaḍin(Ait Oussif, Iaattafen).

**Uskir [uskir]**: ad t-naf deg 07 n temnaḍin (Ait Lahcene, Aourir Bouzemour, Agueni Teslent, Abi Youcef, Taka, Tawirt Abd Allah, Ait Bou Abd er- Rahman).

**Uskir n temttunt[uskir ntəmθunt]** : ad t-naf deg snat n temnaḍin (Agouni Teslent, Azrou Ait illilten).

### 3.3.2 Deg temsislit

**Ađajin[adajin]**: tiyfuglant tuffayt[t] tetwantaq d tiyfuglant tuffayt [d] [atadzin] → [adajin], taznaggayt [ğ] tettwantaq d tawecwact [j] [adadzin] → [adajin] ad t-naf deg 30 n temnađin(Aafir, Ifigha, TighiltBouksas, TaourirtBouar, Amekrez, AitSalah, Houra, Tifra, Azra, Tigulmamin, Makouda, Tazibt, Stita, Ichikar, Cheurfa, Taourga, Chaina, Zekri, Timizar Ahand, Bou Aoun, Tifrit N Ath ou Malek, Tigounathin, Mayach, Ibakuken, Tala Mimoun, Ain Bellil, Izeraraten, Tala Tgama, Azazga, Takoucht).

**Afařrah n Lsesba[afarrah nalsesba]**: targalt [h] tetwantaq d targalt tagerjumant [ε] : [afarrah nalhəsba] → [afarrah nalsesba] ad t-naf deg snat n temnađin(Ouanouga, Azouza).

**Atajin[atazin]**: taznaggayt [ğ] tetwantaq d tawecwact [j] [atadzin] → [atazin] ad t-naf deg yiwet n temnađt (Agueni Gueghran).

**Tajin [tazin]**: taznaggayt [ğ] tetwantaq d tawecwact [j] [tadzin] → [tazin] ad t-naf deg 09 n temnađin(Ait Halli, Ait Khir, Ait Khelili, Abizar, Rouachda, Tizi Rached, Dar Rabah, Tala Amara Tizeghouine).

### 3.3.3 Deg tasnalıya

#### 1. Talya n wunti

**Ađajin (ml,sf)** asalay  $ac_1ac_2ic_3$  → **Tadajint(nt,sf)**asalay  $(t)ac_1ac_2ic_3(t)$  :ad t-naf deg snat n temnađin(Ait Lahsen, Ifarhounen).

**Afařrah (ml,sf)**asalay  $ac_1aC_2ac_3$  → **Tafarrahnt(nt,sf)**asalay  $(t)ac_1aC_2ac_3(t)$  :ad t-naf deg snat n temnađin(Ait Ali , Ait Messaoud ou Aissia).

**Uskir (ml,sf)**asalay  $uc_1c_2ic_3$  → **Tuskirt(nt,sf)**asalay  $(t)uc_1c_2ic_3(t)$  : ad t-naf deg yiwet n temnađt (Iboudraren).

#### 2. Ayelluy n umagrad

**Tađin [tadzin]**: yer tazwara n wawal [atađin]  $ac_1ac_2ic_3$  → [tađin]  $\emptyset c_1ac_2ic_3$  ad t-naf deg yiwet n temnađt(Adeni).

**Afařraḥ n rġem**[afarrah nərġəm] :yer tazwara n wawal [urqim]  $uc_1c_2ic_3 \rightarrow [rġem]Øc_1c_2c_3$   
ad t-naf deg 03 n temnađin(Bourdj Menaiel, Ben Abid, Ait Atella).

### 3. Abeddel n umgarad

**Imsarbaḥ**[imsarvah] :yer tazwara n wawal a  $\rightarrow i$ :[amsarbaḥ]  $(ams)c_1c_2ac_3 \rightarrow [imsarbaḥ]$   
 $(ims)c_1c_2ac_3$  ad t-naf deg yiwet n temnađt(Iouadhien).

### 4. Asuddem :

#### Timerna n uzwir

**Im** :- Afařraḥ imraqqem:,ad t-naf deg yiwet n temnađt(Bouhinoun).

- **Imsarbaḥ** / Ađajin imraqqem,ad t-naf deg yiwet n temnađt(Izarazen).

**Am**  $\rightarrow$  Amsarbaḥ

**Bu**  $\rightarrow$  Bufraḥ

#### Timerna n udfir

**An**  $\rightarrow$  Ađajin areqman [ađazin arəqman]: ad t-naf deg yiwet n temnađt(Isseradjen).

**En** :-Afařraḥ Iraqmen [afarrah iraqmən]: ad t-naf deg 03 n temnađin(Adjaba, Ain Meziab,Ait Arif, Ait Ouarezdin).

-Aťajin iraqmen [atazin iraqmən]: ad t-naf deg yiwet n temnađt(Tala Athman).

-Tťajin iraqmen [atazin iraqmən]: ad t-naf deg yiwet n temnađt(Tamda, Draa Ben Khedda)

### 5. Awalen uddisen

**Awal+arbib** : - Afařraḥ urqim

- Afařraḥ Iraqmen

- Ađajin areqman

- Aťajin iraqmen

**Awal+n+awal** :- Uskir n temtunt

- Ađađin n temttunt

- Ađajin n temttunt
- Afarrah n lfedraq
- Afarrah n temttunt
- Afarrah n lħesba /Afarrah n læsba

### 3.3.4 Deg tesnamka

**Afarrah n temttunt:** - sexdamen-t i usewwi n temttunt

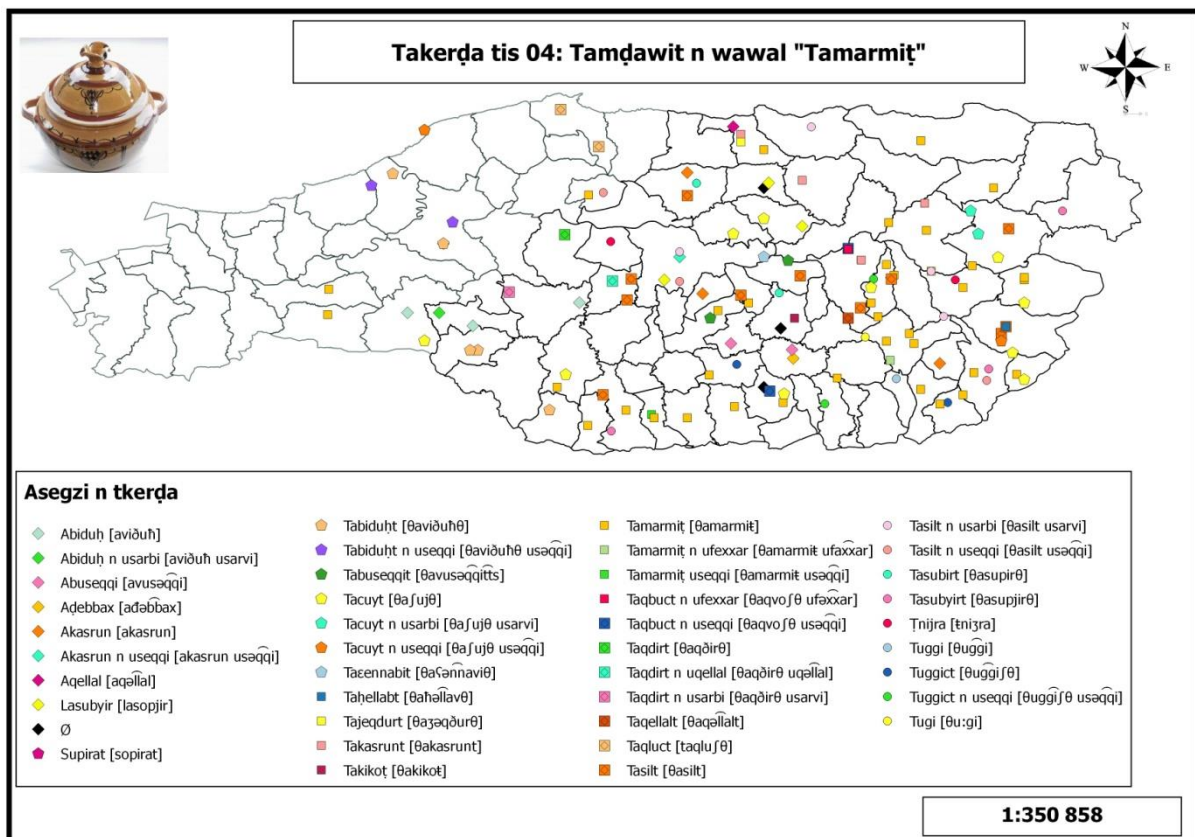
-Sexdamen-t I usewwi n uyrum aquran.

### Tamawt

Takerđa temmal-ay-d d akken deg tuget n temnađin sexddamen awalen « Ađajin »

Awalen iretđalen : seg tutlayt n taerabt : [ađajin,ađagin,tađin] kkan-d seg wawal « طاجين » ađar-is TĠN.awalen [imsarbaħ,amsarbaħ] kkan-d seg wawal « ریح » ađar-is RBĤ.

### 3.4 Tamđawit n wawal « Tamarmiđ »



**Tamarmiṭ** : d yiwen wallal anda tsarbin aseqqi ney leḡwaz deg tmeyriwin.

- Takerḍa temmal-ay-d tamḍawit n wawal « Tamarmiṭ » deg temnaḍin n unadi.

**Asegzi n tamayt** : tamayt temmal-ay-d d akken awal « Tamarmiṭ » yesea ukuz (04) temḍawiyin : amawal, tamsislit, tasnalya, tasnamka, dayen yella wanda ur tseqdacen ara.

### 3.4.1 Deg umawal

**Abiduḥ[aviḍuḥ]** : ad t-naf deg 04 n temnaḍin(Ait Ali, Iallalen, Ouanougha,Azouza).

**Abiduḥ n usarbi[aviḍuḥ nusarvi]** : ad t-naf deg yiwet n temnaḍt(Ait Messsaoud ou Aissia).

**Tabiduḥt n useqqi** : ad t-naf deg snat n temnaḍin(Bordj Menail, Ben Abid).

**Abuseqqi[avusəqqi]** : ad t-naf deg snat n temnaḍin(Tizi Hibel, Aguemmoun).

**Aḍebbax[adəbbax]** : ad t-naf deg yiwet n temnaḍt(Ait lahcene).

**Akasrun [akasrun]**: ad t-naf deg 03 n temnaḍin(Aafir, Tazart, Beni Aissi).

**Akasrun n useqqi [akasrun usəqqi]**: ad t-naf deg yiwet n temnaḍt(Tizi Ouzou).

**Aqellal[aqəllal]** : ad t-naf deg yiwet n temnaḍt(Tigzirt).

**Tasubvirt[θasupjirθ]** : ad t-naf deg 03 n temnaḍin(Takhribt, Bouhinoun, Ichtouanen).

**Tacuyt [θafujθ]**: ad t-naf deg 10 n temnaḍin(Amekrez, Ait Aicha, Ait Salah,Tahanout,Igounan Ameer, Matoussa, Tizi n Telakht, Tala Tgama, Ath Sedka, Takoucht).

**Tacuyt n usarbi[θafujθ usarvi]** : ad t-naf deg 02 n temnaḍin(Yakouren, Ait Aissi).

**Tacuyt n useqqi [θafujθ usəqqi]**: ad t-naf deg 02 n temnaḍin(Ihaitousen, Djinet).

**Ta3ennabit[θaʕənnabiθ]** : ad t-naf deg yiwet n temnaḍt(Tala Athmane).

**Taḥellabt[θahəlləvθ]** : ad t-naf deg yiwet n temnaḍt(Boukkarouba) .

**Tajeqdurt [θazəqḍurθ]**: ad t-naf deg yiwet n temnaḍt(Azaib).

**Takikuṭ [θakikoṭ]**: ad t-naf deg yiwet n temnaḍt(Taourirt Mokran).

**Tamarmiṭ[θamarmiṭ]** : ad t-naf deg 36 n temnaḍin(Tassadort, Ait Halli, Ighil N'Bil, Azazga, Ait Mendes, Ait Haggoun, Ait Khir, Ait Khelili, Ifigha, Tala Tegana, Agouni Teslent, Taourirt Bouar, Houra, Ait Hellal, Ait Maallem, Ihadrin, Rouchda, Ain Zaouia, Taka, Ait Toudert, Bou Noueh , Azrou Ait Illilten , Ifarhounen, Tifra, Azra, Chaina, Tifrit N Ath ou Malek, Ioudhien, Ait Bou Abd er Rahman, Ait Ouassif, Beni Amrane, Iaattafen, Azefoun ,Ammal, Agueni Gueghran, Lemsellah).

**Tamarmiṭ n ufexxar[θamarmiṭ ufəxxar]** : ad t-naf deg yiwet n temnaḍt(Ait Hichem).

**Tamarmt n useqqi [θamarmit usəqqi]:** ad t-naf deg yiwet n temnađt(Assi Youcef).

**Taqbuct n ufexxar[θaqvoftθ ufəxxar] :** ad t-naf deg yiwet n temnađt(Yannene).

**Taqbuct n useqqi [θaqvoftθ usəqqi]:** ad t-naf deg 02 n temnađin(Ait Ouarezdin, Sidi Ali Bounab).

**Taqdirt [θaqđirθ]:** ad t-naf deg yiwet n temnađt(Tadmait).

**Taqdirt n uqellal [θaqđirθ uqəllal] :** ad t-naf deg yiwet n temnađt(Ait Arif).

**Taqdirt n usarbi [θaqđirθ usarvi]:** ad t-naf deg yiwet n temnađt(Ait Atella).

**Taqluct[θaqluftθ]:** ad t-naf deg 02 n temnađin(Dar Rabah, Tizeghoune).

**Tasilt [θasilt]:** ad t-naf deg 11 n temnađin(Adeni, Izarazen, Boughni, Makouda, Tazibt, Tiritin, Ait Akerma, Azmour Mariem, Tizi Rached, Ibaouken, Mayach).

**Tasilt n usarbi[θasilt usarvi] :** ad t-naf deg 04 n temnađin(Tigulmamin, Timizar Ahand, Tizi n Tlakhet, Tala Mimoun).

**Tasilt n useqqi[θasilt usəqqi] :** ad t-naf deg 03 n temnađin(Ihessenaouen, Ait lahsen , Taourga).

**Tnijra[tnizra] :** ad t-naf deg 02 n temnađin(Tighilt Bouksas, Draa Ben Khedda).

**Tuggict[θuggiftθ] :** ad t-naf deg 02 n temnađin(Tawrirt Abd Allah, Tifilkout).

**Tuggict n useqqi[θuggiftθ usəqqi] :** ad t-naf deg 02 n temnađin(Ain Meziab, Iboudraren).

### 3.4.2 Deg temsislit

**Tugi[θu:gi]:** ayelluy n twecwact [c] d tussda deg ususu : [θuggiftθ] → [θugiθ], ad t-naf deg yiwet n temnađt(Aourir Bouzemour).

**Tuggi [θuggi]:** ayelluy n twecwact [c] : [tuggiftθ] → [θuggiθ] ad t-naf deg yiwet n temnađt(Abi Youcef).

**Tasubirt [θasopirt]:** d awal arettal seg tutlayt tafransist«soupière»maca mi tid-sentaqen tyelli tgenayri [y] deg ususu: [θasopjirθ] → [θasopθirθ] ad t-naf deg 02 n temnađin(Ain Meziab, Iboudraren).

**Supirat [sopirat]:** [sopjir] → [supθirat] ad t-naf deg yiwet n temnađt(Adjaba).

**Lasubyir [lasupjir]:** timerna n[la] deg ususu [sopjiy] → [lasopjr] ad t-naf deg 04 n temnađin (Takhrebt, Bouhinoun, Ait Kouffi, Ichtounen).

### 3.4.3 Deg tesnalya

#### 1. Talya n wunti

**Abiduđ**(ml,sf) asalay  $ac_1ic_2uc_3 \rightarrow$  **Tabiduđt**(nt,sf) asalay  $(t)ac_1ic_2uc_3(t)$ . ad t-naf deg 05 n temnađin (Frikat, Ait Teghrebit, Tizi Tdekkart, Ain Bellil, Izaratene).

**Abuseqqi**(ml,sf)asalay  $(abu)c_1C_2 \rightarrow$  **Tabuseqqit**(nt,sf)asalay  $(tabu)c_1C_2i(t)$ .ad t-naf deg snat n temnađin(Tamda, Ait Bou Yahia).

**Akasrun**(ml,sf)asalay  $ac_1ac_2c_3uc_4 \rightarrow$  **Takasrunt**(ml,sf)asalay  $(t)ac_1ac_2c_3uc_4(t)$ .ad t-naf deg 03 n temnađin(Abizar, Hendou, Tala Amara).

**Aqellal**(ml,sf)asalay  $ac_1C_2ac_2 \rightarrow$  **Taqellalt**(ml,sf)asalay  $(t)ac_1C_2ac_2(t)$ .ad t-naf deg yiwet n temnađt(Ait Imghour).

#### 2. Asuddem :timerna n uzwir

**Abu**  $\rightarrow$  **abuseqqi/tabuseqqit**

#### 3. Awalen uddisen

- Akasrun n useqqi
- Tuggict n useqqi
- Tacuyt n ussarbi / Tacuyt n usseqi
- Taqbuct n ufexxar / Taqbuct n useqqi

**Awal+n+awal** : - Tamarmiđ n ufexxar / Tamarmiđ n useqqi

- Taqdirt n uqellal / Taqdirt n usarbi
- Tasilt n usarbi / Tasilt n useqqi
- Tabiduđt n useqqi / Abiduđ n usarbi

### 3.4.4 Deg tesnamka:

**Akasrun, Abiduđ, Tasilt, Ʀnijra, Tacuyt** :- sexdamen-ten i usebbi.

- sexdamen-ten i userbi.

**Tađellabt** :- sexdamen-t i userbi.

-teżgen-d yur-s ayefki.

- Timnađin anda ur tseqdacen ara (Ø) :llan 03 n temnađin(Ihassenaouen, Isseradjen, Agouni Oufekous).

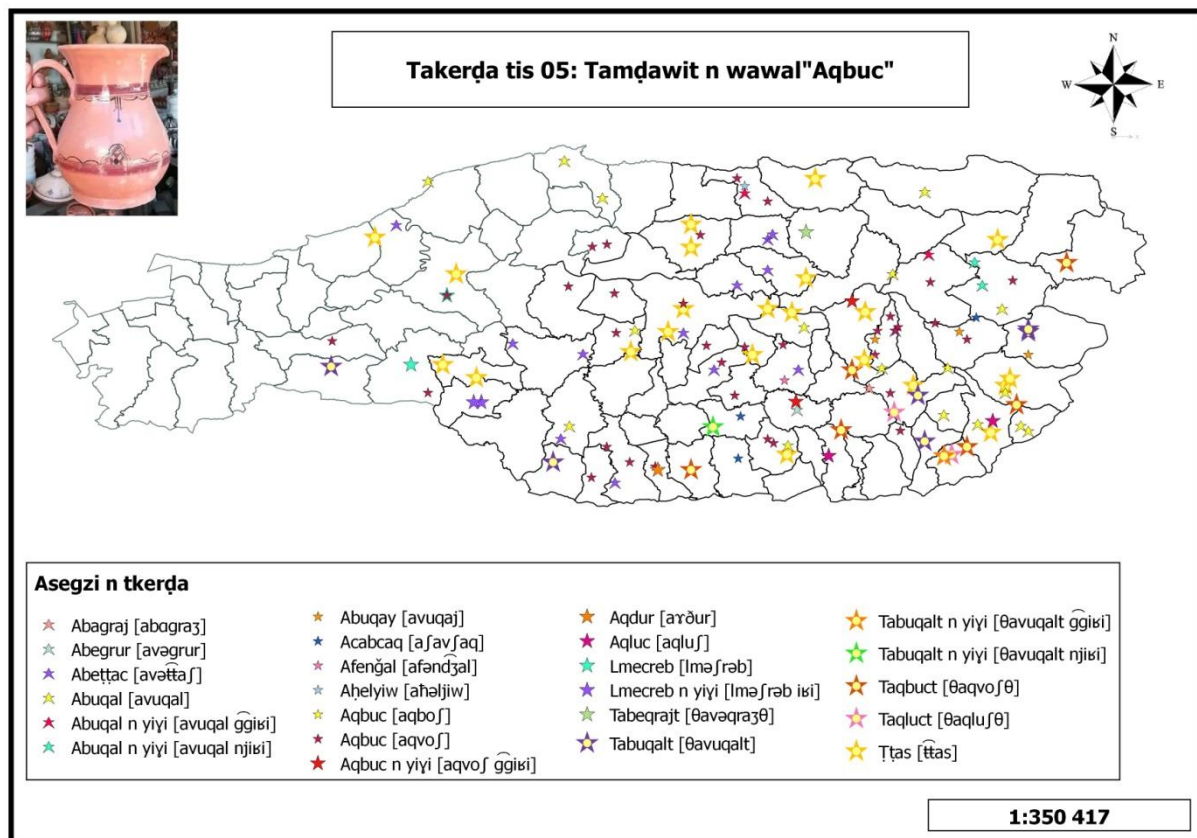
## Tamawt

Takerđa temmal-ay-d d akken deg tuget n temnađin sexdamen awal «Tamarmiđ ».

Awalen iređtalen : seg tutlayt n taerabt :awal [ađebbax] id-yekkan seg wawal « طبخ » azar-is **TBX**, awal [taennabit] id-yekkan seg wawal « عنب » azar-is **ENB**, awal [taqdir] I d-yekkan seg wawal « قدر » azar-is **QDR**.

Seg tutlayt tafransist: awal [tasubyirt] I d-yekkan seg wawal « soupière » azar-is **SPR**, awal [akasrun] I d-yekkan seg wawal « casserole » azar-is **CRL**, awal [tamarmiđ] I d-yekkan seg wawal « marmite » azar-is **MRT**.

### 3.5 Tamđawit n wawal « Aqbuc »



**Aqbuc** : d yiwen n wallal seqdacent i usarbi ney i tisit n yiđi d waman zik,mazalt ar tura.

- Takerđa temmal-ađ-d tamđawit n wawal « Aqbuc » deg temnađin n unađi.

**Asegzi n tamayt** : tamayt temmal-ađ-d d akken awal « Aqbuc »yesea ukuz(04) n temđawiyin: amawal,tamsislit,tasnalya,tasnamka.

### 3.5.1 Deg umawal

**Abegrur [avəgrur]**: ad t-naf deg yiwet n temnađt(Ait lahcene).

**Abagraj [abugraz]**: ad t-naf deg yiwet n temnađt(Aourir Bouzemour).

**Abetđac[avəđta]**:ad t-naf deg 12 n temnađin(Adjaba, Isseradjén, Ait kouffi, Ain Zaouia, Ait Bou yahia, Iallalen, Ihessenaouen, Tahanouts, Taourirt Moukrane , Igouan Ameur, Ichetouanen, Ain Bellil).

**Abuqal[avuqal]** :ad t-naf deg 17 n temnađin(Tizeghouine, Dar Rabah, Djinet, Azefoun, Aafir, Lemsellah, Tala tgama, Ath sedka, Ait Akerma, Ait khir, Taourirt Bouar, Amekrez, Houra, Tala mimoun, Ichaitousen, Azemour Mariem, Tizi n Telakht).

**Abuqal n yiđi[avuqal njiđi]** :ad t-naf deg snat n temnađin(Yakouren, Ait Aissi).

**Acabcaq[afavfaq]**:ad t-naf deg 03 n temnađin(Taourirt Abd Allah, Ait Ouassif, Agueni Gueghran).

**Afenđal [afəndzal]**: ad t-naf deg yiwet n temnađt(Agouni oufekous).

**Ađəliyiw [ahəljijw]**: ad t-naf deg yiwet n temnađt(Cheurfá).

**Aqbuc[aqbof]** : ad t-naf deg yiwet n temnađt(Rouchda).

**Agđur[avđur]** : ad t-naf deg yiwet n temnađt(Ait Bou Abd er – Rahmane).

**Aqluc [aqluf]**: ad t-naf deg yiwet n temnađt(Ibaoudraren).

**Lmecreb[lməfrəb]** :ad t-naf deg snat n temnađin(Ouanougha, Azouza).

**Lmecreb n yiđi[lməfrəb iđi]** : ad t-naf deg snat n temnađin( Ait Tegherbit, Tizi Tdekkart).

**Tabuqalt n yiđi [θavuqalt n jjiđi]**: ad t-naf deg yiwet n temnađt(Azrou Ait Illilten).

**Tđas [đras]**:ad t-naf deg 22 n temnađin(Takhribt, Ait Halli, Izarazen, Tala tegana, Tamda, Ait Ali, Agouni Teslent, Tizi Ouzou, Tala Athaman, Bouhinoun, Ait Lahsen , Ait toudert, Tirmitin, Ait Messaoud ou Aissia , Tazrart, Makouda, Tazibt,Borj Menaiel, Ben Abid, Timizar ahand, Tala Amara, Boukharouba).

**Tabeqrajt[θaveqrazθ]**:ad t-naf deg yiwet n temnađt(Abizar).

### 3.5.2 Deg temsislit

**Abuqay[avuqaj]** :timidist [l] yettwantaq d tagnaɣri [y] : [avuqal] → [avuqaj].ad t-naf deg 03 n temnađin (Tighilt bouksas, Ait salah, Ait Aicha).

**Aqbuc [aqvoj]**:taggaɣt [b] yettwantaq d tazenɣayt [v] : [aqbof] → [aqvoj]. ad t-naf deg 38 n temnađin (Tigoulmamin , Stita , Ichikar , Tadmait , Taourga , Chaina , Ait Arif , Tizi Hibel, Tizi n Tlaket, Matoussa , Tizi Rached , Tigounathine, Ibakouken, Ait Haggoun, Assi Youcef, Mayach, Ihassenaouen, Beni Amrane, Izraratene, Azazga, Beni Aissi, Sidi Ali Bounab, Tassadort, Ain Meziab, Adeni, Ighil N' Bil, Ait Mendas, Ait Ouarezdin, Ait Khellili, Ifigha, Tigzirt, Draa Ben Khedda, Ait Hellal, Boughni, Bou Noueh, Abi Yousef, Taka, Azra).

**Tabuqalt n yiwi[θavuqalt ggiwi]** : Tamsartit (n+y=gg) : [θavuqalt n jwi] → [θavuqalt ggiwi] : ad t-naf deg yiwet n temnađt(Iouadhien).

**Abuqal n yiwi [avuqal ggiwi]** : Tamsartit (n+y=gg) : [avuqal n jwi] → [avuqal ggiwi] ad t-naf deg snat n temnađin(Hendou, Azaib).

**Aqbuc n yiwi [aqvoj ggiwi]**: Tamsartit (n+y=gg) : [aqvoj n jwi] → [aqvoj ggiwi].ad t-naf deg snat n temnađin(Yannene, Mezrara).

### 3.5.3 Deg tesnalya

#### 1. Talya n wunti

**Aqbuc (ml,sf)**asalay  $ac_1c_2uc_3 \rightarrow$  **Taqbuct(nt,sf)**asalay  $(t)ac_1c_2uc_3(t)$  ad t-naf deg 06 n temnađin(Ait Imghour,Ait Maallem,Ihadrin,Zekri,Iaattafen,Takoucht).

**Aqluc (ml,sf)**asalay  $ac_1c_2uc_3 \rightarrow$  **Taqluct(nt,sf)**asalay  $(t)ac_1c_2uc_3(t)$  ad t-naf deg snat n temnađin(Tifilkout, Ait Hichem).

**Abuqal (ml,sf)**asalay  $ac_1uc_2ac_3 \rightarrow$  **Tabuqalt(nt,sf)**asalay  $(t)ac_1uc_2ac_3(t)$  ad t-naf deg 06 n temnađin (Frikat, Ifarhounen,Tifra, Bou Aoun, Tifrit –N-Ath ou Malek, Ammal)

#### 2. Asuddem :Timerna n uzwir

**Lm** → **Lmcreb** / **Lmcreb** n yiđi

### 3. Awalen uddisen

**Awal+n+awal** : - Aqbuc n yiđi

- Lmcreb n yiđi

- Abuqal n yiđi/Tabuqalt n yiđi

#### 3.5.4 Deg tesnamka

**Aqbuc, abuqal**: - ttagmen-d deg-sen.

- Jemmaeēn deg-sen iyi.

- Jemmaeēn deg-s aman.

**Lmcreb, řtas** :- tesssen deg-sen aman.

- Jemmaeēn deg-sen iyi.

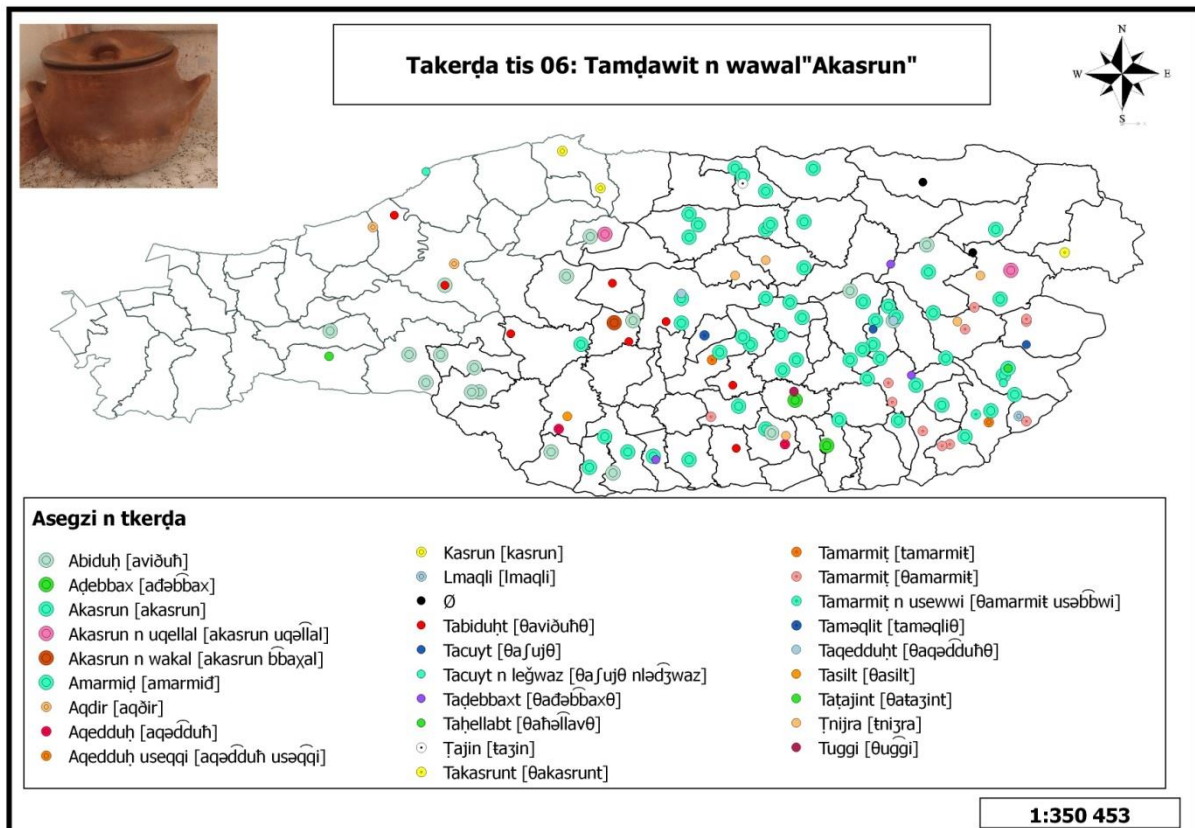
#### Tamawt

Takerđa temmal-ađ-d d akken deg tuget n temnađin sexdamen awal « Aqbuc ».

Awalen ireřřalen :seg tutlayt n taerabt :awal [afengal] id-yekkan seg wawal « فنجان » ađar-is

**FNĜ**, awal [lmcreb] id-yekkan seg wawal « شرب » ađar-is **CRB**, awal [řtas] id-yekkan seg wawal « طاس » ađar-is **řS**.

### 3.6 Tamḍawit n wawal « Akasrun »



**Akasrun** : d yiwen n wallal anda sewwayen zik barkukec,leḡwaz... Dayen llan wid id-iḥemmun deg-s,mazal ar tura llan wid it-yesexddamen acu kan qlilit.

- Takerḍa temmal-aḡ-d tamḍawit n wawal « Akasrun» deg temnaḍin n unadi.

**Asegzi n tamayt** : tamayt temmal-aḡ-d d akken awal « Akasrun » yesea krad n temdawiyyin : amawal, tasnalya, tasnamka, dayen yella wanda ur tseqdacen ara.

#### 3.6.1 Deg umawal

**Akasrun[akasrun]** : ad t-naf deg 52 n temnaḍin (Takhribt, Tassadort, Ain Meziab, Ait Halli, Adeni, Ait Hegoun, Assi Youcef, Ait Imghour, Ihassenaouen, Isseradjen, Aafir, Ait Khir, Ait Khelili, Izarazen, Abizar, Tala Tegana, Tigzirt, Aourir Bouzemour, Tizi Ouzou, Tala Athman, Tamda, Ihassenaouen, Ait Maallem, Ihadriin, Mezrara, Rouachda, Bougheni, Bou Nouh, Taourirt Mokran, Tazart, Abi Yousef, Tifra, Azra, Tigulmamin, Makouda, Tazibt, Agouni

Oufekous, Stita, Ichouanen, Ichikar, Cheurfa, Illalen, Timizar Ahand, Ait Akerma, Taurirt Abd Allah, Mayach, Tala Mimoun, Iaattafen, Tala Amara, Tala Tgama, Azazga, Takoucht).

**Abiduh [aviðuh]:** ad t-naf deg 18 n temnađin (Adjaba, Ighil N'Bil, Yannene, Hendou, Ath kouffi, Frikat, Tagherbit, Tizi Tdekkart, Ait Ali, Ait Messaoud ou Aissa, Tadmait, Chaina, Azemour Mariem, Matoussa, Ouanougha, Azouza, Beni Amrane, Sidi Ali Bounab).

**Ađebbax [ađəbbax]:** ad t-naf deg snat n temnađin (Ait Lahcene, Iboudraren).

**Akasrun n uqellal [akasrun uqəlləl]:** ad t-naf deg snat n temnađin (Ibakuken, Taourga).

**Akasrun n wakal [akasrun bbaxal]:** ad t-naf deg yiwet n temnađt (Ait Arif).

**Amarmid [amarmid]:** ad t-naf deg snat n temnađin (Ait Mendes, Ait Hellal).

**Aqdir [aqđir]:** ad t-naf deg snat n temnađin (Bourj Menaiel, Ben Abid).

**Aqedduh [aqəđduh]:** ad t-naf deg snat n temnađin (Ait Toudert, Ain Zaouia).

**Aqedduh n useqqi [aqəđduh nusəqqi]:** ad t-naf deg yiwet n temnađt (Ait Lahsen).

**Lmaqli [lmaqli]:** ad t-naf deg yiwet n temnađt (Taourirt Bouar).

**Tacuyt [θafujθ]:** ad t-naf deg snat n temnađin (Ait Salah, Ait Aicha).

**Tacuyt n leğwaz [θafujθ nlədɣwaz]:** ad t-naf deg yiwet n temnađt (Ihaitousen).

**Tahellabt [θahəllavθ]:** ad t-naf deg yiwet n temnađt (Boukharouba).

**Tajin [təzin]:** ad t-naf deg yiwet n temnađt (Azaib).

**Tamarmiđ n usewwi [θamarmiđ usəbbi]:** ad t-naf deg yiwet n temnađt (Lemsellah).

**Tasilt [θasilt]:** ad t-naf deg yiwet n temnađt (Tizi -n-Telakht).

**Tnijra [tniɣra]:** ad t-naf deg 04 n temnađin (Yakouren, Tighilt Bouksas, Tahanouts, Igounan Aneur, Ath Sedka).

**Tuggi [θuggi]:** ad t-naf deg yiwet n temnađt (Aguemmoun).

### 3.6.2 Deg tesnalya

#### 1. Ayelluy n umagrad

**Kasrun [kasrun]:** [akasrun] asalay  $ac_1ac_2c_3uc_4 \rightarrow [kasrun]$  asalay  $\emptyset c_1ac_2c_3uc_4$  .ad t-naf deg snat n temnađin (Dar Rabah ,Tizeghoune).

#### 2. Talya n wunti

**Atajin (ml, sf)** asalay  $ac_1ac_2ic_3 \rightarrow$  **Tatajint (nt, sf)** asalay  $(t)ac_1ac_2ic_3(t)$  ad t-naf deg yiwet n temnađt (Ammal).

**Akasrun (ml,sf)** asalay  $ac_1ac_2c_3uc_4 \rightarrow$  **Takasrun (nt,sf)** asalay  $(t)ac_1ac_2c_3uc_4(t)$ , ad t-naf deg yiwet n temnađt (Zekri).

**Lmaqli (ml,sf)** asalay  $(l)c_1ac_2c_3i \rightarrow$  **Tamaqlit (nt,sf)** asalay  $(t)ac_1ac_2c_3i(t)$ , ad t-naf deg yiwet n temnađt(Beni Aissi).

**Aqedduđ (ml,sf)** asalay  $ac_1C_2uc_3 \rightarrow$  **Taqedduđt (nt,sf)** asalay  $(t)ac_1C_2uc_3(t)$ , ad t-naf deg yiwet n temnađt (Tizi Rached).

**Amarmiđ (ml,sf)** asalay  $ac_1ac_2c_1ic_3 \rightarrow$  **Tamarmiđ (nt,sf)** asalay  $(t)ac_1ac_2c_1ic_3$ , ad t-naf deg yiwet n temnađt (Ait Bou Yahia).

**Ađebbax (ml,sf)** asalay  $ac_1C_2ac_3 \rightarrow$  **Tađebbaxt (nt,sf)** asalay  $(t)ac_1C_2ac_3(t)$ , ad t-naf deg 03 n temnađin (Agouni Teslent, Houra, Ait Bou Abd er –Rahman)

**Abiduđ (ml,sf)** asalay  $ac_1ic_2uc_3 \rightarrow$  **Tabiduđt (nt,sf)** asalay  $(t)ac_1ic_2uc_3(t)$ , ad tanf deg 09 n temnađin(Ait Ouarezdin, Draa Ben Khedda, Bouhinoun, Ait Atella, Tizi Hibel, Tirmitin, Ain Bellil, Izeraratene, Agueni Gueghran).

### 1. Awalen uddisen

**Awal+n+awal** : - Tamarmiđ n usewwi  
 - Akasrun n wakal /Akasrun n uqellal  
 -Aqedduđ n useqqi

### 3.6.3 Deg Tesnamka

**Akasrun, Abiduđ, Ađebbax, Tacuyt, Tasilt, tñijra:-** sexdamen-t i usewwi.

- sexdamen-t i userbi.

**Tađellabt:-** sexdamen-t i userbi.

- Sexdamen-t I usewwi.  
 - Tezgen yur-s ayefki

- Timnađin anda ur tseqdacen ara( $\emptyset$ ) :llant snat n temnađin(Ait Aissi,Azefoun).

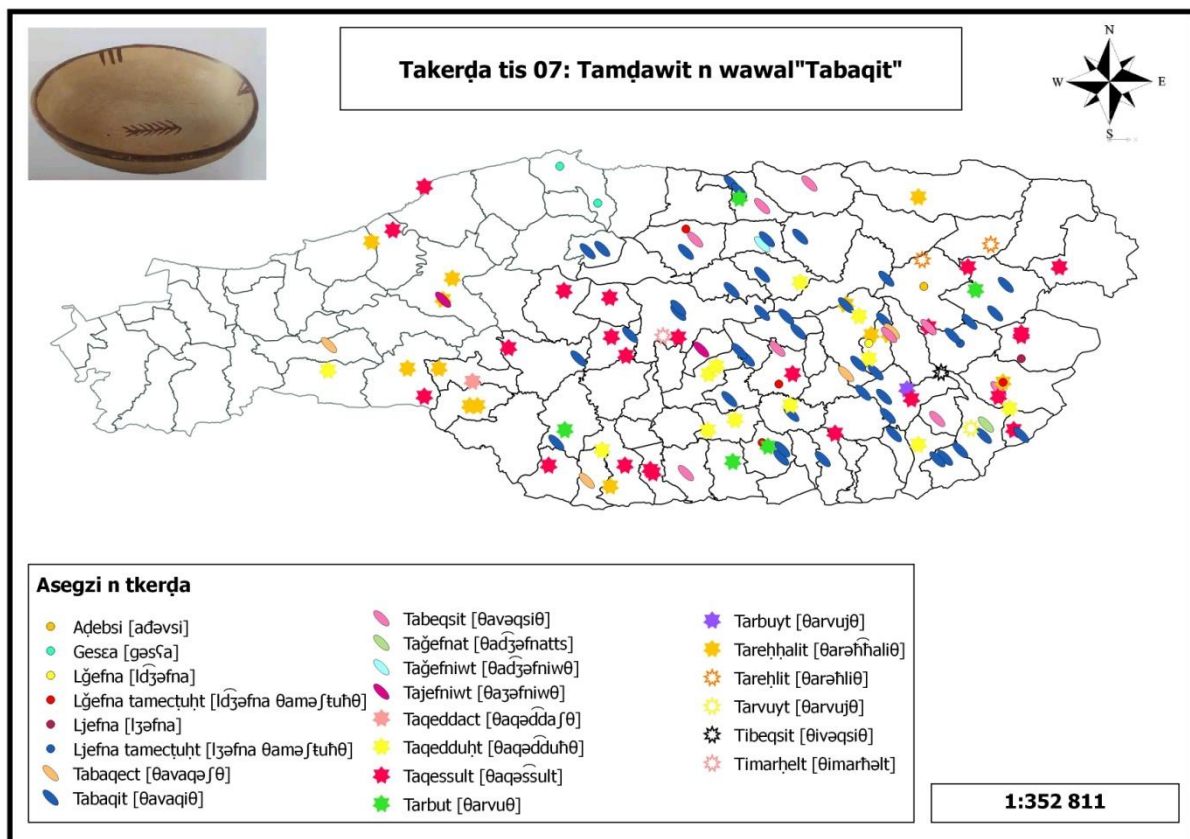
### Tamawt

Takerđa temmal-ay-d d akken deg tuget n temnađin sexxdamen awal « Akasrun ».

Awalen iređtalen seg tutlayt n taerabt : awal [aqdir] I d-yekkan seg wawal « قدر » azar-is **QDR**, awal [ađebbax] I d-yekkan seg wawal « طبخ » azar-is **TBX**, awalen [lmaqli, tameqlit] I d-yekkan seg wawal « مقلاة » azar-is **MQL**, awalen [tajin,tatajint] I d-yekkan seg wawal « طاجين » azar-is **TĜN**.

Seg tutlayt tafransist : awal [akasrun] id-yekkan seg wawal « casserole » azar-is **CRL**, awalen [tamarmiđ, amarmiđ] I d-yekkan seg wawal « marmite » azar-is **MRT**.

### 3.7 Tamđawit n wawal « Tabaqit »



**Tabaqit** : d yiwen n wallal anda tetten zik,tjemmae-d yuk ieeyyalen n wexxam deg yiwen n umkan akken qqar « *temlal tasa d way turew* »,dayen suffuyen deg-s lwaeda.

- Takerđa temmal-ay-d tamđawit n wawal « Tabaqit » deg temnađin n unađi.

**Asegzi n tamayt** : tamayt temmal-ay-d d akken awal « Tabaqit » yesea ukuz(04) temḍawiyin : amawal, tamsislit, tasnalya, tasnamka.

### 3.7.1 Deg umawal

**Aḍebsi [aḍəvsi]**: ad t-naf deg yiwet n temnaḍt (Azazga).

**Ges3a [gəsʃa]**: ad t-naf deg snat n temnaḍin (Tizaghouine, Dar Rabah).

**Lḡefna [ldʒəfna]** : ad t-naf deg yiwet n temnaḍt (Rouachda).

**Tabaqit[θavaqiθ]** : ad t-naf deg 42 n temnaḍin (Tassadort, Ait Halli, Adeni, Yannene, Ait Khir, Tighilt Bouksas, Abizar, Tigzirt, Ait Lahcene, Aourir Bouzemour, Amekrez, Houra, Tizi Ouzou, Tala Athman, Tamda, Ait Lahsen, Ihadrin, Ain Zaouia, Ait Toudert, Abi Yousef, Tifilkout, Azrou Ait Illilten, Taka, Ait Hichem, Tahanouts, Igounan Ameer, Makouda, Tazibt, Ichtouanen, Cheurfa, Taourga, Chaina, Illalen, Tizi Hibel, Tizi Rached, Ait Akerma, Azemour Mariem, Ibakuken, Ait Ouassif, Iboudraren, Tala Tgama, Ath Sedka).

**Taqeddact [θaqəddafθ]** : ad t-naf deg yiwet n temnaḍt(Ait Ali).

**Taqedduht [θaqədduhθ]**: ad t-naf deg 12 n temnaḍin (Takhribt, Ait Khellili, Ait Bou Yahia, Ait Hellal, Boughni, Ifarhounen, Agemmoun, Iouadhien, Tawriat Abd Allah, Ammal, Takoucht, Tala Amara).

**Taqessult [θaqəssult]**: ad t-naf deg 20 n temnaḍin (Ighil N'Bil, Ait Mendes, Assi Youcef, Zekri, Taourirt Bouar, Ihaitoussen, Frikat, Taourirt Mokrane, Tifra, Tadmait, Ait Arif, Ait Atella, Bou Aoun, Tifrit N Ath ou Malek, Tirmitin, Matoussa, Ait Bou Abd er Rahman, Djinet, Ain Bellil, Iaattafen).

**Tarbut** : ad t-naf deg 05 n temnaḍin(Yakouren, Azaib, Tizi n telakht, Agueni Gueghran, Sidi Ali Bounab).

**Tareḥḥalit [θarəḥḥaliθ]**: ad t-naf deg 13 n temnaḍin (Adjaba, Ain Meziab, Ait Ouarezdin , Ath Kouffi, Tagheribt, Tizi Tdekkart, Ait Messaoud, Bordj Menaiel, Ben Abid, Mayach, Ouanougha, Azouza, Azefoun).

### 3.7.2 Deg temsislit

**Tabeqsit [θavəqsiθ]**: timerna n tunsiyt [s], [ θavaqiθ] →[θavəqsiθ], ad t-naf deg 09 n temnaḍin (Aafir, Izarazen, Ait Maallem, Azra, Stita, Ichikar, Tigulmamin, Timizar Ahand, Tizi Rached).

**Tabaqect [θavaqəfθ]:** timerna n twecwact [c],[ θavaqiθ] → [θavaqəfθ],ad t-naf deg 04 n temnađin(Ait Haggoun, Ait Imghour, Bou Noueh, Beni Amrane).

**Tarbuyt[θarvujθ]:** timerna n tgenayri [y]:[θarvuθ] → [θarvujθ] ad t-naf deg snat n temnađin(Agouni Teslent, Lemsellah).

**Tajefniwt [θaɣəfniwθ]:** timerna n tgenayri [w],taznaggayt [ğ]yettwantaq d tawacwact [j] : [θaɣəfniwθ] → [θadɣəfniwθ] ad t-naf deg snat n temnađin (Izeraratene, Beni Aiss).

**Tağefniwt[θadɣəfniwθ]:** timerna n tgenayri [w] : [θadɣəfniwθ] ad t-naf deg yiwet n temnađt (Isseradjén).

**Tarehlit [θarəhliθ]:** ayelluy n tussda : [θarəh̄haliθ] → [θarəhliθ] ad t-naf deg snat n temnađin (Tala Tegama, Hendou).

**Timarhelt [θimarhəlt]:** abeddel n wadeg n ususru : [θarəh̄haliθ] → [θarəhliθ]ad t-naf deg yiwet n temnađt(Bouhinoun).

**Ljefna [lɣəfna]:** taznaggayt [ğ] tettwantaq d tawecwact [j] : [ldɣəfna] → [lɣəfna]ad t-naf deg yiwet n temnađt (Taourirt Bouar).

### 3.7.3 Deg tesnalya

#### 1. Talya n wunti

**Tağefnat (nt,sf)asalay (t)ac<sub>1</sub>c<sub>2</sub>c<sub>3</sub>a(t)**ad t-naf deg yiwet n temnađt (Mezrara).

#### 2. Abeddel n umagrad

**Tibeqsit :**yer tazwara n wawal a → i : [tabeqsit]asalay (t)ac<sub>1</sub>c<sub>2</sub>c<sub>3</sub>i(t) → [tibeqsit]asalay (t)ic<sub>1</sub>c<sub>2</sub>c<sub>3</sub>i(t). ad t-naf deg yiwet n temnađt (Tala Mimoun).

#### 3. Awalen uddisen

**Awal+arbib :-** Lğefna tamectuht : ad t-naf deg snat temnađin (Ihassenaouen, Tazrart, Agouni Oufekous, Boukharouba).

-Ljefna tamectuht : ad t-naf deg snat n temnađin (Ifigha, Ait Aicha) .

### 3.7.4 Deg tesnamka

**Tabaqect, Tabeqsit, Tarbuyt, lǧefna:-** sexdamen-ten-tt i lḥamu n Imakla.

- sexdamen-ten-tt I leftil n seksu.

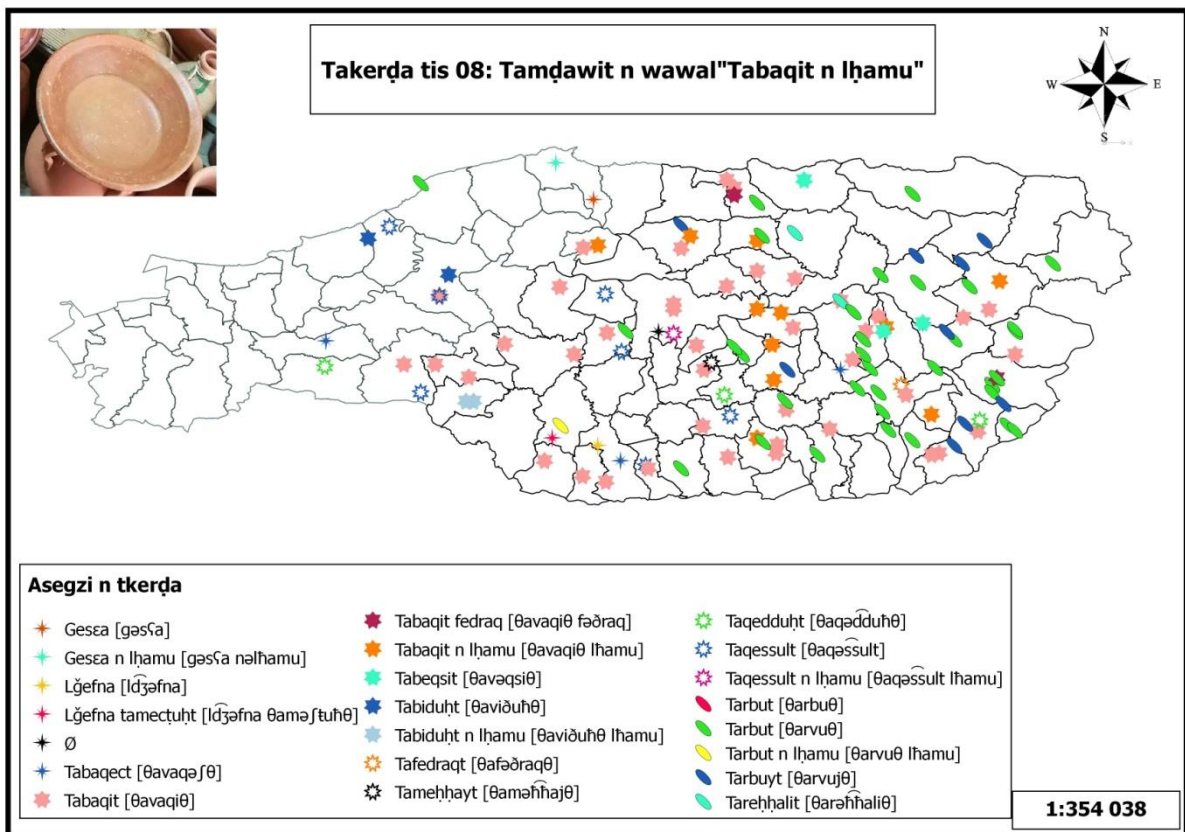
- Tetten deg-sen-t.

### Tamawt

Takerḍa temmal-ay-d d akken deg tuget n temnaḍin sexddamen awal « Tabaqit ».

Awalen ireṭṭalen :seg tutlayt n taerabt : awalen [lǧefna, lǧefna, taǧefniwt, tajefniwt, taǧefnat] kkan-d seg wawal « جفنة » azar-is ḠFN.

### 3.8 Tamḍawit n wawal « Tabaqit n lḥamu »



**Tabaqit n lḥamu :** d yiwen n wallal sexddamen zik i lḥamu n Imakla,dayen yella wanda tetten deg-s.

- Takerđa temmal-ay-d tamđawit n wawal « Tabaqit n lřamu » deg temnađin n unađi.

**Asegzi n tamayt :** tamayt temmal-ay-d d akken awal « Tabaqit n lřamu »yesea ukuz(04) n temđawiyin :amawal, tamsislit, tasnalya, tasnamka, dayen yella wanda ur tseqdacen ara.

### 3.8.1 Deg umawal

**Ges3a [gəsfa] :** ad t-naf deg yiwet n temnađt (Tizaghouine).

**Ges3a n lřamu [gəsfa nəlhamu] :** ad t-naf deg yiwet n temnađt (Dar Rabah).

**Lřefna [ldžefna] :** ad t-naf deg yiwet n temnađt (Boughni).

**Lřefna tamectuđt [ldžefna θaməftuđt] :** ad t-naf deg yiwet n temnađt (Ain Zaouia).

**Tabaqit [θavaqiθ] :** ad t-naf deg 44 n temnađin (Takhribt, Adjaba, Tassadort, Ain Meziab Tifra, Tizirt, Ait Ouarezdin, Ait Lahcene, Ait Aicha, Tizi Ouzou, Ait Bou Yahia, Ait Lahsen, Tifilkout, Ait Kouffi, Frikat, Ait Toudert, Ait Ali, Ait Messaoud ou Aissia, Bou Noueh, Azrou Ait Illilten, Tahanouts, Igounan Ameer, Ait Sidi Hemza, Makouda, Tazibt, Cheurfa, Tadmaıt, Chaina, Ait Arif, Illalen, Ait Atella, Tizi n Tlakheth, Tizi Rached, Ait Akerma, Iouadhien, Ait Bou Abd er-Rahman, Ait Ouassif, Ouanougha, Azouza, Iaattafen, Agueni Gueghan, Tala Tgama, Ait Sedka, Beni Aissi).

**Tabaqit Fedraq [θavaqiθ fəđraq] :** ad atnaf deg snat n temnađin (Azaib, Mayach).

**Tabaqit n lřamu [θavaqiθ nəlhamu] :** ad t-naf deg 11 n temnađin (Ait Haggoun, Aafir, Stita, Ihassenaouen, Isseradjén, Tala Athman, Tamda, Agouni Oufekous, Ichikar, Taourga, Ibakuken).

**Tabiduđt [θaviđuhθ] :** ad t-naf deg snat n temnađin (Ben Abid, Borj Menaiel) .

**Tabiduđt n lřamu [θaviđuhθ nlhamu] :** ad t-naf deg snat n temnađin (Ait Tegherbit, Tizi Tdekkart)

**Tafedraqt [θafəđraqθ] :** ad t-naf deg yiwet n temnađt (Agouni Teslent).

**Tameđhayt [θaməđhajθ] :** ad t-naf deg yiwet n temnađt (Ait Hellal).

**Taqedduđt [θaqəđduđhθ] :** ad t-naf deg 03 n temnađin (Mezrara, Ammal, Tizi Hibel).

**Taqessult [θaqəssult] :** ad t-naf deg 06 n temnađin (Assi Youcef, Draa Ben Khedda, Tirmitin, Matoussa, Ait Bellil, Izeraratene).

**Taqessult n lřamu [θaqəssult nəlhamu] :** ad t-naf deg yiwet n temnađt (Ihassenaouen.)

**Tarbut [θarbuθ] :** ad t-naf deg yiwet n temnađt (Rouchda).

**Tarbut n lřamu [θarvut nəlhamu] :** ad t-naf deg yiwet n temnađt (Chaabet El Ameer).

**Tareḥḥalit**[θarəḥḥaliθ] :ad t-naf deg snat n temnaḍin (Yannene, Abizar).

### 3.8.2 Deg temsislit

**Tarbuyt**[θarvujθ] : timerna n tgenayri [y] :[θarvuθ] → [θarvujθ], ad t-naf deg n 09 temnaḍin (Tighilt Bouksas, Ait Aissi, Tala Tegana, Hendou, Ihadriin, Taourirt Mokran, Tazrazt, Lemsellaḥ, Takoucht).

**Tabeqsit** [θavəqsiθ] : timerna n tunsiyt[s], [θavaqiθ] → [θavəqsiθ], ad t-naf deg snat n timnaḍin (Tigulmamin, Timizar Ahand).

**Tabaqect** [θavaqəfθ] : timerna n twecwact [c], [θavaqiθ] → [θavaqəfθ], ad t-naf deg 04 n temnaḍen (Ighil n'Bil, Ait Mendes, Ait Imghour, Beni Amrane).

**Tarbut** [θarvuθ] : taggayt [b] tettwanṭaq d tazenzayt [v], [θarbuθ] → [θarvuθ], ad t-naf deg 33 n temnaḍin (Ait Halli, Adeni, Ait Khir, Ait Khellil, Yakouren, Ifigha, Izarazen, Aourir Bouzemour, Taourirt Bouar, Amekrez, Ait Salah, Houra, Ihaitousen, Ait Maallem, Abi Yousef, Ifarḥounen, Taka, Zekri, Azazga, Ait Hichem, Azra, Ichtouanen, Bou Aoun, Tifrit-n-Ath ou Malek, Aguemmoun, Tala Mimoun, Azemour Mariem, Djinet, Ibaoudraren, Azefoun, Tala Amara, Boukkarouba, Sidi Ali Bounab).

### 3.8.3 Deg tesnalɣa

#### 1. Awalen uddisen

- Gesea n lḥamu

- Tabaqit n lḥamu

**Awal+n+awal** :- Taqessult n lḥamu

- Tarbut n lḥam

- Tabiduḥt n lḥamu

**Awal+arbib** : - Lḡefna tamectūḥt

- Tabaqit Fedraq

### 3.8.4 Deg tesnamka

**Lğefna, Tabaqit, Tarbut:**-sexdamen-ten-tt i leftil n seksu.

- tetten deg-s lmakla.

- sexdamen-ten-tt I lhamu n lmakla.

**Tabeqsit, Taqedduht, Taqessult,:**- sexddamen-ten-tt i lhamu n lmakla.

- sexddamen-ten-tt i wučči

**Tabaqect, Tarehhalit:**- sexdamen-ten-tt i lhamu n lmakla.

- sexdamen-ten-tt I leftil n seksu.

- Tetten seg-sen-t

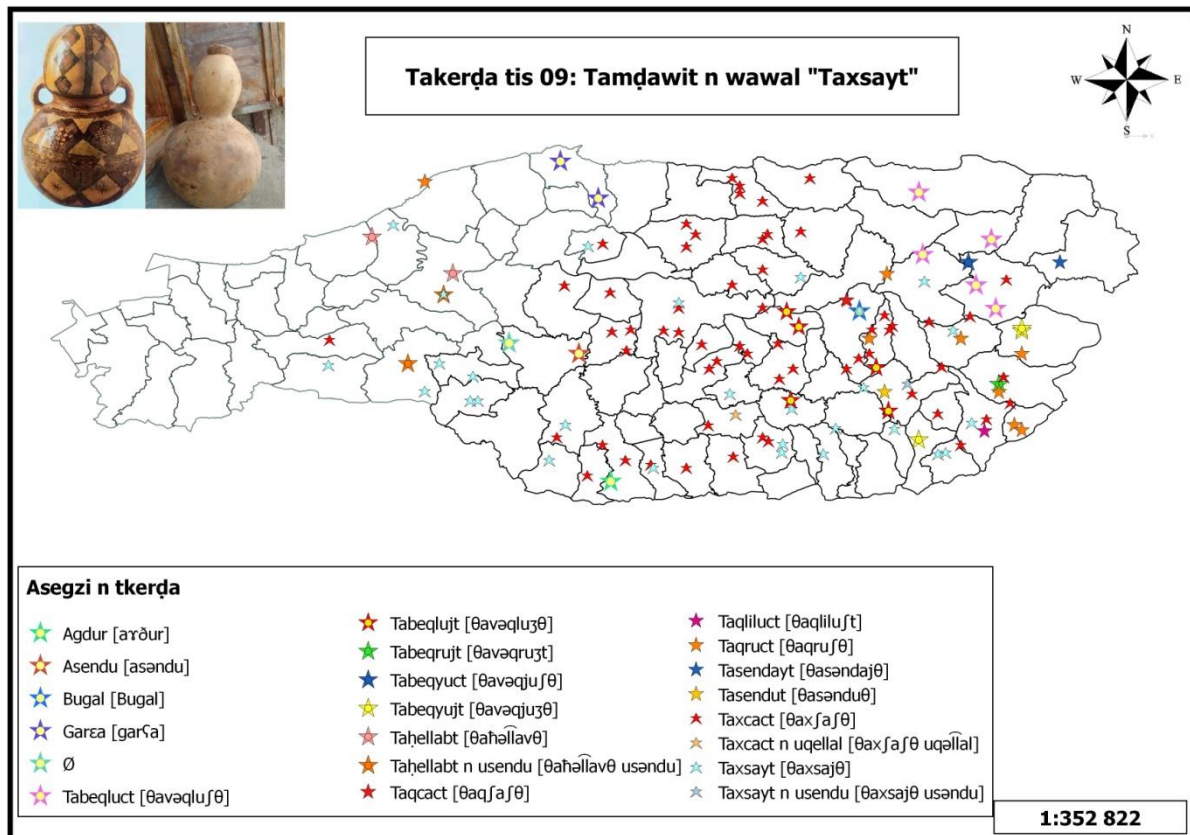
- Timnadin anda ur tseqdacen ara (Ø) : tella yiwet n temnađt (Bouhinoun).

### Tamawt

Takerđa temmal-ay-d d akken deg tuget n temnađin sexddamen awalen « Tabaqit,Tarbut ».

Awalen iretalen : seg tutlayt n taerabt : awal [lğefna] id-yekkan seg wawal « جفنة » azar-is  
ĜFN.

### 3.9 Tamđawit n wawal « Taxesayt »



**Taxesayt** : d yiwen wallal sexddamen zik i usendu n yiwi ,llan wid isexdamen tin id-teksen seg lexla, llan wid itixeddmən s talayt.

- Takerđa temmal-ay-d tamđawit n wawal « Taxesayt » deg temnađin n unadı.

**Asegi n tamayt** : tamayt temmal-ay-d d akken awal « Taxesayt » yesə krađ n temđawiyin : amawal, tamsislit, tasnalya, dayen yella wanda ur tseqdacen ara.

#### 3.9.1 Deg umawal

**Taxcact [θaxʃafθ]**:ad t-naf deg 63 n temnađin(Adjaba, Tassadort, Ain Meziab, Ait Halli, Adeni, Ighil N’Bil, Ait Mendes, Ait Haggoun, Assi Youcef, Ait Imghour, Ihessenaouen, Isseradjén, Ait Ourarezdin, Aafir, Ait Khellil, Abizar, Tigzirt,Tizi Ouzou,Draa Ben Khedda,Tala Athman,Ait Bou Yahia,Ait Hellal,Bouhinoun,Ihassenaouen,Ait Maallem,Ihadriin,Mezrara,Ain Zaouia, Boughni,Bou Noueh, Taourirt Mokran, Taħanouts, Igounan Ameer, Tifra, Azra, Tazrart, Ait Sidi Hemza, Tigulmamin, Tazibt, Agouni

Oufekous, Ichtouanen, Stita, Ichikar, Cheurfa, Azaib, Tala Mimoun, Tadmait, Taourga, Ait Arif, Timizar Ahand, Tirmiten, Azmour Mariem, Iouadhien, Tizi Rached, Ibaouken, Mayach, Ait Ouassif, Beni Amrane, Agueni Gueghran, Boukharouba, Beni Aissi, Takhoucht, Sidi Ali Bounab) .

**Taxsayt[θaxsajθ]** : ad t-naf deg 28 n temnađin(Takhribt, Tighilt Bouksas, Ait Lahcene, Aourir Bouzemour, Frikat, Ait Toudert, Taghrebt, Tizi Tdekkart, Ait Ali, Ait Messaoud ou Aissia, Abi Yousef, Ait Bou Abd er-Rahman, Tifilkout, Azrou Ait Illilten, Chaina, Tizi Hibel, Matoussa, Tizi Hibel, Tizi n Telakht, Ain Bellil, Izeraraten, Iboudraren, Iaattafen, Ammal, Lemselah, Tala Amara, Ath Sedka, Azazga).

**Taxcact n uqellal [θaxsajθ nuqəllal]** : ad t-naf deg yiwet n temnađt(Tawrirt Abd Allah).

**Taxsayt n usendu [θaxsajθ nusəndu]**: ad t-naf deg yiwet n temnađt( Agouni teslent).

**Taqruct[θaqrufθ]** : ad t-naf deg 08 n temnađin(Djenet, Ihaitousen, Houra, Ait Aicha, Ait Salah, Amekrez, Taourirt Bouar, Ifigha) .

**Taqliluct[θaqlilufθ]** : ad t-naf deg yiwet n temnađt ( Ait lahsen) .

**Tahellabt n usendu[θahəllavθ nusəndu]** : ad t-naf deg snat n temnađin (Ouanougha, Azouza).

**Tahellabt [θahəllavθ]** : ad t-naf deg snat n temnađin (Borj Menaïel, Ben Abid) .

**Tabeqluct[θavəqlufθ]** ad t-naf deg 05 n temnađin (Yakouren, Tala Tegama, Hendou, Azefoun, Tala Tgama).

**Gar3a [garfa]** : ad t-naf deg snat n temnađin (Tizaghouine, Dar Rabah).

**Bugal[bugal]** : ad t-naf deg yiwet n temnađt (Rouchda).

**Asendu [asəndu]** : ad t-naf deg yiwet n temnađt ( Illalen).

**Agdur [axður]** : ad t-naf deg yiwet n temnađt (Ath Kouffi) .

### 3.9.2 Deg temsislit

**Tabeqyujt[θavəqju3θ]** : timidist [l] tettwantəq d tezgennayri [y], imesli [c] yettwantəq d [j],[θaveqlufθ] → [θavəqju3θ], ad t-naf deg 03 n temnađin(Bou Aoun, Tifrit n Ath ou Malek, Ifarhounen) .

**Tabeqyuct[θavəqjuθ]**:timidist[l] tettwantəq d tgenayri [y], [θavəqlufθ] → [θavrqujuθ], ad t-naf deg yiwet n temnađt(Ait Aissi).

**Tabeqlujt[θabəqluzθ]** :tawecwact [c] tettwan̄taq d tawecwact[j] :[θavəqluʃθ]→ [θavəqluzθ]  
 ,ad t-naf deg 05 n temnađin(Aguemmoun, Ait Akerma, Ait Hichem, Tamda, Ait Khir).

**Tabeqrujt[θavəqruzθ]** :timidist [l] tettwan̄taq d [r], tawecwact [ʃ] tettwan̄taq d tawecwact[j],  
 [θavəqluʃθ] → [θabəqruzθ], ad t-naf deg yiwet n temnađt( Izarazen).

**Tasendayt[θasəndajθ]** :timerna n tgenayri[y], [θasənduθ] →[θasəndajθ], ad t-naf deg yiwet  
 n temnađt (Zekri) .

**Taqcact[θaqʃafθ]** :taqlalayt taraggayt [x] tetwan̄taq d taqlalayt [q], [θaxʃafθ] → [θaqʃafθ], ad  
 t-naf deg yiwet n temnađt(Yannene).

### 3.9.3 Deg tesnalya

#### 1. Talya n wunti

**Asendu(ml,sf)**asalay  $ac_1c_2c_3u$  → **Tasendut (nt,sf)** asalay(t) $ac_1c_2c_3u(t)$ ,ad t-naf deg yiwet n  
 temnađt (Taka).

#### 2. Awalen uddisen

**Awal+n+awal** : -Taxsajt n usendu  
 -Taḥellabt n usendu  
 - Taxcact n uqellal

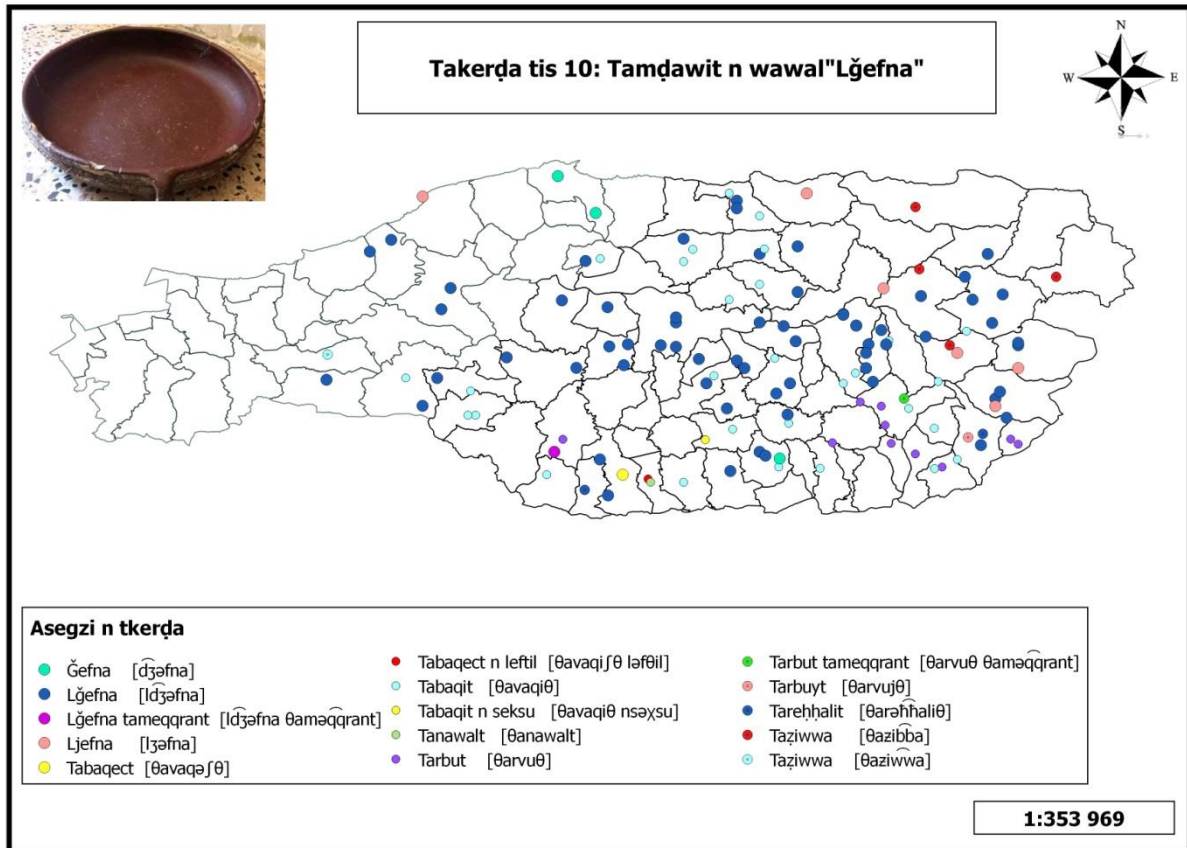
- Timnađin anda ur tseqdacen ara(Ø) : tella yiwet n temnađt (Ait Atella)

### Tamawt

Takerđa temmal-ay-d d akken deg tuget n temnađin sexddamen awal « Taxcact ».

Awalen irettalen : seg tutlayt n taerabt : awal [gereə] i d-yekkan seg wawal « قرعة » azar-is  
**QRĔ.**

## 3.10 Tamḍawit n wawal « Lǧefna »



**Lǧefna** : d yiwen n wallal isexddamen zik i leftil n seksu, mazal ar tura sexddament.

- Takerḍa temmal-ay-d tamḍawit n wawal « Lǧefna » deg temnaḍin n unadī.

**Asegi n tamayt** : tamayt temmal-ay-d d akken awal « Lǧefna » yesea ukuz (04) n temḍawiyin : amawal, tamsislit, tasnalya, tasnamka.

**Ġefna [dǧəfna]**: ad t-naf deg 03 n temnaḍin (Dar Rabah, Tizaghouine, Ath Sedka).

**Tabaqit [θavaqiθ]**: ad t-naf deg 32 n temnaḍin (Ighil N'bil, Ait Heggoun, Ait Imghour, Aafir, Tigzirt, Ait Lahcene, Ait Hellal, Ait Maallem, Ihadriin, Frikat, Ait Toudert, Ait Tegherbit, Tizi Tdekkart, Ait Ali, Azrou Ait Illilten, Tahanouts, Igounan Ameer, Tifra, Azra, Ait sidi Hemza, Tazibt, Ichouanen, Stita, Ichikar, Taourega, Tawrirt Abd Allah, Mayach, Tala Mimoun, Ait Ouassif, Ouanougha, Azouza, Iboudraren).

**Tabaqit n seksu [θavaqiθ nsəxsu]** : ad t-naf deg yiwet n temnaḍt (Iouadhien).

**Tanawalt [θanawalt]** : ad t-naf deg yiwet temnaḍt (Ait Bou Abd er –Rahman).

**Tarbut[θarvuθ]** :ad t-naf deg 10 n temnađin (Iaatafen, Tizi –n-Telakht, Ait Hichem, Taka, Ifarhounen, Tifilkout, Abi youcef, Amekrez, Taourirt Bouar, Aourir Bouzemour).

**Tarbut Tameqqrant [θarvuθ θaməqqrant]** : ad t-naf deg yiwet n temnađt (Agouni teslent).

**Tarehhalit [θarəhhalitθ]** : ad t-naf deg snat n temnađin (Mezrara, Bou Noueh).

**Taziwwa [θaziwwa]** :ad t-naf deg yiwet n temnađt (Beni Amrane).

### 3.10.1 Deg temsislit

**Ljefna[lʒəfna]** :taznaggayt[ǧ] tettwantaq d tawecwact [j] : [ldʒəfna] → [lʒəfna], ad t-naf deg timnađin (Djinet, Timizar Ahand, Ait Aicha, Ihaitousen, Houra, Ifigha).

**Taziwwa [θazibba]** : tamsartit « w+w=bb » [θaziwwa] → [θazibba] ad t-naf deg timnađin (Azefoun, Zekri, Hendou, Tighilt Bouksas).

**Tarbuyt [θarvujθ]** : timerna n tgenayri [y] : [θarvuθ] → [θarvujθ] ad t-naf deg temnađt (lemsellah) .

**Tabaqect[θavaqəfθ]**: timerna n twecwact [c] : [θavaqiθ] → [θavaqəfθ], ad t-naf deg yiwet n temnađt(Ait Mendes).

### 3.10.2 Deg tesnalya

#### 1. Asuddem :timerna n uzwir

**L :** - Ljefna

- Lğefna [ldʒəfna] :ad t-naf deg 65 n temnađin (Takhribt, Adjaba, Tassadort, Ain Meziab, Ait Halli, Adeni, Ihessenaouen, Isseradjén, Ait Ouarezdin, Yannene, Ait Khir, Ait Khelili, Ait Aissi, Yakouren, Tala Tegana, Izarazen, Abizar, Ait Salah, Tizi Ouzou, Draa Ben Khedda, Tala Athman, Tamda, Ait Bou Yahia, Bouhinoun, Ihessenaouen, Ait Lahsen, Ait Kouffi, Rouachda, Boughni, Ait Messaoud ou Assia , Taourirt Mokrane, Tazrart, Tigulmamin , Agouni oufekous, Cheurfa, Azaib, Bordj Menaiel, Ben Abid, Tadmait, Chaina, Ait Arif, Illalen, Ait Atella, Bou Aoun, Tifrit –n-Ath ou Malek, Tizi Hibel, Ait Mahmoud, Ait Akerma, Tirmitin, Azmour Mariem, Matoussa, Tizi Rached, Ibaouken, Ain Bellil, Izararatene, Ammal, Boukharouba, Agueni Gueghran, Tala Amara, Tala Tgama, Azazga, Beni Aissi, Takoucht, Sidi Ali Bounab).

#### 2. Awalen uddisen :

**Awal+n+awal** :-Tabaqit n seksu

-Tabaqect n leftil,ad t-naf deg yiwet n temnađt(Assi Youcef).

**Awal+arbib:** - Lđefna Tameqqrant,ad t-naf deg yiwet n temnađt (Ain Zaouia).

- Tarbut Tameqqrant

### 3.10.3Deg tesnamka

**Tabaqit, tarbut, taređđalit:** - sexdamen-ten-tt I lhamu n lmakla.

- Sexdamen-ten-tt i leftil n seksu.

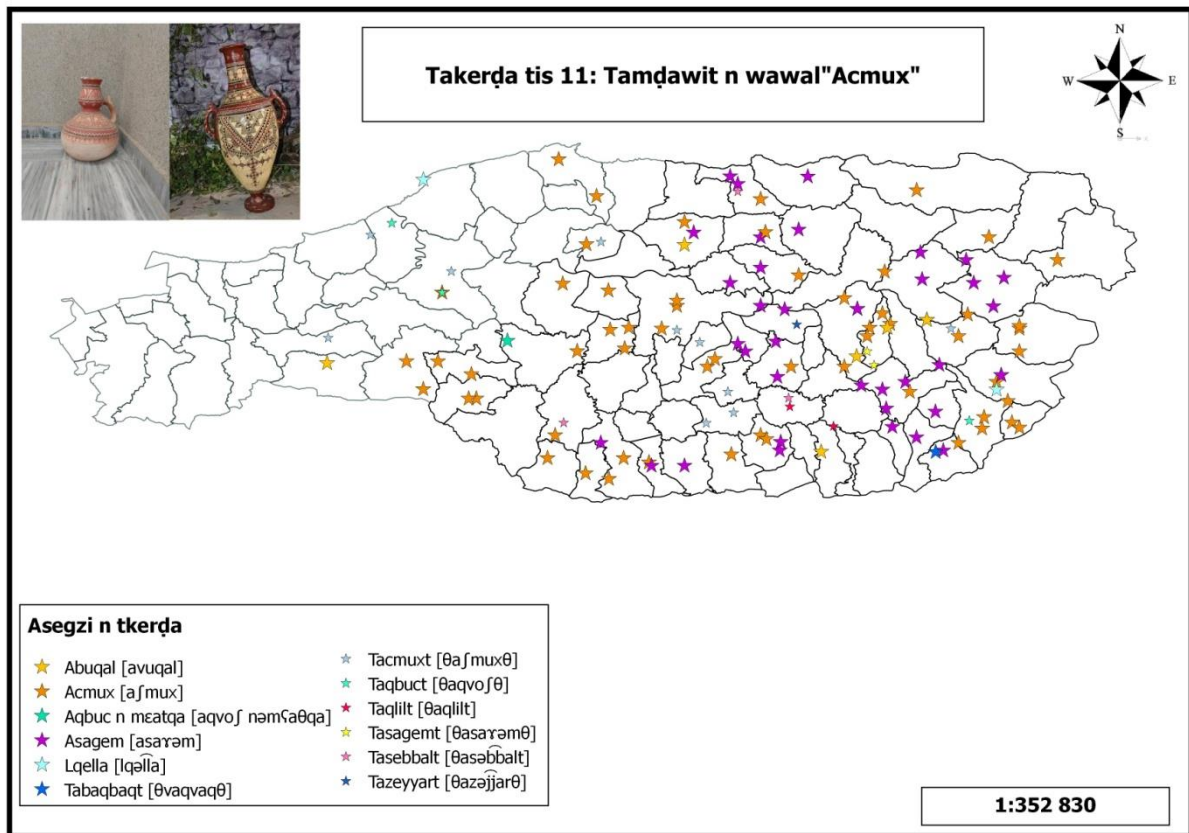
- Tetten deg-sen-t.

### Tamawt

Takerđa temmal-ađ-d d akken deg tuget n temnađin sexxdamen awal « Lđefna ».

Awalen iređđalen : seg tutlayt n taerabt : awalen [lđefna, đefna, ljefna] I d-yekkan seg wawal «جفنة» azar-is ĞFN.

### 3.11 Tamđawit n wawal « Acmux »



**Acmux** : d yiwen wallal i llan sexddamen zik i wagem n waman ,llan wid-ak it-yettawin yef uerur , llan wid-ak it-yettawin yef uqqu.

- Takerđa temmal-ay-d tamđawit n wawal « Acmux » deg temnađin n unadi.

**Asegzi n tamayt** : tamayt temmal-ay-d d akken awal « Acmux » yesea krađ temđawiyin : amawal, tasnalya, tasnamka.

#### 3.11.1 Deg umawal

**Abuqal[avuqal]**:ad t-naf deg 05 n temnađin (72, 73, 74, 103, 120).

**Acmux[aɣmux]** : ad t-naf deg tuget n temnađin 60 (01, 02, 03, 07, 08, 09, 10, 11, 12, 13, 20, 23, 25, 28, 32, 33, 34, 36, 37, 38, 41, 42, 43, 47, 48, 49, 50, 51, 52, 55, 56, 57, 58, 59, 60, 69, 70, 71, 76, 83, 85, 86, 87, 89, 91, 92, 94, 97, 98, 101, 107, 108, 110, 111, 112, 119, 121, 129, 130, 132).

**Aqɣuc n meatqa [aɣboɣ nəmɣaθqa]** : ad t-naf deg yiwen n temnađt (88) .

**Asagem**[asaxəm] : ad t-naf deg 37 temnaḍin (5, 6, 13, 14, 19, 22, 24, 26, 27, 29, 30, 39, 40, 46, 53, 54, 61, 62, 64, 65, 66, 67, 68, 75, 77, 78, 79, 90, 104, 105, 106, 123, 125, 127).

**Lqella** [lqəlla] : ad t-naf deg snat n temnaḍin (35, 113).

**Tabaqbaqt** [tavaqvaqt] : ad t-naf deg yiwet n temnaḍt ( 63).

**Tazeyyart** [θazəjjarθ] : ad t-naf deg yiwet n temnaḍt (95).

**Taqlilt** [θaqlilt] : ad t-naf deg 2 temnaḍin (28, 118).

**Tasebbalt** [θasəbbalt] : ad t-naf deg 3 temnaḍin (80, 96, 102).

### 3.11.2 Deg tesnalya

#### 1) Talya n wunti

**Acmux**(ml,sf) asalay  $ac_1c_2uc_3 \rightarrow$  **Tacmuxt**(nt,sf) asalay  $(t)ac_1c_2uc_3(t)$  : ad t-naf deg 10 n temnaḍin (15, 21, 84, 44, 81, 82, 93, 99, 100, 128).

**Aqbuc**(ml,sf) asalay  $ac_1c_2uc_3 \rightarrow$  **Taqbuct**(nt,sf) asalay  $(t)ac_1c_2uc_3(t)$  : ad t-naf deg 3 n temnaḍin (11, 116, 122).

**Asagem**(ml,sf) asalay  $ac_1ac_2c_3 \rightarrow$  **Tasagemt**(nt,sf) asalay  $(t)ac_1ac_2c_3(t)$  : ad t-naf deg 2 temnaḍin (17, 18).

#### 2) Asuddem :timerna n uzwir

As  $\rightarrow$  asagem

#### 3) Awal uddis

Awal+n+awal  $\rightarrow$  aqbuc n meatqa

### 3.11.3 Deg tesnamka

**Taqbuct** :sexdamen-t i tugma n waman .

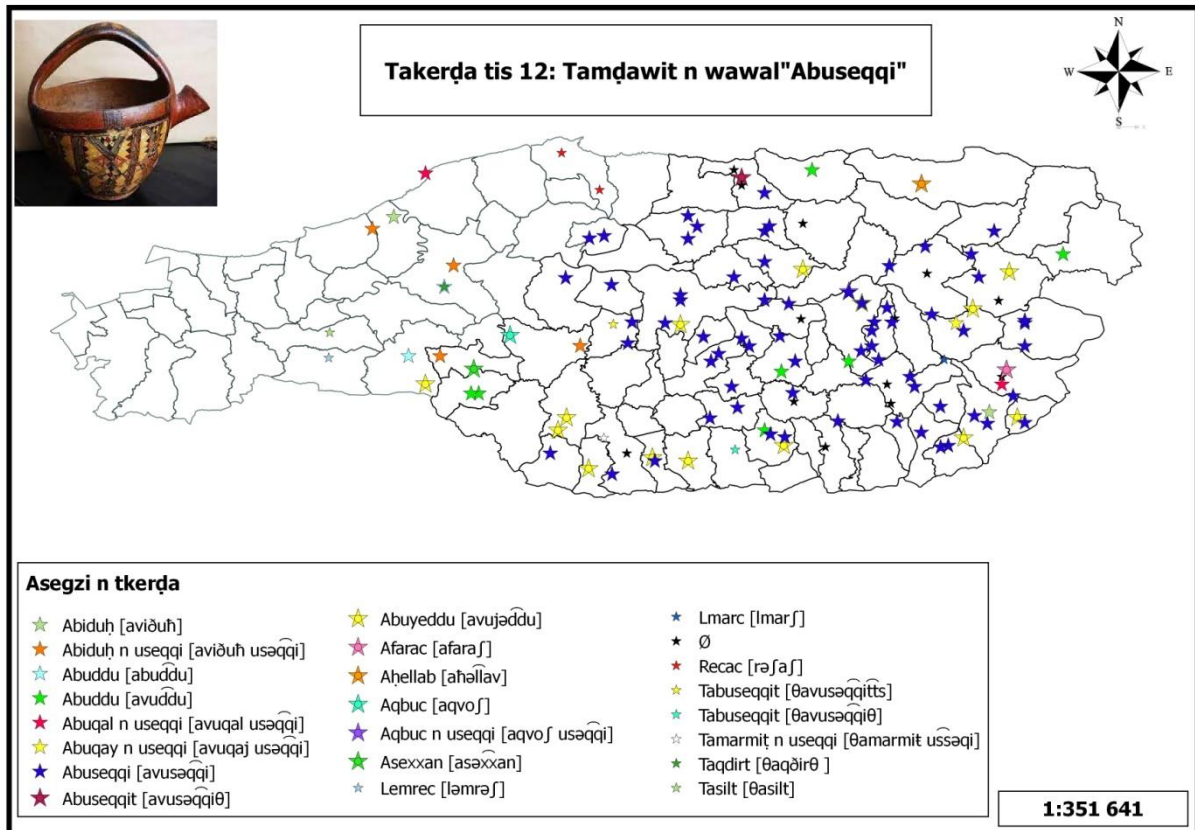
-sexdamen-t i userbi n n lmakla .

- sexdamen-t I wejmae d tisit n yiwi.

**Tamawt**

Takerḍa-agi temmal-ay-d d akken tuget n temnaḍin sexddamen awalen « Acmux,Asagem », acmux (Tizi Wezzu, Bumerdas) asagem (Tizi Wezzu).

### 3.12 Tamḍawit n wawal « Abuseqqi »



**Abuseqqi** : d yiwen n wallal sexddamen zik i userbi n useqqi.

- Takerḍa temmal-ay-d tamḍawit n wawal « Abuseqqi» deg temnaḍin n unadi.

**Asegzi n tamayt** : tamayt temmal-ay-d d akken awal « Abuseqqi » yes3a ukuz(04) n temḍawiyin : amawal, tamsislit, tasnalya, tasnamka. ḍayen deg kra n tamnaḍin ur tseqdacen ara.

#### 3.12.1 Deg umawal

**Abiduh [aviðuh]**: ad t-naf deg 02 n temnaḍin (50, 115).

**Afarac [afaraʃ]**: ad t-naf deg yiwet n temnaḍt (123).

**Aḥellab [aḥellav]**: ad t-naf deg yiwet n temnaḍt (119).

**Aqbuc [aɣvoʃ]:** ad t-naf deg yiwet n temnađt (88).

**Asexxan [asəxxan]:** ad t-naf deg yiwet n temnađt (57).

**Recac [rəfaʃ]:** ad t-naf deg 02 n temnađin (107, 108).

**Taqdirt [θaɣđirθ]:** ad t-naf deg yiwet n temnađt (116).

**Tasilt [θasilt]:** ad t-naf deg yiwet n temnađt (114).

**Abuseqqi [avusəqqi]:** ad t-naf deg 64 n temnađin (2, 03, 04, 05, 14, 06, 13, 16, 17, 18, 19, 25, 26, 29, 30, 32, 33, 34, 36, 37, 38, 39, 40, 41, 42, 43, 45, 47, 49, 60, 61, 62, 63, 64, 68, 69, 70, 71, 72, 73, 74, 76, 77, 78, 83, 84, 85, 91, 92, 93, 94, 96, 97, 98, 99, 100, 103, 118, 122, 124, 126, 128, 129).

**Abuddu [avuddu]:** Ad t-naf deg 07 n temnađin (11, 12, 75, 55, 56, 89, 90).

### 3.12.2 Deg temsislit

**Abuyeddu [avujəddu]:** timerna n tgenayri « y » yer uzar D [abuddu] asalay ac<sub>1</sub>C<sub>2</sub>u → [avuyeddu]asalay ac<sub>1</sub>(y)C<sub>2</sub>u .Ad t-naf deg 14 n temnađin (01, 10, 31, 46, 48, 51, 52, 54, 59, 101, 102, 104, 105, 110).

**Abuddu [abuddu]:** tazenayt [b] tetwanraq d tazenayt [b], [abuddu] → [abuddu] azar-is D. Ad t-naf deg snat n temnađin (111, 112).

**Tabuseqqit [θavusəqqitts]:** tazenayt [θ] yetwanraq d taznaggayt [tts], [θavusəqqiθ] → [θavusəqqitts] d awal arettal seg tutlayt n taerabt yekka-d seg wawal« سقى » azar-is SQ. Ad t-naf de yiwet n temnađt (86) .

**Abuseqqit [abuseqqiθ]:** timerna n taggayt « t » yer uzar SQ. [abuseqqi] → [abuseqqit]. D awal arettal seg tutlayt n taerabt yekka-d seg wawal« سقى ».Ad t-naf deg yiwet n temnađt(79) .

**Abuqay n useqqi [abuqaj usəqqi]:** timidist [l] tetwanraq d tgenayri [y]: [abuqal] [abuqaj] ad t-naf deg yiwet n temnađt (21).

### 3.12.3 Deg tesnalya

#### 1) Talya n wunti

**Abuseqqi(ml,sf)** asalay a(b)uc<sub>1</sub>C<sub>2</sub>i → **Tabuseqqit** asalay (t)a(b)uc<sub>1</sub>C<sub>2</sub>i(t) : Ad t-naf deg yiwet n temnađt (121).

2) **Ayelluy n teyra**

**Lmarc [lmarʃ], Lemrec [ləmrəʃ]** : ayelluy n teyra « a »: [lmarc] → [lemrec]. D awal aretṭal seg tutlayt n taerabt « مرش » aẓar-is RC, asalay : Lemrec [ləmrəʃ] → (lm)c<sub>1</sub>c<sub>2</sub>. Lmarc [lmarʃ] → (lm)ac<sub>1</sub>c<sub>2</sub>. Ad t-naf deg temnađt (106).

3) **Timerna n uzwir**

**Abu** : - **Abuseqqi /tabuseqqit**

- **Abuddu /abuyeddu**

4) **Awalen uddisen**

**Awal+n+awal** : - Abiduh n useqqi : ad t-naf deg 04 n temnađin (58, 81, 82, 87).

- Abuqal n useqqi : ad t-naf deg 02 n temnađin (35, 113).

- Aqbuc n useqqi : ad t-naf deg yiwet n temnađt (15).

- Tamarmiṭ n useqqi: ad t-naf deg yiwet n temnađt (53).

**3.12.4 Deg tesnamka**

**Akasrun, Abiduh, Tasilt, Tñijra, Taqdir** :- sexdamen-ten i usewwi

- sexdamen-ten i userbi.

**Aḥellab** :- sexdamen-t i useqqi.

-tezgen-d yur-s ayefki.

- Jemmaæen deg-s aseqqi.

**Aqbuc** :- ttagmen-d deg-s aman.

-jemmaæen deg-s iyi.

- Jemmaæen deg-s aseqqi

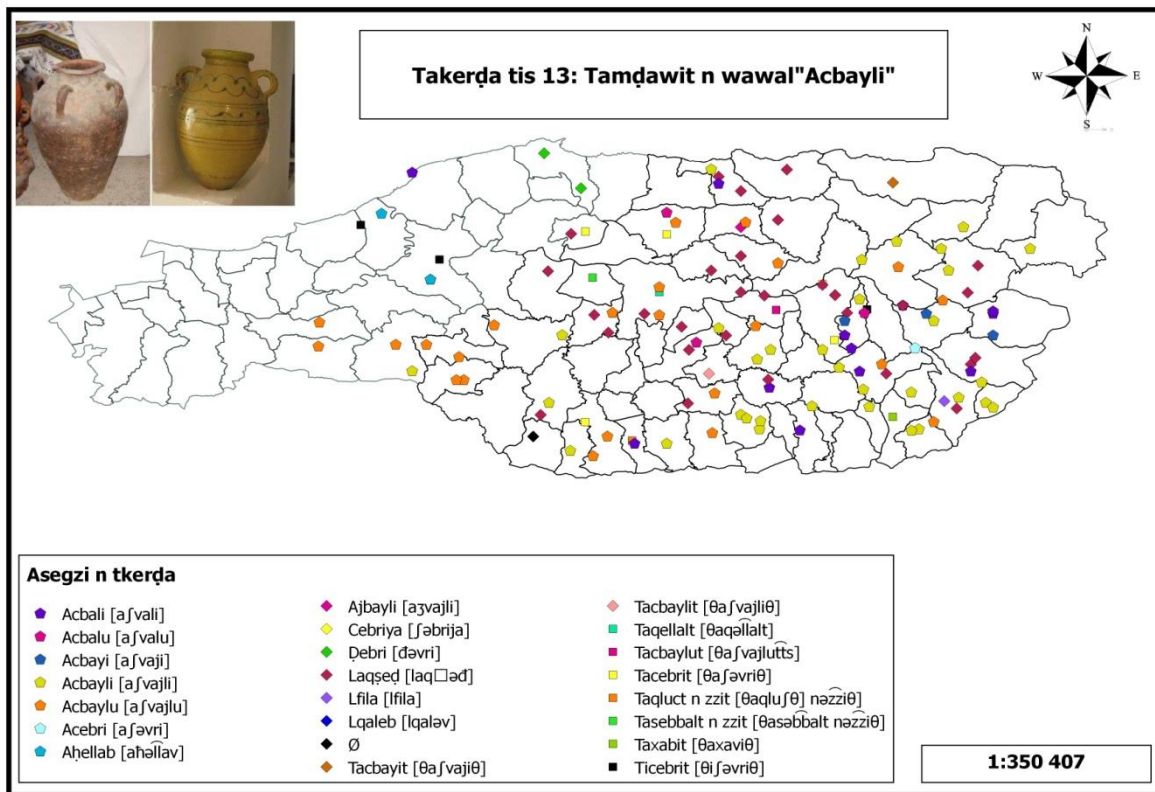
- Timnađin anda ur tseqdacen ara(Ø): llant 14 n temnađin(07,08,09,23, 24,27,28,65,66, 80,95,117, 125, 127).

**Tamawt :**

Takerđa-agi temmal-ay-d d akken tuget n temnađin sexddamen awal « Abuseqqi ».

Awalen iretđalen : seg tutlayt tafransist : [tamarmiđ n useqqi] yekka-d seg wawal « Marmite ».

Seg tutlayt taerabt : [asexxan] yekka-d seg wawal « ساخن » azar-is **SXN**, [recac] yekka-d seg wawal « رشاش » azar-is **RC**. [abuseqqi] yekka-d seg wawal « سقى » azar-is **SQ**.

**3.13 Tamđawit n wawal « Acbayli »**

**Acbayli** :d yiwen n wallal sexddamen zik i wejmeɛ n zzit.

- Takerđa temmal-ay-d tamđawit n wawal « Acbayli » deg temnađin n unadi.

**Asegzi n tamayt** : tamayt temmal-ay-d d akken awal « Acbayli » yesɛa ukuz (04) n temđawiyin : amawal, tamsislit, asnalɣa, tasnamka, dayen yella wanda utseqdacen ara.

### 3.13.1 Deg umawal

**Laqşed [laq əđ]** : ad t-naf deg 29 temnađın (04, 05, 16, 23, 24, 39, 40, 41, 43, 52, 67, 68, 69, 70, 72, 79, 83, 85, 86, 90, 96, 97, 99, 104, 105, 123, 124, 125, 128).

**Acbali [afvali]** : ad t-naf deg 12 n temnađın (07, 17, 18, 28, 65, 35, 117, 80, 91, 92, 109, 113).

**Acebri [afəvri]** : ad t-naf deg yiwet n temnađt (106).

**Aħellab [ahəlləb]** : ad t-naf deg snat n temnađın (115, 116).

**Cebriya [fəbrija]** : ad t-naf deg yiwet n temnađt (51).

**Đebri [dəbri]** : ad t-naf deg snat n temnađın (107, 108).

**Lfila [lfila]** : ad t-naf deg yiwet n temnađt (122).

**Lqaleb [lqələv]** : ad t-naf deg yiwet n temnađt (2).

**Taqellalt [θaqəllalt]** : ad t-naf deg yiwet n temnađt (37).

**Taqluct n zziť [θaqluťθ nəzziť]** : ad t-naf deg yiwet n temnađt (10).

**Tasebbalt n zziť [θasəbbalt nəzziť]** : ad t-naf deg yiwet n temnađt (38).

**Taxabit [θaxaviť]** : ad t-naf deg yiwet n temnađt (64)

### 3.13.2 Deg temsislit

**Acbayli [afvajli]** : timerna n tgenayri « y » yer uzar CBL [afvali] → [afvajli] ad t-naf deg 33 n temnađın (3, 6, 11, 12, 14, 19, 20, 22, 25, 26, 27, 29, 31, 32, 34, 46, 50, 54, 59, 60, 61, 62, 63, 66, 75, 87, 89, 101, 102, 118, 126, 129, 130).

**Acbayi [afvaji]** : timidist [l] tetwantaq d tezgennayri [y] [afvali] → [afvaji] ad t-naf deg 03 n temnađın (21, 33, 36).

**Tacbayit [θafvajiť]** : timidist [l] tetwantaq d tezgennayri [y] [θafvaliť] → [θafvajiť] ad t-naf deg yiwet n temnađt (119).

**Ajbayli [azvajli]** : tawecwact [c] tetwantaq d tawwecwact [j]:[afvajli] → [azvajli] timerna n tezgennayri [Y] yer uzar CBL. Ad t-naf deg yiwet n temnađt (13).

**Tacbaylut [θafvajlutts]** : tazenzayť [ť] tetwantaq d taznaggayť [tts],[θafvajluť] → [θafvajlutts] ad t-naf deg yiwet n temnađt (95).

### 3.13.3 Deg tesnalya

#### 1) Talya n wunti

**Acbayli(ml,sf)** asalay  $ac_1c_2(y)c_3i \rightarrow$  **Tacbaylit (nt,sf)** asalay  $(t)ac_1c_2(y)c_3i(t)$ , ad t-naf deg yiwet n temnađt (93).

**Acebri(ml,sf)** asalay  $ac_1c_2c_3i \rightarrow$  **Tacebrit(ml,sf)** asalay  $(t)ac_1c_2c_3i(t)$ , ad t-naf deg 06 temnađin (09,15,53, 73,74,84).

#### 2) Abeddel n teyra

**Acbaylu [afvajlu]** : yer tagara n wawal  $i \rightarrow u$  : asalay  $ac_1c_2(y)c_3i \rightarrow ac_1c_2(y)c_3u$  ad t-naf deg 24 n temnađin (01, 08, 12, 30, 47, 84, 56, 55, 57, 58, 76, 77, 78, 88, 94, 98, 100, 110, 111, 112, 114, 120, 121,127).

**Acbalu [afvalu]** : yer tagara n wawal  $i \rightarrow u$  asalay  $ac_1c_2ac_3i \rightarrow ac_1c_2ac_3u$ . Ad t-naf deg 03 n temnađin (42, 71, 103).

**Ticebrit [θifəvriθ]** : yer taga n wawal  $a \rightarrow i$  asalay  $(t)ac_1c_2c_3i(t) \rightarrow (t)ic_1c_2c_3i(t)$  ad t-naf deg snat temnađin (81, 82)

**Tacbaylut [θafvajlutts]** : yer tagara n wawal  $i \rightarrow u$  asalay  $(t)ac_1c_2a(y)c_3i(t) \rightarrow (t)ac_1c_2(y)c_3u(t)$  ad t-naf deg yiwet n temnađt (95).

#### 3) Awalen uddisen

**Awal+n+awal** : - Taqluct n zzit

-Tasebbalt n zzit

### 3.13.4 Deg Tesnamka

**Aħellab** : -Sexdamen-t i unejmue n yiđi .

-Sexdamen-t i unejmue n waman .

-Sexdamen-t i usewwi deg tmayriwen.

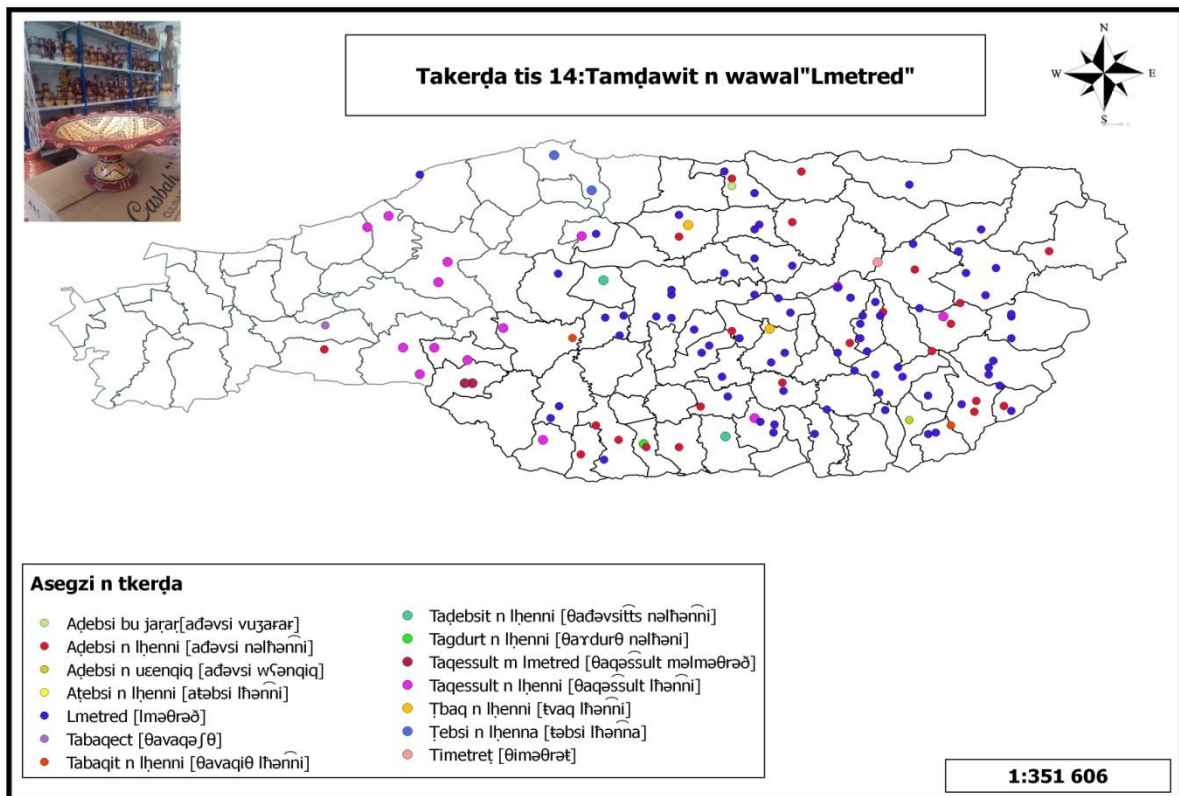
-Ttezgen-d yur-s ayefki.

- Timnaḍin anda ur tseqdacen ara (Ø) :tella yiwet (Frikat)

### Tamawt

Takerḡa temmal-ay-d d akken deg tuget n temnaḍin sexddamen awalen « Acbayli,Laqṣeḡ »

### 3.14 Tamḡawit n wawal « Lmetred »



**Lmetred** :d yiwen n wallal sexddamen zik i tuqqna n lhenni, llan wid yettfen deg-s ar tura mazal sexddamen-tt, llan wid rrant di rrif i cbaḡa kan.

- Takerḡa temmal-ay-d tamḡawit n wawal « Lmetred » deg temnaḍin n unadi.

**Asegzi n tamayt** : tamayt temmal-ay-d d akken awal « Lmetred » yesəa ukuz(04) n temḡawiyin : amawal, tamsislit, tasnalya, tasnamka.

### 3.14.1 Deg umawal

**Ađebsi bu jarar [ađəvsi vuʒarar]** : ad t-naf deg yiwet n temnađt (80).

**Ađebsi n lħenni [ađəvsi nəlhənni]** : ad t-naf deg 23 n temnađin (06, 07, 08, 09, 20, 24, 31, 45, 46, 50, 59, 73, 74, 79, 89, 90, 96, 99, 106, 109, 110, 120, 127).

**Ađebsi n uəenqiq [ađəvsi wəənqiq]** : ad t-naf deg yiwet n temnađt (64).

**Lmetred [lməθrəð]** : ad t-naf deg tuget n temnađin 73 (01, 02, 03, 04, 05, 11, 13, 14, 16, 17, 18, 19, 22, 23, 25, 26, 27, 28, 30, 32, 33, 35, 36, 37, 39, 40, 41, 42, 43, 44, 47, 52, 60, 61, 62, 63, 65, 66, 68, 67, 69, 70, 71, 72, 75, 76, 83, 84, 86, 91, 92, 93, 94, 95, 97, 98, 100, 102, 103, 104, 105, 113, 117, 118, 119, 122, 123, 124, 125, 126, 128, 129, 130).

**Tabaqit n lħenni [θavaqiθ nəlhənni]** : ad t-naf deg snat n temnađin (48, 87).

**Tagdurt n lħenni [θaxðurθ nəlhənni]** : ad t-naf deg snat n temnađin (10, 49).

**Taqessult m lmetred [θaqəssult məlməθrəð]** : ad t-naf deg snat n temnađin (55, 56).

**Taqessult n lħenni [θaqəssult nəlhənni]** : ad t-naf deg 13 n temnađin (12, 15, 21, 57, 58, 81, 85, 88, 101, 111, 112, 115, 116).

**Tabaqect [θavaqəʃθ]** : ad t-naf deg yiwet n temnađt (114).

**Tbaq n lħenni [tvaq nəlhənni]** : ad t-naf deg snat n temnađin (77, 78).

### 3.14.2 Deg temsislit

**Aṭebsi n lħenni [aṭəvsi nəlhənni]** : tiyfuqlant tuffayt [d] tetwantaq d tiyfuqlant tuffayt [t] : [ađəbsi] → [aṭəvsi]. Ad t-naf deg yiwet n temnađt (51).

### 3.14.3 Deg tesnalya

#### 1. Talya n wunti

**Lmetred (ml,sf)** asalay  $(l)c_1c_2c_3c_4 \rightarrow$  **Timetreṭ (nt,sf)** asalay  $(t)ic_1c_2c_3c_4$  : ad t-naf deg yiwet n temnađt (34).

**Ađebsi n lħenni (ml,sf)/(ml,sf)** asalay  $ac_1c_2c_3i/c_1c_2c_3 \rightarrow$  **Tađebsit n lħenni (nt,sf)/(ml,sf)** asalay  $(t)ac_1c_2c_3i(t)/c_1c_2c_3$ . ad t-naf deg snat n temnađin (38, 121).

#### 2. Ayelluy n umagrad

**Ṭebsi n lḥenna** [təbsi nəlḥənnə] : ayelluy n umagrad « a » : [aṭebsi] a<sub>1</sub>c<sub>1</sub>c<sub>2</sub>c<sub>3</sub>i → [ṭebsi] Ø<sub>1</sub>c<sub>1</sub>c<sub>2</sub>c<sub>3</sub>i  
 abeddel n teyra i → a , yer taggara n wawal : [lḥenni](l)c<sub>1</sub>c<sub>2</sub>i → [lḥenna] (l)c<sub>1</sub>c<sub>2</sub>a. Azar-is  
 DBS/HN. Ad t-naf deg snat n temnaḍin (107 ,108).

### 3. Awalen uddisen

**Awal+n+awal** : - Aḍebsi n lḥenni/Taḍebsit n lḥenni /Aṭebsi n lḥenni

- Ṭbaq n lḥenni
- Taqessult n lḥenni
- Tagdurt n lḥenni
- Aḍebsi n uenqiq
- Tabaqit n lḥenni

### 4. Asuddem : timerna n uzwir

**Lm** → **lmetred**

#### 3.14.4 Deg tesnamka

**Tabaqect** : - sexdamen-t i lḥamu n lmakla .

- Sexdamen-t i tuqna n lḥenni.
- Sexdamen-t i wučči n lmakla.

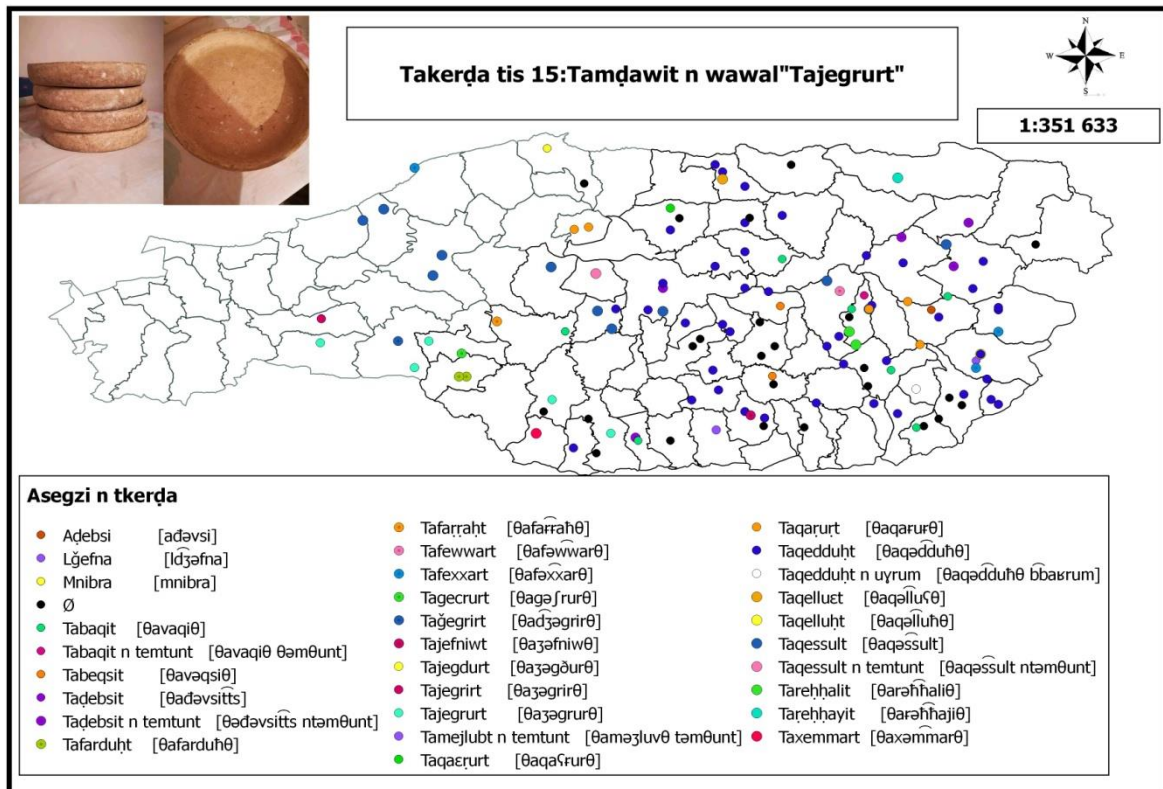
**Lmetred** : - tteqnen deg-s lḥenni.

- tetten deg-s .
- tserbin deg-s lmakla.

#### Tamawt

Takerḍa-agi temmal-ay-d d akken tuget n temnaḍin sexddamen awal « Lmetred »

## 3.15 Tamđawit n wawal « Tajegrurt »



**Tajegrurt** : d allal anda ttaran zik ayrum akken ad yexmer ney ad icuf, mazalt sexddament ar tura d acu kan llan wid ur ten-sexddem ara ni zik ni tura.

- Takerđa temmal-ay-d tamđawit n wawal « Tajegrurt » deg temnađin n unadi.

**Asegi n tamayt** : tamayt temmal-ay-d temmal-ay-d d akken awal « Tajegrurt » yesea ukuz (04) n temđawiyin : amawal, tamsislit, tasnalya, tasnamka, dayen yella wanda ur tseqqdacen ara.

## 3.15.1 Deg umawal

**Ađebsi [ađəvsi]** : ad t-naf deg yiwet n temnađt (21).

**Lđefna [ldʒəfna]** : ad t-naf deg yiwet n temnađt (23).

**Mnibra [mnibra]** : ad t-naf deg yiwet n temnađt (107).

**Tabaqit [θavaqiθ]** : ad t-naf deg 07 n temnađin (01, 04, 63, 69, 87, 109, 110).

**Tabaqit n temtunt [θavaqiθ θəmθunt]** : ad t-naf deg yiwet n temnađt (03).

- Tabeqsit [θavəqsiθ]** : ad t-naf deg snat n temnađin (95, 96).
- Tađebsit n temtunt [θadəvsitts ntəmθunt]** : ad t-naf deg 05 n temnađin (10, 26, 19, 25, 37).
- Tafarduđt [θafarduθ]** : ad t-naf deg snat n temnađin (55, 56).
- Tafarrađt [θafarrađt]** : ad t-naf deg yiwzt n temnađt (88).
- Tafewwart [θafəwwarθ]** : ad t-naf deg yiwet n temnađt (124).
- Tafexxart [θafəxxarθ]** : ad t-naf deg 03 n temnađin (35, 36, 113).
- Tagecrurt [θagəfrurθ]** : ad t-naf deg yiset n temnađt (57).
- Tağegrirt [θadzəgrirθ]** : ad t-naf deg snat n temnađin (111, 112).
- Tajefniwt [θazəfniwθ]** : ad t-naf deg yiwet n temnađt (130).
- Tajegdurt [θazəgđurθ]** : ad t-naf deg yiwet n temnađt (51).
- Tamejlubt n temtunt [θaməzluvθ təmθunt]** : ad t-naf deg yiwet n temnađt (121).
- Taqaɣurɣt [θaqaɣurθ]** : ad t-naf deg 05 n temnađin (72, 84, 85, 106, 103).
- Taqədduđt [θaqədduhθ]** : ad t-naf deg 41 n temnađin (05, 06, 09, 12,11, 13, 20, 24, 27, 29, 30, 31, 32, 34, 39, 40, 43, 55, 59, 61, 64, 67, 68, 70, 73, 74, 79, 91, 92, 93 , 94, 98, 99, 100, 104, 123, 125, 126, 127, 128, 129).
- Taqədduđt n uyrum [θaqədduhθ bbəɣrum]** : ad t-naf deg yiwet n temnađt (14).
- Taqəlluɣt [θaqəlluɣθ]** : ad t-naf deg yiwet n temnađt (80).
- Taqəssult [θaqəssult]** : ad t-naf deg 10 n temnađin (02, 16, 22, 44, 81, 82, 83, 86, 97, 116).
- Taqəssult n temtunt [θaqəssult ntəmθunt]** : ad t-naf deg yiwet n temnađt (38).
- Tarehhalit [θarəhhaliθ]** : ad t-naf deg snat temnađin (17, 18).
- Taxemmart [θaxəmmarθ]** : ad t-naf deg yiwet n temnađt(49).

### 3.15.2 Deg temsislit

**Tajegrirt[θazəgrirθ]** : taznaggayt [ğ] tettwanɣaq d tawecwact [j]:[θadzəgrirθ] → [θazəgrirθ] ad t-naf deg yiwet n temnađt(114).

**Taqaɣurɣt[θaqaɣurθ]** : timerna n targalt tagerjumant [ɣ] deg ususru : [θaqaɣurθ] → [θaqaɣurθ] ad t-naf deg yiwet n temnađt(71).

**Taqəlluđt [θaqəlluđt]** : taggayt [d] yetwanɣaq d timidist [l] [θaqədduhθ] → [θaqəlluđt] ad t-naf deg yiwet n temnađt (105).

**Tareħħayit[θarəħħajiθ]** :timidist [l] yettwantaqd tgenayri[y] : [θarəħħaliθ]→ [θarəħħajiθ] ad t-naf deg yiwet n temnađt (119).

### 3.15.3Deg tesnalya

#### 1) Talya n wunti

**Ađebsi(ml,sf)** asalay  $ac_1c_2c_3i$  → **Tađebsit(nt,sf)** asalay  $(t)ac_1c_2c_3i(t)$  : ad t-naf deg yiwet n temnađt (15).

#### 2) Abeddel n teyra

**Tajegrurt [θazəgrurθ]** : i → u asalay  $(t)ac_1c_2c_3ic_3(t)$  →  $(t)ac_1c_2c_3uc_3(t)$ . Ad t-naf deg 06 n temnađin (07, 08, 58, 101, 102, 120).

#### 3) Awalen uddisen

**Awal+n+awal** : - Tabaqit n temtunt  
 -Tađebsit n temtunt  
 - Tamejlubt n temtunt  
 -Taqedduđt n uyrum  
 -Taqessult n temtunt

#### 4) Asuddem :timerna n uzwir

**Am** → tamejlubt n temtunt

### 3.15.4Deg tesnamka

**Ađebsi** : - sexdamen-t i tuqqna n lħenni .

- Sexdamen-t i uxemmar n temttunt .

- tetten deg-s.

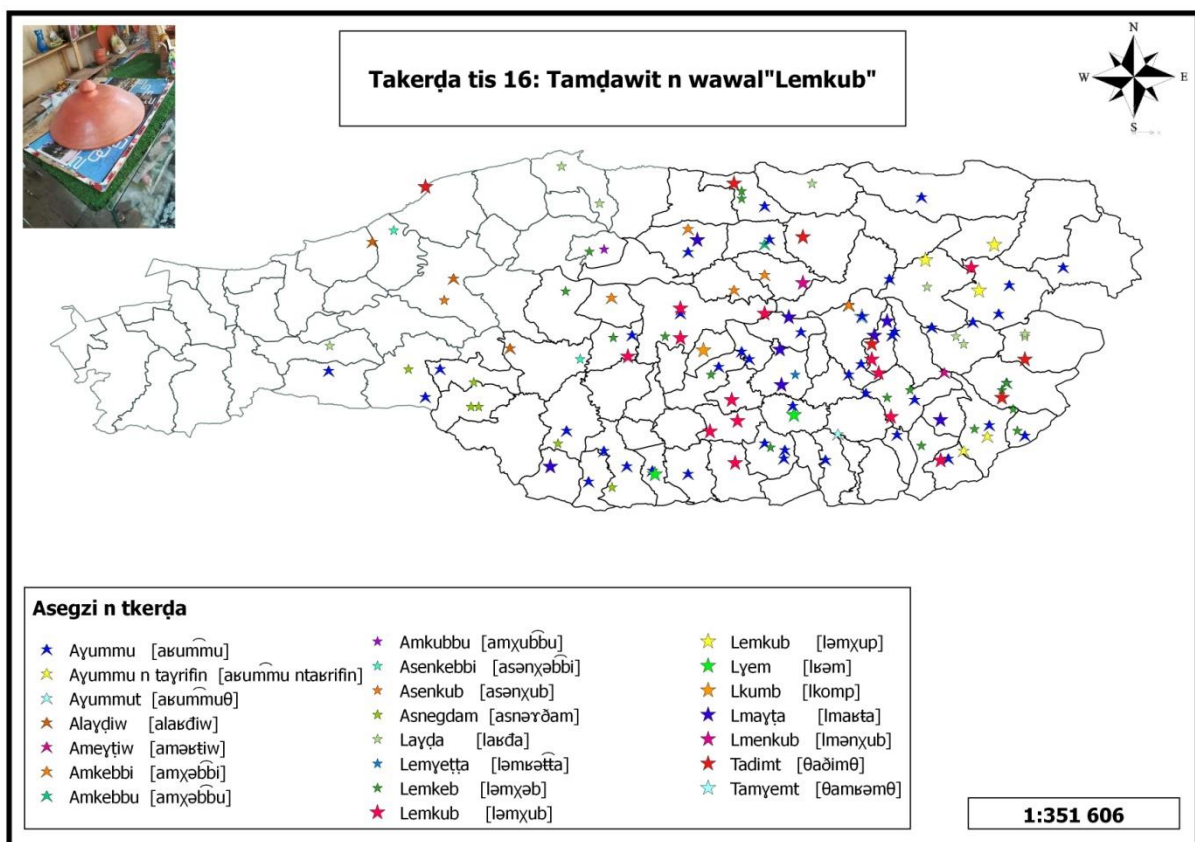
- Timnađin anda ur tseqqdacen ara(Ø) llant 23 n temnađin(28, 33, 44, 42, 45, 46, 47, 48, 52, 53, 54, 60, 62, 65, 66, 75, 77, 78, 89, 90, 108, 117, 122).

**Tamawt**

Takerđa-agi temmal-ay-d d akken tuget n temnađin (Tizi Wezzu) sexdamen awal «Taqedduht ».

Awalen iretđalen seg tutlayt n taerabt : awalen « Lđefna, Tajefniwt» kkan-d seg wawal « جفنة » azar-is ĞFN, awal « Tafewwart » yekka-d seg wawal « فوار » azar-is FWR, awal « Tafexxart » yekka-d seg wawal « فخار » azar-is FXR, awal « Tamejlubt » yekka-d seg wawal « جلب » azar-is ĞLB, awal « Taxemmart » yekka-d seg wawal « خمر » azar-is XMR.

### 3.16 Tamđawit n wawal « Lemkub »



**Lemkub** : d yiwen n wallal sexddamen zik i usewwi n tayrifin (tyumun s-yes tiyrifin akken ad wwent s ufella.

- Takerđa temmal-ay-d tamđawit n wawal « Lemkub » deg temnađin n unadı.

**Asegi n tamayt** : tamayt temmal-ay-d d akken awal « Lemkub » yesəa krađ n temđawiyin : amawal, tamsislit, tasnalya.

### 3.16.1 Deg umawal

**Ayumu**[a<sup>u</sup>mmu] : ad t-naf deg 42 temnađin (05, 06, 07, 08, 09, 10, 11, 12, 29, 34, 32, 37, 42, 46, 50, 53, 54, 58, 59, 61, 62, 69, 70, 72, 73, 74, 76, 89, 96, 98, 101, 94, 95, 104, 110, 117, 119, 120, 124, 125, 126).

**Ameđiw**[aməđiw] : ad t-naf deg yiwet n temnađt (106).

**Asnegdam**[Asnəđam] : ad t-naf deg 07 n temnađin (47,52,55,56,57,111,112.) .

**Lemkəb**[ləmχəb] : ad t-naf deg 16 n temnađin (23, 30, 31, 41, 43, 64, 65, 79, 80, 83, 85, 86, 122, 123, 129, 130) .

**Lyem**[lɛəm] : ad t-naf deg snat n temnađin (28, 109).

**Tadimt**[θađimθ] : ad t-naf deg 06 n temnađin (24, 27, 33, 35, 36, 113).

**Alayđiw**[aləđiw] : ad t-naf deg 03 n temnađin (88, 81, 82).

**Lkumb**[lχumb] : ad t-naf deg snat n temnađin (77, 78).

### 3.16.2 Deg temsislit

**Ayumu**t[a<sup>u</sup>mmuθ] : timerna n taggayt [t] : [a<sup>u</sup>mmu] → [a<sup>u</sup>mmuθ] ad t-naf deg yiwet n temnađt (118).

**Lemkub**[ləmχup] : taggayt [b] tettwanəq d [p] : [ləmχub] → [ləmχup] ad t-naf deg 03 n temnađin (25, 26, 19).

**Asenkub**[asənχub] : ayelluy n tussda : [asənχəbbi] → [asənχub], ad t-naf deg yiwet n temnađt (116).

**Alayđiw, Ameđiw** : timerna n tezgennayri[w] : [ləđa] → [aləđiw], [lmađta] → [aməđiw].

### 3.16.3 Deg tesnalya

#### 1. Talya n wunti

**Ameđiw**(ml,sf) asalay (am)c<sub>1</sub>c<sub>2</sub>i(w) → **Lmayta**(nt,sf) asalay (lm)ac<sub>1</sub>c<sub>2</sub>a, ad t-naf deg 06 n temnađin (03, 04, 14, 40, 49, 7).

→ **Layđa(nt,sf)**asalay (l)ac<sub>1</sub>c<sub>2</sub>a,ad t-naf deg 08 n temnađin (20, 21, 90, 91, 92, 107, 108, 114).

→ **Lemyeđđa(nt,sf)**asalay (lm)c<sub>1</sub>C<sub>2</sub>a,ad t-naf deg yiwet n temnađt (60).

**Lyem(ml,sf)**asalay (l)c<sub>1</sub>c<sub>2</sub> → **Tamyemt(nt,sf)**asalay (tam)c<sub>1</sub>c<sub>2</sub>(t), ad t-naf deg yiwet n temnađt (51).

## 2. Abeddel n teyra

**Amkubbu[amχubbu]**: yer tazwara n wawal e → u, yer tagara n wawal i → u, [amkebbi] (am)c<sub>1</sub>C<sub>2</sub>i → [amkubbu](am)c<sub>1</sub>uC<sub>2</sub>u, ad t-naf deg yiwet n temnađt (84) .

**Lemkub[ləmχub]** : yer tagara n wawal e → u : [lemkeb](lem)c<sub>1</sub>c<sub>2</sub> → [lemkub](lem)c<sub>1</sub>uC<sub>2</sub>, ad t-naf deg 13 n temnađin (17, 18, 22, 39, 44, 63, 66, 93, 94, 97, 99, 100, 121).

**Amkebbu [amχəbbu]**: yer tagara n wawal i → u : [amkebbu](am)c<sub>1</sub>C<sub>2</sub>u → [amkebbi](am)c<sub>1</sub>C<sub>2</sub>i, ad t-naf deg snat n temnađin( 13,105).

## 3. Ayelluy n umagrad

**Lemyeđđa** : [Lmayđa](lm)ac<sub>1</sub>c<sub>2</sub>a → [Lemyeđđa](lm)Øc<sub>1</sub>C<sub>2</sub>a, ad t-naf deg 06 temnađin (03, 04, 14, 40, 49,75).

## 4. Asuddem :timerna n uzwir

**Am** : - **Amkebbi** [amχəbbi] : ad t-naf deg 07 temnađin (02,15, 16, 38, 67,68, 71).

- **Amkebbu**
- **Amkubbu**
- **Ameytiw**

**Lem** : - **Lmenkub**,ad t-naf deg yiwet n temnađt (128).

- **Lemyeđđa**
- **Lemkub**
- **Lemkəb**

**Al** → **Alayđiw**

**Asen** : - **Asenkebbi**,ad t-naf deg snat n temnađin (87, 115).

- **Asenkub**

- Asnegdam

5. Awalen uddisen

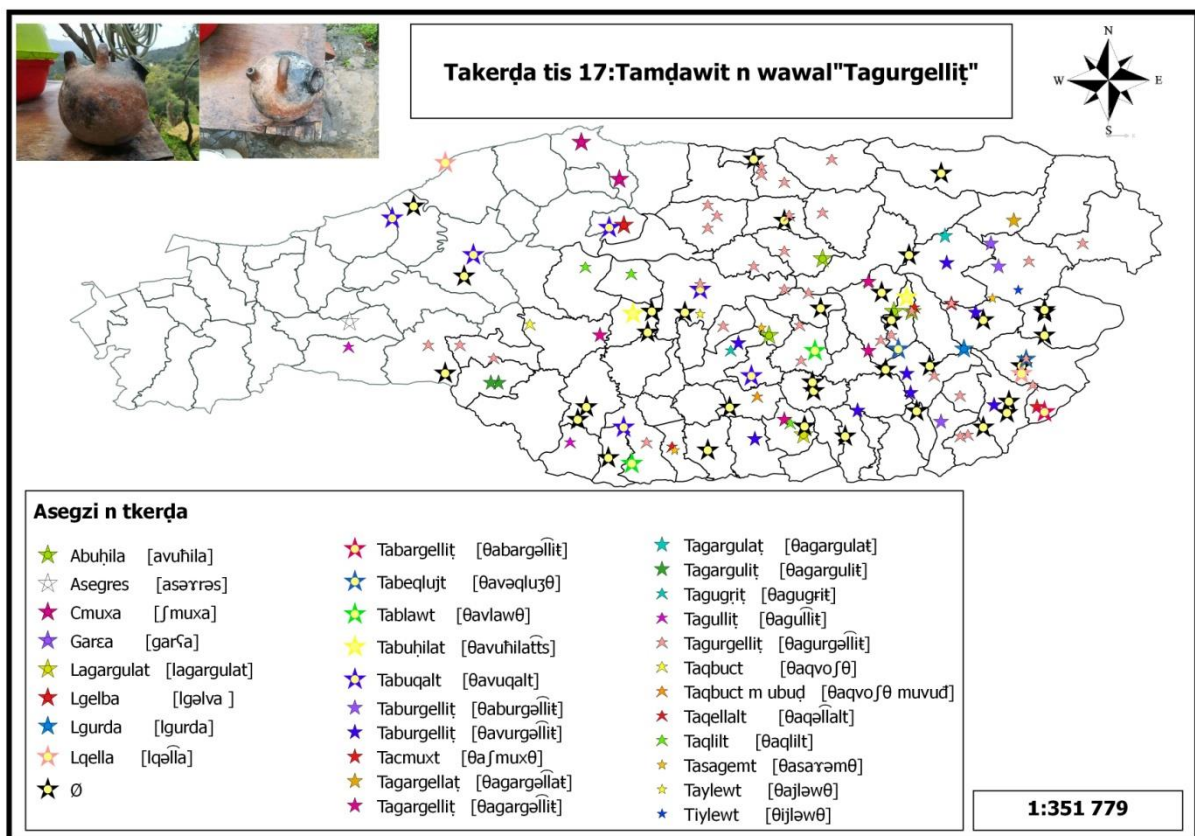
Awal+n+awal → Ayummu n tayrifin, ad t-naf deg snat n temnađin (45, 48).

Tamawt

Takerđa temmal-ay-d d akken deg tuget n temnađin sexddamen awal « ayummu ».

Awalen iretđalen :seg tutlayt n taerabt : [Imayta, lemyeđta, layđa, aleyđiw] i d-yekkan seg wawal « غطاء » ađar-is YL.

3.17 Tamđawit n wawal « Tagurgelliđ »



Tagurgelliđ : d yiwen wallal sexddamen zik ifellađen ttawin deg-s aman yer tebđirt ma d tura tegra-d i cbađa.

- Takerđa temmal-ay-d tamđawit n wawal « Tagurgelliđ » deg temnađin n unadı.

**Asegzi n tamayt**: tamayt temmal-ay-d d akken awal « Tagurgelliṭ » yesea krađ n temdawiyin : amawal, tamsisliṭ, tasnalya, dayen yella wanda ur tseqdacen ara.

### 3.17.1 Deg umawal

**Abuḥila** [avuhila] : ad t-naf deg 04 n temnađin (01, 02, 04, 05).

**Asegres**[asəxrəs]: ad t-naf deg yiwet n temnađt (114).

**Gar3a**[garfa] : ad t-naf deg yiwet n temnađt (51).

**Lagargulat** [lagargulat]: ad t-naf deg yiwet n temnađt (54).

**Lgelba** [lgəlva] : ad t-naf deg yiwet n temnađt (84).

**Lgurda**[lgurda] :ad t-naf deg snat n temnađin (105, 106).

**Lqella**[lqəlla]: ad t-naf deg snat n temnađin (113, 35) .

**Tabeqlujt** [θavəqluzθ]: ad t-naf deg yiwet n temnađt (17).

**Tablawt**[θavlawθ] : ad t-naf deg yiwet n temnađt (47).

**Tabuqalt** [θavuqalt]: ad t-naf deg 05 n temnađin (37, 81, 82, 85, 93).

**Taburgelliṭ** [θaburgəlliṭ] :ad t-naf deg 03 n temnađin (19, 22, 64).

**Tacmuxt**[θafmuxθ]: ad t-naf deg snat temnađin (07, 31).

**Tagugriṭ** [θagugriṭ]: ad t-naf deg yiwet n temnađt (41).

**Tagulliṭ** [θagulliṭ]:ad t-naf deg snat n temnađin (49, 120).

**Taqbuct**[ θaqvuθ] :ad t-naf deg yiwet n temnađt (88).

**Taqellalt**[θaqəllalt] :ad t-naf deg snat n temnađin (09, 10).

**Tasagemt** [θasaxəməθ] :ad t-naf deg 03 n temnađin (06, 109, 110).

**Taylewt**[Tajləwθ] :ad t-naf deg yiwet n temnađt (12).

**Tagargulaṭ** [θagargulaṭ]:ad t-naf deg yiwet n temnađt (26).

### 3.17.2 Deg temsisliṭ

**Taburgelliṭ**[θavurgəlliṭ]:taggayt [b] tettwanṭaq d tazenzayt [v] : [θaburgəlliṭ]→[θavurgəlliṭ], ad t-naf deg 07 temnađin (21, 42, 65, 66, 118, 121, 122).

### 3.17.3 Deg tesnalya

#### 1. Talya n wunti

**Abuđila (ml,sf)** asalay  $ac_1uc_2ic_3 \rightarrow$  **Tabuđilat (nt,sf)** asalay  $ac_1uc_2ic_3$ , ad t-naf deg snat n temnađin (03, 86).

## 2. Ayelluy n umagrad

**Cmuxa[fmuxa]:**  $[tacmuxt](t)ac_1c_2uc_3(t) \rightarrow [cmuxa]Øc_1c_2uc_3a$ , ad t-naf deg snat n temnađin (107, 108).

## 3. Abeddel n teyra

**Tabargelliđ[θavargəlliđ]:** yer tagar n wawal  $u \rightarrow a$  :  $[taburgelliđ] (tab)uc_1c_2C_3ic_4 \rightarrow [taburgelliđ] (tab)ac_1c_2C_3ic_4$ , ad t-naf deg yiwet n temnađt (32).

**Taqlilt [θaqlilt] :** yer tagara n wawal  $a \rightarrow i$  :  $[taqellalt] (t)ac_1C_2ac_2(t) \rightarrow [taqlilt] (t)ac_1c_2ic_2(t)$  ad t-naf deg 04 n temnađin (15, 38, 83, 130).

**Tagurgelliđ[θagurgəlliđ] :** deg tlemmast n wawal  $a \rightarrow u$ ,  $u \rightarrow e$ , yer tagara n wawal  $a \rightarrow i$ ,  $[Tagargulat] (t)ac_1ac_2c_1uc_3ac_4 \rightarrow [Tagurgelliđ] (t)ac_1uc_2c_1C_3ic_4$ , ad t-naf deg 32 n temnađin (08, 14, 18, 24, 39, 40, 57, 58, 62, 63, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 89, 90, 94, 95 , 104, 111, 112, 123).

**Tagargellađ [θagargəlliđ]:** deg tlemmast n wawal  $u \rightarrow e$  :  $[Tagargulat] (t)ac_1ac_2c_1uc_3ac_4 [Tagargellađ] (t)ac_1ac_2c_1u C_3ac_4$ , ad t-naf deg snat n temnađin (54, 125).

**Tagargelliđ[θagargəlliđ] :** deg tlemmast n wawal  $u \rightarrow e$ , yer tagara n wawal  $a \rightarrow i$  :  $[Tagargulat] (t)ac_1ac_2c_1uc_3ac_4 \rightarrow [Tagargelliđ] (t)ac_1ac_2c_1u C_3ic_4$ , ad t-naf deg 04 n temnađin (11, 12, 16, 87).

**Tagarguliđ [θagarguliđ]:** yer tagara n wawal  $a \rightarrow u$ ,  $[Tagargulat] (t)ac_1ac_2c_1uc_3ac_4 \rightarrow [Tagarguliđ] (t)ac_1ac_2c_1uc_3ic_4$ , ad t-naf deg yiwet n temnađin (25).

**Tiylewt[θijliwθ] :** yer tazwara n wawal  $a \rightarrow i$ ,  $[taylewt](t)ac_1c_2c_3(t) \rightarrow [taylewt] (t)ic_1c_2c_3(t)$ , ad t-naf deg yiwet n temnađt (125).

## 4. Asuddem : timerna n uzwir

As  $\rightarrow$  Asegres

5. Awalen uddisen

Awal+m+awal → Taqbuct m ubud,ad t-naf deg yiwet n temnaḍt (100).

- Timnaḍin anda ur tseqdacen ara(Ø) :llant 33 n temnaḍin (13, 20, 23, 27, 28, 29, 30, 33, 34, 36, 43, 45, 46, 48, 50, 52, 59, 61, 91, 92, 95, 96, 97, 98, 99, 101, 102, 115, 116, 117, 119, 124, 126).

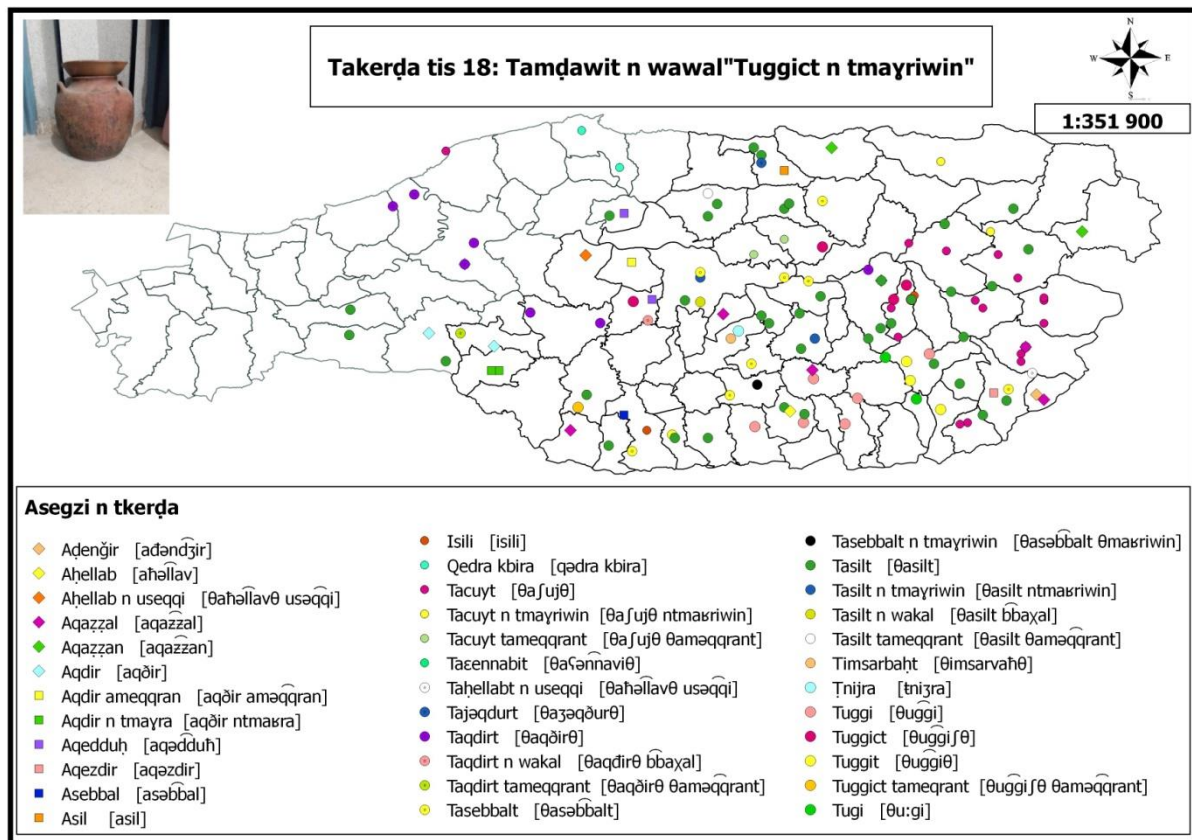
Tamawt

Takerḍa temmal-ay-d d akken deg tuget n temnaḍin sexddamen awal « Tagurgelliḥ ».

Awalen ireṭṭalen : seg tutlayt n taerabt :awal [gereā] I d-yekkan seg wawal « قرعة » aḍar-is QRE.

Seg tutlayt tafransist : awalen [lagargulaṭ, tagurgelli, ttagargelliṭ, tabergelliṭ...] I d-yekkan seg wawal « Gargoulat » aḍar-is GRLT.

3.18 Tamḍawit n wawal « Tuggict n tmayriwin »



**Tuggict n tmayriwin** : d yiwen wallal anda sewwayen zik i tmayriwin.

- Takerđa temmal-ay-d tamđawit n wawal « Tuggict n tmayriwin » deg temnađin n unadı.

**Asegzi n tamayt** : tamayt temmal-ay-d d akken awal « Tuggict n tmayriwin » yesea ukuz(04) n temđawiyin : amawal, tamsislit, tasnalya, tasnamka :

### 3.18.1 Deg umawal

**Ađenđir**[ađəndʒir] : ad t-naf deg yiwet n temnađt (31).

**Ađellab n useqqi** [ađəllav usəqqi] : ad t-naf deg yiwet n temnađt (83)

**Aqazzal** [aqəzzal] : ad t-naf deg 04 temnađin (49, 96, 123, 128).

**Aqdir**[Aqđir] : ad t-naf deg 03 n temnađin (57, 111, 112) .

**Aqdir Ameqqran**[aqđir aməqqran] : ad t-naf deg yiwet n temnađt (38).

**Aqdir n Tmayra** [aqđir ntmakra] : ad t-naf deg snat temnađin (55, 56).

**Aqedduđ**[aqədduđ] ad t-naf deg snat n temnađin (84, 98).

**Aqezdir** [aqəzdir] : ad t-naf deg yiwet n temnađt (122).

**Asil** [asil] : ad t-naf deg yiwet n temnađt (70).

**Qedra Kbira** [qədra kbira] : ad t-naf deg snat n temnađin (107, 108) .

**Tacuyt**[θafujθ] : ad t-naf deg 16 n temnađin (17, 19, 20, 21, 23, 34, 35, 33, 36, 62, 63, 91, 92, 113, 125, 126).

**Tacuyt n tmayriwin** [θafujθ] : ad t-naf deg snat n temnađin (22, 119).

**Tacuyt tameqqrant**[θafujθ θaməqqrant] : ad t-naf deg snat n temnađin (67, 68).

**Tæennabit**[θaʕənnavit] : ad t-naf deg temnađt ( 15).

**Tajaqdurt**[θazaqđurθ] : ad t-naf deg temnađt (80).

**Asebbal**[asəbbal] : ad t-naf deg yiwet n temnađt (53)

**Isili** [isili] : ad t-naf deg 03 n temnađin (07, 08, 09).

**Timsarbađt** [θimsarvahθ] : ad t-naf deg yiwet n temnađt (41).

**Ṭnijra** [ṭnijra] : ad t-naf deg yiwet n temnađt (42).

**Tuggit** [θuggiθ] : ad t-naf deg 03 n temnađin (64, 65, 66).

### 3.18.2 Deg temsislit

**Tuggi** [**θuġgi**]: ayelluy n taggayt [t] yer tagara n wawal : [**θuġgiθ**] → [**θuġgiθ**], ad t-naf deg 06 n temnađin (28,30, 54,117, 118,121).

**Tuggict**[**θuġgiθ**] : timerna n twecwact[c] : [**θuġgiθ**] → [**θuġgiθ**] ad atnaf deg 05 n temnađin (1,2,3,4,86).

**Tugi** [**θu:gi**] : ayelluy n tussda ,ayelluy n taggayt [t] yer tagara n wawal : [**θuġgiθ**] → [**θu:giθ**], ad t-naf deg yiwet n temnađt (52) .

**Aqazzan**[**aqazzan**]: timidist [l] yettwantaq d tanzarayt [n] : [**aqazzal**] → [**aqazzan**], ad t-naf deg 03 n temnađin (89, 90, 51).

### 3.18.3 Deg tesnalya

#### 1. Talya n wunti

**Isili**(**ml,sf**) asalay  $ic_1ic_2i$  → **Tasilt**(**nt,sf**) asalay  $(t)ac_1ic_2(t)$ , ad t-naf 37 n temnađin (05, 06, 11, 12, 13, 14, 18, 25, 26, 27, 43, 45, 46, 48, 59, 69, 72, 73, 74, 75, 76, 77, 78, 79, 85, 101, 94, 95, 104, 105, 106, 109, 110, 114, 120, 124, 126) .

**Asebbal** (**ml,sf**) asalay  $ac_1C_2ac_3$  → **Tasebbalt** (**ml,sf**) asalay  $(t)ac_1C_2ac_3(t)$ , ad t-naf deg 09 n temnađin (10, 24, 39, 40, 47, 50, 93, 94, 99).

**Aqdir** (**ml,sf**) asalay  $ac_1c_2$  → **Taqdirt** (**ml,sf**) asalay  $(t)ac_1c_2ic_3(t)$ , ad t-naf deg 07 n temnađin (16, 81, 82, 87, 88, 115, 116).

#### 2. Awalen uddisen

**Awal+n+awal** :- Aqdir n Tmayra /Taqdirt n wakal, ad t-naf deg yiwet n temnađt (97).

- Tasebbalt n tmayriwin, ad t-naf deg yiwet n temnađt (100).
- Tasilt n tmayriwin, ad t-naf deg snat n temnađin (37, 60).
- Tasilt n wakal, ad t-naf deg yiwet n temnađt (12).
- Tahellabt n useqqi, ad t-naf deg yiwet n temnađt (129).
- Tacuyt n tmayriwin

**Awal+arbib** : -Taqdirt tameqqrant, ad t-naf deg yiwet n temnađt (58).

- Tasilt tameqqrant, ad t-naf deg yiwet n temnađt (71).
- Tacuyt tameqqrant
- Aqdir Ameqqrant
- Qedra Kbira
- Tuggict Tameqqrant, ad t-naf deg yiwet n temnađt(52).

### 3. Timerna n uzwir

**Im** → timsarbađt

#### 3.18.4 Deg tesnamka

**Tacuyt, ɥnijra, tamarmiɥ, tuggi, tasilt** : - Sexdamen-ten i usebbi.

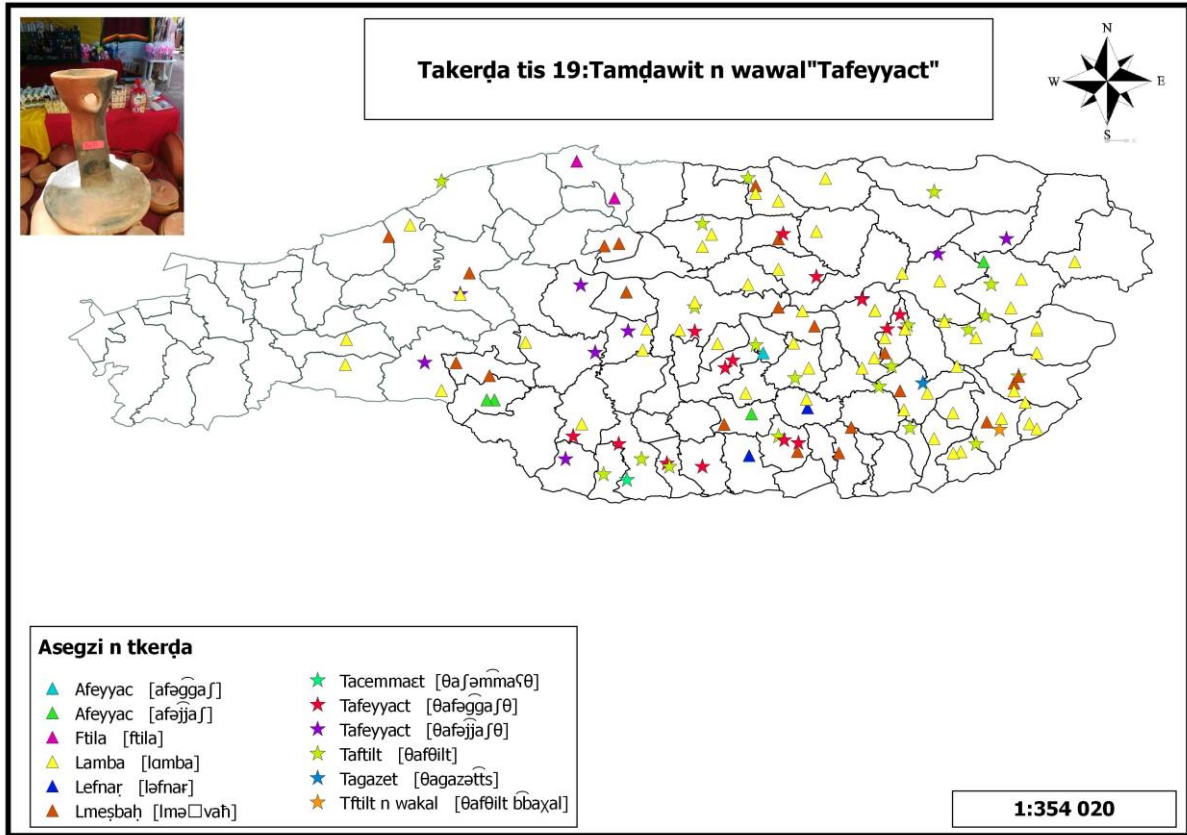
- Sexdamen-ten i usarbi n Imakla.

#### **Tamawt**

Takerđa temmal-aɣ-d d akken deg tuget n temnađin sexddamen awal « t ».

Awalen iretɥalen : seg tutlayt n taɛrabt : awal [taɛennabit] i d-yekkan seg wawal « عنب » aɣar-is **ENB**, awalen [aqdir, taqdir...] i d-yekkan seg wawal « قدر » aɣar-is **QDR**.

3.19 Tamḍawit n wawal « Tafeyyact »



**Tafeyyact** : d yiwen wallal sexddamen zik iwakken ad tili tafat deg yiḍ di tzeqqqa, ttaran deg-s abeḥnuq d zit ad tcaelen,dayen yella wanda ttaran deg-s tacemmaet.

- Takerḍa temmal-ay-d tamḍawit n wawal « Tafeyyact » deg temnaḍin n unadi.

**Asegi n tamayt** : tamayt temmal-ay-d d akken awal « Tafeyyact » yesca kraḍ n temḍawiyin : amawal, tamsislit, tasnalya.

3.19.1 Deg umawal

**Afeyyac [afəjjaʃ]** : ad t-naf deg 04 n temnaḍin (22,55,56 ,) .

**Lamba[lamba]** :ad t-naf deg 44 n temnaḍin (129, 128, 126, 125, 124, 120, 116, 115, 114, 106, 104, 95, 94, 101, 98, 97, 96, 94, 93, 92, 91, 90, 88, 89, 80, 78, 77, 74, 72, 70, 69, 68, 67, 66, 64, 63, 62, 60, 51, 43, 40, 36, 35, 34).

**Lefnar[ləfnar]** :ad t-naf deg snat n temnaḍin (121, 28).

**Lmeşbaḥ**[lməvəh] :ad t-naf deg 15 n temnađin (123, 122, 118, 24, 117, 99, 33, 32, 31, 20, 14, 11, 95, 85, 84).

**Tacemmaet**[θafəmmafθ] : ad t-naf deg yiwet n temnađt (47) .

**Taftilt** [θafθilt] :ad t-naf deg 20 n temnađin(06,07,08,09,17,19,21,27,29,37,48,59,61,71,75, 105,109,110,113, 119).

**Tagazet**[θagazətt] : ad t-naf deg yiwet n temnađt (30).

### 3.19.2 Deg temsilit

**Tafeyyact** [θafəggafθ] :tamsartit « y+y=gg » [θafəjjafθ] → [θafəggafθ], ad t-naf deg 15 n temnađin (01, 02, 03, 04, 10, 16, 41, 42, 44, 46, 52, 53, 76, 126, 130) .

**Afeyyac**[afəggaf] : tamsartit « y+y=gg » [afəjjaf] → [afəggaf], ad t-naf deg 04 n temnađin (05, 13, 14, 23).

### 3.19.3 Deg tesnalya

#### 1. Talya n wunti

**Afeyyac (ml,sf)** asalay  $ac_1C_2a c_3$  → **Tafeyyact (nt,sf)** asalay(t)  $ac_1C_2a_3(t)$ , ad t-naf deg 09 n temnađin (15, 25, 26, 49, 83, 86, 87, 111, 112).

#### 2. Ayelluy n umagrad

**Ftila** [ftila] : yer tazwara n wawal : [taftilt] (t) $ac_1c_2ic_3(t)$  → [ftila]  $Øc_1c_2ic_3a$ , ad t-naf deg snat n temnađin (107, 108).

#### 3. Awalen uddisen

**Awal+n+awal** → Taftilt n wakal, ad t-naf deg yiwet n temnađt (Ait Lahcen).

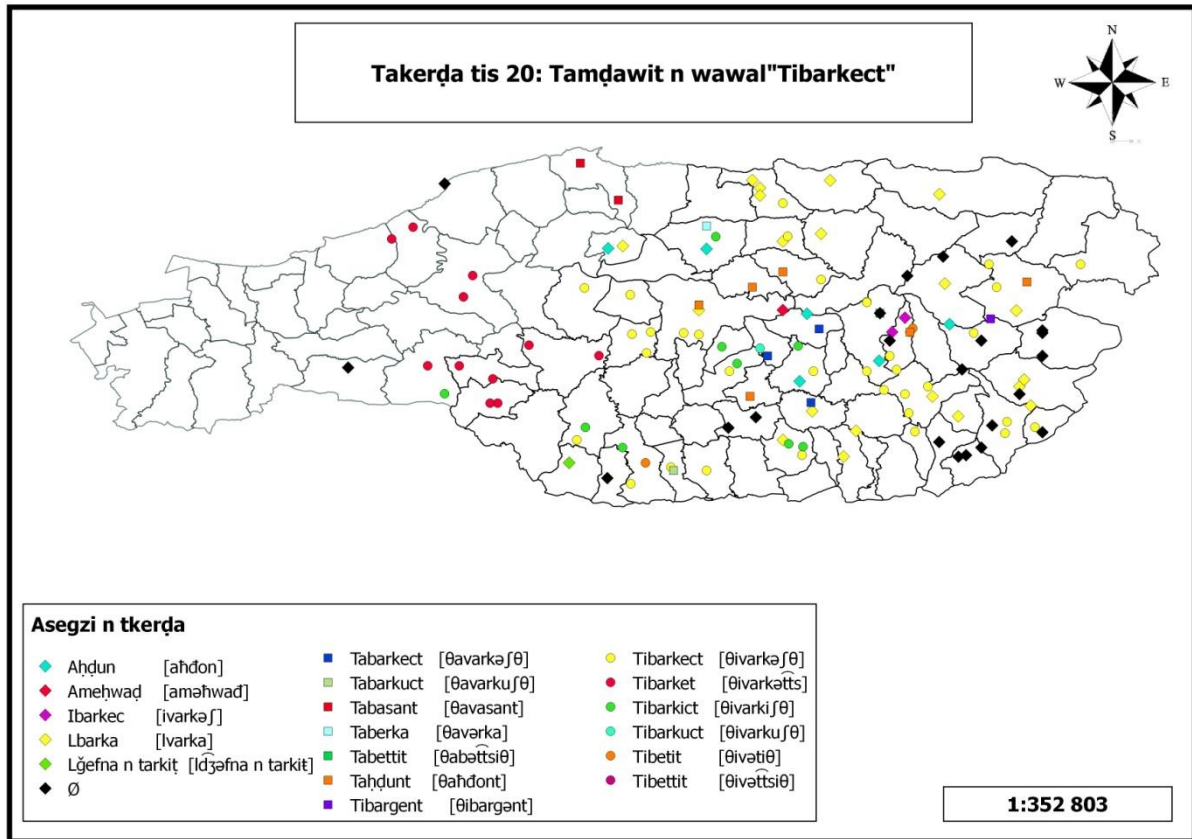
### Tamawt

Takerđa temmal-ay-d d akken deg tuget n temnađin sexddamen awal « Lamba ».

Awalen iretalen : seg tutlayt n taerabt :[lmaşbaḥ]id-yekkan seg wawal « صباح » aẓar-is **SBH**.

Seg tutlayt tafransist : [lamba] I d-yekkan seg wawal « lamp » aẓar-is **LMB**.

### 3.20 Tamḍawit n wawal « Tibarkect »



**Tibarkect** : d yiwən n wallal anda rekkḍent zik tlawin azemmur iwakken ad d-ksent zik ur nekcim waman (yella wanda rekkḍen yergazen) mazal ar tura xeddment d acu kan qlilit.

- Takerḍa temmal-ay-d tamḍawit n wawal « Tibarkect » deg temnaḍin n unaḍi.

**Asegzi n tamayt** : tamayt temmal-ay-d d akken awal « Tibarkect » yesea kraḍ n temḍawiyin : amawal, tamsislit, tasnalya, dayan yella wanda ur tseḡdacen ara.

#### 3.20.1 Deg umawal

**Ahḍun**[ahḍun] : ad t-naf deg 06 n temnaḍin (40, 72, 73, 74, 75, 85).

**Ibarkec**[ivarkəʃ] : ad t-naf deg snat n temnaḍin (03, 04).

**Lḡefna n tarkit̪** [lḡəfna n tarkit̪] : ad t-naf deg yiwet n temnaḍt (49).

**Tabasant**[θabasabt] : ad t-naf deg snat temnaḍin (107, 108).

**Tabettit**[θabətt̪siθ] : ad t-naf deg yiwet n timnaḍt (51).

**Tibargent**[θibargənt] : ad t-naf deg yiwet n timnaḍt (110).

### 3.21 Deg temsislit

**Tibetit[θivətiθ]** :taggayt [b] tettwantaq d tazenzayt [v], ayelluy n tusda : [θabəttiθ] → [θivətiθ], ad t-naf deg 03 n temnađin (07,08,09).

**Tibettit[θivəttiθ]** : taggayt [b] tettwantaq d tazenzayt [v] : [θibəttiθ] → [θivəttiθ], ad t-naf deg snat n temnađin (114, 121).

**Ayelluy n twecwact [c]** :

→ **Lbarka[lvarka]** : ad t-naf deg 18 n temnađin (12, 13, 14, 27, 28, 37, 69, 79, 80, 84, 90, 117, 118, 119, 123, 125).

→**Tibarket[θivarkətti]**: ad t-naf deg 08 temnađin (55, 56, 57, 58, 87, 88, 115).

→ **Taberka[θavərka]**: ad t-naf deg yiwet n timnađt (71).

### 3.22 Deg tesnalya

#### 1. Talya n wunti

**Aħđun (ml,sf)** asalay  $ac_1c_2uc_3$  → **Taħđunt (nt,sf)** asalay  $(t)ac_1c_2uc_3(t)$ , ad atnaf deg 06 n temnađin (67, 68, 93, 94, 95, 104).

**Ibarkec (ml,sf)** asalay  $ic_1ac_2c_3c_4$  → **Tibarkect (nt,sf)** asalay  $(t)ic_1ac_2c_3c_4(t)$ , ad t-naf deg 30 n temnađin (01, 02, 10, 11, 15, 16, 17, 18, 19, 21, 22, 29, 30, 31, 38, 41, 42, 50, 52, 54, 60, 61, 65, 66, 70, 76, 83, 86, 89, 97).

#### 2. Abeddel n umagrad

**Tabarkect** : yer tazwara n wawal  $i \rightarrow a$  : [Tibarkect]  $(t)ic_1ac_2c_3c_4(t)$  → [Tabarkect]  $(t)ic_1ac_2c_3c_4(t)$ , Ad t-naf deg 03 n temnađin (05, 95, 96) .

**Tabarkuct** : yer tazwara n wawal  $i \rightarrow a$  tagaran wawal  $e \rightarrow u$  : [Tibarkect]  $(t)ic_1ac_2c_3c_4(t) \rightarrow$  [Tabarkuct]  $(t)ic_1ac_2c_3c_4(t)$  ad t-naf deg yiwet n timnađt (09).

**Tibarkict** :yer tagara n wawal  $e \rightarrow i$ : [Tibarkect]  $(t)ic_1ac_2c_3c_4(t) \rightarrow$  [Tibarkict]  $(t)ic_1ac_2c_3c_4(t)$ , ad t-naf deg 09 n temnađin (42, 53, 77, 78, 94, 101, 26, 128, 130) .

**Tibarkuct** : yer tagara n wawal e→u: [Tibarkect] (t)ic<sub>1</sub>ac<sub>2</sub>c<sub>3</sub>c<sub>4</sub>(t) →[Tibarkuct] (t)ic<sub>1</sub>ac<sub>2</sub>c<sub>3</sub>c<sub>4</sub>(t), ad t-naf deg yiwet n timnađt (06).

### 3. Asuddem :timerna n uzwir

Am →Amehwađ, ad t-naf deg yiwet n timnađt (39).

### 4. Awalen uddisen

**Awal+n+awal** → Lđefna n tarkit

- Timnađin anda ur tseqdacen ara (Ø):llant n 22 n temnađin (20, 25, 26, 32, 33, 34, 35, 36, 48, 59, 62, 63, 64, 91, 92, 99, 100, 105, 106, 113, 120, 122).

## Tamawt

Takerđa temmal-ađ-d d akken deg tuget n temnađin sexddamen awal « Tibarkect ».

Awalen iređđalen :seg tutlayt n taerabt : awal [Lđefna] I d-yekkan seg wawal « جفنة » azar-is ĞFN.

Deg yixef-agi mi nexddem tasleđt nufa-d d akken tuget n wawal s3an atas n umgired ama deg umawal, tamsislit, tasnalya, tasnamka. Nerra lewhi d akken d tamđawit deg umawal d temđawit deg tesnalya i yettuqten .

Dayen yella wanda ulac amgired deg temsislit Md : awalen « Acmux, Akasrun» sean kan deg umawal , tasnalya,tasnamka.

Rnu yer waya llan kra wallalen ur ten-seqdacen ara deg kra n temnađin.

Dayen nufa-d seqdacen awalen iređđalen ama seg tutlayt tafrañsist ney taerabt.

**Tagrayt tamatut**

Tazrawt-ntey, tcudd yer trakalt tasnilsant, deg-s nezrew aktawal n yisemawen n wallalen n ufexxar deg 130 n temnaḍin n tmurt n leqbayel. Di taggara n tesleḍt-agi-ntey, nessawed ad d-nekkes iswiren n tutlyat ideg mgaraden wammud-ntey almend n temnaḍin ideg i t-id- negmer.

Deg ixef amenzu, newwi-d awal yef trakalt tasnilsant d yimahilen yellan fell-as, timnaḍin n tezrawt-ntey, imsulya, umuy n tuttriwin, agmer d usenked n wammud, Tabadut n kra n yifardisen n tesleḍt d tayessa n unadi .

Deg ixef wis sin, nga tasleḍt i tkerḍiwin. Taseleḍt-agi, d tin i ay-d-isebgnen kra n yeswiren i deg temgarad tmeslayt n teqbaylit ilmend n temnaḍin d ubead yellan gar-asen-t, d anect-a I d-yeglan s umgired ama deg umawal, tamsislit, tasnalya, d tesnamka.

Deg wayen yerzan amawal nufa-d ddeqs n wawalen sean akk amgired deg-s:

Md: awal tajegrurt yesea 24 n wawalen mgaraden deg umawal.

Deg wayen yerzan tamsislit nufa-d llan kra n wawalen ur sein ara amgired deg-s Md: awalen « acmux, akasrun » maca llan kra n wawalen sean atas n temsal ad d-dnebder seg-sent: tamsertit, abeddel d uyelluy n tergal, tizenzay d tiggay

Seg tama n temsartit nufa-d: Tamsartit (w+w=bb): Md: [θaziwwa] → [θazibba].

Seg tama n ubeddel n tergal nufa-d:

- Taznaggayt [ğ] tettwanṭaq d tawecwact [j]: [tadʒin] → [tazin],
- Timidist [l] tettwanṭaq d tagenayri [y]: [θavuqalt] → [θavuqajθ],
- Tunsiyt [s] tetwanṭaq d tunsiyt [z]: [θasebbalt] → [θazebbalt],
- Tiɣfuglant tuffayt [t] tettwanṭaq d tiɣfuglant tuffayt [d] [atʒin] → [adʒin],
- Targalt [h] tetwanṭaq d targalt tagerjumant [ɛ]: [afarraħ nəlħəsba] → [afarraħ nəlʕəsba],
- Tawecwact [c] tettwanṭaq d tawecwact [j] [θaveqluθ] → [θavəqjuθ],
- Timidist [l] tettwanṭaq d [r] [θavəqluθ] → [θabəqrुθ],
- Taqlalayt taraggayt [x] tetwanṭaq d taqlalayt [q] [θaxfaθ] → [θaqfaθ],
- Timidist [l] yettwanṭaq d tanzarayt [n] [aqazzal] → [aqazzan],
- Timerna n targalt tagerjumant [ʕ] deg ususu: [θaqarurθ] → [θaqarurθ],
- Tiɣfuglant tuffayt [d] tetwanṭaq d tiɣfuglant [t]: [adəbsi] → [atəvsi].

Seg tama n tmerna d uyelluy n tergalt nufa-d:

Timerna n twecwact [c] Md: [θavaqiθ] → [θavaqəfθ],

Ayelluy n twecwact [c] Md: [θuggiθ] → [θugiØ].

Seg tama n tmerna d uyelluy n tgenayri nufa-d:

- ayelluy n tgenayri [y] Md: [θasopjirθ] → [θasopØirθ],
- Timerna n tgenayri [w]: [lakða] → [alakðiw] .

Seg tama n tzenzay d tiggay nufa-d:

- Taggayt [d] yetwantaq d timidist [l] Md: [θaqedduhθ] → [θaqəlluθ]
- Tazenzayt [θ] yetwantaq d taznaggayt [tts] Md: [θavusəqqiθ] → [θavusəqqitts]
- Taggayt [t] tettwantaq d tazenzayt [θ]:Md: [θavuaqalt] → [θavuaqajθ]
- Timerna n taggayt [t] Md: [akummu] → [akummuθ]
- Ayelluy n taggayt [t] yer tagara n wawal Md: [θuggiθ] → [θuggiØ]

Seg tama n ubeddel n wadeg n ususru Md: [θarəhħaliθ] → [θarəhħliθ].

Seg tama n uyelluy n tussda Md: [asənχəbbi] → [asənχub].

Deg wayen yerzan tasnalya nufa-d-tt-id tesəa atas n temsal, ad d-nebder seg-sent:

ayelluy d ubeddel n umagrad, ayelluy d tmerna n teyra, awallen uddisen...atg.

Seg tama n uyelluy d ubeddel n umagrad nufa-d: ayelluy n umagrad [a] Md: [aṭağin]  $ac_1ac_2ic_3 \rightarrow [ṭağin] \text{Ø}c_1ac_2ic_3$ , abeddel n umagrad Md: a → i [amsarbaḥ]  $(ams)c_1c_2ac_3 \rightarrow [imsarbaḥ] (ims)c_1c_2ac_3$ .

Seg tama n ubeddel d uyelluy n teyra nufa-d: abeddel n teyra i → u Md: acbayli  $ac_1c_2a(y)c_3i \rightarrow acbaylu ac_1c_2a(y)c_3u$ , ayelluy n teyra Md: Lemrec  $(lm)c_1c_2 \rightarrow Lmarc (lm)ac_1c_2$

Seg tama n talya n wunti Md: **Aḍajin (ml,sf)** asalay  $ac_1c_2ic_3 \rightarrow \text{Tadajint}(nt,sf)$  asalay  $(t)ac_1ac_2ic_3(t)$ , **Uskir (ml,sf)** asalay  $uc_1c_2ic_3 \rightarrow \text{Tuskirt}(nt,sf)$  asalay  $(t)uc_1c_2ic_3(t)$ .

Seg tama n usuddem nufa-d: timerna n uzwir **Bu** → **Bu**fraḥ, **Am** → **Am**sarraḥ, timerna n udfir Md: **An** → Aḍajin areqman, **En** → Afarraḥ Iraqmen [afarraḥ iraqmən].

Seg tama n wawalen uddisen nufa-d: awal+n+awal Md: Aqedduḥ n useqqi, awal+arbib Md: Lḡefna tamectuḥt, awal+m+awal Md: taqbuct m ubud.

Deg wayen yerzan tasnamka nufa-d d akken drus n umgired I yellan deg-s Md: **Taḥellabt** sexddament i userbi, Sexdamen-t I usewwi, Tezgen-d deg-s ayefki, **Taqbuct** sexdamen-t i tugma n waman , sexdamen-t i userbi n n lmaḥla, sexdamen-t I wejmae d tisit n yiḡi.

Rnu yer waya, nufa-d yella Wanda seqdacen awalen ireṭṭalen ama seg tutlayt n taerabt ama seg tefransist, tuget deg-sen kkan-d seg tutlayt n taerabt acku llan-t kra n temnaḍin qqarben-t yer tmura n waeraben rnu anekcum n imzeday ibaraniyrn yer tmurt n leqbayel yegla-d s ubeddel d lmarwaḥ n tutlayt taqbaylit.

Seg tama nniḍen, nufa-d llan-t kra n temnaḍin ttuyalen-t yer yiwet n teqbilt d acu kan yemgarad amek qqaren I wallalen Md: tamnaḍt n Ait Ali d temnaḍt n Ait Messaoud Ou Aissa ttuyalen-t yer teqbilt n yemkiren d acu kan yemgarad amek I as-neqqaren I wallalen-agi acku tamnaḍt n Ait Messaoud Ou Aissa teqreb s waṭas yer tmurt n waeraben.

Ihi, deg tezrewt-agi-nney nsawed ad d-nejmae aktawal n wallalen n ufexxar deg 130 n temnaḍin n tmurt n leqbayel maca igemaḍ uyur nsawed ur nezmir ara ad d-nini mmden yef waya nessaram ad yili leqdic d unadi yef temnaḍin nniḍen d anect-a ara ay-yessiweḍen yer usnulfu d usnarni n umawal n teqbaylit s tmeslayt n teqbaylit.

**Tiybula**

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*Amawal*

## Amawal

Awal s tmaziyt	Awal s tefransist	Amawal	Asebter
Azwir	Préfixe	HADDADOU M.A. 2014	940
Uddis	Composé	MANSOURI H. A. 2004	30
Adfir	Suffixe	MAMMERI M. 2008	64
Tasnalya	Morphologie	MANSOURI H. A. 2004	84
Tamsislit	Phonétique	MANSOURI H. A. 2004	95
Tasnamka	Sémantique	MANSOURI H. A. 2004	116
Amawal	Lexique	MANSOURI H. A. 2004	76
Tamayt	Légende	MANSOURI H. A. 2004	75
Takerça	Carte	MAMMERI M. 2008	22
Ayaran	Qualitatif	MANSOURI H. A. 2004	103
Tizri	Théorie	CHEMIM M. 2007	171
Asuddem	Dérivation	HADDADOU M.A. 2014	832
Azgenayri	Semi-voyelle	MAMMERI M. 2008	64

Tizenzeyt	Spirantisme	MAMMERI M. 2008	108
Tiggeyt	Occlusion	CHEMIM M. 2007	317
Tussda	Redoublement	CHEMIM M. 2007	324
Tamsartit	Assimilation	CHEMIM M. 2007	306
Taznaggayt	Semi-occlusive	HADDADOU M.A. 2018	569
Tarakalt	Géographie	HADDADOU M.A. 2018	530
Tasnilest	Linguistique	HADDADOU M.A. 2018	542
Umuy n tuttriwin	Questionnaire	MANSOURI H. A. 2004	103

*Timerna*

## Ammud

N°	Informateurs	Age	Niveau	Tribus	Village	Latitude Y	Longitude X	Taqbuct
1	Mouloud	63ans	/		Takhribt	36.75	4.21	Taqellalt [θaqəllalt]
2	Wardia N	73 ans	6éme	Maatkas	Adjaba	36.6811	4.3265	Tabuqalt [θavuqalt]
3	Saadia	45 ans	/		Tassadort	36.70	4.32	Taqbuct [θaqvoθ]
4	N .Aldjia	64ans	6éme	Ibetrounen	Ain Meziab	36.6812	4.3032	Taqililt [θaqililt]
5	Ali.B	55ans	BEM		Ait Halli	36.65	4.14	Taqbuct [θaqvoθ]
6	H.Youcef	68ans	/	Irdjen	Adeni	36.66	4.13	Taqbuct [θaqvoθ]
7	Bouallam	54ans	/		Ighil N'Bil	36.6914	4.3784	Tabuqalt [θavuqalt]
8	Messaouda	65ans	/	Ait Mendas	Ait Mendes	36.51	3.98	Tacmuxt [θafmuxθ]
9	Dahbia	74ans	5éme		Ait Haggoun	36.6862	4.3301	Taqbuct [θaqvoθ]
10	Mouhouche	55ans	1 As	Ait Bou Rerdane	Assi Youcef	36.50430	4.0133	Abuqal [avuqal]
11	Fatma .N	76ans	1er As		Ait Imghour	36.63	4.27	Tacmuxt [θafmuxθ]
12	Aldjia .M	56ans	3éme	Amechras	Ihassenaouen	36.54	4.16	Tabuqalt [θavuqalt]
13	Massinissa	40 ans	Bac		Isseradjen	36.80	4.16	Tabuqalt [θavuqalt]
14	Tassaadit	52ans	4éme	Aafir	Aafir	36.5710	4.3897	Tabuqalt [θavuqalt]

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15	Ahmed	55ans	1ére	Itaien	Ait Ouarezdin	36.721	4.27	Taqbuct [θaqvoʃθ]
16	Slimane Belhaj	64ans	/	Ait Chilmoun	Yannene	36.72	4.27	Taqbuct [θaqvoʃθ]
17	Mouhend	75ans	/	Ait Khelili	Ait Khir	36.632	4.309	Tabuqalt [θavuqalt]
18	Amar .L	64ans	/		Ait Khelili	Ait Khelili	36.65	4.30
19	Akli Mouhend	87ans	1AS	Ait Roubri	Yakouren	36.74	4.44	Tabuqalt [θavuqalt]
20	Hemmu	59ans	4éme		Ifigha	36.67	4.42	Taqbuct [θaqvoʃθ]
21	Tassaadit	86 ans	/		Tighilt Bouksas	36.68	4.41	Tabuqayt [θavuqajθ]
22	Noura Belhaj	55ans	4éme	Ait Flik	Ait Aissi	36.77	4.43	Tabuqalt [θavuqalt]
23	Saaïd	78ans	/	Ait Adas	Izarazen	36.61	4.47	Tabuqalt [θavuqalt]
24	Rabah	54ans	3éme	Ait Kodh�a	Abizar	36.81	4.21	Tabuqalt [θavuqalt]
25	Yamina	87ans	/		Tala Tegana	36.80	4.46	Tabuqalt [θavuqalt]
26	Messaouda .S	54 ans	/	Hendou	36.78	4.37	Tabuqalt [θavuqalt]	
27	Dahbia.A	53ans	/	Ait Yenni	Tigzirt	36.88	4.12	Tabuqalt [θavuqalt]
28	Warda	63ans	5�me		Ait Lahcene	36.57753	4.19836	Tabuqalt [θavuqalt]
29	Amine	45ans	6�me	Akbil	Aourir Bouzemour	36.6054	4.2924	Taqbuct [θaqvoʃθ]
30	Nacer	65ans	3�me		Agouni Teslent	36.61	4.35	Tabuqalt [θavuqalt]

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## Ammud

31	Zahia .K	43ans	2éme	Ait Ziki	Taurirt Bouar	36.5567	4.4902	Taqbuct [θaqvoθ]
32	Sofian.F	78ans	1ére		Amekez	36.55	4.50	Taqbuct [θaqvoθ]
33	Dihia .R	76ans	BEM	Imesdourar	Ait Salah	36.67	4.30	Tabuqayt [θavuqajθ]
34	Melkhir .F	58ans	BAC		Houra	36.7548	4.3230	Taqbuct [θaqvoθ]
35	Yamina	87ans	3éme	El Djeur Alemmas	Ihaitousen	36.60	4.47	Taqbuct [θaqvoθ]
36	Hlima.Z	76ans	6éme		Ait Aicha	36.65	4.50	Taqbuct [θaqvoθ]
37	Lounas	75ans	5éme	Iamraouien Bouada	Tizi Ouzou	36.71	4.05	Taqbuct [θaqvoθ]
38	Mouhamed	58ans	1ére		Draa Ben Khedda	36.73	3.96	Tabuqalt [θavuqalt]
39	Amine.S	67ans	2éme	Iamraouien Oufella	Tala Athman	36.71	4.16	Tabuqalt [θavuqalt]
40	Ali	37ans	Bac		Tamda	36.7052	4.1916	Tabuqalt [θavuqalt]
41	Qassi	54ans	/	Ait Douala	Ait Bou Yahia	36.63	4.09	Tabuqalt [θavuqalt]
42	Mouhouche	76ans	/		Ait Hellal	36.64	4.10	Tabuqalt [θavuqalt]
43	Belaid	68ans	/	Ait Zmenzer	Bouhinoun	36.68	4.03	Taqbuct [θaqvoθ]
44	Aldjia	54ans	4éme	Ihassenaouen	Ihassenaouen	36.678	4.05	Tabuqalt [θavuqalt]
45	Razika	78ans	/		Ait Ahsen	36.548829	4.451013	Taqbuct [θaqvoθ]
46	Amirouche	65ans	/	Ait Bou Adou	Ait Maallem	36.50	4.06	Taqbuct [θaqvoθ]

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## Ammud

47	Gussem	55ans	1AS		Ath kouffi	36.4827	3.9607	Tabuqalt [θavuqalt]
48	NA Wardia	76ans	4éme	Ath Kouffi	Ihadriin	36.53	4.42	Taqbuct [θaqvoθ]
49	Tassaadit	89ans	/	Frikat	Frikat	36.51	3.88	Tacmuxt [θa[muxθ]
50	Rabah	65ans	/		Mezrara	36.5637	4.4536	Taqluct [θaqluθ]
51	Fathma	45ans	Bac	Inezlioun	Rouachda	36.7059	4.287	Taqbuct [θaqboθ]
52	Yamina	48ans	Bac		Ain Zaouia	36.54	3.89	Taqbuct [θaqvoθ]
53	Fatiha	76ans	/	Aklan Ou Abids	Boughni	36.53	3.95	Tacmuxt [θa[muxθ]
54	Djamal	56ans	/	Aoukdal	Ait Toudert	36.5201	4.18511	Taqbuct [θaqvoθ]
55	Salah	89ans	/		Ait Tagherbit	36.588140	3.786442	Taqbuct [θaqvoθ]
56	Noura	35ans	BEM	Imzalen	Tizi Tdekkart	36.588132	3.776440	Taqbuct [θaqvoθ]
57	Mezyan	54ans	/		Ait Ali	36.62	3.78	Taqbuct [θaqvoθ]
58	Safia	76ans	/	Imkiren	Ait Messaoud ou Aissia	36.637	3.736	Taqbuct [θaqvoθ]
59	Dahmane	56ans	3éme	Ait Ismail	Bou Noueh	36.49	3.93	Taqbuct [θaqvoθ]
60	Aldjia	71 ans	Larevaa	Ait Ousammeur	Taourirt Mokran	36.63	4.20	Tabuqalt [θavuqalt]
61	Amar Moussa	76ans	/	Ait Bou Yousef	Abi Yousef	36.551	4.333	Taqbuct [θaqvoθ]
62	Djafar	78ans	2éme	Illilten	Tifilkout	36.52	4.40	Tabuqalt [θavuqalt]

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63	Nacera	69ans	6éme		Azrou Ait Illiliten	36.518	4.39	Tabuqalt [θavuqalt]
64	Zaazi	84ans	/	Ait Itsourar	Ifarhounen	36.53724	4.36476	Tazebbalt [θazəbbalt]
65	Malika	39ans	3AS	Ait Yahia	Taka	36.60	4.32	Tabuqalt [θavuqalt]
66	Smail Ben Ali	78ans	/		Ait Hichem	36.575	4.325	Tabaradit [θabaradiθ]
67	Ilhaj Ali	67ans	/	Ait Aissa ou Mimoun	Tahanouts	36.76	4.16	Tabuqalt [θavuqalt]
68	Rabah	43ans	2éme		Igounan Ameur	36.74	4.12	Tabuqalt [θavuqalt]
69	Ami Amar	54ans	5éme		Tifra	36.597	4.356	Tabuqalt [θavuqalt]
70	Hassina	53ans		Tifra	Azra	36.85	4.16	Taqbuct [θaqvoθ]
71	Fatma	76ans	/	Atouch	Tazrart	36.82	4.06	Tabuqalt [θavuqalt]
72	Bahia	78ans	/		Tigulmamin	36.6914	4.3784	Tabuqalt [θavuqalt]
73	Aissa	61ans	/		Makouda	36.79	4.06	Tabuqalt [θavuqalt]
74	Remdhan	38ans	BEM	Ait Sidi Hemza	Tazibt	36.6435	4.2861	Tabuqalt [θavuqalt]
75	Abd Allah	49ans	6éme	Iaskeren	Agouni Oufekous	36.6167	4.1820	Tabuqalt [θavuqalt]
76	Ratiba	56ans	/		Ichtouanen	36.8066	4.1663	Tabuqalt [θavuqalt]
77	Zahra	76ans	/	Istiten	Stita	36.663	4.18	Taqlilt [θaqlilt]
78	Iwiza	66ans	/		Ichikar	36.806141	4.072092	Taqlilt [θaqlilt]

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## Ammud

79	Malika.A	45ans	/		Cheurfa	36.87	4.13	Tabuqalt [θavuqalt]
80	N.Z	52ans	2As	Cheurfa	Azaib	36.86	4.13	Tasebbalt [θasəbbalt]
81	Wardia	72ans	/		Bordj Menaiel	36.7552	3.7536	Tabuqalt [θavuqalt]
82	Y.T	54ans	/	Zemoul	Ben Abid	36.8031	3.6475	Tabuqalt [θavuqalt]
83	Abd Qader	54ans	4éme	Ait Chenacha	Tadmait	36.739	3.90	Taqbuct [θaqvoθ]
84	Wassila	74ans	/	Taourga	Taourga	36.7939	3.9503	Tabuqalt [θavuqalt]
85	Djafar	56ans	1AS	Ait Slegguem	Chaina	36.7908	3.9311	Tatmint [θaθmint]
86	Khedawedj	63ans	/	Ait Arif	Ait Arif	36.6785	3.9623	Taqbuct [θaqvoθ]
87	Yahia	79ans	/		Illalen	36.65033	3.91900	Taqbuct [θaqvoθ]
88	Halima	64ans	4 éme	Ait Yahia Ou Moussa	Ait Atella	36.66407	3.82736	Taqbuct [θaqvoθ]
89	Sidali	52ans	2ére		Zekri	36.77	4.55	Taqbuct [θaqvoθ]
90	Faroudja	63ans	1AS	Ighil En Zekri	Timizar Ahand	36.8797	4.222	Tabuqalt [θavuqalt]
91	Houria	67ans	/		Bou Aoun	36.68	4.50	Taqbuct [θaqvoθ]
92	Baya	51ans	/	Tifrit-N-Ath Ou Malek	Tifrit-N-Ath Ou Malek	36.68333	4.5	Taqbuct [θaqvoθ]
93	Razika	56ans	BEM		Tizi Hibel	36.597	4.117	Tabuqalt [θavuqalt]
94	Hemdan	67ans	3éme	Ait Mahmoud	Tizi-n-Telakht	36.7167	4.05	Taqellalt [θaqəllalt]

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95	Zoubir	54ans	3AS	Ait Akerma	Tizi rached	36.6853	4.2075	Abuqal [avuqal]
96	Ahmed Nesliman	88ans	/		Aguemmoun	36.5889	4.1968	Taqbuct [θaqvoʃθ]
97	Belaid	78ans	/	Ait Khelifa	Tirmitin	36.6539	3.9814	Tabuqalt [θavuqalt]
98	Newara	67ans	/		Azmour Mariem	36.68126	3.98683	Tabuqalt [θavuqalt]
99	Hedjila	69ans	/	Iouadhien	Iouadhien	36.5559	4.0886	Tabuqalt [θavuqalt]
100	Hemza	45ans	3éme		Tawrirt Abd allah	36.5697	4.1246	Tabuqalt [θavuqalt]
101	Yacine B	78ans	/	Ait Khalfoun	Matoussa	36.60047	3.71677	Tabuqalt [θavuqalt]
102	Newara	38ans	5éme		Chaabet El Aneur	36.55646785	3.90125721	Tabuqalt [θavuqalt]
103	Rachid	44ans	1AS	Ait Messellem	Tigounathin	36.6811	4.3265	Taqlilt [θaqlilt]
104	Lhoucin	55ans	/		Ibakuken	36.7468	4.4797	Tabuqalt [θavuqalt]
105	Ahmed	60ans	/	Ait said	Mayach	36.619	4.4761	Aqbuc [aqvoʃ]
106	Achour	66ans	1éré		Tala mimoun	36.6323	4.3948	Tabuqalt [θavuqalt]
107	Faroudja	68ans	/	Bni Thour	Dar Rabah	36.9023	3.8947	Abuqal [avuqal]
108	Chabha	66ans	/		Tizeghouine	36.8539	3.9444	Abuqal [avuqal]
109	Mnewar	69ans	BEM	Ait Ouasif	Ait Bou Abd er-Rahman	36.5	4.01667	Taqbuct [θaqvoʃθ]
110	Fatah	77ans	1AS		Ait Ouassif	36.6985	4.4321	Tabuqalt [θavuqalt]

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111	T.S	67ans	3ére		Ouanougha	36.7273	3.7415	Taqbuct [θaqvoʃθ]
112	Ali Meqin	79 ans	4émé	Ait Mekla	Azouza	36.6371	3.6947	Taqbuct [θaqvoʃθ]
113	Farid	57ans	6émé	Isser Ouled Smir	Djinet	36.8755	3.7169	Tafexxart [θafəxxarθ]
114	S.H	34ans	BAC	Ait Amran	Beni Amrane	36.6678	3.5918	Tabuqalt [θavuqalt]
115	Said .H	49ans	1AS		Ain Bellil	36.8186	3.6755	Taqbuct [θaqvoʃθ]
116	Qassi	88ans	/	Ibouazzounen	Izeraratene	36.7273	3.7415	Taqbuct [θaqvoʃθ]
117	Yahia	67ans	/		Iboudraren	36.5183	4.23954	Tasebbalt [θasəbbalt]
118	A.L	55ans	JAMA3	Iaattafen	Iaattafen	36.551908	4.255757	Tabuqalt [θavuqalt]
119	Adnan	72ans	/	Izarfaouen	Azefoun	36.8617	4.365	Tacbalit [θaʃvaliθ]
120	Belqassem	45ans	2éme	Ammal	Ammal	36.6347	3.59042	Tabuqalt [θavuqalt]
121	K.J	88ans	/	Bouchennacha	Agueni Gueghran	36.5147496087	4.1215132094	Tabuqalt [θavuqalt]
122	Malha	66ans	/		Lemsellah	36.559	4.4342	Taqbuct [θaqvoʃθ]
123	R.S	58ans	2émé		Boukharouba	36.619	4.4761	Tabuqalt [θavuqalt]
124	Djafar .B	69ans	/		Tala amara	36.7059	4.2872	Taqlilt [θaqlilt]
125	Malika	52ans	/		Tala Tgama	36.7093	4.4658	Taqbuct [θaqvoʃθ]
126	Djamila	62ans	69ans		Ath Sedka	36.5312	4.1864	Abuqal [avuqal]

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127	Rabah	50ans	/		Azazga	36.7447	4.3722	Abuqal [avuqal]
128	Wardia	80ans	/		Beni Aissi	36.662	4.08009	Taqbuct [θaqvoʃθ]
129	Ali n ali	78ans	6éme		Takoucht	36.5848	4.4847	Tibilewt [θiviləwθ]
130	Massinissa	40ans	6éme		Sidi Ali Bounab	36.5349	4.1677	Taqlilt [θaqlilt]

Afarraḥ	Afarraḥ n temtunt	Aḍbsi n seksu	Tamarmiṭ
Afarraḥ [afaɾɾaḥ]	Afarraḥ [afaɾɾaḥ]	Aḍbsi [aḍəvsi]	Lasubyir [lasopjir]
Afarraḥ [afaɾɾaḥ]	Afarraḥ iraqmen [afaɾɾaḥ iraqmən]	Tabaqit [θavaqiθ]	Supirat [sopirat]
Afarraḥ [afaɾɾaḥ]	Afarraḥ n temtunt [afaɾɾaḥ θəmθunt]	Aḍbsi [aḍəvsi]	Tamarmiṭ [θamarmiṭ]
Afarraḥ [afaɾɾaḥ]	Afarraḥ iraqmen [afaɾɾaḥ iraqmən]	Tabaqit [θavaqiθ]	Tuggict n useqqi [θuggiθ usəqqi]
Ṭajin [ɬazin]	Ṭajin [ɬazin]	Aḍbsi uqellal [aḍəvsi uqəllal]	Tamarmiṭ [θamarmiṭ]
Ṭaḡin [ɬadʒin]	Ṭaḡin [ɬadʒin]	Aḍbsi [aḍəvsi]	Tasilt [θasilt]
Bu fraḥ [vufraḥ]	Bu fraḥ [vufraḥ]	Aḍbsi [aḍəvsi]	Tamarmiṭ [θamarmiṭ]
Bu fraḥ [vufraḥ]	Bu fraḥ [vufraḥ]	Aḍbsi [aḍəvsi]	Tamarmiṭ [θamarmiṭ]
Bu fraḥ [vufraḥ]	Bu fraḥ [vufraḥ]	Aḍbsi [aḍəvsi]	Tamarmiṭ [θamarmiṭ]

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Afarraḥ [afaḥraḥ]	Afarraḥ n temtunt [afaḥraḥ θəmθunt]	Aḍebsi [aḍəvsi]	Tamarmit useqqi [θamarmit usəq̄qi]
Afarraḥ [afaḥraḥ]	Afarraḥ [afaḥraḥ]	Taqedduḥt [θaqəd̄duḥθ]	Taqellalt [θaqəl̄lalt]
Afarraḥ [afaḥraḥ]	Afarraḥ [afaḥraḥ]	Aḍebsi uqellal [aḍəvsi uqəl̄lal]	∅
Aḍajin [aḍazin]	Aḍajin areqman [aḍazin arəqman]	Aḍebsi [aḍəvsi]	∅
Aḍajin [aḍazin]	Aḍajin [aḍazin]	Aḍebsi [aḍəvsi]	Akasrun [akasrun]
Afarraḥ [afaḥraḥ]	Afarraḥ iraqmen [afaḥraḥ iraqmən]	Aḍebsi n ufexxar [aḍəvsi nufəxxar]	Taqbuct n useqqi [θaqvoθ usəq̄qi]
Afarraḥ [afaḥraḥ]	Afarraḥ [afaḥraḥ]	Aḍebsi [aḍəvsi]	Taqbuct n ufexxar [θaqvoθ ufəxxar]
Tajin [tazin]	Tajin [tazin]	Aḍebsi [aḍəvsi]	Tamarmit [θamarmit]
Tajin [tazin]	Tajin [tazin]	Aḍebsi [aḍəvsi]	Tamarmit [θamarmit]
Aḍajin [aḍazin]	Aḍajin n temtunt [aḍazin ntəmθunt]	Aḍebsi [aḍəvsi]	Tacuyt n usarbi [θafujθ usarvi]
Aḍajin [aḍazin]	Aḍajin [aḍazin]	Taḍebsit [θaḍəvsitts]	Tamarmit [θamarmit]
Aḍajin [aḍazin]	Aḍajin [aḍazin]	Aḍebsi [aḍəvsi]	Tnijra [tnizra]
Aḍağin [aḍad̄zin]	Aḍağin n temtunt [aḍad̄zin ntəmθunt]	Aḍebsi [aḍəvsi]	Tacuyt n usarbi [θafujθ usarvi]
Aḍajin [aḍazin]	Aḍajin imraqqem [aḍazin imraq̄qəm]	Aḍebsi [aḍəvsi]	Tasilt [θasilt]

## Timerna 01

## Ammud

Ṭajin [təzin]	Ṭajin [təzin]	Aḍebsi [aḍəvsi]	Takasrunt [θakasrunt]
Aḍağin [aḍaḍz̄in]	Aḍağin n temtunt [aḍaḍz̄in ntəmθunt]	Aḍebsi [aḍəvsi]	Tamarmiṭ [θamarmit]
Afarraḥ [afaḥraḥ]	Afarraḥ [afaḥraḥ]	Taqedduḥt [θaqəḍḍuḥθ]	Takasrunt [θakasrunt]
Aḍağin [aḍaḍz̄in]	Aḍağin urqim [aḍaḍz̄in urqim]	Aḍebsi [aḍəvsi]	Aqellal [aqəllal]
Uskir [uskir]	Uskir [uskir]	Taqedduḥt [θaqəḍḍuḥθ]	Aḍebbax [aḍəbbax]
Uskir [uskir]	Uskir [uskir]	Taqessult [θaqəssult]	Tugi [θu:gi]
Uskir [uskir]	Uskir n temtunt [uskir θəmθunt]	Aḍebsi [aḍəvsi]	Tamarmiṭ [θamarmit]
Aḍajin [aḍaz̄in]	Aḍajin [aḍaz̄in]	Aḍebsi [aḍəvsi]	Tamarmiṭ [θamarmit]
Aḍajin [aḍaz̄in]	Aḍajin [aḍaz̄in]	Aḍebsi uqellal [aḍəvsi uqəllal]	Tacuyt [θafujθ]
Aḍajin [aḍaz̄in]	Aḍajin [aḍaz̄in]	Taḍebsit [θaḍəvsiṭts]	Tacuyt [θafujθ]
Aḍajin [aḍaz̄in]	Aḍajin [aḍaz̄in]	Aḍebsi [aḍəvsi]	Tamarmiṭ [θamarmit]
Aḍajin [aḍaz̄in]	Aḍajin n temtunt [aḍaz̄in ntəmθunt]	Taḍebsit [θaḍəvsiṭts]	Tacuyt n useqqi [θafujθ usəqqi]
Aḍajin [aḍaz̄in]	Aḍajin n temtunt [aḍaz̄in ntəmθunt]	Aḍebsi [aḍəvsi]	Tacuyt [θafujθ]
Afarraḥ [afaḥraḥ]	Afarraḥ urqim [afaḥraḥ urqim]	Aḍebsi n seksu [aḍəvsi nsəχsu]	Akasrun n useqqi [akasrun usəqqi]
Ṭajin [təzin]	Ṭajin iraqmen [təzin iraqmən]	Aḍebsi [aḍəvsi]	Ṭnijra [tɲizra]

## Timerna 01

## Ammud

Aṭajin [aṭazin]	Aṭajin iraqmen [aṭazin iraqmən]	Aḍebsi [aḍəvsi]	Tæennabit [θaɛnɛnabiθ]
Ṭajin [ṭazin]	Ṭajin iraqmen [ṭazin iraqmən]	Aḍebsi [aḍəvsi]	Tabuseqqit [θavusəq̄q̄iṭs]
Afarṛaḥ [afaṛṛaḥ]	Afarṛaḥ n temtunt [afaṛṛaḥ θəmθunt]	Tabaqit [tavaqiθ]	Tabuseqqit [θavusəq̄q̄iṭs]
Afarṛaḥ [afaṛṛaḥ]	Tisemselt [θisəmsəlt]	Aḍebsi [aḍəvsi]	Tamarmit [θamarmit]
Afarṛaḥ [afaṛṛaḥ]	Afarṛaḥ imraqqem [afaṛṛaḥ imraqqəm]	Adebsi uqellal [aḍəvsi uqəllal]	Lasubyir [lasopjir]
Afarṛaḥ [afaṛṛaḥ]	Afarṛaḥ n lfedraq [afaṛṛaḥ nəlfəðraq]	Aḍebsi [aḍəvsi]	Tasilt n useqqi [θasilt usəq̄q̄i]
Aḍajin [aḍazin]	Taḍajint [θaḍazint]	Aḍebsi [aḍəvsi]	Tasilt n useqqi [θasilt usəq̄q̄i]
Bu fraḥ [vufraḥ]	Bu fraḥ [vufraḥ]	Aḍebsi [aḍəvsi]	Tamarmit [θamarmit]
Afarṛaḥ [afaṛṛaḥ]	Afarṛaḥ [afaṛṛaḥ]	Taqessult [θaqəssult]	Tasubyirt [θasupjirθ]
Bu fraḥ [vufraḥ]	Bu fraḥ [vufraḥ]	Tabaqit [θavaqiθ]	Tamarmit [θamarmit]
Afarṛaḥ [afaṛṛaḥ]	Afarṛaḥ [afaṛṛaḥ]	Aḍebsi [aḍəvsi]	Tabiduḥt [θaviðuḥθ]
Amsarraḥ [amsaṛraḥ]	Afarṛaḥ n lḥesba [afaṛṛaḥ nəlhə ba]	Aḍebsi [aḍəvsi]	Tasubyirt [θasupjirθ]
Ṭajin [ṭazin]	Ṭajin [ṭazin]	Aḍebsi [aḍəvsi]	Tamarmit [θamarmit]
Afarṛaḥ [afaṛṛaḥ]	Afarṛaḥ n temtunt [afaṛṛaḥ θəmθunt]	Tabaqit [θavaqiθ]	Tamarmit [θamarmit]

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Afarraḥ [afaḥraḥ]	Afarraḥ [afaḥraḥ]	Aḍebsi [aḍəvsi]	Tasilt [θasilt]
Ucbih [ufvih]	Ucbih n lhəsba [ufvih lhəsba]	Aḍebsi [aḍəvsi]	Tamarmit [θamarmit]
Afarraḥ n uneqqaru [afaḥraḥ unəq̄qaru]	Afarraḥ n temtunt [afaḥraḥ θəmθunt]	Taqessult [θaqəssult]	Tabiduḥt [θaviḍuḥθ]
Afarraḥ n uneqqaru [afaḥraḥ unəq̄qaru]	Afarraḥ n temtunt [afaḥraḥ θəmθunt]	Taqessult [θaqəssult]	Tabiduḥt [θaviḍuḥθ]
Afarraḥ [afaḥraḥ]	Tafarraḥt [θafaḥraḥθ]	Aḍebsi [aḍəvsi]	Abiduḥ [aviḍuḥ]
Afarraḥ [afaḥraḥ]	Tafarraḥt [θafaḥraḥθ]	Aḍebsi [aḍəvsi]	Abiduḥ n usarbi [aviḍuḥ usarvi]
Afarraḥ [afaḥraḥ]	Afarraḥ [afaḥraḥ]	Aḍebsi [aḍəvsi]	Tamarmit [θamarmit]
Afarraḥ [afaḥraḥ]	Afarraḥ [afaḥraḥ]	Tabaqit [θavaqiθ]	Takikoṭ [θakikoṭ]
Uskir [uskir]	Uskir [uskir]	Taqessult [θaqəssult]	Tuggi [θuḡgi]
Afarraḥ [afaḥraḥ]	Afarraḥ [afaḥraḥ]	Aḍebsi [aḍəvsi]	Tuggict [θuḡgiθ]
Uskir [uskir]	Uskir n temtunt [uskir θəmθunt]	Aḍebsi [aḍəvsi]	Tamarmit [θamarmit]
Aḍaḡin [aḍaḡzin]	Taḍajint [θaḍajint]	Tageskult [θagəskult]	Tamarmit [θamarmit]
Uskir [uskir]	Uskir [uskir]	Aḍebsi [aḍəvsi]	Tamarmit [θamarmit]
Aḍajin [aḍajin]	Aḍajin n temtunt [aḍajin ntəmθunt]	Aḍebsi ufexxar [aḍəvsi ufaḫḫar]	Tamarmit n ufexxar [θamarmit ufaḫḫar]

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Ađajin [ađazın]	Ađajin urqim [ađazın urqim]	Taqessult [θaqəssult]	Tacuyt [θafujθ]
Ađajin [ađazın]	Ađajin urqim [ađazın urqim]	Taqessult [θaqəssult]	Tacuyt [θafujθ]
Ađajin [ađazın]	Ađajin [ađazın]	Ađebisi [ađəvsi]	Tamarmit [θamarmit]
Ađajin [ađazın]	Ađajin [ađazın]	Ađebisi [ađəvsi]	Tamarmit [θamarmit]
Ađajin [ađazın]	Turqimt [θurqimθ]	Ađebisi [ađəvsi]	Akasrun [akasrun]
Ađajin [ađazın]	Ađajin [ađazın]	Ađebisi n wakal [ađəvsi baχal]	Tasilt n usarbi [θasilt usarvi]
Ađajin [ađazın]	Ađajin [ađazın]	Ađebisi [ađəvsi]	Tasilt [θasilt]
Ađajin [ađazın]	Ađajin [ađazın]	Ađebisi [ađəvsi]	Tasilt [θasilt]
Ađajin [ađazın]	Ađajin urqim [ađazın urqim]	Ađebisi [ađəvsi]	∅
Afarraħ [afarrah]	Afarraħ [afarrah]	Taqedduħt [θaqədduħθ]	Lasubyir [lasopjir]
Tađajint [θađazint]	Ađajin [ađazın]	Ađebisi [ađəvsi]	Tasubirt [θasupirθ]
Tađajint [θađazint]	Ađajin [ađazın]	Ađebisi [ađəvsi]	Tasubirt [θasupirθ]
Ađajin [ađazın]	Ađajin [ađazın]	Aqedduħ [aqədduħ]	Takasrunt [θakasrunt]
Ađağın [ađadğın]	Ađağın [ađadğın]	Ađebisi [ađəvsi]	Tajeqdurt [θazəqđurθ]
Afarraħ msarraħ [afarrah msarrah]	Afarraħ n rqem [afarrah narqəm]	Taqessult [θaqəssult]	Tabiduħt n useqqi [θaviđuħθ useqqi]

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Afarraḥ msarraḥ [afaḥḥaḥ msarḥaḥ]	Afarraḥ n rḡem [afaḥḥaḥ narḡem]	Taqessult [θaqəṣṣult]	Tabiduḥt n useqqi [θaviḏuḥθ useḡḡi]
Afarraḥ [afaḥḥaḥ]	Afarraḥ [afaḥḥaḥ]	Aḡebesi [aḡəvsi]	Taqdirt [θaqḏirθ]
Aḡajin [aḡazin]	Aḡajin [aḡazin]	Aḡebesi [aḡəvsi]	Tasilt n useqqi [θasilt useḡḡi]
Aḡajin [aḡazin]	Aḡajin [aḡazin]	Aḡebesi [aḡəvsi]	Tamarmit [θamarmit]
Afarraḥ [afaḥḥaḥ]	Afarraḥ iraqmen [afaḥḥaḥ iraqmən]	Aḡebesi uḡellal [aḡəvsi uḡəllal]	Taqdirt n uḡellal [θaqḏirθ uḡəllal]
Afarraḥ [afaḥḥaḥ]	Afarraḥ n temtunt [afaḥḥaḥ θəmθunt]	Aḡebesi [aḡəvsi]	Abiduḥ [aviḏuḥ]
Afarraḥ amsarraḥ [afaḥḥaḥ amsarḥaḥ]	Afarraḥ n rḡem [afaḥḥaḥ narḡem]	Aḡebesi [aḡəvsi]	Taqdirt n usarbi [θaqḏirθ usarvi]
Aḡajin [aḡazin]	Aḡajin [aḡazin]	Aḡebesi [aḡəvsi]	Tasubiyirt [θasupjirθ]
Aḡajin [aḡazin]	Aḡajin [aḡazin]	Aḡebesi [aḡəvsi]	Tasilt n usarbi [θasilt usarvi]
Aḡajin [aḡazin]	Aḡajin [aḡazin]	Taḡebesit [θaḡəvsiṯts]	Tamarmit [θamarmit]
Aḡajin [aḡazin]	Aḡajin [aḡazin]	Taḡebesit [θaḡəvsiṯts]	Tamarmit [θamarmit]
Afarraḥ [afaḥḥaḥ]	Afarraḥ [afaḥḥaḥ]	Aḡebesi [aḡəvsi]	Abuseqqi [avuseḡḡi]
Afarraḥ [afaḥḥaḥ]	Afarraḥ [afaḥḥaḥ]	Aḡebesi [aḡəvsi]	Tasilt n usarbi [θasilt usarvi]
Tajin [ṯazin]	Tajin [ṯazin]	Aḡebesi [aḡəvsi]	Tasilt [θasilt]

## Timerna 01

## Ammud

Ađajin [ađazin]	Ađajin n temtunt [ađazin ntəmθunt]	Ađebsi [ađəvsi]	Abuseqqi [avusəq̄qi]
Afarraḥ [afaḥraḥ]	Afarraḥ n temtunt [afaḥraḥ θəmθunt]	Ađebsi [ađəvsi]	Tasilt [θasilt]
Afarraḥ [afaḥraḥ]	Afarraḥ [afaḥraḥ]	Ađebsi [ađəvsi]	Tasilt [θasilt]
Imsarbaḥ [imsarvaḥ]	Imsarbaḥ [imsarvaḥ]	Ađebsi [ađəvsi]	Tamarmiṭ [θamarmit]
Uskir [uskir]	Uskir [uskir]	Ađebsi [ađəvsi]	Tuggict [θuḡgiθ]
Afarraḥ [afaḥraḥ]	Afarraḥ [afaḥraḥ]	Ađebsi [ađəvsi]	Tacuyt [θafujθ]
Afarraḥ [afaḥraḥ]	Afarraḥ [afaḥraḥ]	Taqessult [θaqəssult]	Tacuyt [θafujθ]
Ađajin [ađazin]	Ađajin [ađazin]	Ađebsi [ađəvsi]	Tasilt [θasilt]
Ađajin [ađazin]	Ađajin [ađazin]	Ađebsi [ađəvsi]	Tasilt [θasilt]
Ađajin [ađazin]	Ađajin [ađazin]	Ađebsi [ađəvsi]	Tasilt [θasilt]
Ađajin [ađazin]	Ađajin [ađazin]	Aqedduḥ [aqəd̄duḥ]	Tasilt n usarbi [θasilt usarvi]
Ṭajin [ṭazin]	Ṭajin [ṭazin]	Ađebsi [ađəvsi]	Taqluct [taqluθ]
Ṭajin [ṭazin]	Ṭajin [ṭazin]	Ađebsi [ađəvsi]	Taqluct [taqluθ]
Uskir [uskir]	Uskir [uskir]	Aqedduḥ [aqəd̄duḥ]	Tamarmiṭ [θamarmit]
Ucbiḥ [ufviḥ]	Ucbiḥ [ufviḥ]	Ađebsi [ađəvsi]	Tamarmiṭ [θamarmit]

## Timerna 01

## Ammud

Afarraḥ amsarraḥ [afarrah amsarrah]	Afarraḥ l'esba [afarrah l'esba]	Aḍebsi [adəvsi]	Abiduḥ [aviðuḥ]
Afarraḥ amsarraḥ [afarrah amsarrah]	Afarraḥ l'esba [afarrah l'esba]	Aḍebsi [adəvsi]	Abiduḥ [aviðuḥ]
Aḍajin [adəzin]	Aḍajin n temtunt [adəzin ntəmθunt]	Taḍebsit [θadəvsiʔts]	Tacuyt n useqqi [θafujθ usəq̄qi]
Bu fraḥ [vufrah]	Bu fraḥ [vufrah]	Aḍebsi [adəvsi]	Tamarmit [θamarmit]
Aḍajin [adəzin]	Aḍajin [adəzin]	Aḍebsi [adəvsi]	Tabiduḥt [θaviðuḥθ]
Aḍajin [adəzin]	Aḍajin [adəzin]	Aḍebsi [adəvsi]	Tabiduḥt [θaviðuḥθ]
Tuskirt [θuskirθ]	Tuskirt [θuskirθ]	Aḍebsi [adəvsi]	Tuggict n useqqi [θuggiʔθ usəq̄qi]
Ucbiḥ [ufviḥ]	Ucbiḥ [ufviḥ]	Aḍebsi [adəvsi]	Tamarmit [θamarmit]
Aḍağin [adad̄zin]	Aḍağin [adad̄zin]	Tarbut [θarvuθ]	Tamarmit [θamarmit]
Bu fraḥ [vufrah]	Bu fraḥ [vufrah]	Aḍebsi [adəvsi]	Tamarmit [θamarmit]
Aṭajin [atazin]	Aṭajin [atazin]	Tabaqit [θavaqiθ]	Tamarmit [θamarmit]
Aḍajin [adəzin]	Aḍajin n temtunt [adəzin ntəmθunt]	Aḍebsi n seksu [adəvsi nsəχsu]	Tamarmit [θamarmit]
Aḍajin [adəzin]	Afarraḥ [afarrah]	Aḍebsi uqellal [adəvsi uqəllal]	Taḥellabt [θaḥəllavθ]
Ṭajin [ṭazin]	Ṭajin [ṭazin]	Aḍebsi [adəvsi]	Takasrunt [θakasrunt]
Aḍajin [adəzin]	Aḍajin [adəzin]	Aḍebsi [adəvsi]	Tacuyt [θafujθ]

Timerna 01

Ammud

Amsarbaḥ [amsarvaḥ]	Amsarbaḥ [amsarvaḥ]	Aḍebsi [aḍəvsi]	Tacuvt [θafujθ]
Aḍajin [aḍazin]	Aḍajin [aḍazin]	Aḍebsi [aḍəvsi]	Tamarmit [θamarmit]
Afarraḥ [afaḥraḥ]	Afarraḥ [afaḥraḥ]	Tabaqit [θavaqiθ]	Akasrun [akasrun]
Aḍajin [aḍazin]	Aḍajin [aḍazin]	Aḍebsi [aḍəvsi]	Tacuvt [θafujθ]
Afarraḥ [afaḥraḥ]	Afarraḥ [afaḥraḥ]	Aḍebsi [aḍəvsi]	Taqbuct n useqqi [θaqvoθ usəq̄qi]

Aqbuc	Tasilt	Taseksut	Akasrun	Lmeṣbaḥ
Ttas [ttas]	Tuggict [θuḡgiθ]	Taseksut [θasəxsuʈts]	Akasrun [akasrun]	Lmeṣbaḥ [lmə vaḥ]
Abettac [avəttaf]	Tuggict [θuḡgiθ]	Taseksut [θasəxsuʈts]	Abiduh [aviðuḥ]	Lmeṣbaḥ [lmə vaḥ]
Aqbuc [aqvo]	Tuggict [θuḡgiθ]	Taseksut [θasəxsuθ]	Akasrun [akasrun]	Lmeṣbaḥ [lmə vaḥ]
Aqbuc [aqvo]	Tuggict [θuḡgiθ]	Taseksut [θasəxsuθ]	Akasrun [akasrun]	Lmeṣbaḥ [lmə vaḥ]
Ttas [ttas]	Tasilt [θasilt]	Taseksut [θasəksuʈts]	Akasrun [akasrun]	Lmeṣbaḥ [lmə vaḥ]
Aqbuc [aqvo]	Tasilt [θasilt]	Taseksut [θasəxsuʈts]	Akasrun [akasrun]	Lmeṣbaḥ [lmə vaḥ]
Aqbuc [aqvo]	Tasilt [θasilt]	Taseksut [θasəxsuθ]	Abiduh [aviðuḥ]	Lmeṣbaḥ [lmə vaḥ]

## Timerna 01

## Ammud

Aqbuc [aqvoʃ]	Tasilt [θasilt]	Taseksut [θasəχsut]	Amarmid [amarmid]	Lmeşbaḥ [lmə vaḥ]
Aqbuc [aqvoʃ]	Tasilt [θasilt]	Taseksut [θasəχsuʃts]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Aqbuc [aqvoʃ]	Tasilt [θasilt]	Taseksut [θasəχsuʃts]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Taqbuct [θaqvoθ]	Tasilt [θasilt]	Taseksut [θasəχsuθ]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Aqbuc [aqvoʃ]	Tasilt [θasilt]	Taseksut [θasəχsuʃts]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Abetṭac [avəʃtaʃ]	Tasilt [θasilt]	Taseksut [tasəksuʃts]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Abuqal [avuqal]	Tasilt [θasilt]	Taseksut [θasəχsuθ]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Aqbuc [aqvoʃ]	Taqdirt [θaqdirθ]	Taseksut [θasəχsuθ]	Tabiduḥt [θaviðuḥθ]	Lmeşbaḥ [lmə vaḥ]
Aqbuc n yiyi [aqvoʃ ɡɡiʃi]	Taqdirt [θaqdirθ]	Taseksut [θasəχsuθ]	Abiduḥ [aviðuḥ]	Lmeşbaḥ [lmə vaḥ]
Abuqal [avuqal]	Tasilt [θasilt]	Taseksut [θasəχsuθ]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Aqbuc [aqvoʃ]	Tasilt [θasilt]	Taseksut [θasəχsuθ]	Akasrun [akasrun]	Lmeşbaḥ [mə vaḥ]
Abuqal n yiyi [avuqal njiʃi]	Tacuyt [θafujθ]	Taseksut [θasəχsuθ]	Ṭnijra [tnizra]	Imeşbaḥ [imə vəḥ]
Aqbuc [aqvoʃ]	Tacuyt [θafujθ]	Taseksut [θasəχsuʃts]	Tamarmiṭ [θamarmiṭ]	Lmeşbaḥ [lmə vaḥ]
Abuqay [avuqaj]	Tacuyt [θafujθ]	Taseksut [θasəksuʃts]	Ṭnijra [tnizra]	Lmeşbaḥ [lmə vaḥ]
Abuqal n yiyi [avuqal njiʃi]	Tacuyt [θafujθ]	Taseksut [θakəskasθ]	∅	Lmeşbaḥ [lmə vaḥ]
Ṭṭas [ʃtas]	Tasilt [θasilt]	Taseksut [θasəχsuθ]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]

## Timerna 01

## Ammud

Tabeqrajt [θavəqrazθ]	Tasilt [θasilt]	Taseksut [θasəχsuʔts]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Ṭtas [ʔʔas]	Tasilt [θasilt]	Taseksut [θasəχsuθ]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Abuqal n yiyi [avuqal ɡɡiʔi]	Tasilt [θasilt]	Taseksut [θasəχsuθ]	Abiduḥ [aviðuḥ]	Lmeşbaḥ [lmə vaḥ]
Aqbuc [aqvo]	Tasilt [θasilt]	Taseksut [θasəχsuʔts]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Abegrur [avəgrur]	Tuggi [θuɡɡi]	Taseksut [θasəχsuʔts]	Aḍebbax [aḍəbbax]	Lmeşbaḥ [lmə vaḥ]
Abagraj [abəgraz]	Tugi [θu:gi]	Taseksut [θasəχsuʔts]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Ṭtas [ʔʔas]	Tuggi [θuɡɡi]	Taseksut [θasəχsuθ]	Taḍebbaxt [θaḍəbbaxθ]	Lmeşbaḥ [lmə vaḥ]
Abuqal [avuqal]	Tacuyt [θaʔujθ]	Taseksut [θasəχsuʔts]	Lmaqli [lmaqli]	Lmeşbaḥ [lmə vaḥ]
Abuqal [avuqal]	Tacuyt [θaʔujθ]	Taseksut [θasəχsuʔts]	Tamarmit [θamarmit]	Lmeşbaḥ [lmə vaḥ]
Abuqay [avuqaj]	Tacuyt [θaʔujθ]	Taseksut [θasəχsuʔts]	Tacuyt [θaʔujθ]	Lmeşbaḥ [lmə vaḥ]
Abuqal [avuqal]	Tacuyt [θaʔujθ]	Taseksut [θasəχsuθ]	Taḍebbaxt [θaḍəbbaxθ]	Lmeşbaḥ [lmə vaḥ]
Abuqal [avuqal]	Tacuyt [θaʔujθ]	Taseksut [θasəχsuθ]	Tacuyt n leǧwaz [θaʔujθ nləḍʒwaz]	Lmeşbaḥ [lmə vaḥ]
Abuqay [avuqaj]	Tacuyt [θaʔujθ]	Taseksut [θasəχsuθ]	Tacuyt [θaʔujθ]	Ymeşbaḥ [jmə vaḥ]
Ṭtas [ʔʔas]	Tasilt [θasilt]	Taseksut [θasəχsuʔts]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Aqbuc [aqvo]	Taqdirt [θaqdirθ]	Taseksut [θasəχsuʔts]	Tabiduḥt [θaviðuḥθ]	Lmeşbaḥ [lmə vaḥ]
Ṭtas [ʔʔas]	Tasilt [θasilt]	Taseksut [θasəχsuʔts]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]

## Timerna 01

## Ammud

Ṭtas [ṭtas]	Tasilt [θasilt]	Taseksut [θasəχsufts]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Abetṭac [avəṭta]	Tasilt [θasilt]	Taseksut [θasəχsufts]	Tamarmiṭ [tamarmiṭ]	Lmeşbaḥ [lmə vaḥ]
Aqbuc [aqvo]	Tasilt [θasilt]	Taseksut [θasəχsuθ]	Amarmiḍ [amarmiḍ]	Lmeşbaḥ [lmə vaḥ]
Ṭtas [ṭtas]	Tuggict [θuḡgiθ]	Taseksut [θasəχsufts]	Tabiduḥṭ [θaviḏuḥθ]	Lmeşbaḥ [lmə vaḥ]
Abetṭac [avəṭta]	Tasilt [θasilt]	Taseksut [θasəχsufts]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Ṭtas [ṭtas]	Tasilt [θasilt]	Taseksut [θasəχsuθ]	Aqedduḥ useqqi [aqəḍduḥ usəq̣qi]	Lmeşbaḥ [lmə vaḥ]
Taqbucṭ [θaqvoθ]	Tasilt [θasilt]	Taseksut [θasəχsufts]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Abetṭac [avəṭta]	Tuggict [θuḡgiθ]	Taseksut [θasəχsufts]	Abiduḥ [aviḏuḥ]	Lmeşbaḥ [lmə vaḥ]
Taqbucṭ [θaqvoθ]	Tasilt [θasilt]	Taseksut [θasəχsuθ]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Tabuqalṭ [θavuqalṭ]	Tasilt [θasilt]	Taseksut [θasəχsuθ]	Abiduḥ [aviḏuḥ]	Lmeşbaḥ [lmə vaḥ]
Aqluc [aqlu]	Tasilt [θasilt]	Taseksut [θasəχsufts]	Akasrun [akasrun]	Imeşbaḥ [imə vaḥ]
Aqbuc [aqbo]	Taqdirṭ [θaqdirθ]	Taseksut [θasəksuθ]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Abetṭac [avəṭta]	Tuggict [θuḡgiθ]	Taseksut [θasəχsuθ]	Aqedduḥ [aqəḍduḥ]	Lmeşbaḥ [lmə vaḥ]
Aqbuc [aqvo]	Tuggict [θuḡgiθ]	Taseksut [θasəχsuθ]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Ṭtas [ṭtas]	Tasilt [θasilt]	Taseksut [θasəχsuθ]	Aqedduḥ [aqəḍduḥ]	Lmeşbaḥ [lmə vaḥ]
Lmecreb n yiḡi [lməʃrəb isi]	Taqdirṭ [θaqdirθ]	Taseksut [θasəχsuθ]	Abiduḥ [aviḏuḥ]	Ameşbaḥ [amə vaḥ]

## Timerna 01

## Ammud

Lmecreb n yiḡi [lməʃrəb isi]	Taqdirt [θaɔðirθ]	Taseksut [θasəχsuθ]	Abiduh [aviðuḡ]	Ameṣbaḡ [amə vaḡ]
Ṭtas [ṫtas]	Taqdirt [θaɔðirθ]	Taseksut [θasəχsuθ]	Abiduh [aviðuḡ]	Lmeṣbaḡ [lmə vaḡ]
Ṭtas [ṫtas]	Taqdirt [θaɔðirθ]	Taseksut [θasəχsuθ]	Abiduh [aviðuḡ]	Lmeṣbaḡ [lmə vaḡ]
Aqbuc [aqvo]	Tasilt [θasilt]	Taseksut [θasəχsuθ]	Akasrun [akasrun]	Lmeṣbaḡ [lmə vaḡ]
Abettac [avəṫta]	Tasilt [θasilt]	Taseksut [θasəχsuṫts]	Akasrun [akasrun]	Lmeṣbaḡ [lmə vaḡ]
Aqbuc [aqvo]	Tuggi [θuḡḡi]	Taseksut [θasəχsuṫts]	Akasrun [akasrun]	Lmeṣbaḡ [lmə vaḡ]
Taqluct [θaqluθ]	Tacuyt [θaɟujθ]	Taseksut [θasəχsuθ]	Tamarmiṫ [θamarmit]	Lmeṣbaḡ [lmə vaḡ]
Tabuqalt n yiḡi [θavuqalt ḡḡibi]	Tacuyt [θaɟujθ]	Taseksut [θasəχsuṫts]	Tamarmiṫ [θamarmit]	Lmeṣbaḡ [lmə vaḡ]
Tabuqalt [θavuqalt]	Tacuyt [θaɟujθ]	Taseksut [θasəχsuṫts]	Tamarmiṫ [θamarmit]	Lmeṣbaḡ [lmə vaḡ]
Aqbuc [aqvo]	Tacuyt [θaɟujθ]	Aseksut [asəχsuθ]	Tamarmiṫ [θamarmit]	Lmeṣbaḡ [lmə vaḡ]
Taqluct [θaqluθ]	Tuggi [θuḡḡi]	Aseksut [asəχsuθ]	Tamarmiṫ [θamarmit]	Lmeṣbaḡ [lmə vaḡ]
Abettac [avəṫta]	Tacuyt [θaɟujθ]	Taseksut [θasəksuṫts]	Ṭnijra [tnizra]	Lmeṣbaḡ [lmə vaḡ]
Abettac [avəṫta]	Tacuyt [θaɟujθ]	Taseksut [θasəksuṫts]	Ṭnijra [tnizra]	Lmeṣbaḡ [lmə vaḡ]
Tabuqalt [θavuqalt]	Tasilt [θasilt]	Taseksut [θasəksuθ]	Akasrun [akasrun]	Lmeṣbaḡ [lmə vaḡ]
Aqbuc [aqvo]	Tasilt [θasilt]	Taseksut [θasəksuṫts]	Akasrun [akasrun]	Lmeṣbaḡ [lmə vaḡ]

## Timerna 01

## Ammud

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Ṭtas [ṭtas]	Taennabit [θaɲɛn̄naviθ]	Taseksut [θasəksuθ]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Aqbuc [aqvoʃ]	Tasilt [θasilt]	Taseksut [θasəχsuʃts]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Ṭtas [ṭtas]	Tasilt [θasilt]	Taseksut [θasəχsuʃts]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Ṭtas [ṭtas]	Tasilt [θasilt]	Taseksut [θasəχsuʃts]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Afengal [afənd̄ʒal]	Tasilt [θasilt]	Taseksut [θasəχsuθ]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Abettac [avətṭaʃ]	Tasilt [θasilt]	Taseksut [θasəχsuʃts]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Aqbuc [aqvoʃ]	Tasilt [θasilt]	Taseksut [θasəχsuʃts]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Aqbuc [aqvoʃ]	Tasilt [θasilt]	Taseksut [θasəχsuʃts]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Ahelyiw [aḥəljiw]	Tasilt [θasilt]	Taseksut [θasəχsuʃts]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Abuqal n yiʒi [avuqal ɡɡiʒi]	Tasilt [θasilt]	Taseksut [θasəχsuθ]	Ṭajin [ṭaʒin]	Lmeşbaḥ [lmə vaḥ]
Ṭtas [ṭtas]	Taqdirt [θaqðirθ]	Taseksut [θasəχsuʃts]	Aqdir [aqðir]	Lmeşbaḥ [lmə vaḥ]
Ṭtas [ṭtas]	Taqdirt [θaqðirθ]	Taseksut [θasəχsuʃts]	Aqdir [aqðir]	Lmeşbaḥ [lmə vaḥ]
Aqbuc [aqvoʃ]	Taqdirt [θaqðirθ]	Taseksut [θasəχsuʃts]	Abiduḥ [aviðuḥ]	Lmeşbaḥ [lmə vaḥ]
Aqbuc [aqvoʃ]	Tasilt [θasilt]	Taseksut [θasəχsuθ]	Akasrun n uqellal [akasrun uqəllal]	Lmeşbaḥ [lmə vaḥ]
Aqbuc [aqvoʃ]	Tasilt [θasilt]	Taseksut [θasəχsuʃts]	Abiduḥ [aviðuḥ]	Lmeşbaḥ [lmə vaḥ]

## Timerna 01

## Ammud

Aqbuc [aqvoʃ]	Tuggict [θuɡgiθ]	Taseksut [θasəχsuʃts]	Akasrun n wakat[akasrun ɒbaχal]	Lmeşbaħ [lmə vaħ]
Abettac [avəttaʃ]	Taqdirt [θaqaðirθ]	Taseksut [θasəχsuʃts]	Akasrun [akasrun]	Lmeşbaħ [lmə vaħ]
Abettac [avəttaʃ]	Tabiduħt [θaviðuħθ]	Taseksut [θakeskasθ]	Tabiduħt [θaviðuħθ]	Lmeşbaħ [lmə vaħ]
Taqbuct [θaqqvoʃθ]	Tacuyt [θaʃujθ]	Taseksut [θasəksuθ]	Takasrunt [θakasrunt]	Lmeşbaħ [lmə vaħ]
Ttas [ttas]	Tacuyt [θaʃujθ]	Aseksut [asəχsuθ]	Akasrun [akasrun]	Lmeşbaħ [lmə vaħ]
Tabuqalt [θavuqalt]	Tacuyt [θaʃujθ]	Taseksut [θasəχsuʃts]	Tamarmiṭ [θamarmiṭ]	Lmeşbaħ [lmə vaħ]
Tabuqalt [θavuqalt]	Tacuyt [θaʃujθ]	Taseksut [θasəχsuʃts]	Tamarmiṭ [θamarmiṭ]	Lmeşbaħ [lmə vaħ]
Aqbuc [aqvoʃ]	Tasilt [θasilt]	Taseksut [θasəχsuʃts]	Tabiduħt [θaviðuħθ]	Lmeşbaħ [lmə vaħ]
Aqbuc [aqvoʃ]	Tasilt [θasilt]	Taseksut [θasəχsuʃts]	Taqedduħt [θaqaðɒduħθ]	Lmeşbaħ [lmə vaħ]
Abuqal [avuqal]	Tasilt [θasilt]	Taseksut [θasəχsuʃts]	Akasrun [akasrun]	Lmeşbaħ [lmə vaħ]
Aqbuc n yiʃi [aqvoʃ ɡgiʃi]	Tasilt [θasilt]	Aseksut [asəχsuθ]	Tuggi [θuɡgi]	Lmeşbaħ [lmə vaħ]
Ttas [ttas]	Taqdirt [θaqaðirθ]	Taseksut [θasəχsuʃts]	Tabiduħt [θaviðuħθ]	Lmeşbaħ [lmə vaħ]
Abuqal [avuqal]	Tasilt [θasilt]	Taseksut [θasəχsuʃts]	Abiduħ [aviðuħ]	Lmeşbaħ [lmə vaħ]
Tabuqalt n yiʃi [θavuqalt nʃiʃi]	Tasilt [θasilt]	Taseksut [θasəχsuʃts]	Tamarmiṭ [θamarmiṭ]	Lmeşbaħ [lmə vaħ]
Acabcaq [aʃavʃaq]	Tuggi [θuɡgi]	Taseksut [θasəχsuʃts]	Akasrun [akasrun]	Lmeşbaħ [lmə vaħ]

## Timerna 01

## Ammud

Aqbuc [aqvoʃ]	Tasilt [θasilt]	Taseksut [θasəχsuʃts]	Abiduḥ [aviðuḥ]	Lmeşbaḥ [lmə vaḥ]
Abuqal [avuqal]	Tasilt [θasilt]	Taseksut [θasəχsuθ]	Tasilt [θasilt]	Lmeşbaḥ [lmə vaḥ]
Aqbuc [aqvoʃ]	Tasilt [θasilt]	Taseksut [θasəχsuʃts]	Taqedduḥt [θaqəd̪duḥθ]	Lmeşbaḥ [lmə vaḥ]
Aqbuc [aqvoʃ]	Tasilt [θasilt]	Taseksut [θasəχsuʃts]	Akasrun n uqellal [akasrun uqəʃʃal]	Lmeşbaḥ [lmə vaḥ]
Aqbuc [aqvoʃ]	Tasilt [θasilt]	Taseksut [θasəχsuʃts]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Abuqal [avuqal]	Tasilt [θasilt]	Taseksut [θasəχsuʃts]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Abuqal [avuqal]	Qedra [qədra]	Taseksut [θakəkaskasθ]	Kasrun [kasrun]	Lmeşbaḥ [lmə vaḥ]
Abuqal [avuqal]	Qedra [qədra]	Akeskas [akəkaskas]	Kasrun [kasrun]	Lmeşbaḥ [lma vaḥ]
Aqdur [arḏur]	Tugi [θu:gi]	Taseksut [θasəχsuʃts]	Tadəbbaxt [θadəbbaxθ]	Lmeşbaḥ [lmə vaḥ]
Acabcaq [aʃavʃaq]	Tuggi [θuɡgi]	Taseksut [θasəχsuθ]	Tamarmiṭ [θamarmiṭ]	Imeşbaḥ [imə vaḥ]
Lmecreb [lməʃrəb]	Taqdirt [θaqdirθ]	Taseksut [θasəχsuʃts]	Abiduḥ [aviðuḥ]	Lmeşbaḥ [lmə vaḥ]
Lmecreb [lməʃrəb]	Taqdirt [θaqdirθ]	Taseksut [θasəχsuʃts]	Abiduḥ [aviðuḥ]	Lmeşbaḥ [lmə vaḥ]
Abuqal [avuqal]	Tacuyt [θaʃujθ]	Taseksut [θasəχsuθ]	Tacuyt n leḡwaz [θaʃujθ nləd̪zʷaz]	Lmeşbaḥ [lmə vaḥ]
Aqbuc [aqvoʃ]	Tasilt [θasilt]	Taseksut [θasəχsuʃts]	Abiduḥ [aviðuḥ]	Lefnar [ləfnar]
Abett̪ac [avət̪taʃ]	Tabiduḥt [θaviðuḥθ]	Aseksut [asəχsuθ]	Tabiduḥt [θaviðuḥθ]	Meşbaḥ [mə vaḥ]
Aqbuc [aqvoʃ]	Tabiduḥt [θaviðuḥθ]	Aseksut [asəχsuθ]	Tabiduḥt [θaviðuḥθ]	Meşbaḥ [mə vaḥ]

## Timerna 01

## Ammud

Aqluc [aqluʃ]	Tuggi [θuɡgi]	Taseksut [θasəχsuʃts]	Aḍebbax [aḍəbbax]	Lmeşbaḥ [lmə vaḥ]
Taqbuct [θaqvoʃθ]	Tuggi [θuɡgi]	Taseksut [θasəksuθ]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Abuqal [avuqal]	Tacuyt [θafujθ]	Taseksut [θasəχsuθ]	∅	Lmeşbaḥ [lmə vaḥ]
Tabuqalt [θavuqalt]	Tasilt [θasilt]	Taseksut [θasəχsuθ]	Tatajint [θatazint]	Lmeşbaḥ [lmə vaḥ]
Acabcaq [aʃavʃaq]	Tuggi [θuɡgi]	Taseksut [θasəχsuθ]	Tabiduḥt [θaviḍuḥθ]	Lmeşbaḥ [lmə vaḥ]
Abuqal [avuqal]	Tacuyt [θafujθ]	Taseksut [θasəχsuʃts]	Tamarmiṭ n usewwi [θamarmiṭ usebbwi]	Lmeşbaḥ [lmə vaḥ]
Tṭas [tṭas]	Tasilt [θasilt]	Taseksut [θasəχsuʃts]	Taḥellabt [θaḥəllavθ]	Lmeşbaḥ [lmə vaḥ]
Tṭas [tṭas]	Tasilt [θasilt]	Taseksut [θasəχsuθ]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Abuqal [avuqal]	Tacuyt [θafujθ]	Taseksut [θasəχsuθ]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Abuqal [avuqal]	Tuggi [θuɡgi]	Aseksut [asəksuθ]	Tnijra [tnizra]	Lmeşbaḥ [lmə vaḥ]
Aqbuc [aqvoʃ]	Tacuyt [θafujθ]	Aseksut [asəχsuθ]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Aqbuc [aqvoʃ]	Tasilt [θasilt]	Taseksut [θasəχsuθ]	Taməqlit [taməqliθ]	Lmeşbaḥ [lmə vaḥ]
Taqbuct [θaqvoʃθ]	Tamarmiṭ [θamarmiṭ]	Taseksut [θasəχsuθ]	Akasrun [akasrun]	Lmeşbaḥ [lmə vaḥ]
Aqbuc [aqvoʃ]	Taqdirt [θaqḍirθ]	Taseksut [θasəχsuθ]	Abiduḥ [aviḍuḥ]	Lmeşbaḥ [lmə vaḥ]

## Timerna 01

## Ammud

Abettac	Tachiht	Tayellayt	Tasebbalt	Tabriqt	Tabaqit
Acabcaq [aʃavʃaq]	Tajhiht [θaʒhihθ]	Tayellayt [θaʁəllajθ]	Tagdurt [θaʁðurθ]	Tabeqrajt [θabəqrazθ]	Taqedduht [θaqəd̥duhθ]
Tabettact [θavətt̪aθ]	Tasenduqt [θasənduqθ]	Tayellayt [θaʁəllajθ]	Tasebbalt [θasəbbalt]	Tabriqt [θavriqθ]	Tarehhalit [θarəh̥haliθ]
Aqbuc [aqvoʃ]	Tachiht [θaʃhihθ]	Tayellayt [θaʁəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Tabaqit [θavaqiθ]
Abettac [avətt̪aʃ]	Tajhiht [θaʒhihθ]	Tayellayt [θaʁəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Tarehhalit [θarəh̥haliθ]
T̪tas [tt̪as]	Tajhiht [θaʒhihθ]	Tayellayt [θaʁəllajθ]	Tasebbalt [θasəbbalt]	Abeqraj [avəqraz]	Tabaqit [θavaqiθ]
Aqbuc [aqvoʃ]	Tachiht [θaʒhihθ]	Tayellayt [θaʁəllajθ]	Taḍebrit [θaḍəvriθ]	Tabeqrajt [θavəqrazθ]	Tabaqit [θavaqiθ]
Acabcaq [aʃavʃaq]	Tachiht [θaʃhihθ]	Tayellayt [θaʁəllajθ]	Tasebbalt [θasəbbalt]	Abaqraj [abaqraz]	Taqessult [θaqəssult]
Aqbuc [aqvoʃ]	Tachiht [θaʃhihθ]	Tayellayt [θaʁəllajθ]	Tasebbalt [θasəbbalt]	Tabaqrağt [θabaqrad̥zθ]	Taqessult [θaqəssult]
Aqbuc [aqvoʃ]	Tameçhaht [θaməh̥ahθ]	Tayellayt [θaʁəllajθ]	Tasebbalt [θasəbbalt]	Tabaqrajt [θabaqrazθ]	Tabaqect [θavaqəθ]
Aqbuc [aqvoʃ]	Tachiht [θaʃhihθ]	Tayellayt [θaʁəllajθ]	Tasebbalt [θasəbbalt]	Tabaqrağt [θabaqrad̥zθ]	Taqessult [θaqəssult]
Aqbuc [aqvoʃ]	Tachiht [θaʃhihθ]	Tayellayt [θaʁəllajθ]	Tasebbalt [θasəbbalt]	Taseffayt [θa ɛffajθ]	Taqessult [θaqəssult]

## Timerna 01

## Ammud

Aqbuc [aqvoʃ]	Tajhiht [θaʒhihθ]	Tayellayt [θaʁəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θabaqrazθ]	Tabaqect [θavaqəθ]
Aqbuc [aqvoʃ]	Tachahat [θaʃhahθ]	Tayellayt [θaʁəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θabaqrazθ]	Lğefna tamectūht [lɔʒəfna θaməʃtuħθ]
Ṭtas [ttas]	Tachiht [θaʃhihθ]	Tayellayt [θaʁəllajθ]	Tasebbalt [θasəbbalt]	Tabuqrajt [θavuqrazθ]	Tağefniwt [θadʒəfniwθ]
Abuqal [avuqal]	Tachiht [θaʃhihθ]	Tayellayt [θaʁəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Tabeqsit [θavəqsiθ]
Aqbuc [aqvoʃ]	Tajhihit [θaʒhihθ]	Tayellayt [θaʁəllajθ]	Tasebbalt [θasəbbalt]	Tabriqt [θavriqθ]	Tarehhalit [θarəhhalith]
Aqbuc [aqvoʃ]	Tachiht [θaʃhihθ]	Tayellayt [θaʁəllajθ]	Tasebbalt [θasəbbalt]	Tabriqt [θavriqθ]	Tabaqit [θavaqiθ]
Abuqal [avuqal]	Tachiht [θaʃhihθ]	Tayellayt [θaʁəllajθ]	Tasebbalt [θasəbbalt]	Abarrad [abaʁrad]	Tabaqit [θavaqiθ]
Abuqal [avuqal]	Tachiht [θaʃhihθ]	Tayellayt [θaʁəllajθ]	Tasebbalt [θasəbbalt]	Tabriqt [θavriqθ]	Taqedduht [θaqəḍduħθ]
Abuqal n yiyi [avuqal ɡ̣giʁi]	Tachiht [θaʃhihθ]	Tayellayt [θaʁəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Tarbut [θarvuθ]
Taqbuct [θaqvoʃθ]	Tajhiht [θaʒhihθ]	Tayellayt [θaʁəllajθ]	Tasebbalt [θasəbbalt]	Tabriqt [θavriqθ]	Ljefna tamectūht [lʒəfna θaməʃtuħθ]
Abuqay [Avuqaj]	Tacehahaht	Tayellayt	Tasebbalt	Tabeqrajt [θavəqrazθ]	Tabaqit [θavaqiθ]

## Timerna 01

## Ammud

	[θafəh̄hah̄θ]	[θakəllajθ]	[θasəbbalt]		
Afengal n yiyi [afənd̄zal ḡgixi]	Tachiht [θaʃhihθ]	Tayellayt [θakəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θabəqrazθ]	Taqessult [θaqəssult]
T̄tas [t̄tas]	Tajhiht [θazhihθ]	Tayellayt [θakəllajθ]	Lbila [lvila]	Tabeqrajt [θavəqrazθ]	Tabeqsit [θavəqsiθ]
Lkas [lkas]	Tajhiht [θazhihθ]	Tayellayt [θakəllajθ]	Tablewt [θavləwθ]	Tabeqrajt [θavəqrazθ]	Tabaqit [θavaqiθ]
Abuqal [avuqal]	Tachiht [θaʃhihθ]	Tayellayt [θakəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqraʃθ]	Tareh̄lit [θarəh̄liθ]
Abuqal [avuqal]	Tamechaht [θaməʃhah̄θ]	Tayellayt [θakəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqraʃθ]	Tareh̄lit [θarəh̄liθ]
Aqbuc [aqvof]	Lewfar [ləwfar]	Tayellayt [θakəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Tabaqit [θavaqiθ]
Taqluct [θaqluʃθ]	Taciḥat [θaʃihatt̄s]	Tayellayt [θakəllajθ]	Tasebbalt [θasəbbalt]	Ḥ Təʃeffayt [θa əffajθ]	Tabaqit [θavaqiθ]
Abagraj [abagraʒ]	Tajhiht [θazhihθ]	Tayellayt [θakəllajθ]	Tasebbalt [θasəbbalt]	Abeqraj [avəqraz]	Tabaqit [θavaqiθ]
T̄tas [t̄tas]	Ch̄iḥa [ʃhiha]	Taṭawat [θaṭawatt̄s]	Tasebbalt [θasəbbalt]	Abriq [avriq]	Tarbuyt [θarvujθ]
Tabuqalt [θavuqalt]	Tachiht [θaʃhihθ]	Tayellayt [θakəllajθ]	Taxabit [θaxaviθ]	Abriq [avriq]	Taqessult [θaqəssult]

## Timerna 01

## Ammud

Tabuqalt [θavuqalt]	Tachiht [θaʃhihθ]	Tayellayt [θaβəllajθ]	Lvila [lvila]	Tabriqt [θavriqθ]	Tabaqit [θavaqiθ]
Tabuqayt [θavuqajθ]	Tachiht [θaʃhihθ]	Tayellayt [θaβəllajθ]	Lviya [lvija]	Təseffayt [θa əffajθ]	Lğefna [ld̄zəfna]
Abuqal [avuqal]	Tachiht [θaʃhihθ]	Tayellayt [θaβəllajθ]	Lvila [lvila]	Tabriqt [θavriqθ]	Tabaqit [θavaqiθ]
Tabuqalt [θavuqalt]	Çiħa [ʃhiħa]	Tayellayt [θaβəllajθ]	Tacmuxt [θaʃmuxθ]	Tabeqrajt [θabəqrazθ]	Taqessult [θaqəssult]
Abuqay [avuqaj]	Tameçəħt [θaməʃħəhθ]	Tayellayt [θaβəllajθ]	Lbiya [lvija]	Abriq [avriq]	Ljefna [lʒəfna]
Ttas [ttas]	Tajhiht [θazhihθ]	Takasrunt [θakasrunt]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Tabaqit [θavaqiθ]
Ttas [ttas]	Tachiht [θaʃhihθ]	Tayellayt [θaβəllajθ]	Tasebbalt [θasəbbalt]	Təseffayt [θa əffajθ]	Taqessult [θaqəssult]
Ttas [ttas]	Tajhiht [θazhihθ]	Tayellayt [θaβəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Tabaqit [θavaqiθ]
Ttas [ttas]	Taxrit [θaxrit]	Tayellayt [θaβəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Tabaqit [θavaqiθ]
Tabəttact [θavəttajθ]	Çiħa [ʃhiħa]	Tayellayt [θaβəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Taqedduht [θaqəd̄duhθ]
Afəŋgal [afənd̄zəl]	Tameçəħt	Tayellayt	Tasebbalt	Tabeqrajt [θavəqrazθ]	Taqedduht [θaqəd̄duhθ]

## Timerna 01

## Ammud

	[θaməʃhahθ]	[θaɤəʃʃajθ]	[θasəɸbalt]		
Ṭtas [ṭtas]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəʃʃajθ]	Tasebbalt [θasəɸbalt]	Tabeqrajt [θavəqrazθ]	Timarhelt [θimarhelt]
Ṭtas [ṭtas]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəʃʃajθ]	Tasebbalt [θasəɸbalt]	Tabeqrajt [θabəqrazθ]	Taqessult [θaqəʃsult]
Ṭtas [ṭtas]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəʃʃajθ]	Tasebbalt [θasəɸbalt]	Tabeqrajt [θavəqrazθ]	Tabaqit [θavaqiθ]
Aqbuc [aqvoʃ]	Tasenduqt [θasənduqθ]	Tayellayt [θaɤəʃʃajθ]	Tasebbalt [θasəɸbalt]	⊘ Təʃeffayt [θa əffajθ]	Tabeqsit [θavəqsiθ]
Abəttac [avəttaf]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəʃʃajθ]	Tasebbalt [θasəɸbalt]	⊘ Tabeqrajt [θabəqrazθ]	Tarehhalit [θarəhhalith]
Aqbuc [aqvoʃ]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəʃʃajθ]	Tasebbalt [θasəɸbalt]	⊘ Təʃeffayt [θa əffajθ]	Tabaqit [θavaqiθ]
Abuqal [avuqal]	Tachiht [taʃhahθ]	Tayellayt [θaɤəʃʃajθ]	Tasebbalt [θasəɸbalt]	⊘ Təʃeffayt [θa əffajθ]	Taqessult [θaqəʃsult]
Ṭtas [ṭtas]	Chiha [ʃhiha]	Tayellayt [θaɤəʃʃajθ]	Acmux [aʃmux]	Abaqraj [abaqraz]	Təʃəfnat [θadʒəfnatts]
Aqbuc [aqboʃ]	Chiha [ʃhiha]	Tayellayt [θaɤəʃʃajθ]	Təʃəbrit [θatəvriθ]	⊘ Təʃeffayt [θa əffajθ]	Lğəfna [ldʒəfna]
Abəttac [avəttaf]	Tamechaht [θaməʃhahθ]	Tayellayt [θaɤəʃʃajθ]	Tasebbalt [θasəɸbalt]	Tabeqrajt [θabəqrazθ]	Tabaqit [θavaqiθ]

## Timerna 01

## Ammud

Aqbuc [aqvoʃ]	Tachiht [θaʃhihθ]	Tabrist [θaprisθ]	Tasebbalt [θasəbbalt]	?	Taşeffayt [θa əffajθ]	Taqedduht [θaqəd̪duhθ]
Taqbuct [θaqvoʃθ]	Tamechaht [θaməʃhahθ]	Tayellayt [θaɛəllajθ]	Tasebbalt [θasəbbalt]	Abarrad [abaʀrad]		Tabaqit [θavaqiθ]
Lmecreb [lməʀrəb]	Tamechaht [θaməʃhahθ]	Tayellayt [θaɛəllajθ]	Tidebrit [θidəvriθ]	?	Taşeffayt [θa əffajθ]	Tarehhalit [θarəh̪haliθ]
Lmecreb [lməʀrəb]	Tamechaht [θaməʃhahθ]	Tayellayt [θaɛəllajθ]	Tidebrit [θidəvriθ]	?	Taşeffayt [θa əffajθ]	Tarehhalit [θarəh̪haliθ]
T̪tas [t̪tas]	Tamechaht [θaməʃhahθ]	Tayellayt [θaɛəllajθ]	Tadebrit [θadəvriθ]	?	Taşeffayt [θa əffajθ]	Taqeddact [θaqəd̪daʃθ]
Lmecreb [lməʀrəb]	Tamechaht [θaməʃhahθ]	Tayellayt [θaɛəllajθ]	Tadebrit [θadəvriθ]	?	Taşeffayt [θa əffajθ]	Tarehhalit [θarəh̪haliθ]
Aqbuc [aqvoʃ]	Tachiht [θaʃhihθ]	Tayellayt [θaɛəllajθ]	Tasebbalt [θasəbbalt]	?	Taşeffayt [θa əffajθ]	Tabaqect [θavaqəʃθ]
T̪tas [t̪tas]	∅	Tayellayt [θaɛəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]		Taqessult [θaqəʃsult]
Aqbuc [aqvoʃ]	Tajhiht [θaʒhihθ]	Tayellayt [θaɛəllajθ]	Tasebbalt [θasəbbalt]	Abeqraj [avəqraz]		Tabaqit [θavaqiθ]
Lkas [lkas]	Tachiht [θaʃhihθ]	Tayellayt [θaɛəllajθ]	Tasebbalt [θasəbbalt]	Tabriqt [θavriqθ]		Tabaqit [θavaqiθ]
Taqluct [θaqluʃθ]	Tachiht	Tayellayt	Tasebbalt	Taşeffayt [θa əffajθ]		Tabaqit [θavaqiθ]

## Timerna 01

## Ammud

	[θaqluθ]	[θaɤəllajθ]	[θasəbbalt]		
Tabuqalt [θavuqalt]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	⌘	Taqedduht [θaɤədduħθ]
Abuqal [avuqal]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	Tabriqt [θavriqθ]	Tabaqit [θavaqiθ]
Aqluc [aqluʃ]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Lbila [lvila]	⌘	Tabaqit [θavaqiθ]
Aqbuc [aqvoʃ]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Tabaqit [θavaqiθ]
Aqbuc [aqvoʃ]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Tabaqit [θavaqiθ]
Aqbuc [aqvoʃ]	Chiha [ʃhiha]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Taqessult [θaɤəssult]
Aqbuc [aqvoʃ]	Tajhiht [θaʒhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Tabeqsit [θavəqsiθ]
Ṭtas [ṭtas]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Lğefna tameçtuht [lɣəfna θaməʃtuħθ]
Abettac [avətṭaʃ]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	Tabeqract [θavəqraʃθ]	Tabeqsit [θavəqsiθ]
Ṭtas [ṭtas]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Tabaqit [θavaqiθ]

## Timerna 01

## Ammud

Ttas [t̥tas]	Tachiht [θaʃhihθ]	Tayellayt [θaɛɛllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Tabaqit [θavaqiθ]
Aqbuc [aqvoʃ]	Tajhiht [θaʒhihθ]	Tayellayt [θaɛɛllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Lğefna tameçtuht [ldʒəfna θaməʃtuħθ]
Abettac [avəttaj]	Tajhiht [θaʒhihθ]	Tayellayt [θaɛɛllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Tabaqit [θavaqiθ]
Aqbuc [aqvoʃ]	Tachiht [θaʃhihθ]	Tayellayt [θaɛɛllajθ]	Tasebbalt [θasəbbalt]	Tatirmust [θatirmusθ]	Tabeqsit [θavəqsiθ]
Aqbuc [aqvoʃ]	Tachiht [θaʃhihθ]	Tayellayt [θaɛɛllajθ]	Tasebbalt [θasəbbalt]	Tatirmut [θatirmusθ]	Tabeqsit [θavəqsiθ]
Tahellabt [θaħəllavθ]	Tachiht [θaʃhihθ]	Tayellayt [θaɛɛllajθ]	Tasebbalt [θasəbbalt]	Təʃeffayt [θa ɛffajθ]	Tabaqit [θavaqiθ]
Abuqal [avuqal]	Tachiht [θaʃhihθ]	Tayellayt [θaɛɛllajθ]	Tasebbalt [θasəbbalt]	Abuqal [avuqal]	Tarbut [θarvuθ]
T̥tas [t̥tas]	Tameçəht [θaməʃhahθ]	Tayellayt [θaɛɛllajθ]	Acmux [aʃmux]	Şeffaya [ ɛffaja]	Tarehhalit [θarəh̄haliθ]
T̥tas [t̥tas]	Tameçəht [θaməʃhahθ]	Tayellayt [θaɛɛllajθ]	Acmux [aʃmux]	Şeffaya [ ɛffaja]	Tarehhalit [θarəh̄haliθ]
Aqbuc [aqvoʃ]	Tachiht [θaʃhihθ]	Tayellayt [θaɛɛllajθ]	Tasebbalt [θasəbbalt]	Tabriqt [θavriqθ]	Taqessult [θaqəssult]
T̥tas [t̥tas]	Çiħa [ʃhiħa]	Tayellayt	Tasebbalt	Tabeqrajt [θavəqrazθ]	Tabaqit [θavaqiθ]

## Timerna 01

## Ammud

		[θaɤəllajθ]	[θasəbbalt]		
Afenjal [afənzal]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	?	Tabaqit [θavaqiθ]
Aqbuc [aqvoʃ]	Tameçah̄t [θaməʃhah̄θ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	Tabriqt [θavriqθ]	Taqessult [θaqəssult]
Abettac [avəttaj]	Chiha [ʃhiha]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	?	Tabaqit [θavaqiθ]
Abettac [avəttaj]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θabəqrazθ]	Taqessult [θaqəssult]
Taqbuct [θaqvoθ]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	?	Taqessult [θaqəssult]
Ttas [ttas]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Tabeqsit [θavəqsiθ]
Tabuqalt [θavuqalt]	Tajhiht [θaʒhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	?	Taqessult [θaqəssult]
Tabuqalt [θavuqalt]	Tajhiht [θaʒhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	?	Taqessult [θaqəssult]
Aqbuc [aqvoʃ]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θabəqrazθ]	Tabaqit [θavaqiθ]
Aqbuc [aqvoʃ]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θabəqrazθ]	Tabaqit [θavaqiθ]

## Timerna 01

## Ammud

Ttas [t̪tas]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Tabaqit [θavaqiθ]
Aqbuc [aqvof]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Taqedduht [θaqəd̪duhθ]
Abuqal [avuqal]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	ᵐ	Taqessult [θaqəssult]
Abuqal [avuqal]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	Abeqraj [avəqraz]	Tabaqit [θavaqiθ]
Abettac [avətt̪aʃ]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Tacmuxt [θaʃmuxθ]	Abarrad [abaʀrad]	Taqedduht [θaqəd̪duhθ]
Abettac [avətt̪aʃ]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θabəqrazθ]	Taqedduht [θaqəd̪duhθ]
Ttas [t̪tas]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Acmux [aʃmux]	ᵐ	Taqessult [θaqəssult]
Sdel [sdəl]	Tachiht [θaʃhihθ]	Taḥellayit [θaħllajit]	Acmux [aʃmux]	Abriq [avriq]	Tarbut [θarvuθ]
Abettac [avətt̪aʃ]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Tabeqsit [θavəqsiθ]
Taqluct [θaqluθ]	Tamechaht [θaməʃhaħθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	ᵐ	Tabaqit [θavaqiθ]
Aqbuc [aqvof]	Tachiht [θaʃhihθ]	Tayellayt	Tasebbalt	Tabeqrajt [θavəqrazθ]	Tareḥḥalit [θarəħḥaliθ]

## Timerna 01

## Ammud

		[θaɤəllajθ]	[θasəbbalt]		
Abuqal [avuqal]	Tachiht [θaʃhaθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqraθ]	Tibeqsit [θivəqsiθ]
T̄tas [t̄tas]	Chiha [ʃhiha]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Gesea [gəsfa]
T̄tas [t̄tas]	Chiha [ʃhiha]	Yellaya [ɤəllaja]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Gesea [gəsfa]
Tacabcaqt [θaʃavʃaqθ]	Tağhiht [θadʒhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	Abarrad [abaʀrad]	Taqessult [θaqəssult]
Tacabcaqt [θaʃavʃaqθ]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Tasebbalt [θasəbbalt]	Abarrad [abaʀrad]	Tabaqit [θavaqiθ]
Lmecreb [lməʃrəb]	Tamechaht [θaməʃhaθ]	Tayellayt [θaɤəllajθ]	Taḍebrit [θadəvriθ]	⊘	Tarehhalit [θarəhhalith]
Lmecreb [lməʃrəb]	Tamechaht [θaməʃhaθ]	Tayellayt [θaɤəllajθ]	Taḍebrit [θadəvriθ]	⊘	Tarehhalit [θarəhhalith]
Tabuqalt [θavuqalt]	Chiha [ʃhiha]	Tayellayt [θaɤəllajθ]	Tacmuxt [θaʃmuxθ]	Tabeqrajt [θabəqrazθ]	Taqessult [θaqəssult]
Aqbuc [aqvo]	Tachiht [θaʃhaθ]	Tayellayt [θaɤəllajθ]	Tacmuxt [aʃmux]	Abeqraj [abəqraz]	Tabaqect [θavaqəθ]
Abettac [avəttaj]	Tachiht [θaʃhihθ]	Tayellayt [θaɤəllajθ]	Tacmuxt [θaʃmuxθ]	Abaqraj [abaqraz]	Taqessult [θaqəssult]

## Timerna 01

## Ammud

Abettac [avɛtta]	Tachiht [θaʃhihθ]	Tayellayt [θaɛɛllajθ]	Tacmuxt [θaʃmuxθ]	Abaqraj [abaqraz]	Tajefniwt [θazɛfniwθ]
Taqluct [θaqluθ]	Jhiha [zhiha]	Tayellayt [θaɛɛllajθ]	Tasebbalt [θasɛbbalt]	?	Tabaqit [θavaqiθ]
Sdel [sdɛl]	Tachiht [θaʃhihθ]	Tayellayt [θaɛɛllajθ]	Tasebbalt [θasɛbbalt]	Abriq [avriq]	Taqessult [θaqɛssult]
Abuqal [avuqal]	Tachiht [θaʃhihθ]	Tayellayt [θaɛɛllajθ]	Tasebbalt [θasɛbbalt]	Tabeqrajt [θabɛqrazθ]	Tarehhalit [θarɛhhalith]
Afenjal [afɛnzal]	Tachiht [θaʃhihθ]	Tayellayt [θaɛɛllajθ]	Tacmuxt [θaʃmuxθ]	?	Taqedduht [θaqɛdduht]
Acabcaq [aʃavʃaq]	Tachiht [θaʃhihθ]	Tayellayt [θaɛɛllajθ]	Tacmuxt [θaʃmuxθ]	Tabarradit [θabaʃradiθ]	Tarbut [θarvuθ]
Tabuqalt [θavuqalt]	Tachiht [θaʃhihθ]	Tayellayt [θaɛɛllajθ]	Lvila [lvila]	?	Tarvuyt [θarvujθ]
Ttas [ttas]	Tachiht [θaʃhihθ]	Tayellayt [θaɛɛllajθ]	Tibilewt [θivilɛwθ]	Tabeqrajt [θavɛqrazθ]	Lɛefna tamectuht [ldzɛfna θamɛftuht]
Ttas [ttas]	Tachiht [θaʃhahθ]	Tayellayt [θaɛɛllajθ]	Tasebbalt [θasɛbbalt]	Tabeqrajt [θavɛqrazθ]	Taqedduht [θaqɛdduht]
Abuqal [avuqal]	Tachiht [θaʃhihθ]	Tayellayt [θaɛɛllajθ]	Tasebbalt [θasɛbbalt]	Abriq [avriq]	Tabaqit [θavaqiθ]
Ttas [ttas]	Tachiht [θaʃhihθ]	Tayellayt	Tasebbalt	Tabeqrajt [θavɛqrazθ]	Tabaqit [θavaqiθ]

Timerna 01

Ammud

		[θaxəllajθ]	[θasəbbalt]		
Aqbuc [aɣvof]	Tachiht [θaʃhihθ]	Tayellayt [θaxəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Aḍebsi [aḍəvsi]
Ttas [ttas]	Tachiht [θaʃhihθ]	Tayellayt [θaxəllajθ]	Tasebbalt [θasəbbalt]	Tabeqrajt [θavəqrazθ]	Tajefniwt [θazəfniwθ]
Abuqal [avuqal]	Tachiht [θaʃhihθ]	Tayellayt [θaxəllajθ]	Tasebbalt [θasəbbalt]	Tabriqt [θavriqθ]	Taqedduht [θaqəḍḍuhθ]
Ttas [ttas]	Tachiht [θaʃhihθ]	Tayellayt [θaxəllajθ]	Tacmuxt [θaʃmuxθ]	Tabriqt [θavriqθ]	Tarbut [θarvuθ]

<b>Nnafex</b>	<b>Tabaqit n lhamu</b>	<b>Taxsajt</b>	<b>Lḡefna</b>	<b>Akufi</b>
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxsajt [θaxsajθ]	Lḡefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxcact [θaxʃaθ]	Lḡefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxcact [θaxʃaθ]	Lḡefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxcact [θaxʃaθ]	Lḡefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Taxcact [θaxʃaθ]	Lḡefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Taxcact [θaxʃaθ]	Lḡefna [ld̄zəfna]	Akufi [axufi]

## Timerna 01

## Ammud

Nnafəx [n̄nafəx]	Tabaqect [θavaqəθ]	Taxcact [θaxʃaθ]	Tabaqit [θavaqiθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqect [θavaqəθ]	Taxcact [θaxʃaθ]	Tabaqect [θavaqəθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit n l̄hamu [θavaqiθ l̄hamu]	Taxcact [θaxʃaθ]	Tabaqit [θavaqiθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Taqessult [θaqəss̄sult]	Taxcact [θaxʃaθ]	Tabaqect n leftil [θavaqiθ ləfθil]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqect [θavaqəθ]	Taxcact [θaxʃaθ]	Tabaqit [θavaqiθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit n l̄hamu [θavaqiθ l̄hamu]	Taxcact [θaxʃaθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit n l̄hamu [θavaqiθ l̄hamu]	Taxcact [θaxʃaθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit n l̄hamu [θavaqiθ l̄hamu]	Taxcact [θaxʃaθ]	Tabaqit [θavaqiθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxcact [θaxʃaθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tareh̄halit [θarəh̄haliθ]	Taqcact [θaqʃaθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Tabequijt [θavəqluzθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Taxcact [θaxʃaθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Tabequiluct [θavəqluθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Taqruuct [θaqr̄uθ]	Ljefna [lzəfna]	Akufi [axufi]

## Timerna 01

## Ammud

Nnafəx [n̄nafəx]	Tarbuyt [θarvujθ]	Taxsajt [θaxsajθ]	Taziwwa [θaziɓba]	Akufi [akufi]
Nnafəx [n̄nafəx]	Tarbuyt [θarvujθ]	Tabeqyuct [θavəqjuθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Tabeqrujt [θavəqruzt]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tareh̄halit [θarəh̄haliθ]	Taxcact [θaxʃaθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbuyt [θarvujθ]	Tabeqluct [θavəqluθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbuyt [θarvujθ]	Tabeqluct [θavəqluθ]	Taziwwa [θaziɓba]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxcact [θaxʃaθ]	Tabaqit [θavaqiθ]	Akufi [axufi]
Nnafəx [aʃquf]	Tabaqit [θavaqiθ]	Taxsajt [θaxsajθ]	Tabaqit [θavaqiθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Taxsajt [θaxsajθ]	Tarbut [θarvuθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tafedraqt [θafəðraqθ]	Taxsajt n usendu [θaxsajθ usəndu]	Tarbut tameqqrant[θarvuθ θaməq̄q̄rant]	Akufi [axufi]
Lkanun [lkanun]	Tarbut [θarvuθ]	Taqruct [θaqruθ]	Tarbut [θarvuθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Taqruct [θaqruθ]	Tarbut [θarvuθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Taqruct [θaqruθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Taqruct [θaqruθ]	Ljefna [lʒəfna]	Akufi [axufi]
Lkanun [lkanun]	Tarbut [θarvuθ]	Taqruct [θaqruθ]	Ljefna [lʒəfna]	Akufi [axufi]

Timerna 01

Ammud

Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taqruct [θaqrufθ]	Ljefna [lʒəfna]	Akufi [aχufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxcact [θaxʃafθ]	Lğefna [ld̄zəfna]	Akufi [aχufi]
Nnafəx [n̄nafəx]	Taqessult [θaqəssult]	Taxcact [θaxʃafθ]	Lğefna [ld̄zəfna]	Akufi [aχufi]
Nnafəx [n̄nafəx]	Tabaqit n lhamu [θavaqiθ lhamu]	Taxcact [θaxʃafθ]	Lğefna [ld̄zəfna]	Akufi [aχufi]
Nnafəx [n̄nafəx]	Tabaqit n lhamu [θavaqiθ lhamu]	Tabeqlujt [θavəqluzθ]	Lğefna [ld̄zəfna]	Akufi [aχufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxcact [θaxʃafθ]	Lğefna [ld̄zəfna]	Akufi [aχufi]
Nnafəx [n̄nafəx]	Tameh̄hayt [θaməh̄hajθ]	Taxcact [θaxʃafθ]	Tabaqit [θavaqiθ]	Akufi [aχufi]
Nnafəx [n̄nafəx]	∅	Taxcact [θaxʃafθ]	Lğefna [ld̄zəfna]	Akufi [aχufi]
Nnafəx [n̄nafəx]	Taqessult n lhamu [θaqəssultlhamu]	Taxcact [θaxʃafθ]	Lğefna [ld̄zəfna]	Akufi [aχufi]
Nnafəx [n̄nafəx θməθ]	Tabaqit [θavaqiθ]	Taqililuct [θaqililuft]	Lğefna [ld̄zəfna]	Akufi [aχufi]
Nnafəx [n̄nafəx θməθ]	Tabaqit [θavaqiθ]	Taqililuct [θaqililuft]	Lğefna [ld̄zəfna]	Akufi [aχufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Taxcact [θaxʃafθ]	Tabaqit [θavaqiθ]	Akufi [aχufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Agdur [aχd̄ur]	Lğefna [ld̄zəfna]	Akufi [aχufi]

Timerna 01

Ammud

Nnafəx [n̄nafəx]	Tarbuyt [θarvujθ]	Taxcact [θaxʃafθ]	Tabaqit [θavaqiθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxsajt [θaxsajθ]	Tabaqit [θavaqiθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Taqedduht [θaqəd̄duh̄θ]	Taxcact [θaxʃafθ]	Tareh̄halit [θarəh̄haliθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut [θarbuθ]	Bugal [Bugal]	Lğefna [ld̄zəfna]	Akufi [akufi]
Nnafəx [n̄nafəx]	Lğefna tameçtuht [ld̄zəfna θaməʃtuht]	Taxcact [θaxʃafθ]	Lğefna tameqqrant [ld̄zəfna θaməq̄qrant]	Akufi [axufi]
Nnafəx [n̄nafəx]	Lğefna [ld̄zəfna]	Taxcact [θaxʃafθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxsajt [θaxsajθ]	Tabaqit [θavaqiθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabiduht n lhamu [θaviðuh̄θlhamu]	Taxsajt [θaxsajθ]	Tabaqit [θavaqiθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabiduht n lhamu[θaviðuh̄θ lhamu]	Taxsajt [θaxsajθ]	Tabaqit [θavaqiθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxsajt [θaxsajθ]	Tabaqit [θavaqiθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxsajt [θaxsajθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxcact [θaxʃafθ]	Tareh̄halit [θarəh̄haliθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbuyt [θarvujθ]	Taxcact [θaxʃafθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Taxsajt [θaxsajθ]	Tarbut [θarvuθ]	Akufi [axufi]

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Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxsayt [θaxsajθ]	Tarbut [θarvuθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxsayt [θaxsajθ]	Tabaqit [θavaqiθ]	Akufi [axufi]
Acquf n yirij [aʃquf ḡgiriz]	Tarbut [θarvuθ]	Tabeqyujt [θavəqjuzθ]	Tarbut [θarvuθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Tasendut [θasənduθ]	Tarbut [θarvuθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Tabeqlujt [θavəqluzθ]	Tarbut [θarvuθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxcact [θaxʃaθ]	Tabaqit [θavaqiθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxcact [θaxʃaθ]	Tabaqit [θavaqiθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxcact [θaxʃaθ]	Tabaqit [θavaqiθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Taxcact [θaxʃaθ]	Tabaqit [θavaqiθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbuyt [θarvujθ]	Taxcact [θaxʃaθ]	Lğefna [lḡzəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabeqsit [θavəqsiθ]	Taxcact [θaxʃaθ]	Lğefna [lḡzəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxcact [θaxʃaθ]	Tabaqit [θavaqiθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxcact [θaxʃaθ]	Tabaqit [θavaqiθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit n lḡamu [θavaqiθ lḡamu]	Taxcact [θaxʃaθ]	Lğefna [lḡzəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Taxcact [θaxʃaθ]	Tabaqit [θavaqiθ]	Akufi [axufi]

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## Ammud

Nnafəx [n̄nafəx]	Tabaqit n l̄hamu [θavaqiθ l̄hamu]	Taxcact [θaxʃaθ]	Tabaqit [θavaqiθ]	Afufi [afufi]
Nnafəx [n̄nafəx]	Tabaqit n l̄hamu [θavaqiθ l̄hamu]	Taxcact [θaxʃaθ]	Tabaqit [θavaqiθ]	Afufi [afufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxcact [θaxʃaθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit fedraq [θavaqiθ fəðraq]	Taxcact [θaxʃaθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabiduht [θaviðuħθ]	Taħellabt [θaħəllavθ]	Lğefna [ld̄zəfna]	Akufi [akufi]
Nnafəx [n̄nafəx]	Tabiduht [θaviðuħθ]	Taħellabt [θaħəllavθ]	Lğefna [ld̄zəfna]	Akufi [akufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxcact [θaxʃaθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit n l̄hamu [θavaqiθ l̄hamu]	Taxcact [θaxʃaθ]	Tabaqit [θavaqiθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxsajt [θaxsajθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxcact [θaxʃaθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Asendu [asəndu]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	∅	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Tasendayt [θasəndajθ]	Taziwwa [θaziɓba]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabeqsit [θavəqsiθ]	Taxcact [θaxʃaθ]	Ljefna [ljəfna]	Akufi [axufi]

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Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Tabeqyujt [θavəqjuzθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Tabeqyujt [θavəqjuzθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Taqedduht [θaqəḏduhθ]	Taxsajt [θaxsajθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxsajt [θaxsajθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Tabeqlujt [θavəqluzθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Lkanun [lkanun]	Tarbut [θarvuθ]	Tabeqlujt [θavəqluzθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Taqessult [θaqəṣṣult]	Taxcact [θaxʃaθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Taxcact [θaxʃaθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxcact [θaxʃaθ]	Tabaqit n seksu [θavaqiθ nsəχsu]	Akufi [axufi]
Nnafəx [n̄nafəx]	Taqessult [θaqəṣṣult]	Taxcact n uqellal [θaxʃaθ uqəllal]	Tabaqit [θavaqiθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Taqessult [θaqəṣṣult]	Taxsajt [θaxsajθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut n lhamu [θarvuθ lhamu]	Taxsajt [θaxsajθ]	Tarbut [θarvuθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabeqsit [θavəqsiθ]	Taxcact [θaxʃaθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit n lhamu [θavaqiθ lhamu]	Taxcact [θaxʃaθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit fedraq [θavaqiθ]	Taxcact [θaxʃaθ]	Tabaqit [θavaqiθ]	Akufi [axufi]

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## Ammud

	fəðraq]			
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Taxcact [θaxʃaθ]	Tabaqit [θavaqiθ]	Akufi [aχufi]
Nnafəx [n̄nafəx]	Gesəa n l̄hamu [gəsfa nəl̄hamu]	Gareə [garfa]	Ĝefna [d̄zəfna]	Akufi [aχufi]
Nnafəx [n̄nafəx]	Gesəa [gəsfa]	Gareə [garfa]	Ĝefna [d̄zəfna]	Akufi [aχufi]
lmejmar [lməzmar]	Tabaqit [θavaqiθ]	Taxsajt [θaxsajθ]	Tanawalt [θanawalt]	Akufi [aχufi]
Lkanun [lkanun]	Tabaqit [θavaqiθ]	Taxcact [θaxʃaθ]	Tabaqit [θavaqiθ]	Akufi [aχufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taḥellabt n usendu [θaḥəl̄lavθ usəndu]	Tabaqit [θavaqiθ]	Akufi [aχufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taḥellabt n usendu [θaḥəl̄lavθ usəndu]	Tabaqit [θavaqiθ]	Akufi [aχufi]
Lkanun [lkanun]	Tarbut [θarvuθ]	Taqruct [θaqruθ]	Ljefna [lʒəfna]	Akufi [aχufi]
Nnafəx [n̄nafəx]	Tabaqect [θavaqəθ]	Taxcact [θaxʃaθ]	Taziwwa [θaziw̄wa]	Akufi [aχufi]
Nnafəx [n̄nafax]	Taqessult [θaqəssult]	Taxsajt [θaxsajθ]	Lğefna [ld̄zəfna]	Akufi [aχufi]
Nnafəx [n̄nafax]	Taqessult [θaqəssult]	Taxsajt [θaxsajθ]	Lğefna [ld̄zəfna]	Akufi [aχufi]
Acquf [aʃquf]	Tarbut [θarvuθ]	Taxsajt [θaxsajθ]	Tabaqit [θavaqiθ]	Akufi [aχufi]
Lkanun [lkanun]	Tabaqit [θavaqiθ]	Taxsajt [θaxsajθ]	Tarbut [θarvuθ]	Akufi [aχufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Tabeqluct [θavəqluθ]	Taziba [θaziba]	Akufi [aχufi]

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Ammud

Nnafəx [n̄nafəx]	Taqedduht [θaqəḏduhθ]	Taxsayt [θaxsajθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxcact [θaxʃaθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbuyt [θarvujθ]	Taxsayt [θaxsajθ]	Tarbuyt [θarvujθ]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Taxcact [θaxʃaθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [nnafəx]	Tarbut [θarvuθ]	Taxsayt [θaxsajθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Tabeqluct [θavəqluθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxsayt [θaxsajθ]	Ġefna [d̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Taxsayt [θaxsajθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tabaqit [θavaqiθ]	Taxcact [θaxʃaθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbuyt [θarvujθ]	Taxcact [θaxʃaθ]	Lğefna [ld̄zəfna]	Akufi [axufi]
Nnafəx [n̄nafəx]	Tarbut [θarvuθ]	Taxcact [θaxʃaθ]	Lğefna [ld̄zəfna]	Akufi [axufi]

<b>Acmux</b>	<b>Acquf</b>	<b>Abuseqqi</b>	<b>Takufit</b>	<b>Acbayli</b>
Acmux [afmux]	Nnafex [n̄nafəx]	Abuyeddu [avujəḏdu]	Takufit [θaxufiʃts]	Acbaylu [afvajlu]
Acmux [afmux]	Nnafex [n̄nafəx]	Abuseqqi [avusəḏqi]	Takufit [θaxufiθ]	Lqaleb [lqaləv]

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## Ammud

Acmux [aʃmux]	Nnafex n lebxur [n̄nafəx nləvxur]	Abuseqqi [avusəq̄qi]	Takufit [ʃtsaxufiθ]	Acbayli [aʃvajli]
Acmux [aʃmux]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [ʃtsaxufiθ]	Laqşed [laq əd]
Asagem [asaʁəm]	Acquf [aʃquf]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Laqşed [laq əd]
Asagem [asaʁəm]	Acquf [aʃquf]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbayli [aʃvajli]
Acmux [aʃmux]	Nnafex [n̄nafəx]	∅	Takufit [θaxufiθ]	Acbali [aʃvali]
Acmux [aʃmux]	Acquf [aʃquf]	∅	Takufit [θaxufiθ]	Acbaylu [aʃvajlu]
Acmux [aʃmux]	Nnafex [n̄nafəx]	∅	Takufit [θaxufiθ]	Ticebrit [θiʃəvriθ]
Acmux [aʃmux]	Nnafex [n̄nafəx]	Abuyeddu [avujəd̄du]	Takufit [θaxufiθ]	Taqluct n zziit [θaqluθ] nəzziθ
Acmux [aʃmux]	Nnafex [n̄nafəx]	Abuddu [avud̄du]	Takufit [θaxufiθ]	Acbayli [aʃvajli]
Acmux [aʃmux]	Nnafex [n̄nafəx]	Abuddu [avud̄du]	Takufit [θakufiθ]	Acbayli [aʃvajli]
Asagem [asaʁəm]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Ajbayli [aʃvajli]
Asagem [asaʁəm]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbayli [aʃvajli]
Tacmuxt [θaʃmuxθ]	Nnafex [n̄nafəx]	Aqbuc n useqqi [aʁvoʃusəq̄qi]	Takufit [θaxufiθ]	Tacebrit [θaʃəvriθ]
Acmux [aʃmux]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Laqşed [laq əd]
Tasagemt [θasaʁəmθ]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbali [aʃvali]

## Timerna 01

## Ammud

Tasagemt [θasaɾəmθ]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufitts]	Acbali [afvali]
Asagem [asaɾəm]	Nnafex n lebxur [n̄nafəx n̄ləvxur]	Abuseqqi [avusəq̄qi]	Takufit [θakufiθ]	Acbayli [afvajli]
Acmux [afmux]	Acquf [afquf]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbayli [afvajli]
Tacmuxt [θafmuxθ]	Acquf [afquf]	Abuqay n useqqi [avuqaj usəq̄qi]	Takufit [θakufiθ]	Acbayi [afvaji]
Asagem [asaɾəm]	Nnafex n lebxur [n̄nafəx n̄ləvxur]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbayli [afvajli]
Acmux [afmux]	Nnafex [n̄nafəx]	∅	Takufit [θaxufiθ]	Laqşed [laq əd]
Asagem [asaɾəm]	Nnafex [n̄nafəx]	∅	Takufit [θaxufiθ]	Laqşed [laq əd]
Acmux [afmux]	Nnafex n lebxur [n̄nafəx n̄ləvxur]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbayli [afvajli]
Asagem [asaɾəm]	Nnafex n lebxur [n̄nafəx n̄ləvxur]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbayli [afvajli]
Asagem [asaɾəm]	∅	∅	Takufit [θaxufiθ]	Acbayli [afvajli]
Taqlilt [θaqlilt]	Nnafex [n̄nafəx]	∅	Takufit [θaxufitts]	Acbali [afvali]
Asagem [asaɾəm]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbayli [afvajli]
Asagem [asaɾəm]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbaylu [afvajlu]

## Timerna 01

## Ammud

Acmux [aʃmux]	Acquf [aʃquf]	Abuyeddu [avujəðdu]	Takufit [θaxufiθ]	Acbayli [aʃvajli]
Acmux [aʃmux]	Acquf [aʃquf]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbayli [aʃvajli]
Acmux [aʃmux]	Acquf [aʃquf]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbayi [aʃvaji]
Acmux [aʃmux]	Acquf [aʃquf]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbayli [aʃvajli]
Lqella [lqəlla]	Acquf [aʃquf]	Abuqal n useqqi [avuqal usəq̄qi]	Takufit [θaxufiθ]	Acbali [aʃvali]
Acmux [aʃmux]	Acquf [aʃquf]	Abuseqqi [avusəq̄qi]	Takufit [θakufiθ]	Acbayi [aʃvaji]
Acmux [aʃmux]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Taqellalt [θaqəllalt]
Acmux [aʃmux]	Nnafex n lebxur [n̄nafəx nləvxur]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Tasebbalt n zzit [θasəbbalt nəzziθ]
Asagem [asaɾəm]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Laqşed [laq əð]
Asagem [asaɾəm]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Laqşed [laq əð]
Acmux [aʃmux]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Laqşed [laq əð]
Acmux [aʃmux]	Acquf [aʃquf]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbalu [aʃvalu]
Acmux [aʃmux]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Laqşed [laq əð]
Tacmuxt [θaʃmuxθ]	Nnafex [n̄nafəx]	Abuyeddu [avujəðdu]	Takufit [θaxufiʃts]	Acbaylu [aʃvajlu]
Acmux [aʃmux]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Laqşed [laq əð]

## Timerna 01

## Ammud

Asagem [asaɾəm]	Acquf [aʃquf]	Abuyeddu [avujəɖdu]	Takufit [θaχufiθ]	Acbayli [afvajli]
Acmux [aʃmux]	Nnafex [ɲɲafəx]	Abuseqqi [avusəq̣qi]	Takufit [θaχufiʃts]	Acbaylu [afvajlu]
Acmux [aʃmux]	Nnafex [ɲɲafəx]	Abuyeddu [avujəɖdu]	Takufit [θaχufiθ]	Acbaylu [afvajlu]
Acmux [aʃmux]	Acquf [aʃquf]	Abuseqqi [avusəq̣qi]	Takufit [θaχufiθ]	∅
Acmux [aʃmux]	Nnafex [ɲɲafəx]	Abiduh [aviðuh]	Takufit [θaχufiʃts]	Acbayli [afvajli]
Acmux [aʃmux]	Acquf [aʃquf]	Abuyeddu [avujəɖdu]	Takufit [θakufiθ]	Cebriya [ʃəbrija]
Acmux [aʃmux]	Nnafex [ɲɲafəx]	Abuyeddu [avujəɖdu]	Takufit [θaχufiθ]	Laqşed [laq əd]
Asagem [asaɾəm]	Nnafex [ɲɲafəx]	Tamarmit n useqqi [θamarmit uʃsəqi]	Takufit [θaχufiʃts]	Tacebrit [θafəvriθ]
Asagem [asaɾəm]	Nnafex [ɲɲafəx]	Abuyeddu [avujəɖdu]	Takufit [θaχufiθ]	Acbayli [afvajli]
Acmux [aʃmux]	Nnafex [ɲɲafəx]	Abuddu [avuddu]	Takufit [θaχufiθ]	Acbaylu [afvajlu]
Acmux [aʃmux]	Nnafex [ɲɲafəx]	Abuddu [avuddu]	Takufit [θaχufiθ]	Acbaylu [afvajlu]
Acmux [aʃmux]	Nnafex [ɲɲafəx]	Asexxan [asəxxan]	Takufit [θaχufiθ]	Acbaylu [afvajlu]
Acmux [aʃmux]	Nnafex [ɲɲafəx]	Abiduh n useqqi [aviðuh usəq̣qi]	Takufit [θaχufiθ]	Acbaylu [afvajlu]
Acmux [aʃmux]	Nnafex [ɲɲafəx]	Abuyeddu [avujəɖdu]	Takufit [θaχufiθ]	Acbayli [afvajli]

## Timerna 01

## Ammud

Acmux [aʃmux]	Aceqquf [aʃəq̄quf]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbayli [aʃvajli]
Asagem [asaʀəm]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbayli [aʃvajli]
Asagem [asaʀəm]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbayli [aʃvajli]
Tabaqbaqt [θvaqvaqθ]	∅	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbayli [aʃvajli]
Asagem [asaʀəm]	Acquf [aʃquf]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Taxabit [θaxaviθ]
Asagem [asaʀəm]	Nnafex [n̄nafəx]	∅	Takufit [θaxufiθ]	Acbali [aʃvali]
Asagem [asaʀəm]	Nnafex [n̄nafəx]	∅	Takufit [θaxufiθ]	Acbayli [aʃvajli]
Asagem [asaʀəm]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Laqşed [laq əd]
Asagem [asaʀəm]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Laqşed [laq əd]
Acmux [aʃmux]	Aceqquf [aʃəq̄quf]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Laqşed [laq əd]
Acmux [aʃmux]	Aceqquf [aʃəq̄quf]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Laqşed [laq əd]
Acmux [aʃmux]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbalu [aʃvalu]
Abuqal [avuqal]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufitts]	Laqşed [laq əd]
Abuqal [avuqal]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Tacebrit [θaʃəvriθ]
Abuqal [avuqal]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Tacebrit [θaʃəvriθ]

Timerna 01

Ammud

Asagem [asaɾəm]	Acquf [aʃquf]	Abuddu [avud̥du]	Takufit [θaχufiθ]	Acbayli [aʃvajli]
Acmux [aʃmux]	Nnafex [n̥nafəx]	Abuseqqi [avusəq̥qi]	Takufit [θaχufitts]	Acbaylu [aʃvajlu]
Asagem [asaɾəm]	Nnafex [n̥nafəx]	Abuseqqi [avusəq̥qi]	Tafufit [θafufiθ]	Acbaylu [aʃvajlu]
Asagem [asaɾəm]	Nnafex [n̥nafəx]	Abuseqqi [avusəq̥qi]	Tafufit [θafufiθ]	Acbaylu [aʃvajlu]
Asagem [asaɾəm]	Nnafex [n̥nafəx]	Abuseqqit [avusəq̥qiθ]	Takufit [θaχufiθ]	Laqşed [laq əd̥]
Tasebbalt [θasəbbalt]	Nnafex [n̥nafəx]	∅	Takufit [θaχufiθ]	Acbali [aʃvali]
Tacmuxt [θaʃmuxθ]	Nnafex [n̥nafəx]	Abiduh n useqqi [aviðuh usəq̥qi]	Takufit [θakufiθ]	Ticebrit [θiʃəvriθ]
Tacmuxt [θaʃmuxθ]	Nnafex [n̥nafəx]	Abiduh n useqqi [aviðuh usəq̥qi]	Takufit [θakufiθ]	Ticebrit [θiʃəvriθ]
Acmux [aʃmux]	Nnafex [n̥nafəx]	Abuseqqi [avusəq̥qi]	Takufit [θaχufiθ]	Laqşed [laq əd̥]
Tacmuxt [θaʃmuxθ]	Nnafex [n̥nafəx]	Abuseqqi [avusəq̥qi]	Takufit [θaχufiθ]	Tacebrit [θaʃəvriθ]
Acmux [aʃmux]	Nnafex n ubexxar [n̥nafəx uvaχxər]	Abuseqqi [avusəq̥qi]	Takufit [θaχufiθ]	Laqşed [laq əd̥]
Acmux [aʃmux]	Nnafex [n̥nafəx]	Tabuseqqit [θavusəq̥qitts]	Takufit [θaχufitts]	Laqşed [laq əd̥]
Acmux [aʃmux]	Nnafex [n̥nafəx]	Abiduh n useqqi [aviðuh usəq̥qi]	Takufit [θaχufiθ]	Acbayli [aʃvajli]
Aqbuc n meatqa [aqvoʃ nəmʃaθqa]	Nnafex [n̥nafəx]	Aqbuc [aqvoʃ]	Takufit [θaχufitts]	Acbaylu [aʃvajlu]

## Timerna 01

## Ammud

Acmux [aʃmux]	Nnafex [n̄nafəx]	Abuddu [avuðdu]	Takufit [θaxufiθ]	Acbayli [afvajli]
Asagem [asaɾəm]	Nnafex [n̄nafəx]	Abuddu [avuðdu]	Takufit [θaxufiθ]	Laqşed [laq əd]
Acmux [aʃmux]	Acquf [aʃquf]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbali [afvali]
Acmux [aʃmux]	Acquf [aʃquf]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbali [afvali]
Tacmuxt [θaʃmuxθ]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Tacbaylit [θafvajliθ]
Acmux [aʃmux]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbaylu [afvajlu]
Tazeyyart [θazəj̄jarθ]	Nnafex [n̄nafəx]	∅	Takufit [θaxufitts]	Tacbaylut [θafvajlutt̄s]
Tasebbalt [θasəbbalt]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufitts]	Laqşed [laq əd]
Acmux [aʃmux]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Laqşed [laq əd]
Acmux [aʃmux]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufitts]	Acbaylu [afvajlu]
Tacmuxt [θaʃmuxθ]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Laqşed [laq əd]
Tacmuxt [θaʃmuxθ]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbaylu [afvajlu]
Acmux [aʃmux]	Nnafex [n̄nafəx]	Abuyeddu [avujəðdu]	Takufit [θaxufitts]	Acbayli [afvajli]
Tasebbalt [θasəbbalt]	Nnafex [n̄nafəx]	Abuyeddu [avujəðdu]	Takufit	Acbayli [afvajli]

## Timerna 01

## Ammud

			[θaxufitts]	
Abuqal [avuqal]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufitts]	Acbalu [afvalu]
Asagem [asaɾəm]	Ttbaxur [t̄tsvaxur]	Abuyeddu [avujəddu]	Takufit [θaxufiθ]	Laqşed [laq əd]
Asagem [asaɾəm]	Nnafex [n̄nafəx]	Abuyeddu [avujəddu]	Takufit [θaxufitts]	Laqşed [laq əd]
Asagem [asaɾəm]	Abexxar [avəxxar]	Lmarc [lmarʃ]	Takufit [θaxufitts]	Acebri [afəvri]
Acmux [afmux]	Nnafex [n̄nafəx]	Recac [rəʃa]	Takufit [θaxufitts]	Ḍebri [dəvri]
Acmux [afmux]	Nnafex [n̄nafəx]	Recac [rəʃa]	Takufit [θaxufitts]	Ḍebri [dəvri]
Asagem [asaɾəm]	Acquf [afquf]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbali [afvali]
Acmux [afmux]	Acquf [afquf]	Abuyeddu [avujəddu]	Takufit [θaxufiθ]	Acbaylu [afvajlu]
Acmux [afmux]	Nnafex [n̄nafəx]	Abuddu [abuḍdu]	Takufit [θaxufiθ]	Acbaylu [afvajlu]
Acmux [afmux]	Nnafex [n̄nafəx]	Abuddu [abuḍdu]	Takufit [θaxufiθ]	Acbaylu [afvajlu]
Lqella [lqəll̄a]	Acquf [afquf]	Abuqal n useqqi [avuqal usəq̄qi]	Takufit [θaxufiθ]	Acbali [afvali]
Tacmuxt [θafmuxθ]	Nnafex [n̄nafəx]	Tasilt [θasilt]	Takufit [θaxufiθ]	Acbaylu [afvajlu]
Taqbuct [θaqvoʃθ]	Nnafex [n̄nafəx]	Abiduh [aviḍuh]	Takufit	Aḥellab [aḥəllav]

## Timerna 01

## Ammud

			[θaxufitts]	
Taqbuct [θaqvoθ]	Nnafex [n̄nafəx]	Taqdirt [θaqðirθ]	Takufit [θaxufitts]	Ahellab [ahəllav]
Abuqal [avuqal]	Nnafex [n̄nafəx]	∅	Takufit [θaxufitts]	Acbali [afvali]
Taqlilt [θaqlilt]	Acquf [aʃquf]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Acbayli [afvajli]
Acmux [afmux]	Nnafex [n̄nafəx]	Ahellab [ahəllav]	Takufit [θaxufiθ]	Tacbayit [θafvajiθ]
Abuqal [avuqal]	Nnafex [n̄nafəx]	Lemrec [ləmrəʃ]	Takufit [θaxufitts]	Acbaylu [afvajlu]
Acmux [afmux]	Nnafex [n̄nafəx]	Tabuseqqit [θavusəq̄qiθ]	Takufit [θaxufitts]	Acbaylu [afvajlu]
Taqbuct [θaqvoθ]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Lfila [lfila]
Asagem [asaɾəm]	Nnafex [n̄nafəx]	Afarac [afaraʃ]	Takufit [θaxufiθ]	Laqşed [laq əd]
Asagem [asaɾəm]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufiθ]	Laqşed [laq əd]
Asagem [asaɾəm]	Nnafex [n̄nafəx]	∅	Takufit [θaxufiθ]	Laqşed [laq əd]
Asagem [asaɾəm]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufitts]	Acbayli [afvajli]
Asagem [asaɾəm]	Nnafex [n̄nafəx]	∅	Takufit [θaxufitts]	Acbaylu [afvajlu]

Timerna 01

Ammud

Tacmuxt [θaʃmuxθ]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufitts]	Laqsed [laq əd]
Acmux [aʃmux]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufitts]	Acbayli [afvajli]
Acmux [aʃmux]	Nnafex [n̄nafəx]	Abuseqqi [avusəq̄qi]	Takufit [θaxufitts]	Acbayli [afvajli]

Lmetred	Tabuqalt	Tajegrurt	Lemkub
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Tabaqit [θavaqiθ]	Lmenkub [lmənχub]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Taqessult [θaqəssult]	Amkebbi [amχəbbi]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Tabaqit n temtunt [θavaqiθ θəmθunt]	Lmayta [lmaɣta]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Tabaqit [θavaqiθ]	Lmayta [lmaɣta]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Taqedduht [θaqəd̄duhθ]	Ayummy [aɣum̄mu]
Aḍebsi n lḥenni [aḍəvsi nəlḥənni]	Tabuqalt [θavuqalt]	Taqedduht [θaqəd̄duhθ]	Ayummy [aɣum̄mu]
Aḍebsi n lḥenni [aḍəvsi nəlḥənni]	Tabuqalt [θavuqalt]	Tajegrurt [θazəgrurθ]	Ayummy [aɣum̄mu]
Aḍebsi n lḥenni [aḍəvsi nəlḥənni]	Taqbuct [θaqvoʃθ]	Tajegrurt [θazəgrurθ]	Ayummy [aɣum̄mu]

Timerna 01

Ammud

Aḍebsi n lḥenni [aḍəvsi nəlḥənni]	Tabuqalt [θavʊqalt]	Taqedduḥt [θaqəḍḍuhθ]	Ayummy [aʊum̄mu]
Tagdurt n lḥenni [θaɾdurθ nəlḥəni]	Tabuqalt [θavʊqalt]	Taḍebsit n temtunt [θəḍəvsiṯts ntəmθunt]	Ayummy [aʊum̄mu]
Lmetred [lməθrəḍ]	Tabuqalt [θavʊqalt]	Taqedduḥt [θaqəḍḍuhθ]	Ayummy [aʊum̄mu]
Taqessult n lḥenni [θaqəṣṣult lḥənni]	Tabuqalt [θavʊqalt]	Taqedduḥt [θaqəḍḍuhθ]	Ayummy [aʊum̄mu]
Lmetred [lməθrəḍ]	Tabuqalt [θavʊqalt]	Taqedduḥt [θaqəḍḍuhθ]	Amkebbu [amχəḅbu]
Lmetred [lməθrəḍ]	Tabuqalt [θavʊqalt]	Taqedduḥt n uyrum [θaqəḍḍuhθ b̄baɾrum]	Lmayṭa [lmaɾta]
Taqessult n lḥenni [θaqəṣṣult lḥənni]	Tabuqalt [θavʊqalt]	Taḍebsit [θaḍəvsiṯts]	Amkebbi [amχəḅbi]
Lmetred [lməθrəḍ]	Tabuqalt [θavʊqalt]	Taqessult [θaqəṣṣult]	Amkebbi [amχəḅbi]
Lmetred [lməθrəḍ]	Tabuqalt [θavʊqalt]	Tareḥḥalit [θarəḥḥaliθ]	Lemkub [ləmχub]
Lmetred [lməθrəḍ]	Abuqal [avʊqal]	Tareḥḥalit [θarəḥḥaliθ]	Lemkub [ləmχub]
Lmetred [lməθrəḍ]	Tabuqalt [θavʊqalt]	Taḍebsit n temtunt [θəḍəvsiṯts ntəmθunt]	Lemkub [ləmχub]
Aḍebsi n lḥenni [aḍəvsi nəlḥənni]	Tabuqalt [θavʊqalt]	Taqedduḥt [θaqəḍḍuhθ]	Layḍa [laɾḍa]
Taqessult n lḥenni [θaqəṣṣult lḥənni]	Tabuqayt [θavʊqajθ]	Aḍebsi [aḍəvsi]	Layḍa [laɾḍa]

## Timerna 01

## Ammud

Lmetred [lməθrəð]	Tabuqalt n lḥenni [θavuqalt nəlḥən̄ni]	Taqessult [θaqəʃsult]	Lemkub [ləmχub]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Lḡefna [ld̄ʒəfna]	Lemkeb [ləmχəb]
Aḍebsi n lḥenni [aḍəvsi nəlḥən̄ni]	Tabuqalt [θavuqalt]	Taqedduḥt [θaqəd̄duḥθ]	Tadimt [θaḍimθ]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Taḍebsit n temtunt [θəḍəvsiʃts ntəmθunt]	Lemkub [ləmχup]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Taḍebsit n temtunt [θəḍəvsiʃts ntəmθunt]	Lemkub [ləmχup]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Taqedduḥt [θaqəd̄duḥθ]	Tadimt [θaḍimθ]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	∅	Lyem [lɣəm]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Taqedduḥt [θaqəd̄duḥθ]	Ayummy [aɣum̄mu]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Taqedduḥt [θaqəd̄duḥθ]	Lemkeb [ləmχəb]
Aḍebsi n lḥenni [aḍəvsi nəlḥən̄ni]	Tabuqalt [θavuqalt]	Taqedduḥt [θaqəd̄duḥθ]	Lemkeb [ləmχəb]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Taqedduḥt [θaqəd̄duḥθ]	Ayummy [aɣum̄mu]
Lmetred [lməθrəð]	Tabuqayt [θavuqajθ]	∅	Tadimt [θaḍimθ]
Timetreṭ [θiməθrət]	Tabuqalt [θavuqalt]	Taqedduḥt [θaqəd̄duḥθ]	Ayummy [aɣum̄mu]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Tafexxart [θafəxxarθ]	Tadimt [θaḍimθ]

## Timerna 01

## Ammud

Lmetred [lməθrəð]	Tabuqayt [θavujəθ]	Tafexxart [θafəxxarθ]	Tadimt [θaðimθ]
Lmetred [lməθrəð]	Tabuqalt [θavujəlt]	Taḍebsit n temtunt [θəðəvsifits ntəmθunt]	Ayummy [aɣummu]
Taḍebsit n lhenni [θəðəvsifits nəlħənni]	Tabuqalt [θavujəlt]	Taqessult n temtunt [θaqəssult ntəmθunt]	Amkebbi [amχəbbi]
Lmetred [lməθrəð]	Tabuqalt [θavujəlt]	Taqedduht [θaqədɗuhθ]	Lemkub [ləmχub]
Lmetred [lməθrəð]	Tabuqalt [θavujəlt]	Taqedduht [θaqədɗuhθ]	Lmayta [lmaɣta]
Lmetred [lməθrəð]	Tabuqalt [θavujəlt]	∅	Lemkeb [ləmχəb]
Lmetred [lməθrəð]	Tabuqalt [θavujəlt]	∅	Ayummy [aɣummu]
Lmetred [lməθrəð]	Tabuqalt [θavujəlt]	Taqedduht [θaqədɗuhθ]	Lemkeb [ləmχəb]
Lmetred [lməθrəð]	Tabuqalt [θavujəlt]	Taqessult [θaqəssult]	Lemkub [ləmχub]
Aḍebsi n lhenni [aḍəvsi nəlħənni]	Tabuqalt n lhenni [θavujəlt nəlħənni]	∅	Ayummy n tayrifin [aɣummu ntayrifin]
Aḍebsi n lhenni [aḍəvsi nəlħənni]	Tabuqalt [θavujəlt]	∅	Ayummy [aɣummu]
Lmetred [lməθrəð]	Tabuqalt [θavujəlt]	∅	Asnegdam [asnəɗdam]
Tabaqit n lhenni [θavaqiθ lħənni]	Tabuqalt [θavujəlt]	∅	Ayummy n tayrifin [aɣummu ntayrifin]
Taqessult n	Tabuqalt [θavujəlt]	Taxemmart [θaxəmmarθ]	Lmayta [lmaɣta]

Timerna 01

Ammud

lhenni [θaqəssultlhənni]			
Aḍebsi n lhenni [aḍəvsi nəlhənni]	Tabuqalt [θavuqalt]	Taqedduḥt [θaqəd̥duhθ]	Ayummy [aɣum̩mu]
Aṭebsi n lhenni [aṭəbsi lhənni]	Tabuqalt [θabuqalt]	Tajegdurt [θazəg̊d̥urθ]	Tamyemt [θamɤəmθ]
Lmetred [lməθrəd̥]	Tabuqalt [θavuqalt]	∅	Asnegdam [asnəɣdam]
Aḍebsi n lhenni [aḍəvsi nəlhənni]	Tabuqalt [θavuqalt]	∅	Ayummy [aɣum̩mu]
Lmetred [lməθrəd̥]	Tabuqalt [θavuqalt]	∅	Ayummy [aɣum̩mu]
Taqessult m lmetred [θaqəssult mɛlməθrəd̥]	Tabuqalt [θavuqalt]	Tafarduḥt [θafarduḥθ]	Asnegdam [asnəɣdam]
Taqessult m lmetred [θaqəssult mɛlməθrəd̥]	Tabuqalt [θavuqalt]	Tafarduḥt [θafarduḥθ]	Asnegdam [asnəɣdam]
Taqessult n lhenni [θaqəssult lhənni]	Tabuqalt [θavuqalt]	Tagecrurt [θagəɣrurθ]	Asnegdam [asnəɣdam]
Taqessult n lhenni [θaqəssultlhənni]	Tabuqalt [θavuqalt]	Tajegrurt [θazəgrurθ]	Ayummy [aɣum̩mu]
Aḍebsi n lhenni [aḍəvsi nəlhənni]	Tabuqalt [θavuqalt]	Taqedduḥt [θaqəd̥duhθ]	Ayummy [aɣum̩mu]
Lmetred [lməθrəd̥]	Tabuqalt [θavuqalt]	∅	Lemyetta [ləmɤɛtta]
Lmetred [lməθrəd̥]	Tabuqalt [θavuqalt]	Taqedduḥt [θaqəd̥duhθ]	Ayummy [aɣum̩mu]
Lmetred [lməθrəd̥]	Tabuqalt [θavuqalt]	∅	Ayummy [aɣum̩mu]

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## Ammud

Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Tabaqit [θavaqiθ]	Lemkub [ləmχub]
Aḍebsi n uɛenqiq [aḍəvsi wɛnqiq]	Tabuqalt [θavuqalt]	Taqedduht [θaqəḍduhθ]	Lemkeb [ləmχəb]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	∅	Lemkeb [ləmχəb]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	∅	Lemkub [ləmχub]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Taqedduht [θaqəḍduhθ]	Amkebbi [amχəbbi]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Taqedduht [θaqəḍduhθ]	Amkebbi [amχəbbi]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Tabaqit [θavaqiθ]	Ayummy [ayummu]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Taqedduht [θaqəḍduhθ]	Ayummy [ayummu]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Taqarurt [θaqarurθ]	Amkebbi [amχəbbi]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Taqarurt [θaqarurθ]	Ayummy [ayummu]
Aḍebsi n lhenni [aḍəvsi nəlhənni]	Tabuqalt [θavuqalt]	Taqedduht [θaqəḍduhθ]	Ayummy [ayummu]
Aḍebsi n lhenni [aḍəvsi nəlhənni]	Tabuqalt [θavuqalt]	Taqedduht [θaqəḍduhθ]	Ayummy [ayummu]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	∅	Lmayta [lmaɣta]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	∅	Ayummy [ayummu]
Tbaq n lhenni [tvaq lhənni]	Tabuqalt [θavuqalt]	∅	Lmayta [lmaɣta]

Timerna 01

Ammud

Ṭbaq n ḷhenni [tvaq lhənni]	Tabuqalt [θavuqalt]	∅	Lmayṭa [lmaṣta]
Aḍebsi n ḷhenni [aḍəvsi nəlhənni]	Tabuqalt [θavuqalt]	Taqedduḥt [θaqəḍduhθ]	Lemkeb [ləmχəb]
Aḍebsi bu jaṛar [aḍəvsi vuzaɾar]	Tabuqalt [θavuqalt]	Taqelluεt [θaqəlluʃθ]	Lemkeb [ləmχəb]
Taqessult n ḷhenni [θaqəssultlhənni]	Tabuqalt [θavuqalt]	Taqessult [θaqəssult]	Alayḍiw [alawḍiw]
Taqessult n ḷhenni [θaqəssultlhənni]	Tabuqalt [θavuqalt]	Taqessult [θaqəssult]	Alayḍiw [alawḍiw]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Taqessult [θaqəssult]	Lemkeb [ləmχəb]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Taqarurt [θaqarurθ]	Amkubbu [amχubbu]
Taqessult n ḷhenni [θaqəssultlhənni]	Tabuqalt [θavuqalt]	Taqarurt [θaqarurθ]	Lemkeb [ləmχəb]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Taqessult [θaqəssult]	Lemkeb [ləmχəb]
Tabaqit n ḷhenni [θavaqiθ lhənni]	Tabuqalt [θavuqalt]	Tabaqit [θavaqiθ]	Asenkebbi [asənχəbbi]
Taqessult n ḷhenni [θaqəssultlhənni]	Tabuqalt [θavuqalt]	Tafarṛaḥt [θafarrahθ]	Alayḍiw [alawḍiw]
Aḍebsi n ḷhenni [aḍəvsi nəlhənni]	Tabuqalt [θavuqalt]	∅	Ayummy [awummu]
Aḍebsi n ḷhenni [aḍəvsi nəlhənni]	Tabuqalt [θavuqalt]	∅	Layḍa [lawḍa]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Taqedduḥt [θaqəḍduhθ]	Layḍa [lawḍa]

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Ammud

Lmetred [lməθrəð]	Tabuqalt [θavʊqalt]	Taqedduht [θaqəðduhθ]	Layda [laɣða]
Lmetred [lməθrəð]	Tabuqalt [θavʊqalt]	Taqedduht [θaqəðduhθ]	Lemkub [ləmχub]
Lmetred [lməθrəð]	Taqellalt n lʰenni[θaqəllalt nəlʰənɲi]	Taqedduht [θaqəðduhθ]	Lemkub [ləmχub]
Lmetred [lməθrəð]	Tabuqalt [θavʊqalt]	Tabeqsit [θavəqsiθ]	Ayummy [aɣumɲu]
Aðebsi n lʰenni [aðəvsi nəlʰənɲi]	Taqbuct n lʰenni [θaqvoʃθ nəlʰənɲi]	Tabeqsit [θavəqsiθ]	Ayummy [aɣumɲu]
Lmetred [lməθrəð]	Tabuqalt n lʰenni[θavʊqalt nəlʰənɲi]	Taqessult [θaqəssult]	Lemkub [ləmχub]
Lmetred [lməθrəð]	Tabuqalt [θavʊqalt]	Taqedduht [θaqəðduhθ]	Ayummy [aɣumɲu]
Aðebsi n lʰenni [aðəvsi nəlʰənɲi]	Tabuqalt n lʰenni[θavʊqalt nəlʰenni]	Taqedduht [θaqəðduhθ]	Lemkub [ləmχub]
Lmetred [lməθrəð]	Tabuqalt [θavʊqalt]	Taqedduht [θaqəðduhθ]	Lemkub [ləmχub]
Taqessult n lʰenni[θaqəssultlʰənɲi]	Tabuqalt [θavʊqalt]	Tajegrurt [θazəgrurθ]	Ayummy [aɣumɲu]
Lmetred [lməθrəð]	Tabuqalt [θavʊqalt]	Tajegrurt [θazəgrurθ]	Ayummy [aɣumɲu]
Lmetred [lməθrəð]	Tabuqalt [θavʊqalt]	Taqarurɥ [θaqarurθ]	Ayummy [aɣumɲu]
Lmetred [lməθrəð]	Tabuqalt [θavʊqalt]	Taqedduht [θaqəðduhθ]	Ayummy [aɣumɲu]

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## Ammud

Lmetred [lməθrəð]	Taqbuct [θaqvoʃθ]	Taqelluht [θaqəl̩uhθ]	Amkebbu [amχəbbu]
Aḍebsi n lḥenni [aḍəvsi nəlḥən̩ni]	Tabuqalt [θavuqalt]	Taqarurt [θaqarurθ]	Ameɣtiw [aməɣtiw]
Təbsi n lḥenna [təbsi lḥən̩na]	Tabuqalt [θavuqalt]	Mnibra [mnibra]	Layḍa [laɣḍa]
Təbsi n lḥenna [təbsi lḥən̩na]	Tabuqalt [θabuqalt]	∅	Layḍa [laɣḍa]
Aḍebsi n lḥenni [aḍəvsi nəlḥən̩ni]	Tabuqalt [θavuqalt]	Tabaqit [θavaqiθ]	Lɣem [lɣəm]
Aḍebsi n lḥenni [aḍəvsi nəlḥən̩ni]	Tabuqalt [θavuqalt]	Tabaqit [θavaqiθ]	Aɣummu [aɣum̩mu]
Taqessult n lḥenni [θaqəssultlḥən̩ni]	Tabuqalt [θavuqalt]	Taɣegrirt [θaɣəgrirθ]	Asnegdam [asnəɣdam]
Taqessult n lḥenni [θaqəssultlḥən̩ni]	Tabuqalt [θavuqalt]	Taɣegrirt [θaɣəgrirθ]	Asnegdam [asnəɣdam]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Tafexxart [θafəxxarθ]	Tadimt [θaɗimθ]
Tabaqect [θavaqəθ]	Tabuqalt [θavuqalt]	Tajegrirt [θaɣəgrirθ]	Layḍa [laɣḍa]
Taqessult n lḥenni [θaqəssultlḥən̩ni]	Tabuqalt [θavuqalt]	Taqessult [θaqəssult]	Asenkebbi [asənχəbbi]
Taqessult n lḥenni [θaqəssultlḥən̩ni]	Tabuqalt [θavuqalt]	Taqessult [θaqəssult]	Asenkub [asənχub]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	∅	Aɣummu [aɣum̩mu]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Taqedduht [θaqəd̩duhθ]	Aɣummut [aɣum̩muθ]

## Timerna 01

## Ammud

Lmetred [lməθrəð]	Abuqay [avuqaj]	Tarehhayit [θarəh̄hajiθ]	Ayummy [aʁum̄mu]
Aḍebsi n lḥenni [aḍəvsi nəlḥənni]	Tabuqalt [θavuqalt]	Tajegrurt [θazəgrurθ]	Ayummy [aʁum̄mu]
Taḍebsit n lḥenni [θaḍəvsitts nəlḥənni]	Tabuqalt [θavuqalt]	Tamejlubt n temtunt [θaməzluvθ təmθunt]	Lemkub [ləmχub]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	∅	Lemkeb [ləmχəb]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Taqedduht [θaqəḍduhθ]	Lemkeb [ləmχəb]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Tafewwart [θafəw̄warθ]	Ayummy [aʁum̄mu]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Taqedduht [θaqəḍduhθ]	Ayummy [aʁum̄mu]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Taqedduht [θaqəḍduhθ]	Ayummy [aʁum̄mu]
Aḍebsi n lḥenni [aḍəvsi nəlḥənni]	Tabuqalt [θavuqalt]	Taqedduht [θaqəḍduhθ]	Layḍa [laɣḍa]
Lmetred [lməθrəð]	Abuqal [avuqal]	Taqedduht [θaqəḍduhθ]	Lkumb [lkomp]
Lmetred [lməθrəð]	Tabuqalt [θavuqalt]	Taqedduht [θaqəḍduhθ]	Lemkeb [ləmχəb]
Lmetred [lməθrəð]	Taqbuct [θaqvoθ]	Tajefniwt [θazəfniwθ]	Lemkeb [ləmχəb]

<b>Tisemselt</b>	<b>Tagurgelliṭ</b>	<b>Takasrunt</b>	<b>Tadimt</b>
Afarraḥ [afarrah̄]	Abuḥila [avuḥila]	Takasrunt [θakasrunt]	Ayummy n tsebbalt [aʁum̄mu θsəbbalt]

## Timerna 01

## Ammud

Afarraḥ [afaḥraḥ]	Abuḥila [avuḥila]	Takasrunt [θakasrunt]	Ayummy n tsebbalt [aɣummu θsəbbalt]
Afarraḥ [afaḥraḥ]	Tabuḥilat [θavuhilafts]	Takasrunt [θakasrunt]	Ayummy n tsebba [aɣummu θsəbbalt]
Afarraḥ [afaḥraḥ]	Abuḥila [avuḥila]	Takasrunt [θakasrunt]	Lmayṭa [lmaɣta]
Tajin [taɣin]	Abuḥila [avuḥila]	Takasrunt [θakasrunt]	Tadimt [θaɖimt]
Ṭaḡin [taɖɣin]	Tasagemt [θasaɣəmθ]	Takasrunt [θakasrunt]	Tadimt [θaɖimt]
Bu fraḥ [vufraḥ]	Tacmuxt [θaɣmuxθ]	Takasrunt [θakasrunt]	Tadimt [θaɖimθ]
Bu fraḥ [vufraḥ]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Ayummy n tsebbalt [aɣummu θsəbbalt]
Bu fraḥ [vufraḥ]	Taqellalt [θaqaɛllalt]	Takasrunt [θakasrunt]	Ayummy n tsebbalt [aɣummu θsəbbalt]
Afarraḥ n tayrifin [afaḥraḥ ntaɣrifin]	Taqellalt [θaqaɛllalt]	Takasrunt [θakasrunt]	Ayummy [aɣummu]
Afarraḥ [afaḥraḥ]	Tagargelliṭ [θagargəlliṭ]	Takasrunt [θakasrunt]	Tadimt [θaɖimθ]
Afarraḥ [afaḥraḥ]	Tagargelliṭ [θagargəlliṭ]	Takasrunt [θakasrunt]	Tadimt [θaɖimθ]
Taɖajint n tayrifin [θaɖajint ntaɣrifin]	∅	Takasrunt [θakasrunt]	Tadimt [θaɖimθ]
Aɖajin [aɖajin]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Tadimt [θaɖimθ]
Afarraḥ [afaḥraḥ]	Taqlilt [θaqlilt]	Tabiduḥt n leftil [θaviɖuḥθ nɛfθil]	Tamayṭiwt [θamaɣtiwθ]
Afarraḥ [afaḥraḥ]	Tagargelliṭ [θagargəlliṭ]	Takasrunt [θakasrunt]	Ayummy n tsebbalt [aɣummu]

## Timerna 01

## Ammud

			θsəbbalt]
Ṭajin [təzin]	Tabeqlujt [θavəqluzθ]	Takasrunt [θakasrunt]	Tadimt [θaðimθ]
Ṭajin [təzin]	Tagurgelliṭ [θagurgəllit]	Takasrunt [θakasrunt]	Tadimt [θaðimθ]
Aḍajin n tayrifin [aḍazin ntaɣrifin]	Taburgelliṭ [θaburgəllit]	Takasrunt [θakasrunt]	Ayummy n tsebbalt [aɣummu ntsəbbalt]
Aḍajin [aḍazin]	∅	Takasrunt [θakasrunt]	Tadimt [θaðimt]
Aḍajin [aḍazin]	Taburgelliṭ [θavurgəllit]	Taṭawet [θatawəttɛs]	Tadimt [θaðimθ]
Aḍağin n tayrifin [aḍaḍzin ntaɣrifin]	Taburgelliṭ [θaburgəllit]	Takasrunt [θakasrunt]	Ayummy n tsebbalt [aɣummu θsəbbalt]
Aḍajin [aḍazin]	∅	Takasrunt [θakasrunt]	Layḍa [laɣḍa]
Taḍajint [θaḍajint]	Tagurgelliṭ [θagurgəllit]	Takasrunt [θakasrunt]	Tadimt [θaðimθ]
Aḍağin [aḍaḍzin]	Tagargellaṭ [θagargəllat]	Takasrunt [θakasrunt]	Ayummy n tsebbalt [aɣummu θsəbbalt]
Afarraḥ [afaɣraḥ]	Tagargulaṭ [θagargulat]	Takasrunt [θakasrunt]	Ayummy [aɣummu]
Aḍağin [aḍaḍzin]	∅	Takasrunt [θakasrunt]	Ayummy n tsebbalt [aɣummu θsəbbalt]
Uskir [uskir]	∅	Tṭawa [ttawa]	Tadimt [θaðimθ]
Uskir [uskir]	∅	Takasrunt [θakasrunt]	Tadimt [θaðimθ]

Timerna 01

Ammud

Uskir n tayrifin [uskir θaʁrifin]	∅	Taʁawat [θatawaʔts]	Tadimt [θaðimθ]
Aɗajin n tayrifin [aɗazin ntaʁrifin]	Tacmuxt [θaʁmuxθ]	Takasrunt [θakasrunt]	Tadimt [θaðimθ]
Aɗajin [aɗazin]	Tabargelliʔ [θabargəlliʔ]	Takasrunt [θakasrunt]	Tadimt [θaðimt]
Aɗajin [aɗazin]	∅	Takasrunt [θakasrunt]	Tadimt [θaðimθ]
Aɗajin [aɗazin]	∅	Takasrunt [θakasrunt]	Tadimt [θaðimt]
Aɗajin [aɗazin]	Lqella [lqəlla]	Takasrunt [θakasrunt]	Tadimt [θaðimθ]
Aɗajin [aɗazin]	∅	Takasrunt [θakasrunt]	Tadimt [θaðimθ]
Afarr̥aḥ n tayrifin [afar̥raḥ ntaʁrifin]	Tabuqalt [θavuqalt]	Takasrunt [θakasrunt]	Ayummy n tsebbalt [aʁum̃mu θsəbbalt]
Ṭajin n tayrifin [ṭazin ntaʁrifin]	Taqlilt [θaqlilt]	Takasrunt [θakasrunt]	Ayummy n tsebbalt [aʁum̃mu θsəbbalt]
Ṭajin n tayrifin [ṭazin ntaʁrifin]	Tagurgelliʔ [θagurgəlliʔ]	Takasrunt [θakasrunt]	Layḍa n tsebbalt [laṽda θsəbbalt]
Ṭajin n tayrifin [ṭazin ntaʁrifin]	Tagurgelliʔ [θagurgəlliʔ]	Takasrunt [θakasrunt]	Ayummy n tsebbalt [aʁum̃mu θsəbbalt]
Aɗajin [aɗazin]	Tagugriʔ [θagugriʔ]	Takasrunt [θakasrunt]	Ayummy n tsebbalt [aʁum̃mu θsəbbalt]
Afarr̥aḥ [afar̥raḥ]	Taburgelliʔ [θavurgəlliʔ]	Takasrunt [θakasrunt]	Ayummy n tsebbalt [aʁum̃mu θsəbbalt]

Timerna 01

Ammud

Afarraḥ n tayrifin [afaḥḥaḥ ntaḥrifin]	∅	Takasrunt [θakasrunt]	Tadimt [θaḍimθ]
Afarraḥ n tayrifin [afaḥḥaḥ ntaḥrifin]	Taylewt [θajləwθ]	Takasrunt [θakasrunt]	Tadimt [θaḍimθ]
Aḍajin n tayrifin [aḍajin ntaḥrifin]	∅	Takasrunt [θakasrunt]	Aḡummu n tsebbalt [aḡumḥmu θsəḅbalt]
Bu fraḥ [vufraḥ]	∅	Takasrunt [θakasrunt]	Tadimt [θaḍimθ]
Afarraḥ n tayrifin [afaḥḥaḥ ntaḥrifin]	Tablawt [θavlawθ]	Takasrunt [θakasrunt]	Aḡummu [aḡumḥmu]
Bu fraḥ [vufraḥ]	∅	Takasrunt [θakasrunt]	Tadimt [θaḍimθ]
Afarraḥ [afaḥḥaḥ]	Tagullit [θagullit]	Takasrunt [θakasrunt]	Timdelt [θimḍəlt]
Afarraḥ n tayrifin [afaḥḥaḥ ntaḥrifin]	∅	Takasrunt [θakasrunt]	Aḡummu [aḡumḥmu]
Ṭajin [ṭajin]	Garea [garfa]	Takasrunt [θakasrunt]	Aḡummu [aḡumḥmu]
Afarraḥ n tayrifin [afaḥḥaḥ ntaḥrifin]	∅	Takasrunt [θakasrunt]	Aḡummu n tsebbalt [aḡumḥmu θsəḅbalt]
Afarraḥ [afaḥḥaḥ]	Tabuqalt [θavuqalt]	Takasrunt [θakasrunt]	Aḡummu [aḡumḥmu]
Ucbiḥ umsiḥ [uʃviḥ umsiḥ]	Lagargulat [lagargulat]	Tatawat [θatawatʃs]	Aḡummu n tsebbalt [aḡumḥmu θsəḅbalt]
Afarraḥ imsarraḥ [afaḥḥaḥ imsaḥraḥ]	Tagargulit [θagargulit]	Takasrunt [θakasrunt]	Tamdelt [θamḍəlt]
Afarraḥ imsarraḥ [afaḥḥaḥ imsaḥraḥ]	Tagargulit [θagargulit]	Takasrunt [θakasrunt]	Tamdelt [θamḍəlt]

Timerna 01

Ammud

Afarraḥ [afarrah]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Ayummy [ayummu]
Afarraḥ [afarrah]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Ayummy [ayummu]
Afarraḥ [afarrah]	∅	Takasrunt [θakasrunt]	Ayummy n tsebbalt [ayummu θsəbbalt]
Aḍajin n tayrifin [aḍajin ntayrifin]	Tablawt [θavlawθ]	Takasrunt [θakasrunt]	Ayummy n tsebbalt [ayummu θsəbbalt]
Uskir [uskir]	∅	Takasrunt [θakasrunt]	Tadimt [θaḍimθ]
Afarraḥ [afarrah]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Tadimt [θaḍimθ]
Taḍajint [θaḍajint]	Tagurgelliṭ [θagurgəlliṭ]	Tatawat [θatawatts]	Tadimt [θaḍimθ]
Taḍaḡint n tayrifin [θaḍaḡint θayrifin]	Taburgelliṭ [θaburgəlliṭ]	Tatawet [θatawəfts]	Tadimt [θaḍimθ]
Uskir [uskir]	Taburgelliṭ [θavurgəlliṭ]	Tatawat [θatawatts]	Tadimt [θaḍimθ]
Aḍajin n tayrifin [aḍajin ntayrifin]	Taburgelliṭ [θavurgəlliṭ]	Takasrunt [θakasrunt]	Tadimt [θaḍimθ]
Aḍajin [aḍajin]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Tadimt [θaḍimθ]
Aḍajin [aḍajin]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Tadimt [θaḍimθ]
Aḍajin [aḍajin]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Tadimt [θaḍimθ]
Aḍajin [aḍajin]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Tadimt [θaḍimθ]

## Timerna 01

## Ammud

Ađajin [ađazin]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Ayummy n tsebbalt [aʁum̃mu θsəbbalt]
Ađajin [ađazin]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Tadimt [θađimθ]
Ađajin [ađazin]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Tadimt [θađimθ]
Ađajin [ađazin]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Tadimt [θađimθ]
Ađajin n tayrifin [ađazin ntaʁifin]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Tadimt [θađimθ]
Afarraḥ [afarraḥ]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Ayummy [aʁum̃mu]
Ađajin [ađazin]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Ayummy n tsebbalt [aʁum̃mu θsəbbalt]
Ađajin [ađazin]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Ayummy n tsebbalt [aʁum̃mu θsəbbalt]
Ađajin n tayrifin [ađazin ntaʁifin]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Lmayṭa [lmaʁta]
Ađağin [ađad̃zin]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Tadimt [θađimθ]
Afarraḥ [afarraḥ]	Tabuqalt [θavuqalt]	Takasrunt [θakasrunt]	Alayḍiw [alaɣdiw]
Afarraḥ [afarraḥ]	Tabuqalt [θavuqalt]	Takasrunt [θakasrunt]	Alayḍiw [alaɣdiw]
Afarraḥ [afarraḥ]	Taqlilt [θaqlilt]	Takasrunt [θakasrunt]	Ayummy n tsebbalt [aʁum̃mu θsəbbalt]
Ađajin [ađazin]	Lgelba [lgəlvə]	Takasrunt [θakasrunt]	Lemyetṭa [ləmɣetṭa]
Ađajin [ađazin]	Tabuqalt [θavuqalt]	Takasrunt [θakasrunt]	Ayummy [aʁum̃mu]

## Timerna 01

## Ammud

Afarraḥ [afarrah]	Tabuhilat [θavuhilaʔts]	Takasrunt [θakasrunt]	Ayummy n tsebbalt [aʁummu θsəbbalt]
Afarraḥ [afarrah]	Tagargelliṭ [θagargəlliʔ]	Takasrunt [θakasrunt]	Ayummy n tsebbalt [aʁummu θsəbbalt]
Afarraḥ [afarrah]	Taqbuct [θaqvoθ]	Takasrunt [θakasrunt]	Alaydiw [alaxdiw]
Aḍajin [aḍazin]	Tagurgelliṭ [θagurgəlliʔ]	Takasrunt [θakasrunt]	Tadimt [θaḍimt]
Aḍajin [aḍazin]	Tagurgelliṭ [θagurgəlliʔ]	Takasrunt [θakasrunt]	Ayummy n tsebbalt [aʁummu θsəbbalt]
Aḍajin [aḍazin]	∅	Takasrunt [θakasrunt]	Tadimt [θaḍimt]
Aḍajin [aḍazin]	∅	Takasrunt [θakasrunt]	Tadimt [θaḍimt]
Tasemselt n tayrifin [θasəmsəlt θaxrifin]	Tabuqalt [θavuqalt]	Tatawet [θatawəʔts]	Tadimt [θaḍimθ]
Afarraḥ [afarrah]	Tagurgelliṭ [θagurgəlliʔ]	Tatawat [θatawaʔts]	Tadimt [θaḍimθ]
Aṭajin n tayrifin [aṭazin ntaxrifin]	∅	Takasrunt [θakasrunt]	Tadimt [θaḍimθ]
Ṭajin n tayrifin [ṭazin ntaxrifin]	∅	Tatawat [θatawaʔts]	Ayummy n tsebbalt [aʁummu θsəbbalt]
Afarraḥ n tayrifin [afarrah ntaxrifin]	∅	Takasrunt [θakasrunt]	Ayummy n tsebbalt [aʁummu θsəbbalt]
Afarraḥ n tayrifin [afarrah ntaxrifin]	∅	Takasrunt [θakasrunt]	Tadimt [θaḍimθ]
Imsarbeh [imsarvəh]	∅	Takasrunt [θakasrunt]	Ayummy [aʁummu]

## Timerna 01

## Ammud

Uskir [uskir]	Taqbuct m ubud [θaqvoʃθ muvuð]	Takasrunt [θakasrunt]	Tadimt [θaðimθ]
Afarraḥ n tayrifin [afaɾɾaḥ ntaɾrifin]	∅	Takasrunt [θakasrunt]	Layḍa [laɣða]
Afarraḥ n tayrifin [afaɾɾaḥ ntaɾrifin]	∅	Takasrunt [θakasrunt]	Layḍa [laɣða]
Aḍajin [aḍajin]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Tadimt [θaðimθ]
Aḍajin [aḍajin]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Tadimt [θaðimθ]
Aḍajin [aḍajin]	Lgurda [lgurda]	Takasrunt [θakasrunt]	Tadimt [θaðimθ]
Aḍajin [aḍajin]	Lgurda [lgurda]	Takasrunt [θakasrunt]	Tadimt [θaðimθ]
Ṭajin [ṭajin]	Cmuxa [ʃmuxa]	Takasrunt [θakasrunt]	Tugala [tugala]
Ṭajin [ṭajin]	Cmuxa [ʃmuxa]	Kasruna [kasruna]	Layḍa [laɣða]
Uskir [uskir]	Tasagemt [θasaɾəmθ]	Tatawat [θatawaɾɿts]	Lyem [lɛəm]
Ucbih [uɟviḥ]	Tasagemt [θasaɾəmθ]	Tatawat [θatawaɾɿts]	Ayummy [aɣummu]
Afarraḥ [afaɾɾaḥ]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Ayummy [aɣummu]
Afarraḥ [afaɾɾaḥ]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Ayummy [aɣummu]
Aḍajin [aḍajin]	Lqella [lqəlla]	Takasrunt [θakasrunt]	Tadimt [θaðimθ]
Bu fraḥ [vuɾaḥ]	Asegres [asəɾɾəs]	Takasrunt [θakasrunt]	Layḍa [laɣða]

## Timerna 01

## Ammud

Ađajin [ađazin]	∅	Takasrunt [θakasrunt]	Aleyða [aləɸða]
Ađajin [ađazin]	∅	Takasrunt [θakasrunt]	Aleyða [aləɸða]
Imsarbeḥ [imsarvəḥ]	∅	Tatawat [θatawəʔts]	Ayummy [aɣum̃mu]
Ucbiḥ [ufviḥ]	Taburgelliṭ [θavurgəlliṭ]	Tagamilt [θagamilt]	Ayummy n tsebbalt [aɣum̃mu θsəbbalt]
Ađagin [ađad̃zin]	∅	Takasrunt [θakasrunt]	Tadimt [θaðimθ]
Bu fraḥ [vufraḥ]	Tagulliṭ [θagulliṭ]	Takasrunt [θakasrunt]	Layða [læɸða]
Aťajin [atazin]	Taburgelliṭ [θavurgəlliṭ]	Tatawet [θatawəʔts]	Tadimt [θaðimθ]
Ađajin n tayrifin [ađazin ntaɣrifin]	Taburgelliṭ [θavurgəlliṭ]	Takasrunt [θakasrunt]	Ayummy n tsebbalt [aɣum̃mu θsəbbalt]
Ađajin [ađazin]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Tadimt [θaðimθ]
ťajin [ťazin]	∅	Takasrunt [θakasrunt]	Tadimt [θaðimθ]
Ađajin [ađazin]	Tiylewt [θijləwθ]	Takasrunt [θakasrunt]	Tadimt [θaðimθ]
Amsarbeḥ [amsarvəḥ]	∅	Takasrunt [θakasrunt]	Ayummy [aɣum̃mu]
Ađajin [ađazin]	Taburgelliṭ [θavurgəlliṭ]	Takasrunt [θakasrunt]	Tadimt [θaðimθ]
Afarraḥ [afarraḥ]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Ayummy [aɣum̃mu]
Aťajin [atazin]	Tagurgelliṭ [θagurgəlliṭ]	Takasrunt [θakasrunt]	Tadimt [θaðimθ]

Afarrah [afarrah]	Taqlilt [θaqlilt]	Takasrunt [θakasrunt]	Ayummu [aʏummu]
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Lmaḥbes	Abuqal	Tuggict n tmayriwin	Tafeyyact	Aṣeffay
Lmaḥbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Tuggict [θuɣɣiθ]	Tafeyyact [θafəɣɣaθ]	Aṣeffay [a əffaj]
Lmaḥbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Tuggict [θuɣɣiθ]	Tafeyyact [θafəɣɣaθ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Tabuqalt n teslit[θavuqalt θəsliθ]	Tuggict [θuɣɣiθ]	Tafeyyact [θafəɣɣaθ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Aqbuc [aqvoʃ]	Tuggict [θuɣɣiθ]	Tafeyyact [θafəɣɣaθ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tasilt [θasilt]	Afeyyac [afəɣɣa]	Aseksut [asəksuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tasilt [θasilt]	Taftilt [θafθilt]	Aṣeffay [a əffaj]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Isili [isili]	Taftilt [θafθilt]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Isili [isili]	Taftilt [θafθilt]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Isili [isili]	Taftilt [θafθilt]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal n teslit [avuqal θəsliθ]	Tasebbalt [θasəbbalt]	Tafeyyact [θafəɣɣaθ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tasilt [θasilt]	Lamba [lamba]	Aṣeffay [a əffaj]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tasilt [θasilt]	Taftilt [θafθilt]	Aseksut [asəχsuθ]

## Timerna 01

## Ammud

Lmaḥbes [lmaḥvəs]	Abuqal [abuqal]	Tasilt [θasilt]	Lmeṣbaḥ [lmə vaḥ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tasilt [θasilt]	Lamba [lamba]	Taṣeffayt [θa əffajθ]
Lmaḥbes [lmaḥvəs]	∅	Taəennabit [θaʔənnaviθ]	Tafeyyact [θafəjjajθ]	Asellal [asəllal]
Lmaḥbes [lmaḥvəs]	∅	Taqdirt [θaqðirθ]	Tafeyyact [θafəggaθ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tacuyt [θafujθ]	Taftilt [θafθilt]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tasilt [θasilt]	Lmeṣbaḥ [lmə vaḥ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tacuyt [θafujθ]	Taftilt [θafθilt]	Aseksut [asəχsuθ]
∅	Abuqal [avuqal]	Tacuyt [θafujθ]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqay [avuqaj]	Tacuyt [θafujθ]	Taftilt [θafθilt]	Aseksut [asəksuθ]
Lmaḥbes [lmaḥvəs]	Tabuqalt n teslit[θavuqalt θəsliθ]	Tacuyt n tmayriwin[θafujθ ntmaɾriwin]	Afeyyac [afəjjaj]	Akeskas [akəskas]
Lmaḥbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Tacuyt [θafujθ]	Lmeṣbaḥ [lmə vaḥ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tasebbalt [θasəbbalt]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tasilt [θasilt]	Tafeyyact [θafəjjajθ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal n teslit[avuqalt θəsliθ]	Tasilt [θasilt]	Tafeyyact [θafəjjajθ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tasilt [θasilt]	Taftilt [θafθilt]	Aseksut [asəχsuθ]

## Timerna 01

## Ammud

Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tuggi [θuɡgi]	Lefnar [ləfnar]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tugi [θu:gi]	Taftilt [θafθilt]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tuggi [θuɡgi]	Tagazet [θagazətts]	Aseksut [asəχsuθ]
Tbaq [tvaq]	Abuqal [avuqal]	Adeŋgir [adəndz̄ir]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Aqazzal [aqaz̄zal]	Lamba [lamba]	∅
Lmaḥbes [lmaḥvəs]	Abuqay [avuqaj]	Tacuyt [θafujθ]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tacuyt [θafujθ]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tacuyt [θafujθ]	Lamba [lamba]	Aseksut [asəχsuθ]
∅	Abuqay [avuqaj]	Tacuyt [θafujθ]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Tacmuxt [θafmuxt]	Tasilt n tmayriwin [θasilt ntmaɾriwin]	Taftilt [θafθilt]	Abarmil [avarmil]
Lmaḥbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Aqdir ameqqran [aqðir aməq̄qran]	Lmeṣbaḥ [lmə vaḥ]	Aseksut [asəχsuθ]
Timahbest [θimaḥvəsθ]	Tabuqalt n teslit [θavuqalt θəsliθ]	Tasebbalt [θasəbbalt]	Lmeṣbaḥ [lmə vaḥ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Tasebbalt [θasəbbalt]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Timsarbaḥt [θimsarvaḥθ]	Tafeyyact [θafəggaθ]	Aseksut n uzemmur [asəχsuθ uzəmmur]

## Timerna 01

## Ammud

Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tnijra [tnizra]	Tafeyyact [θafəggaθ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Acmux [aɸmux]	Tasilt [θasilt]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Tasilt n wakal [θasilt b̄baχal]	Tafeyyact [θafəggaθ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Tasilt [θasilt]	Tftilt n wakal [θafθilt b̄baχal]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tasilt [θasilt]	Tafeyyact [θafəggaθ]	Aseksut [asəχsuθ]
Imaḥbes [imaḥvəs]	Tacmuxt [θaɸmuxθ]	Tasebbalt [θasəbbalt]	Tacemmaæt [θafəm̄mafθ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tasilt [θasilt]	Taftilt [θafθilt]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	∅	Aqazzal [aqaz̄zal]	Tafeyyact [θafəjjaθ]	Aşeffay [a əffaj]
Lmaḥbes [lmaḥvəs]	Taqbuct [θaqvoθ]	Tasebbalt [θasəbbalt]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥbəs]	Abuqal [abuqal]	Aqazzan [aqaz̄zan]	Lamba [lamba]	Aşeffay [a əffaj]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tuggict tameqrant [θuɡgiθ θaməq̄q̄rant]	Tafeyyact [θafəggaθ]	Aseksut n zzit [asəχsuθ nəzziθ]
Lmaḥbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Asebbal [asəbbal]	Tafeyyact [θafəggaθ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tuggi [θuɡgi]	Lmeşbah [lmə vaḥ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Aqdir n tmayra [aqdir ntmaɁra]	Afeyyac [afəjjaɸ]	Aseksut [asəχsuθ]

Timerna 01

Ammud

Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Aqdir n tmayra [aḡdir ntmaɾra]	Afeyyac [afəjjaʃ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Aqdir [aḡdir]	Lmeṣbaḥ [lmə vaḥ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Taqdirt tameqqrant[θaḡdirθ θaməḡqrant]	ⓧ	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tasilt [θasilt]	Taftilt [θafθilt]	Aṣeffay [a əffaj]
Lmaḥbes [lmaḥvəs]	Tabuqalt n teslit[θavuqalt θəsliθ]	Tasilt n tmayriwin [θasilt ntmaɾriwin]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tugi [θu:gi]	Taftilt [θafθilt]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tacuyt [θafujθ]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tacuyt [θafujθ]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Asagem [asaɾəm]	Tuggit [θuḡḡiθ]	Lamba [lamba]	Aseksut [asəχsuθ]
∅	Asagem [asaɾəm]	Tuggit [θuḡḡiθ]	Lmeṣbaḥ [lmə vaḥ]	Aseksut [asəksuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tuggit [θuḡḡiθ]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tacuyt tameqqrant [θafujθ θaməḡqrant]	Lamba [lamba]	Aseksut [asəksuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tacuyt tameqqrant [θafujθ θaməḡqrant]	Lamba [lamba]	Aseksut [asəksuθ]
Lmaḥbes [lmaḥvəs]	Asagem [asaɾəm]	Tasilt [θasilt]	Lamba [lamba]	Aseksut [asəksuθ]

## Timerna 01

## Ammud

Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Asil [asil]	Lamba [lamba]	Aseksut [asəksuθ]
Lmaḥbes [lmaḥvəs]	Aqbuc [aqvoʃ]	Tasilt tameqqrant[θasilt θameqqrant]	Taftilt [θafθilt]	Aseksut [asəksuθ]
Lmaḥbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Tasilt [θasilt]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tasilt [θasilt]	Lamba [lamba]	Aşeffay [a əffaj]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tasilt [θasilt]	Lamba [lamba]	Aşeffay [a əffaj]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tasilt [θasilt]	Taftilt [θafθilt]	Aşeffay [a əffaj]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tasilt [θasilt]	Tafeyyact [θafəggaθ]	Aseksut [asəχsuθ]
∅	Asagem [asaɣəm]	Tasilt [θasilt]	Lamba [lamba]	Aseksut [asəχsuθ]
∅	Asagem [asaɣəm]	Tasilt [θasilt]	Lamba [lamba]	Aseksut [asəχsuθ]
∅	∅	Tasilt [θasilt]	Lmeşbaḥ [lmə vaḥ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tajəqdurt [θazəqðurθ]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Taqdirt [θaqdirθ]	Lmeşbaḥ [lmə vaḥ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Taqdirt [θaqdirθ]	Lmeşbaḥ [lmə vaḥ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	∅	Aḥellab n useqqi [θaḥəl̄lavθ usəqqi]	Tafeyyact [θafəjjaθ]	Aseksut [asəχsuθ]
Aqbuc [aqvoʃ]	Aqbuc [aqvoʃ]	Aqedduḥ [aqədduḥ]	Lmeşbaḥ [lmə vaḥ]	Aseksut [asəχsuθ]

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Lmaḥbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Tasilt [θasilt]	Lmeṣbaḥ [lmə vaḥ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tuggict [θuḡḡiθ]	Tafeyyact [θafəjjaθ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Taqdirt [θaqðirθ]	Tafeyyact [θafəjjaθ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Taqdirt [θaqðirθ]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Aqazzan [aqazzan]	Lamba [lamba]	Aseksuy [asəksuj]
Lmaḥbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Aqazzan [aqazzan]	Lamba [lamba]	Aseksut [asəχsuθ]
∅	Abuqal [avuqal]	Tacuyt [θafujθ]	Lamba [lamba]	Aseksut [asəχsuθ]
∅	Abuqal [avuqal]	Tacuyt [θafujθ]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Tabuqalt n teslit [θavuqalt təsliθ]	Tasebbalt [θasəbbalt]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Tacmuxt [θafmuxθ]	Tasebbalt [θasəbbalt]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tasilt [θasilt]	Lmeṣbaḥ [lmə vaḥ]	Aseksu [asəχsu]
Lmaḥbes [lmaḥvəs]	Tasagemt [θasaɣəmθ]	Aqazzal [aqazzal]	Lamba [lamba]	Aseksu [asəχsu]
Lmaḥbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Taqdirt n wakal [θaqðirθ bbaxal]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Tacmuxt [θafmuxθ]	Aqedduḥ [aqədduḥ]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Tasebbalt [θasəbbalt]	Lmeṣbaḥ [lmə vaḥ]	Aseksut [asəχsuθ]

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## Ammud

Lmaḥbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Tasebbalt n tmayriwin [θasəbbalt θmaɾriwin]	Afeyyac [afəjja]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Tasilt [θasilt]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Tasilt [θasilt]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Tasilt [θasilt]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tasilt [θasilt]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Aqbuc [aqvo]	Tasilt [θasilt]	Taftilt [θafθilt]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tasilt [θasilt]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	∅	Qedra kbira [qədra kbira]	Ftila [ftila]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [abuqal]	Qedra kbira [qədra kbira]	Ftila [ftila]	Akeskas [akəskas]
Lmaḥbes [lmaḥvəs]	∅	Tasilt [θasilt]	Taftilt [θafθilt]	Aṣeffay [a əffaj]
Lmaḥbes [lmaḥvəs]	∅	Tasilt [θasilt]	Taftilt [θafθilt]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Aqdir [aqdir]	Tafeyyact [θafəjjaθ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Aqdir [aqdir]	Tafeyyact [θafəjjaθ]	Aseksut [asəχsuθ]
Lmaḥbes [lmaḥvəs]	Abuqal [avuqal]	Tacuyt [θafujθ]	Taftilt [θafθilt]	Tacwirt n uzemmur [θafwirθ uzəmmur]
Amahbes [amahvəs]	∅	Tasilt [θasilt]	Lamba [lamba]	Akeskas [akəskas]

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Mahbes [maḥvəs]	Tabuqalt [θavuqalt]	Taqdirt [θaqq̄dirθ]	Lamba [lamba]	Aseksut [asəχsuθ]
Mahbes [maḥvəs]	Abuqal [avuqal]	Taqdirt [θaqq̄dirθ]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmahbes [lmaḥvəs]	Abuqal [avuqal]	Tuggi [θuḡḡi]	Lmeṣbaḥ [lmə vaḥ]	∅
Lmahbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Tuggi [θuḡḡi]	Lmeṣbaḥ [lmə vaḥ]	Aseksut [asəχsuθ]
Lmahbes [lmaḥbəs]	Tabuqalt [θavuqalt]	Tacuyt n tmayriwin [θafujθ ntmaɾriwin]	Taftilt [θafθilt]	Aseksut [asəχsuθ]
Lmahbes [lmaḥvəs]	Acmux [aɬmux]	Tasilt [θasilt]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmahbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Tuggi [θuḡḡi]	Lefnar [ləfnar]	Aseksut [asəχsuθ]
Lmahbes [lmaḥvəs]	∅	Aqezdir [aqəzdir]	Lmeṣbaḥ [lmə vaḥ]	Aseksut [asəχsuθ]
Lmahbes [lmaḥvəs]	Asagem [asaɾəm]	Aqazzal [aqaz̄zal]	Lmeṣbaḥ [lmə vaḥ]	Tisnit [θisniɬts]
∅	Abuqal [avuqal]	Tasilt [θasilt]	Lamba [lamba]	∅
Lmahbes [lmaḥvəs]	Abuqal [avuqal]	Tacuyt [θafujθ]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmahbes [lmaḥvəs]	Abuqal [avuqal]	Tasilt [θasilt]	Tafeyyact [θafəḡḡaθ]	Aseksut [asəχsuθ]
Lmahbes [lmaḥvəs]	Abuqal [avuqal]	Tacuyt [θafujθ]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmahbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Aqazzal [aqaz̄zal]	Lamba [lamba]	Aseksut [asəχsuθ]
Lmahbes [lmaḥvəs]	Abuqal [avuqal]	Taḥellabt n useqqi [θaḥəllavθ usaqq̄qi]	Lamba [lamba]	Aseksut [asəχsuθ]

Lmaḥbes [lmaḥvəs]	Tabuqalt [θavuqalt]	Aḥellab [aḥəllav]	Tafeyyact [θafəggəθ]	Aseksut [asəχsuθ]
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<b>Aḥellab</b>	<b>Ṭbaq</b>	<b>Lkuca</b>	<b>Tibarkect</b>
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Ibarkec [ivarkəʃ]
Tafedliwt [θafədliwθ]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Ibarkec [ivarkəʃ]
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Takuzint [θakuzint]	Tabarkect [θavarkəθ]
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Tibarkuct [θivarkuʃθ]
Aḥellab [aḥəllav]	Takarbast [θakarvasθ]	Lkuca [lkuʃa]	Tibetit [θivətiθ]
Aḥellab [aḥəllav]	Takarbast [θakarvasθ]	Lkuca [lkuʃa]	Tibetit [θivətiθ]
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Tibetit [θivətiθ]
Tibesit [θivsiθ]	Ṭbaq [ṭvaq]	∅	Tibarkect [θivarkəθ]
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Takuzint [θakuzint]	Tibarkect [θivarkəθ]
Tasebbalt [θasəbbalt]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Lbarka [lvarka]

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Tasebbalt [θasəbbalt]	∅	Lkuca [lkuʃa]	Lbarka [lvarka]
Tasebbalt [θasəbbalt]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Lbarka [lvarka]
Tasebbalt [θasəbbalt]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Taħellabt [θaħəllavθ]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Aħellab [aħəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Aħellab [aħəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Tasebbalt [θasəbbalt]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Tasebbalt [θasəbbalt]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	∅
Tasebbalt [θasəbbalt]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Tasebbalt [θasəbbalt]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Lbila [lvila]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Lbarka [lvarka]
Tasebbalt [θasəbbalt]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Lbarka [lvarka]
Tasebbalt [θasəbbalt]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	∅
Tasebbalt [θasəbbalt]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	∅
Aħellab [aħəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Lbarka [lvarka]
Aħellab [aħəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Lbarka [lvarka]

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Ammud

Tasebbalt [θasəbbalt]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Tasebbalt [θasəbbalt]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Aḥellab [aḥəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Lbila [lvila]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	∅
Lbila [lvila]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	∅
Lbila [lvila]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	∅
Lbila [lvila]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	∅
Lbiya [lvija]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	∅
Aḥellab [aḥəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Lbarka [lvarka]
Aḥellab [aḥəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Aḥellab [aḥəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Ameḥwaḍ [aməḥwaḍ]
Tasebbalt [θasəbbalt]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Aḥḍun [aḥḍon]
Aḥellab [aḥəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Aḥellab [aḥəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarkict [θivarkiθ]
Aḥellab [aḥəllav]	Ṭbaq [tvaq]	Takuzint n temtun [θakuzint θəmθunt]	Tibarkect [θivarkəθ]

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Ammud

Tasebbalt [θasəbbalt]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Tasebbalt [θasəbbalt]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Tasebbalt [θasəbbalt]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	∅
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Lfur [lfur]	Lğefna n tarkit [ldʒəfna n tarkit]
Tasebbalt [θasəbbalt]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Aḥellab [aḥəllab]	Ṭbaq [ṭbaq]	Lkuca [lkuʃa]	Tabettit [θabətt̪siθ]
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Acmux [aʃmux]	Aqedduḥ [aqəd̪duḥ]	Lkuca [lkuʃa]	Tibarkict [θivarkiθ]
Tasebbalt [θasəbbalt]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Tibarket [θivarkətt̪s]
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Tibarket [θivarkətt̪s]
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Tibarket [θivarkətt̪s]
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Tibarket [θivarkətt̪s]
Tasebbalt [θasəbbalt]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	∅

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Taḥellabt [θaḥəllavθ]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Tasebbalt [θasəbbalt]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Tasebbalt [θasəbbalt]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	∅
Tasebbalt [θasəbbalt]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	∅
Aḥellab [aḥəllav]	Ṭbaq [tvaq]	Takuzint [θakuzint]	∅
Tasebbalt [θasəbbalt]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Lbila [lvila]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Aḥellab [aḥəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Taḥḍunt [θaḥḍont]
Aḥellab [aḥəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Taḥḍunt [θaḥḍont]
Tasebbalt [θasəbbalt]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Lbarka [lvarka]
Aḥellab [aḥəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Aḥellab [aḥəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Taberka [θavərka]
Aḥellab [aḥəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Aḥḍun [aḥḍon]
Aḥellab [aḥəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Aḥḍun [aḥḍon]
Aḥellab [aḥəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Aḥḍun [aḥḍon]
Tasebbalt [θasəbbalt]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Aḥḍun [aḥḍon]

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Ammud

Ahellab [aħəllav]	T̥baq [tvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəʃθ]
Tasebbalt [θasəbbalt]	T̥baq [tvaq]	Lkuca [lkuʃa]	Tibarkict [θivarkiʃθ]
Tasebbalt [θasəbbalt]	T̥baq [tvaq]	Lkuca [lkuʃa]	Tibarkict [θivarkiʃθ]
Tasebbalt [θasəbbalt]	T̥baq [tvaq]	Lkuca [lkuʃa]	Lbarka [lvarka]
Tasebbalt [θasəbbalt]	T̥baq [tvaq]	Lkuca [lkuʃa]	Lbarka [lvarka]
Tasebbalt [θasəbbalt]	T̥baq [tvaq]	Lkuca n wakal [lkuʃa ɒbaχal]	Tibarket [θivarkəʃts]
Tasebbalt [θasəbbalt]	T̥baq [tvaq]	Lkuca n wakal [lkuʃa ɒbaχal]	Tibarket [θivarkəʃts]
Ahellab [aħəllav]	T̥baq [tvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəʃθ]
Tasebbalt [θasəbbalt]	Taqarurt [θaqaɾurθ]	Lkuca [lkuʃa]	Lbarka [lvarka]
Ahellab [aħəllav]	T̥baq [tvaq]	Lkuca [lkuʃa]	Aħdun [aħdon]
Ahellab [aħəllav]	T̥baq [tvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəʃθ]
Tasebbalt [θasəbbalt]	T̥baq [tvaq]	Lkuca [lkuʃa]	Tibarket [θivarkəʃts]
Ahellab [aħəllav]	T̥baq [tvaq]	Lkuca [lkuʃa]	Tibarket [θivarkəʃts]
Tasebbalt [θasəbbalt]	T̥baq [tvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəʃθ]
Ahellab [aħəllav]	T̥baq [tvaq]	Lfur [lfur]	Lbarka [lvarka]
Tasebbalt [θasəbbalt]	T̥baq [tvaq]	Lkuca [lkuʃa]	∅

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## Ammud

Tasebbalt [θasəbbalt]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	∅
Tasebbalt [θasəbbalt]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Taḥḍunt [θaḥḍont]
Tasebbalt [θasəbbalt]	Ṭbaq [ṭvaq]	∅	Taḥḍunt [θaḥḍont]
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Tabarkect [θavarkəθ]
Taḥellabt [θaḥəllavθ]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Tabarkect [θavarkəθ]
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Tibarkect [θivarkəθ]
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	∅
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	∅
Acmux [aʃmux]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Tibarkict [θivarkiθ]
Acmux [aʃmux]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Tibarkict [θivarkiθ]
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Taḥḍunt [θaḥḍont]
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Taḥḍunt [θaḥḍont]
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	∅
Tasebbalt [θasəbbalt]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	∅
Aḥellab [aḥəllav]	Ṭbaq [ṭvaq]	Lkuca [lkuʃa]	Tabasant [θavasant]

## Timerna 01

## Ammud

Ahellab [aħəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tabasant [θavasant]
Tasebbalt [θasəbbalt]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tabarkuct [θavarkuθ]
Tasebbalt [θasəbbalt]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibargent [θibargənt]
Ahellab [aħəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarket [θivarkətṭs]
Ahellab [aħəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarket [θivarkətṭs]
Tafexxart [θafəxxarθ]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	∅
Acmux [aʃmux]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibettit [θivətṭsiθ]
Ahellab [aħəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarket [θivarkətṭs]
Ahellab [aħəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarket [θivarkətṭs]
Bila [vila]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Lbarka [lvarka]
Lbila [lvila]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Lbarka [lvarka]
Tasebbalt [θasəbbalt]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Lbarka [lvarka]
Taguliṭ [θaguliṭ]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	∅
Ahellab [aħəllav]	Ṭbaq [tvaq]	Lfur [lfur]	Tibettit [θivətṭsiθ]
Ahellab [aħəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	∅
Tibilewt [θiviləwθ]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Lbarka [lvarka]

## Timerna 01

## Ammud

Tasebbalt [θasəbbalt]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	∅
Aḥellab [aħəllav]	Ṭbaq [tvaq]	Lkuca n wakaɫ [lkuʃa bbaɣal]	Lbarka [lvarka]
Aḥellab [aħəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarkict [θivarkiθ]
Aḥellab [aħəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Lbarka [lvarka]
Taḥellabt [θaħəllavθ]	Ṭbaq [tvaq]	Tafewwart [θafəw̃warθ]	Tibarkict [θivarkiθ]
Tæeyyart [θafəjjarθ]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Lbarka [lvarka]
Aḥellab [aħəllav]	Ṭbaq [tvaq]	Lkuca [lkuʃa]	Tibarkict [θivarkiθ]

Umuy n tuttriwin

<p><b>1. Taqbuct</b></p>  <p><b>2.Afaṛṛaḥ</b></p> 	<p><b>23. Acquf</b></p>  <p><b>24. Abuseqqi</b></p> 
<p><b>3. Afaṛṛaḥ n temtunt</b></p>  <p><b>4.Aḡebsi n seksu</b></p> 	<p><b>25. Takufit</b></p> 
<p><b>5. Tamarmiṭ</b></p>  <p><b>6.Aqbuc</b></p> 	<p><b>26. Acbayli</b></p> 

7. Tasilt



8. Taseksut



27. Lmetred



28. Tabuqalt



9. Akasrun



10. Lmeşbah



29. Tajegrurt



11. Abettac



12. Tachiht



30. Lemkub



31. Tisemselt



13. Tayellayt



14. Tasebbalt



32. Tagurgellit



15. Tabriqt



16. Tabaqit



33. Takasrunt



34. Tadimt



17. Nnafex



18. Tabaqit n lhamu









35. Lmaħbes



36. Abuqal



<p><b>19. Taxsayt</b></p> 	<p><b>37. Tuggict n tmayriwin</b>    <b>38. Tafeyyact</b></p> 
<p><b>20. Lğefna</b>                      <b>21. Akufi</b></p> 	<p><b>39. Aşeffay</b>                      <b>40. Aşellab</b></p> 
<p><b>22. Acmux</b></p> 	<p><b>41. Țbaq</b>                              <b>42 Lkuca</b></p> 
<p><b>43. Tibarkect</b> Anda rekkɛn azemmur</p>	

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