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# [illegible]

[illegible]

[illegible]

(1)



(2)

235

[illegible] ::

[illegible] ?

(3) [illegible] ?

[illegible] 《[illegible]》 · 《[illegible]》 [illegible] ::

(4) [illegible] 《[illegible]》 [illegible] 《[illegible]》 [illegible] ::



[illegible] 《× × [illegible]》 [illegible] ?

(5) [illegible] ::

① [illegible] 98% [illegible] ::

② [illegible] 92.6% [illegible] ::

③ [illegible] 92.8% [illegible] ::

④ [illegible] 72% [illegible] ::

⑤ [illegible] 62% [illegible] ::

⑥ [illegible] 47.6% [illegible] ::

[illegible] 14 [illegible] ③ [illegible]

② [illegible]

① [illegible] 13 [illegible]

(1) [illegible]



[illegible]

[illegible]

(9) [illegible]

[illegible] 《[illegible]》 [illegible]

⑦ [illegible] 31.7% [illegible]

[illegible] ::

(2) [illegible] ::

① [illegible]

② [illegible] ::

(3) [illegible] ::

[illegible] ::

(4) [illegible] ::

[illegible] ::



[illegible] · [illegible]

(1) 《[illegible]》 [illegible] 1980 [illegible] 18 [illegible] ::

[illegible] ::

① [illegible] ::

② [illegible] ::

③ [illegible] ::

④ [illegible] ::

⑨ [illegible]

⑧ [illegible]

⑦ [illegible]

⑥ [illegible]

⑤ [illegible]



[illegible] 1979 [illegible]

[illegible] 1980 [illegible]

(2) [illegible]

[illegible]

④

③

②

①

(3)

1992 84 88



(4)

⑦

⑥

⑤

(5)

[illegible]



1996 [illegible] 10 [illegible]

[illegible]

1980 ᠣᠨ

[illegible]



[illegible]

[illegible]

① [illegible]

② [illegible]

③ [illegible]

④ [illegible]

⑤ [illegible]

⑥ [illegible]

⑦ [illegible]

⑧ [illegible]



[illegible]

[illegible]



[illegible]

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | qám → qám | [illegible] | xəm → xə́m | | |
| [illegible] | bal → bál | [illegible] | ɣar → ɣár | [illegible] | gər → gə́r |
| [illegible] | úra → úr | [illegible] | xúr → xúr | [illegible] | nám → nám |
| [illegible] | im → im | [illegible] | ɔl → ɔ́l | [illegible] | ɵr → ɵ́r |
| [illegible] | áb → áb | [illegible] | əb → ə́b | [illegible] | əm → əm |

[illegible] :

(1) [illegible] ::

[illegible]

[illegible] ::



[illegible] :

(3) [illegible] ::

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| [illegible] | usú | → | usu | → | ús | [illegible] | əsə́ | → | əsə → ə́s |
| [illegible] | bičí | → | b iči | → | bíč | | | | |
| [illegible] | daɣá | → | d aɣa | → | dáɣ | [illegible] | tala | → | t ala → tál |
| [illegible] | mədə́ | → | m ədə | → | mə́d | [illegible] | sará | → | s ara → sár |
| [illegible] | qalá | → | q ala | → | qál | [illegible] | xələ́ | → | x əla → xə́l |
| [illegible] | nərə́ | → | n ərə | → | nə́r | [illegible] | bəxə́ | → | b əxə → bə́x |
| [illegible] | alá | → | ala | → | ál | [illegible] | əxə́ | → | əxə → ə́x |

[illegible] :

(2) [illegible]

① [illegible] :

(4) [illegible] ⟨ᠢ⟩ (i) [illegible] ::

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| [illegible] | šilúsu | → | š ilusu | → | šiúlsu | → | šóls |
| [illegible] | šimə́ | → | š imə | → | šiə́mə | → | šə́m |
| [illegible] | šidú | → | š idu | → | šiúdu | → | šud |
| [illegible] | miqá | → | m iqa | → | miáqa | → | máq |
| [illegible] | nigúl | → | n igul | → | niúgul | → | nógəl |
| [illegible] | niɣə̆l | → | n iɣəl | → | niə̆ɣəl | → | nə̆ɣəl |
| [illegible] | nidú | → | n idu | → | niúdu | → | núd |
| [illegible] | əlgú | → | əlgu | → | əúlgu | → | óləg |
| [illegible] | ərgú | → | ərgu | → | əúrgu | → | órəg |
| [illegible] | əbúl | → | əbul | → | əbúl | → | óbəl |
| [illegible] | əbúr | → | əbur | → | əúbur | → | óbər |
| [illegible] | aqə̆r | → | aqər | → | aə̆qər | → | ə̆qər |
| [illegible] | abə̆ri | → | abəri | → | aə̆bər | → | ə̆bər |



| | | | | | |
|---|---|---|---|---|---|
| [illegible] | imágta | → | imagta | → | jáma gt |
| [illegible] | iɣə̆qə | → | iɣəqə | → | jə̆ɣəq |
| [illegible] | ibáɣ ə̄ | → | ibaɣ ə̄ | → | jə̆b ə̄ |
| [illegible] | inág | → | inag | → | jánag |

[illegible] ⟨r⟩ (j) [illegible] :

② [illegible] ⟨ᠢ⟩ (i) [illegible] ::

[illegible] ⟨ᠢ⟩ (i) [illegible] , [illegible] ⟨ᠢ⟩ (i) [illegible]

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| [illegible] | íčixu → íčəx | | [illegible] | íši gə → íšəg |
| [illegible] | ídə → íd | | [illegible] | ídər → ídər |
| [illegible] | ísxu → ísəx | | [illegible] | ísxərə → ísxər |
| [illegible] | ílə → íl | | [illegible] | ilixu → íli x ~ íləx |
| [illegible] | íbəxu → íbəx | | [illegible] | ímnəxu → ímnəx |
| [illegible] | íbələ → íbəl | | [illegible] | íxərə → íxər |

[illegible] :

[illegible] ⟨ᠢ⟩ [illegible]

| | | | |
|---|---|---|---|
| x ɪ́dʊ → x'ʊd | | g ɪ́ɣar → g'aiɣar | |
| x ɪ́mda → x'amd | | x ɪ́rʊ → x'ʊr | |
| x ɪ́na → x'ana | | x ɪ́bara → x'abar | |
| b ɪ́lqa → b'alq | | b ɪ́ra → b'ar | |
| n ɪ́gta → n'agt | | n ɪ́lqa → n'alq | |

③

| | | |
|---|---|---|
| isú → | ɪ́su → | jős |
| irúg əl → | ɪ́rug əl → | jőrōl |
| irgə́xu → | ɪ́rgəxu → | jőrgəx |
| irʊ́ɣ al → | ɪ́rʊɣ al → | jőr ɔl |
| iráɣ ʊ → | ɪ́raɣ ʊ → | jár ʊ |
| ildʊ́m → | ɪ́ldʊm → | jőldəm |
| ilɣʊ́n → | ɪ́lɣʊn → | jőlɣən |
| ilɣá → | ɪ́lɣa → | jála ɣ |
| imáɣ a → | ɪ́maɣ a → | jám a |



| | |
|---|---|
| žə́mdəg → zəmdəg | žʊ́bá → zɔb |
| žáqa → zaq | žə́rgə → zarəg |
| žánʊqʊ → zanaq | žáb → zab |

(ž · č · š)

(1)

④ (ž · č · š)

| | |
|---|---|
| əlixu → əl'x | |
| gúbixu → gub'x | báxi → bəx' |
| qɔ́ri → qɔr' | tə́nigər → tən'gər |
| qʊ̆mi → qʊm' | qári → qar' |
| bʊ̆lgi → bʊlg' | ámi → am' |
| áxiqʊ → ax'q | žálgi → žalg' |
| qábi → qab' | dáxiqʊ → dax'q |
| qɔ́ni → qɔn' | tábi → tab' |
| m ɪ́ndasʊ → m'andas | qáni → qan' |
| g ɪ́lba → g'alab | m ɪ́ŋɣa → m'aŋɣ |

| | | | |
|---|---|---|---|
| [illegible] | š irqa → šarq | [illegible] | š irxəg → šarxəg |
| [illegible] | š igla → šagl | [illegible] | š ibar → šabar |
| [illegible] | č idur → čodər | [illegible] | č ilugə → čolō |
| [illegible] | č idal → čadal | [illegible] | č iməg → čaməg |
| [illegible] | čúmə → cum | [illegible] | č inar → čanar |
| [illegible] | čŏgla → cɤgal | [illegible] | čól → col |
| [illegible] | čáčəg → cacəg | [illegible] | čŏg → cɤg |
| [illegible] | čág → cag | [illegible] | čárig → carəg |
| [illegible] | ɤgži → ɤgž | [illegible] | čáb → cab |
| [illegible] | ážil → ažal | [illegible] | ɤáži → ɤaž |
| [illegible] | ž ilɤɤ ɤ → žol ɔ̄ | [illegible] | žira → žar |
| [illegible] | žil → žəl | [illegible] | ž irɤm → žɤram |
| [illegible] | ž ida → žad | [illegible] | ž igdə → žəgd |
| [illegible] | ž ilɤa → žalaɤ | [illegible] | ž irɤa → žaraɤ |
| [illegible] | žudəxu → zodəx | [illegible] | žug → zug |
| [illegible] | žɤn → zɤn | [illegible] | žubə → zob |
| [illegible] | žɔl → zɔl | [illegible] | žɤla → zɤl |



[illegible]

(5) [illegible]

| | | | |
|---|---|---|---|
| [illegible] | š itulgə → šutləg | | |
| [illegible] | š ilusu → šuls | [illegible] | š irbusu → šurəbs |
| [illegible] | š idɤrɤɤ → šɤdraɤ | [illegible] | š ibugə → šubəg |
| [illegible] | š irɤi → šɔrɔi | [illegible] | š ilɤɤ ɤn → šɤl ɤ̄n |
| [illegible] | š iridəg → šərdəg | [illegible] | š irɤla → šɔrəl |

[illegible]



[illegible]

[illegible]



[illegible]

(axɣa · aula · qaɣa)

1979

[illegible]



[illegible]

(2) [illegible]

① [illegible]

② [illegible]

③ [illegible]

④ [illegible]

[illegible]

(1) ⟨a⟩ [illegible]

23 [illegible]

[illegible]



(2) ⟨e⟩ [illegible]

[illegible]

[illegible]

[illegible] :: (θ) [illegible] :: [illegible] : [illegible] + [illegible]

[illegible] — [illegible] θ — [illegible] θ — [illegible] ([illegible]) [illegible] ::

[illegible] :

| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
|---|---|---|---|---|---|
| 1 | a | [illegible] | [illegible] | [illegible] | [illegible] |
| 2 | ə | [illegible] | [illegible] ([illegible]) | [illegible] ([illegible]) | [illegible] ([illegible]) |
| 3 | i | [illegible] | [illegible] | [illegible] | [illegible] |
| 4 | ɔ | [illegible] | [illegible] | [illegible] | \ |
| 5 | ʊ | [illegible] | [illegible] | [illegible] | [illegible] θ |
| 6 | o | [illegible] | [illegible] | [illegible] | \ |
| 7 | u | [illegible] | [illegible] | [illegible] | [illegible] θ |



[illegible]

[illegible] ::

[illegible] :

(1) ([illegible], [illegible], [illegible](ɔ), [illegible](ʊ), [illegible](u)) [illegible] ([illegible]) [illegible]

[illegible] :: [illegible] :

① [illegible] :

([illegible] — [illegible], [illegible] — [illegible], [illegible] — [illegible], [illegible] — [illegible], [illegible] — [illegible]) [illegible]

[illegible] ::

② [illegible] ([illegible] — [illegible], [illegible] — [illegible], [illegible] — [illegible], [illegible] — [illegible], [illegible] — [illegible]) [illegible]

[illegible] ([illegible] — [illegible], [illegible] — [illegible], [illegible] — [illegible], [illegible] — [illegible]) [illegible]

[illegible] — [illegible]) [illegible] ::

③ [illegible] ([illegible] — [illegible], [illegible] — [illegible], [illegible] — [illegible], [illegible] — [illegible]) [illegible] ([illegible]

[illegible] — [illegible], [illegible] — [illegible], [illegible] — [illegible], [illegible] — [illegible]) [illegible] ::

(2) ([illegible], [illegible]) [illegible] ([illegible] (ʊ)), ([illegible]) (u) [illegible]

[illegible] :: [illegible] :

① [illegible] ([illegible] — [illegible]) [illegible] — [illegible] :: ([illegible], [illegible])

[illegible]



[illegible]

[illegible]



[illegible]

[illegible]

② [illegible]

① [illegible]

(2) ⟨b⟩ [illegible]

[illegible]

④ ⟨ᠯ⟩ · ⟨ᠮ⟩ [illegible]



[illegible]

② [illegible]

① [illegible]

(4) ⟨x⟩ [illegible]

③ [illegible] ⟨ᠶ⟩ (a) [illegible]

② [illegible] (ɑ) [illegible]

① [illegible]

(3) ⟨ᠣ⟩ [illegible]

(1) [illegible]

(5) ⟨ɣ⟩ [illegible]

① [illegible]

② [illegible]

③ [illegible]

(6) ⟨g⟩ [illegible]

① [illegible] ⟨ᠭ⟩ [illegible]

② [illegible]

③ [illegible]

④ [illegible]



[illegible]

⑤ [illegible] ⟨ᠭ⟩ [illegible]

(7) ⟨m⟩ [illegible]

(8) ⟨l⟩ [illegible]

(9) ⟨r⟩ [illegible]

[illegible]

① : [illegible]

② : [illegible]

③ : [illegible]

④ : [illegible] ⟨⟩ [illegible] ⟨⟩  

⑤ : [illegible]



⑥ : [illegible]

[illegible] ( —    —   [illegible]) [illegible]

[illegible]

① : [illegible]

② : [illegible]

③ : [illegible]

④ : [illegible]

[illegible]

: [illegible]

: [illegible]

: [illegible]

[illegible]

| [illegible] | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | \ | \ | \ | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ([illegible]) | ([illegible]) | ([illegible]) | ([illegible]) | \ |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | n | b | q | x | ɣ | g | m | l | r | s | d | t | č | ž | š | j |
| [illegible] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

[illegible] :

[illegible] : [illegible] ··

[illegible] : [illegible]



[illegible] : [illegible]

[illegible] ·· [illegible] :

[illegible] ⟨[illegible]⟩ [illegible] ⟨[illegible]⟩ · ⟨[illegible]⟩ [illegible] (16) ⟨j⟩ [illegible]

[illegible] : [illegible] ··

[illegible] ⟨s⟩ [illegible] ⟨ši⟩ [illegible] ·· [illegible] ⟨s⟩ [illegible] ⟨[illegible]⟩ (i) [illegible] ⟨[illegible]⟩ (i) [illegible] :

③ [illegible] : [illegible]

② [illegible] : [illegible]

① [illegible] : [illegible]

[illegible] ⟨[illegible]⟩ [illegible] ·· [illegible] :

[illegible] ⟨[illegible]⟩ [illegible] ⟨[illegible]⟩ [illegible] (15) ⟨š⟩ [illegible]

② [illegible] : [illegible]

① [illegible] : [illegible]

[illegible] ⟨[illegible]⟩ [illegible] ·· [illegible] :

[illegible]

| [illegible] | | | | | | | |
|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | \ | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | \ | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | p | f | k | c | z | lh | h |



[illegible]

ᠨᠠ ᠂ ᠨ (ᠨᠠᠭ) ᠂ ᠳ (ᠳᠤᠭ) ᠂ ᠲᠤ (ᠵᠢᠪ) ᠂ ᠲᠤ (ᠯᠢᠪ) ᠂ ᠲᠤᠷ (ᠵᠢᠪ) ᠂ ᠲᠤᠷ (ᠯᠢᠪ) ᠭᠡᠬᠦ ᠮᠡᠲᠦ ᠶᠢᠨ ᠪᠠᠢᠳᠠᠯ ᠪᠠᠢᠷᠢᠯᠠᠯ ᠲᠠᠢ ᠲᠡᠭᠡ ᠶᠢ ᠣᠨᠴᠠ ᠲᠡᠷᠡ ᠲᠡᠷᠡ ᠪᠢᠴᠢᠯᠭᠡ ᠪᠢᠳᠡ ᠲᠡᠭᠦᠨ ᠲᠡᠷᠡ ᠬᠡᠯᠡ ᠪᠡ ᠳᠡ ᠠᠳᠠᠯᠢᠰᠬᠠᠬᠤ ᠦᠭᠡ ::

② ᠪᠣᠭᠣᠨᠢ ᠡᠭᠰᠢᠭ ᠲᠡᠢ ᠪᠠᠢᠷᠢᠯᠠᠯ ᠳᠦᠷᠢᠮ

ᠲᠡ ᠂ ᠲᠡᠭ ᠂ ᠲᠡᠭ ᠂ ᠲᠡᠭᠡ ᠂ ᠲᠡ ᠂ ᠲᠡᠭᠡ (ᠲᠡᠭᠡᠨ) ᠂ ᠲᠡᠭᠡ (ᠲᠡᠭᠡ) ᠂ ᠲᠡᠭᠡ (ᠲᠡᠭᠡ) ᠂ ᠲᠡ (ᠨᠡᠭ) ᠭᠡᠬᠦ ᠮᠡᠲᠦ ::

⟨ᠲᠡ⟩ ᠡᠭᠰᠢᠭ ᠦᠨ ᠡᠮᠦᠨ᠎ᠡ ⟨ᠲ⟩ ᠪᠣᠭᠣᠨᠢ ᠳᠠᠭᠤᠰᠬᠠᠯ ᠰᠤᠯᠠ ᠡᠭᠰᠢᠭ ᠪᠠᠢᠷᠢᠯᠠᠪᠠ ᠴᠤ ⟨ᠲᠡ⟩ ᠶᠢᠨ ᠲᠡᠮᠳᠡᠭ ᠢ ᠰᠣᠯᠢᠬᠤ ᠮᠡᠳᠡᠭᠳᠡᠬᠦᠨ
ᠠᠭᠤᠯᠤᠭ᠎ᠠ ᠶᠢ :

⟨ᠲ⟩ ᠪᠠᠢ ᠳᠠᠭᠤᠰᠬᠠᠯ ᠦᠭᠡ ::

③ ᠤᠷᠲᠤ ᠡᠭᠰᠢᠭ ᠲᠡᠢ ᠪᠠᠢᠷᠢᠯᠠᠯ ᠳᠦᠷᠢᠮ

ᠲᠤ (ᠲᠡ) (ᠰᠣᠯᠢ ᠪ) ᠂ ᠲᠤᠪ (ᠤ:) ᠭᠡᠬᠦ ᠮᠡᠲᠦ ::

⟨ᠲᠡ⟩ ᠶᠢᠨ ᠡᠮᠦᠨ᠎ᠡ ⟨ᠲ⟩ (i) ᠳᠠᠭᠤᠰᠬᠠᠯ ᠰᠤᠯᠠ ᠡᠭᠰᠢᠭ ᠪᠠᠢᠷᠢᠯᠠᠪᠠ ᠴᠤ ⟨ᠲᠡ⟩ ᠶᠢᠨ ᠲᠡᠮᠳᠡᠭ ᠢ ᠰᠣᠯᠢᠬᠤ ⟨ᠲᠤ ᠲ⟩ ᠣᠯᠪᠠ
ᠠᠭᠤᠯᠤᠭ᠎ᠠ ᠶᠢ :

ᠪᠣᠯᠤᠨᠠ ::

(2) ᠡᠭᠰᠢᠭ ᠭᠡᠶᠢᠭᠦᠯᠦᠭᠴᠢ ᠶᠢᠨ ᠪᠠᠢᠷᠢᠯᠠᠯ ᠳᠦᠷᠢᠮ

ᠲᠡᠭ ᠶᠢᠨ ᠡᠭᠰᠢᠭ ᠰᠤᠯᠠ ᠶᠢᠨ ᠭᠡᠶᠢᠭᠦᠯᠦᠭᠴᠢ ᠰᠠᠯᠠᠭᠠᠯᠠᠯ ᠪᠠᠢᠷᠢᠯᠠᠯ ᠳᠦᠷᠢᠮ ᠢ ᠡᠭᠰᠢᠭ ᠭᠡᠶᠢᠭᠦᠯᠦᠭᠴᠢ ᠳᠦᠷᠢᠮ ᠭᠡᠨ᠎ᠡ ::
ᠵᠢᠱᠢᠶ᠎ᠡ ᠨᠢ :

ᠲᠣᠭ ᠂ ᠲᠣᠪ (ᠲᠣᠪ) ᠂ ᠲᠣᠭ ᠂ ᠲᠣᠪ (ᠪᠠᠨ) ᠂ ᠲᠠᠯ ᠂ ᠲᠠᠯ (ᠠᠯ) ᠂ ᠲᠣᠯ ᠂ ᠲᠣᠯ (ᠪᠠᠨ) ᠂ ᠲᠣᠨ ᠂ ᠲᠣᠨ (ᠪᠣᠪ) ᠂ ᠲᠣᠭ

((ᠰᠣᠩᠭᠣᠭᠤᠯᠢ ᠪ) ᠂ ᠲᠡᠭ (ᠲᠡᠨ) ᠭᠡᠬᠦ ᠮᠡᠲᠦ ::



(3) ᠭᠡᠶᠢᠭᠦᠯᠦᠭᠴᠢ ᠡᠭᠰᠢᠭ ᠦᠨ ᠪᠠᠢᠷᠢᠯᠠᠯ ᠳᠦᠷᠢᠮ

ᠲᠡᠭᠦᠨ ᠡᠴᠡ ᠭᠡᠶᠢᠭᠦᠯᠦᠭᠴᠢ ᠰᠤᠯᠠ ᠶᠢᠨ ᠲᠡᠭ ᠶᠢᠨ ᠡᠭᠰᠢᠭ ᠦ ᠰᠠᠯᠠᠭᠠᠯᠠᠯ ᠪᠠᠢᠷᠢᠯᠠᠯ ᠳᠦᠷᠢᠮ ᠢ ᠭᠡᠶᠢᠭᠦᠯᠦᠭᠴᠢ ᠡᠭᠰᠢᠭ ᠳᠦᠷᠢᠮ
ᠭᠡᠨ᠎ᠡ :: ᠵᠢᠱᠢᠶ᠎ᠡ ᠨᠢ :

ᠬᠣ ᠂ ᠨᠠ — (ᠬᠣᠨᠠ) ᠂ ᠪᠣ ᠂ ᠷᠣ — (ᠪᠣᠷᠣ) ᠂ ᠪᠡ ᠂ ᠪᠡ — (ᠪᠡᠪᠡ)

ᠰᠠ ᠂ ᠷᠠ — (ᠰᠠᠷᠠ) ᠂ ᠰᠤ ᠂ ᠯᠠ — (ᠰᠤᠯᠠ) ᠂ ᠰᠤ ᠂ ᠷᠠ — (ᠰᠤᠷᠠ)

ᠬᠠ ᠂ ᠨᠠ — (ᠬᠠᠨᠠ) ᠂ ᠭᠠ ᠂ ᠯᠠ — (ᠭᠠᠯᠠ) ᠭᠡᠬᠦ ᠮᠡᠲᠦ ::

(4) ᠭᠡᠶᠢᠭᠦᠯᠦᠭᠴᠢ ᠂ ᠡᠭᠰᠢᠭ ᠂ ᠭᠡᠶᠢᠭᠦᠯᠦᠭᠴᠢ ᠶᠢᠨ ᠪᠠᠢᠷᠢᠯᠠᠯ ᠳᠦᠷᠢᠮ

ᠲᠡᠭᠦᠨ ᠡᠴᠡ ᠡᠮᠦᠨ᠎ᠡ ᠰᠤᠯᠠ ᠭᠡᠶᠢᠭᠦᠯᠦᠭᠴᠢ ᠳᠤᠮᠳᠠ ᠶᠢᠨ ᠲᠡᠭ ᠡᠭᠰᠢᠭ ᠬᠣᠢᠨ᠎ᠠ ᠪᠠᠢᠷᠢᠯᠠᠯ ᠳᠦᠷᠢᠮ ᠢ ᠭᠡᠶᠢᠭᠦᠯᠦᠭᠴᠢ ᠂ ᠡᠭᠰᠢᠭ ᠂
ᠭᠡᠶᠢᠭᠦᠯᠦᠭᠴᠢ ᠶᠢᠨ ᠪᠠᠢᠷᠢᠯᠠᠯ ᠳᠦᠷᠢᠮ ᠭᠡᠨ᠎ᠡ :: ᠵᠢᠱᠢᠶ᠎ᠡ ᠨᠢ :

ᠰᠠᠷ (ᠰᠠ ᠂ ᠷ ᠂ ᠷ) ᠂ ᠣᠷ (ᠣ ᠂ ᠷ ᠂ ᠷ) ᠂ ᠮᠣᠷᠢ (ᠮᠣ ᠂ ᠷ ᠂ ᠢ) ᠂

ᠭᠠᠷ (ᠭᠠ ᠂ ᠷ ᠂ ᠷ) ᠂ ᠲᠣᠷᠤᠭ (ᠲᠣ ᠂ ᠷᠤ ᠂ ᠭ) ᠭᠡᠬᠦ ᠮᠡᠲᠦ ::

ᠲᠡᠭᠦᠨ ᠦ ᠪᠠᠢᠳᠠᠯ ᠢ ᠠᠩᠬᠠᠷᠤᠯᠪᠠᠯ ᠡᠭᠰᠢᠭ ᠦᠨ ᠳᠤᠮᠳᠠ ᠬᠣᠢᠨ᠎ᠠ ᠶᠢᠨ ᠲᠡᠭ ᠡᠭᠰᠢᠭ ᠦᠨ ᠪᠠᠢᠷᠢᠯᠠᠯ ᠢ ᠲᠣᠳᠤᠷᠬᠠᠢ ᠪᠣᠯᠭᠠᠬᠤ ᠶᠢᠨ ᠲᠤᠯᠠ ᠪᠢᠴᠢᠬᠦ ᠳᠦᠷᠢᠮ ᠲᠡᠢ ᠪᠡᠷ ᠪᠣᠯᠭᠠᠬᠤ ᠶᠢᠨ ᠲᠤᠯᠠ ᠲᠡᠭᠦᠨ ᠢ ᠪᠢᠴᠢᠬᠦ ᠳᠦᠷᠢᠮ ᠲᠡᠢ ᠪᠣᠯᠭᠠᠬᠤ ᠶᠢᠨ ᠲᠤᠯᠠ ᠪᠢᠴᠢᠬᠦ ᠳᠦᠷᠢᠮ ᠲᠡᠢ ᠪᠢᠯᠡ :: ᠵᠢᠱᠢᠶᠡᠯᠡᠪᠡᠯ : ᠲᠡᠷᠡ ᠪᠡ ᠂ ᠪᠤᠰᠤᠳ ᠲᠡᠷᠡ ᠶᠢᠨ ᠠᠩᠬᠠᠷᠤᠯ ᠰᠢᠨᠵᠢ ᠭᠡᠶᠢᠭᠦᠯᠦᠭᠴᠢ ᠶᠢᠨ ᠪᠠᠢᠳᠠᠯ ᠢ ᠲᠣᠳᠤᠷᠬᠠᠢᠯᠠᠬᠤ ᠲᠡᠷᠡ ᠭᠡᠶᠢᠭᠦᠯᠦᠭᠴᠢ ᠡᠭᠰᠢᠭ ᠦᠨ ᠪᠠᠢᠷᠢᠯᠠᠯ ᠢ ᠠᠩᠬᠠᠷᠤᠯᠤᠭᠰᠠᠨ ᠲᠠᠯ᠎ᠠ ᠨᠢ :: ᠵᠢᠱᠢᠶ᠎ᠡ ᠨᠢ : ᠮᠣᠷᠢᠳ — ᠮᠣᠷᠢ ᠳ ᠂ ᠮᠣᠷᠢᠲᠠᠢ — ᠮᠣ ᠷᠢ ᠲᠠᠢ ᠂ ᠠᠷᠪᠠᠨ — ᠠᠷ ᠪᠠ ᠨ ᠂

ᠣᠷᠣᠨ — ᠣᠷᠣ ᠨ ᠭᠡᠬᠦ ᠮᠡᠲᠦ ::

(2) [illegible]

| | |
|---|---|
| [illegible] | (ə) (u) (i) |
| [illegible] | (a) (ʊ) (i) |
| [illegible] | [illegible] |

[illegible]

u ə, u ə, u u u, u i ə u, i ə, i ə u, i i ə u, i i ə u [illegible] ::

ə ə, ə ə, ə u ə, ə i u, o u ə, o ə, o ə, o u [illegible]

[illegible] (u) [illegible] :

② [illegible]

ʊ a a, ʊ ʊ, ʊ i a, i a a, i a a, i ʊ [illegible] ::

a a a ʊ, a ʊ, a i ʊ, a ʊ a, ɔ a, ɔ i a ʊ, ɔ i ʊ

[illegible] (ɪ) [illegible] :

① [illegible] (ɔ) [illegible] (ʊ) [illegible] :

[illegible]

(1) [illegible]

[illegible]

① [illegible] ② [illegible] (ə˜ g) [illegible] ③ [illegible] (g˜ ə) [illegible] ④ [illegible] (g˜ ə˜ g) [illegible] :

① ⟨n⟩ [illegible] :

[illegible] ::

[illegible] ⟨ᠰ · ᠱ · ᠣ (x) · ᠹ · ᠵ · ᠶ · ᠽ⟩ [illegible] + · ᠳ (d)⟩ [illegible]

[illegible] ⟨ᠩ · ᠪ · ᠣ (g) · ᠬ · ᠭ · ᠷ · ᠯ · ᠮ⟩ [illegible] ::

[illegible]



[illegible] $\frac{g\ m}{}$ [illegible] · [illegible] $\frac{g\ m}{}$ [illegible] · [illegible] $\frac{g\ l}{}$ [illegible] · [illegible] $\frac{g\ l}{}$ [illegible] ·

[illegible] $\frac{g\ b}{}$ [illegible] · [illegible] $\frac{g\ x}{}$ [illegible] · [illegible] $\frac{g\ x}{}$ [illegible] · [illegible] ·

[illegible] :: [illegible] :

[illegible] ⟨ᠪ · ᠣ (x) · ᠬ · ᠭ · + · ᠳ (d) · ᠲ (t) · ᠵ · ᠶ · ᠽ⟩ [illegible]

③ ⟨g⟩ [illegible]

[illegible] — $\frac{b\ d}{}$ [illegible] · [illegible] — $\frac{b\ t}{}$ [illegible] · [illegible] — $\frac{b\ \check{c}}{}$ [illegible] · [illegible] — $\frac{b\ \check{z}}{}$ [illegible] ::

[illegible] — $\frac{b\ q}{}$ [illegible] · [illegible] — $\frac{b\ x}{}$ [illegible] · [illegible] — $\frac{b\ l}{}$ [illegible] · [illegible] — $\frac{b\ s}{}$ [illegible] ·

[illegible] :: [illegible] :

[illegible] ⟨ᠰ · ᠣ (x) · ᠭ · + · ᠳ (d) · ᠲ (t) · ᠵ · ᠶ · ᠽ⟩ [illegible]

② ⟨b⟩ [illegible]

[illegible] — $\frac{n\ \check{c}}{}$ [illegible] · [illegible] — $\frac{n\ \check{c}}{}$ [illegible] · [illegible] — $\frac{n\ \check{z}}{}$ [illegible] · [illegible] — $\frac{n\ \check{z}}{}$ [illegible] ::

[illegible] — $\frac{n\ d}{}$ [illegible] · [illegible] — $\frac{n\ d}{}$ [illegible] · [illegible] — $\frac{n\ t}{}$ [illegible] · [illegible] — $\frac{n\ t}{}$ [illegible] ·

[illegible] :: [illegible] :

[illegible] ⟨ᠳ (d) · ᠲ (t) · ᠵ · ᠶ⟩ [illegible]

[illegible] — ms [illegible] ::

[illegible] — mt [illegible] , [illegible] — mt [illegible] , [illegible] — mč [illegible] , [illegible] — mž [illegible] ,

[illegible] — mq [illegible] , [illegible] — mx [illegible] , [illegible] — ml [illegible] , [illegible] — ms [illegible] ,

[illegible] — mn [illegible] , [illegible] — mn [illegible] , [illegible] — mb [illegible] , [illegible] — mb [illegible] ,

[illegible] :: [illegible] :

[illegible] (t) , (d) , (x) , (g) [illegible]

④ ⟨m⟩ [illegible]

⟨[illegible]⟩ [illegible] ⟨g⟩ [illegible] ::

[illegible]

※ ⟨g⟩ , ⟨x⟩ [illegible] ::

[illegible] — gs [illegible] — gs [illegible] ::

[illegible] — gč [illegible] — gč [illegible] , [illegible] — gž [illegible] , [illegible] — gž [illegible] ,

[illegible] — gd [illegible] — gd [illegible] , [illegible] — gt [illegible] — gt [illegible] ,



[illegible] ⟨r⟩ , (t) , (d) , (x) [illegible]

⑦ ⟨s⟩ [illegible]

[illegible] — rt [illegible] , [illegible] — rč [illegible] , [illegible] — rž [illegible] , [illegible] — rš [illegible] ::

[illegible] — rg [illegible] , [illegible] — rl [illegible] , [illegible] — rs [illegible] , [illegible] — rd [illegible] ,

[illegible] — rb [illegible] , [illegible] — rq [illegible] , [illegible] — rx [illegible] , [illegible] — rx [illegible] ,

[illegible] :

[illegible] (t) , (d) , (g) , (x) [illegible]

⑥ ⟨r⟩ [illegible]

[illegible] — lt [illegible] , [illegible] — lč [illegible] , [illegible] — lž [illegible] ::

[illegible] — lg [illegible] , [illegible] — ls [illegible] , [illegible] — ld [illegible] ,

[illegible] — lb [illegible] , [illegible] — lx [illegible] , [illegible] — lq [illegible] ,

[illegible] :

[illegible] :: [illegible]

[illegible] (t) , (d) , (g) , (x) [illegible]

[illegible] ::

[illegible] ::

[illegible] — [illegible] $^{d}_{t}$ , [illegible] — [illegible] $^{d}_{\check{c}}$ [illegible] ::

[illegible] — [illegible] $^{d}_{b}$ , [illegible] — [illegible] $^{d}_{q}$ , [illegible] — [illegible] $^{d}_{x}$ , [illegible] — [illegible] $^{d}_{d}$ ,

[illegible] :: [illegible] :

[illegible] (x) , [illegible] (p) , [illegible] (t) , [illegible]

⑧ ⟨d⟩ [illegible]

[illegible] $^{s}_{t}$ , [illegible] $^{s}_{\check{c}}$ [illegible] ::

[illegible] — [illegible] $^{s}_{b}$ , [illegible] $^{s}_{q}$ , [illegible] $^{s}_{x}$ , [illegible] $^{s}_{d}$ ,

[illegible] :: [illegible] :



| [illegible] | 1 | 6 | 6 | 7 | 2 | 2 | 1 | 5 | 0 | 5 | 8 | 8 | 8 | 6 | 4 | 0 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 d ᠳ | | ᠪ | ᠬ | ᠭ | | | | | | | ᠳ | ᠲ | ᠴ | | | | 6 |
| 7 ᠰ | | ᠪ | ᠬ | ᠭ | | | | | | | ᠳ | ᠲ | ᠴ | | | | 6 |
| 6 ᠷ | | ᠪ | ᠬ | ᠭ | ᠬ | ᠭ | | ᠯ | | ᠰ | ᠳ | ᠲ | ᠴ | ᠵ | ᠱ | | 12 |
| 5 ᠯ | | ᠪ | ᠬ | ᠭ | ᠬ | ᠭ | | ᠯ | | ᠰ | ᠳ | ᠲ | ᠴ | ᠵ | | | 11 |
| 4 ᠮ | ᠨ | ᠪ | ᠬ | ᠭ | | | | ᠯ | | ᠰ | ᠳ | ᠲ | ᠴ | ᠵ | ᠱ | | 11 |
| 3 g ᠭ | | ᠪ | | ᠭ | | | ᠮ | ᠯ | | ᠰ | ᠳ | ᠲ | ᠴ | ᠵ | ᠱ | | 10 |
| 2 ᠪ | | | ᠬ | ᠭ | | | | ᠯ | | ᠰ | ᠳ | ᠲ | ᠴ | ᠵ | ᠱ | | 9 |
| 1 n ᠨ | | | | | | | | | | | ᠳ | ᠲ | ᠴ | ᠵ | | | 4 |
| | ᠨ | ᠪ | ᠬ | ᠭ | ᠬ | ᠭ | ᠮ | ᠯ | ᠷ | ᠰ | ᠳ | ᠲ | ᠴ | ᠵ | ᠱ | ᠶ | [illegible] |
| | n | b | q | x | ɣ | g | m | l | r | s | d | t | č | ž | š | j | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | |

[illegible]

(1)

(2)



②

①

(3)

(n)

②

[illegible]



[illegible]

[illegible]

③ [illegible]



[illegible]

① [illegible]

② [illegible]

③ [illegible]

④ [illegible]

⑤ [illegible]

⑥ [illegible]

⑦ [illegible]

⑧ [illegible]

⑨ [illegible]

[illegible]

① [illegible]

② [illegible]

③ [illegible]

④ [illegible]

⑤ [illegible]

⑥ [illegible]

⑦ [illegible]

⑧ [illegible]

[illegible]

⑩ [illegible]



[illegible]

⑩ [illegible]

⑪ [illegible]

[illegible]



② [illegible]

① [illegible]

(2) [illegible]

③ [illegible]

② [illegible]

① [illegible]

(1) [illegible]

[illegible]

[illegible] ::

(1) [illegible] :: [illegible] :

[illegible]

[illegible] ::

[illegible] + [illegible] = [illegible] + [illegible] = [illegible]

[illegible] + [illegible] = [illegible] + [illegible] = [illegible]

[illegible] + [illegible] = [illegible] + [illegible] = [illegible]

[illegible] + [illegible] = [illegible] + [illegible] = [illegible] .

[illegible] :: [illegible] :

[illegible] :

[illegible] ::

③ [illegible] ~ [illegible] : [illegible] ,



[illegible] ::

[illegible] :: [illegible] :

② ⟨c⟩ (i)

[illegible] ::

[illegible] :: [illegible] :

① ⟨ji⟩ (ji)

[illegible] ::

(2) [illegible] ::

[illegible] ::

[illegible] :: [illegible] :

② ⟨jin⟩ (jin)

[illegible] ::

[illegible] :: [illegible] :

[illegible] ⟨√⟩ (n) [illegible]

㊀ (ᠤ~ u)

(3) [illegible] ⟨[illegible]~[illegible]⟩ , ⟨[illegible]~[illegible]⟩ [illegible] ::

① [illegible] : [illegible] ⟨[illegible] (n) , [illegible] (ŋ) , [illegible] , [illegible]⟩ [illegible] ::

[illegible] ::

② [illegible] : [illegible] ⟨[illegible] , [illegible] , [illegible] , [illegible] , [illegible] , [illegible]⟩ [illegible] ::

[illegible] ::

(4) [illegible] ⟨[illegible] , [illegible]⟩ [illegible] ::

① [illegible] (bar~bər) :

[illegible] ::

② [illegible] (jin)

[illegible] ::



(5) [illegible] ⟨[illegible]⟩ [illegible] ::

[illegible] ::

(6) [illegible] ⟨[illegible]⟩ [illegible] ::

[illegible] ::

① [illegible] ⟨[illegible] , [illegible]⟩ [illegible] ⟨[illegible]⟩ (a~ə) [illegible] :

[illegible] ::

② [illegible] ⟨[illegible] , [illegible]⟩ [illegible] ::

[illegible] ::

③ [illegible] ⟨[illegible]⟩ [illegible] ⟨[illegible]⟩ [illegible] ::

[illegible] ::

[illegible]

[illegible] ⑤ [illegible]

[illegible] ④ [illegible]

[illegible]



[illegible] (xi~xin) [illegible]

(2) [illegible]

② [illegible]

① [illegible]

[illegible] (ban~ bən) ، [illegible] (ijən) [illegible]

(1) [illegible]

[illegible]

(3) [illegible]

(2) [illegible]

(1) [illegible]

[illegible]



③ [illegible]

② [illegible]

① [illegible]

③ [illegible]

② [illegible]

① [illegible]

(3) [illegible]

[illegible] ::

(5) [illegible]

[illegible] ⟨……⟩ [illegible] ::

(6) [illegible]

[illegible] ⟨?⟩ [illegible] ::

(7) [illegible]

[illegible] ⟨!⟩ [illegible] ::

(8) [illegible]

[illegible] ⟨ ⟩ [illegible] ::

(9) [illegible]

[illegible] 《》 [illegible] ::

(10) [illegible]



[illegible] ( ) [illegible] ::

(11) [illegible]

[illegible] ⟨~⟩ [illegible] ::

(12) [illegible]

[illegible] ⟨—⟩ [illegible] ::

(13) [illegible]

[illegible] ⟨→⟩ [illegible] ::

[illegible] ⟨+ — ÷ %⟩ [illegible] ::

[illegible]

1987

[illegible]



[illegible]

| [illegible] | ᠠ | ᠡ | ᠢ | ᠣ | ᠤ | ᠥ | ᠦ |
|---|---|---|---|---|---|---|---|
| [illegible] | a | ə | i | ɔ | ʊ | o | u |
| [illegible] | a: , ʊ: , a , ɔ , | ə: , u: , ə , u , | ə , u , j , ɔ , ʊ , i , i: , | ɔ , ɔ: , | ʊ: , ʊ , | ɔ: , u , | u: , u , |
| [illegible] | ə̆ , a: , | u: , ə: , | ə̆ , i: , | \ | ə , ʊ: , | \ | ə̆ , u , |
| [illegible] | a: | ə: | i: | \ | ʊ: | \ | u: |

[illegible]

1 : 1. [illegible]

| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
|---|---|---|---|---|---|
| [illegible] | jasʊ | jah | [illegible] | ábləxu | əbləx |
| [illegible] | čásʊ | cáh | [illegible] | dʒásaqʊ | dzahaq |
| [illegible] | báɤ — (a) | báɤ | [illegible] | báq — (a) | báq |
| [illegible] | ábqʊ | ábaq | [illegible] | nár — (a) | nár |



| | | | | | |
|---|---|---|---|---|---|
| [illegible] | móru | mor | [illegible] | tóruxu | torəx |
| [illegible] | ʊ̆liqʊ | ʊl'q | [illegible] | bóxə | bux |
| [illegible] | sʊ̆ɤʊ | hʊɤ | [illegible] | dʒʊ̆la | dzʊl |
| [illegible] | ʊ̆nʊqʊ | ʊnaq | [illegible] | ɤʊ̆tʊl | ɤʊtəl |
| [illegible] | čʊ̆gtʊ | sɔgt | [illegible] | dʒʊ́lɤʊqʊ | dzɔlɤɔq |
| [illegible] | qóni | qɔn' | [illegible] | sóliqʊ | hɔliq |
| [illegible] | bógčʊ | bɔgs | [illegible] | qóla | qɔl |
| [illegible] | órʊn | ɔrɔŋ | [illegible] | nógtʊ | nɔgt |
| [illegible] | gisgixu | gišgəx | [illegible] | óldʒa | ɔldz |
| [illegible] | bičig | bišəg | [illegible] | xili | xil |
| [illegible] | nimgən | nimgən | [illegible] | nisxu | nidəx |
| [illegible] | imnəxu | imnəx | [illegible] | ičixu | išəx |
| [illegible] | čəčəg | səsəg | [illegible] | ibəxu | ibəx |
| [illegible] | sərixu | hərəx | [illegible] | dálgər | dəlgər |
| [illegible] | gərləxu | gərləx | [illegible] | gəmtuxu | gəmtəx |
| [illegible] | báləg | bələg | [illegible] | xərəm | xərəm |
| [illegible] | [illegible] | əxnər | [illegible] | nárələxu | nərləx |

[illegible] 1 : 2. [illegible] (o) [illegible] (o) [illegible] (o) [illegible] (u) [illegible] (u) [illegible] (o) [illegible]

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | súxə | hux | | | |
| [illegible] | núxə | nux | [illegible] | búsə | buh |
| [illegible] | új — ə | uj | [illegible] | úr — ə | ur |



| | | | | | | | |
|---|---|---|---|---|---|---|---|
| [illegible] | nidú | niúd | n'ud | [illegible] | nigúl | niúgəl | nugəl |
| [illegible] | nidɤ̆rɤ — a | niɤ̆drạɤ | n'ɤ̆drəɤ | [illegible] | niɤɤ̆:qɤ | niɤ̆:ɤɤq | n'ɤ:q |
| [illegible] | irgə́ | iárəg | jərəg | [illegible] | irúgəxu | iúrgəx | jorgəx |
| [illegible] | ir — ə́ | iə́r | jər | [illegible] | irmə́g | iə́rməg | jərməg |
| [illegible] | ildə̆m | iə̆ldạm | jə̆ldəm | [illegible] | iɤɤ̆ča | iɤ̆ɤč | jɤɤs |
| [illegible] | irɤ̆ɤɤ:l | iɤ̆rɤal | jɔrɔ:l | [illegible] | ilɤɤ̆n | iɤ̆lɤạn | jɤ̆lɤạn |
| [illegible] | ilɤáqɤ | iálɤaq | jalɤạq | [illegible] | irágląqɤ | iárəgləq | jarạgləq |

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | iláɤ — a: | jala: | [illegible] | imáɤ — a: | jama: |
| [illegible] | ərgúxu | urgəx | [illegible] | əlgúxu | ul'gəx |
| [illegible] | əbúdug | ubdəg | [illegible] | ədúr | odər |
| [illegible] | ərúxə | urx | [illegible] | əbúl | ugəl |
| [illegible] | tamɤ̆qɤ | təməq | [illegible] | əbúgən | ubgəŋ |
| [illegible] | aqɤ̆r | ɔ:dəŋ | [illegible] | abɤ̆ri | əbər |
| | | ɔqər ~ | | | |

[illegible]

1 :3. [illegible]

[illegible]

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| [illegible] | xiŋɤ — á | xiáŋɤa | xʲaŋɤ | [illegible] | gilɤár | giálɤar | gʲalɤar |
| [illegible] | xilbár | xiálbar | xʲalbar | [illegible] | xir — á | xiár | xʲar |
| [illegible] | nigtá | niágt | nʲagt | [illegible] | ximdá | xiámd | xʲamd |
| [illegible] | nilq — á | niálqa | nʲalq | [illegible] | nimbái | nʲámbai | nʲambai |
| [illegible] | miq — a | miáq | maq | [illegible] | miŋɤ — á | miáŋɤa | mʲaŋɤ |
| [illegible] | čiqɤ̆l | čiɤ̆qal | sɤqal | [illegible] | čidxúr | čiúdxur | šotgər |
| [illegible] | čidál | čiádal | šadal | [illegible] | čiməgə: | čiəmgə: | šəmə: |
| [illegible] | dʒirɤ́m | dʒiɤ̆rɑm | dʒɤrɑm | [illegible] | dʒirúxə | dʒiúrxə | zorx |
| [illegible] | dʒigdə́ | dʒiə́gd | dʒəgd | [illegible] | dʒilɤ́ɤɤ: | dʒiɤ̆lɤɤ: | dʒolɔ: |
| [illegible] | širú | šiúr | šur | [illegible] | dʒida | dʒiád | dʒad |
| [illegible] | šilɤ̆ɤɤ:n | šiɤ̆lɤɤ:n | šɤlɤ:n | [illegible] | šidú | šiúd | šud |
| [illegible] | širə́gə: | šiə́rgə: | šərə: | [illegible] | širɤ̆i | šiɤ̆rɤi | šɔrɔi |
| [illegible] | ničugún | nuúčgən | nusgən | [illegible] | šbár | šiábar | šabar |



[illegible]

1 : 4. [illegible]

[illegible]

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| [illegible] | čəgə | čəg — ə: | səgə: | [illegible] | xixu | xi:xu | xi:x |
| [illegible] | gər — ə | gər — ə: | gərə: | [illegible] | gəgə | gəgə: | gəgə: |
| [illegible] | iɤan | iɤa:n | jaɤa:ŋ | [illegible] | ur | u:r | u:r |
| [illegible] | mani | ma:ni | ma:nʲ | [illegible] | čaɤan | čaɤa:n | saɤa:ŋ |
| [illegible] | aɤar | aɤa:r | aɤa:r | [illegible] | bar — a | bar — a: | bara: |

[illegible]

| | | | | | |
|---|---|---|---|---|---|
| ᠡᠵᠡᠲᠡᠢ | ədʒətəi | əzti: | ᠭᠡᠮᠲᠡᠢ | gəmtəi | gəmti: |
| ᠠᠵᠠᠲᠠᠢ | adʒatai | azti: | ᠠᠵᠢᠲᠠᠢ | adʒitai | adʒti: |

(tai~təi) ᠳᠠᠭᠠᠪᠤᠷ ᠦᠨ ᠬᠣᠣᠰ ᠡᠭᠡᠰᠢᠭ ᠢ ᠴᠠᠬᠠᠷ ᠠᠶᠠᠯᠭᠤ ᠶᠠᠷᠢᠶᠠᠨ ᠳᠤ ᠪᠠᠰᠠ ᠤᠷᠲᠤ 〈ᠢ〉 (i:) ᠪᠠᠰᠠ ᠭᠡᠳᠡᠭ :: ᠵᠢᠱᠢᠶ᠎ᠡ ᠨᠢ :

2 : 3. ᠪᠢᠴᠢᠭ ᠦᠨ ᠬᠡᠯᠡ ᠦ ᠳᠠᠭᠠᠪᠤᠷ ᠦᠭᠡ ᠶᠢᠨ 〈ᠡᠢ〉 (tai~təi) ᠪᠣᠭᠣᠨᠢᠰᠬᠠᠯ ᠪᠣᠯ ᠳᠠᠷᠠᠭ᠎ᠠ ᠤᠷᠲᠤ ᠶᠢᠨ 〈ᠡᠢ〉

ᠡᠨᠡ ᠮᠡᠲᠦ ::

| | | | | | | |
|---|---|---|---|---|---|---|
| ᠪᠡᠭᠡᠯᠡᠢ | bəgəːləi | → | bəːliː | | | |
| ᠭᠡᠢᠭᠦᠯᠬᠦ | gəiguːlxu | → | giːguːləx | ᠨᠡᠬᠡᠢ | nəxəi | → nəxiː |
| ᠡᠢᠮᠦ | əimu | → | iːm | ᠲᠡᠢᠮᠦ | təimu | → tiːm |

ᠬᠤᠪᠢᠷᠠᠭᠳᠠᠬᠤ ᠪᠣᠯᠤᠨ᠎ᠠ :: ᠵᠢᠱᠢᠶ᠎ᠡ ᠨᠢ :

2 : 2. ᠪᠢᠴᠢᠭ ᠦᠨ ᠬᠡᠯᠡ ᠦ 〈ᠠ ᠶᠢ〉 ᠶᠢᠨ ᠬᠣᠣᠰ ᠨᠢ ᠴᠠᠬᠠᠷ ᠠᠶᠠᠯᠭᠤ ᠶᠠᠷᠢᠶᠠᠨ ᠳᠤ ᠪᠠᠭᠠᠰᠬᠠᠯ ᠤᠷᠲᠤ 〈ᠠ〉 ᠪᠣᠯ

ᠡᠨᠡ ᠮᠡᠲᠦ ::

| | | | | | |
|---|---|---|---|---|---|
| ᠬᠤᠶᠢᠯᠠᠭᠤ | qʊilaqʊ | qʊilaq | ᠪᠤᠶᠢᠯᠠᠭᠤ | bʊilaqʊ | bʊilaq |
| ᠨᠣᠶᠢᠷ | nɔir | nɔir | ᠤᠶᠢᠳᠬᠤ | ʊidqʊ | ʊidaq |
| ᠣᠶᠢ | ɔi | ɔi | ᠬᠣᠶᠢᠨ᠎ᠠ | qɔin—a | qɔina |
| ᠵᠠᠶᠢᠯᠠᠭᠤ | dʒailaqʊ | zailaq | ᠴᠠᠶᠢᠯᠠᠭᠤ | čailaqʊ | sailaq |
| ᠯᠠᠶᠢᠳᠠᠭᠤ | laidaqʊ | laidaq | ᠳᠠᠶᠢᠯᠠᠭᠤ | dailaqʊ | dailaq |
| ᠭᠠᠶᠢᠬᠠᠯ | ɣaiqal | ɣaiqal | ᠮᠠᠶᠢᠳᠠᠭᠤ | maidaqʊ | madaq |



| | | | | | |
|---|---|---|---|---|---|
| ᠬᠠᠶᠢᠷ᠎ᠠ | qair—a | qair | ᠪᠠᠷᠢ | bari | bair |
| ᠠᠶᠢᠯ | ail | ail | ᠨᠠᠶᠢᠷ | nair | nair |

ᠬᠣᠣᠰ ᠡᠭᠡᠰᠢᠭ ᠴᠠᠬᠠᠷ ᠠᠶᠠᠯᠭᠤ ᠶᠠᠷᠢᠶᠠᠨ ᠳᠤ ᠬᠡᠪ ᠢᠶᠡᠨ ᠬᠠᠳᠠᠭᠠᠯᠠᠭᠰᠠᠨ ᠪᠣᠯ ᠬᠤᠪᠢᠷᠠᠯ ᠦᠭᠡᠢ ᠪᠠᠰᠠ ᠬᠤᠪᠢᠷᠠᠭᠳᠠᠬᠤ ᠪᠣᠯᠤᠨ᠎ᠠ :: ᠵᠢᠱᠢᠶ᠎ᠡ ᠨᠢ :

2 :1. ᠪᠢᠴᠢᠭ ᠦᠨ ᠬᠡᠯᠡ ᠦ 〈ᠠᠢ (ai)〉・〈ᠣᠢ (ɔi)〉・〈ᠣᠢ (ʊi)〉・〈ᠤᠢ (ui)〉 ᠵᠡᠷᠭᠡ ᠳᠦᠷᠪᠡᠨ ᠬᠣᠣᠰ ᠪᠢᠴᠢᠭ ᠦᠨ ᠬᠡᠯᠡ ᠦ ᠬᠣᠣᠰ ᠡᠭᠡᠰᠢᠭ ᠦᠳ ᠨᠢ ᠴᠠᠬᠠᠷ ᠠᠶᠠᠯᠭᠤ ᠶᠠᠷᠢᠶᠠᠨ ᠳᠤ ᠳᠠᠩ ᠡᠭᠡᠰᠢᠭ ᠪᠣᠯᠵᠤ ᠬᠤᠪᠢᠷᠠᠭᠳᠠᠬᠤ ᠪᠣᠯᠤᠨ᠎ᠠ ::

## ᠬᠣᠶᠠᠷ᠂ ᠬᠣᠣᠰ ᠡᠭᠡᠰᠢᠭ ᠦᠨ ᠬᠤᠪᠢᠷᠠᠯᠲᠠ

ᠡᠨᠡ ᠮᠡᠲᠦ ᠪᠡᠷ ᠦᠭᠡ ᠶᠢᠨ ᠡᠬᠢᠨ ᠪᠦᠭᠦᠢᠯᠡᠭᠴᠢ ᠦᠭᠡ ᠶᠢᠨ ᠳᠤᠮᠳᠠ ᠳᠤ ᠰᠢᠯᠵᠢᠭᠦᠯᠦᠨ ᠪᠢᠴᠢᠭᠳᠡᠯ ᠦᠨ ᠬᠤᠪᠢᠷᠠᠭᠳᠠᠬᠤ ᠪᠣᠯᠤᠨ᠎ᠠ ::

| | | | | | |
|---|---|---|---|---|---|
| ᠪᠡᠷᠬᠡ | bərxə | bərx | | | |
| ᠦᠵᠦᠭ | udʒug | uzəg | ᠲᠡᠷᠭᠡ | tərgə | tərəg |
| ᠬᠦᠬᠦᠬᠦ | xuxuxu | xuxəx | ᠮᠦᠷᠭᠦᠬᠦ | murguxu | murgəx |
| ᠮᠡᠷᠭᠡᠨ | mərgən | mərgəŋ | ᠬᠦᠰᠡᠯ | xusəl | xuhəl |
| ᠪᠣᠳᠤᠭᠤ | bɔdʊqʊ | bɔdəq | ᠡᠷᠡᠯᠬᠡᠭ | ərəlxəg | ərəlxəg |
| ᠪᠢᠴᠢᠬᠦ | bičixu | bišəx | ᠰᠠᠨᠠᠭᠤ | sanaqʊ | hanaq |
| ᠡᠷᠢᠯ | əril | ərəl | ᠡᠷᠴᠢᠮ | ərčim | əršəm |

ᠨᠢ :

ᠠᠮᠢᠨ ᠤ ᠪᠠᠷᠢᠴᠠ ᠬᠤᠭᠤᠷᠤᠮᠵᠢᠯᠠᠭᠰᠠᠨ ᠪᠣᠳᠣ ᠡᠭᠡᠰᠢᠭ ᠦᠨ ᠲᠣᠭᠣᠯᠠᠯ ᠤᠨ ᠪᠠᠷᠢᠴᠠ ᠠᠯᠳᠠᠭᠳᠠᠭᠰᠠᠨ ᠡᠭᠡᠰᠢᠭ ᠠᠯᠳᠠᠭᠳᠠᠬᠤ ᠪᠣᠯᠤᠨ᠎ᠠ :: ᠵᠢᠱᠢᠶ᠎ᠡ

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | ajɤqɤ | aiq | [illegible] | ajɤmaqai | aimqai |

〈[illegible]〉 (j) [illegible] :

2 : 5. [illegible] 〈[illegible] · [illegible]〉 (ɤ · u) [illegible]

[illegible] ::

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | ərəu | uru: | | | |
| [illegible] | təuxə | tu:x | [illegible] | səuxə | hu:x |
| [illegible] | taɤlai | tɤ:lai | [illegible] | xəuxən | xu:gəŋ |
| [illegible] | qaɤli | qɤ:lʲ | [illegible] | ɤaɤli | ɤɤ:lʲ |

[illegible] :

[illegible] 〈ɤ: · u:〉 [illegible]

2 : 4. [illegible] 〈[illegible] · [illegible]〉 (a · ɤ) [illegible] 〈[illegible] · [illegible]〉 (ə · u) [illegible]

[illegible] ::

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | gər təi | gərti: | | | |
| [illegible] | ɤsɤ tai | ɤhti: | [illegible] | usu təi | uhti: |
| [illegible] | mɔri tai | mɔrʲti: | [illegible] | mɔdɔ tai | mɔdti: |
| [illegible] | ɔdɤtai | ɔdti: | [illegible] | mɔritai | mɔrʲti: |
| [illegible] | ɤsɤtai | ɤhti: | [illegible] | usutəi | uhti: |



[illegible]

[illegible] · [illegible]

[illegible] ::

| | | | | | |
|---|---|---|---|---|---|
| [illegible] ([illegible]) | qɤwa | qʷa: | | | |
| [illegible] | saraŋɤɤa | saraŋɤʷa: | [illegible] | ɤɤwa | ɤʷa: |
| [illegible] | ɤɤɤa | ɤʷa: | [illegible] | liŋqɤa | liaŋqʷa |

[illegible] 〈[illegible]〉 (a:) [illegible] :

2 : 6. [illegible] 〈[illegible]〉 (ɤa) [illegible]

[illegible] ::

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | gujuxu | guix | | | |
| [illegible] | [illegible] | ɤɤiq | [illegible] | gujuxən | guixəŋ |

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | axɵ:la | ɵ:l | [illegible] | axɵ:r | ɵ:r |
| [illegible] | qɔrija | qɔrʲɔ | [illegible] | ɔdɔ: | ɔdɔ: |
| [illegible] | tɔɣ — a: | tɔ: | [illegible] | bɔɣɔ:l | bɔ:l |
| [illegible] | dʒigirig | dʒi:rəg | [illegible] | xi:xu | xi:x |
| [illegible] | gər — ə: | gərə: | [illegible] | čigi:g | ši:g |
| [illegible] | bəgə:rəxu | bə:rəx | [illegible] | səgə:r | hə:r |
| [illegible] | aɣa:r | aɣa:r | [illegible] | čaɣa: | saɣa: |
| [illegible] | qaɣa:lɣ — a | qa:la ɣ | [illegible] | naɣa:dɵm | na:dam |

[illegible] ::

[illegible] ⟨a: ə: i: ɔ: ɵ: o: u:⟩ [illegible] :: [illegible] :: [illegible] :: [illegible]

[illegible] ⟨ɪ̈ ~ ɕ⟩ (ɣ · g) [illegible] ::

⟨ɕ⟩ (g) [illegible] :: [illegible] :: [illegible] ⟨ɪ̈⟩ · ⟨ɕ⟩ (ɣ · g) [illegible] ⟨ɕ⟩ [illegible] ⟨ɕ⟩ [illegible]



[illegible] ::

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| [illegible] | i:<br>ɵ:, ɵi,<br>a, a:, | i:, u:<br>ə, ə:, | ə:, u:<br>i:, ə, | a<br>ɔ:, ɔi, | a:, i:<br>ɵ:, ɵi, | i:<br>o:, u:, | i:<br>ui, ə:,<br>ə, u:, |
| [illegible] | ai<br>a, a:, | ə, ə: | i, i: | ɔi<br>ɔ, ɔ:, | ɵi<br>ɵ, ɵ:, | o: | ui<br>u, u:, |

[illegible] :

[illegible]

[illegible] · [illegible] · [illegible]

[illegible] ::

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | u:r | u:r | [illegible] | xuxugu:lxu | xuxu:ləx |
| [illegible] | əgu:də | u:d | [illegible] | nəgu:xu | nu:x |
| [illegible] | togə:ləx | to:ləx | [illegible] | əgu:lə | u:l |
| [illegible] | qaɣɵ:ra | qɵ:r | [illegible] | ogə:də | o:d |
| [illegible] | ɵɵl | ɵ:l | [illegible] | qɵɣɵ:r | qɵ:r |

4.1. [illegible] ::

4.2. [illegible] ::

4.3. [illegible] ⟨[illegible]⟩ (o) [illegible] ::

4.4. ⟨[illegible] , [illegible]⟩ (əi) [illegible] ::

4.5. [illegible] ⟨[illegible] , [illegible]⟩ (aʊ) [illegible] (əu) [illegible] ⟨[illegible] , [illegible]⟩ (ɐː, uː) [illegible] ::

4.6. [illegible] ⟨[illegible]⟩ (i) [illegible] ⟨[illegible]⟩ (j) [illegible] ::

## [illegible]

[illegible] ::



[illegible] ::

| [illegible] | | (ŋ) nʲ n | (B) bʲ b | ɣ q | kʲ k xʲ x | q ɣ° ɣ | gʲ g | mʲ m | lʲ l | rʲ r | d h s | t dʲ d | d tʲ t | s š č | č š | z dʒ | j |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | (ŋ) n | b | q | x | ɣ | g | m | l | r | s | d | t | č | š | dʒ | j |
| | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

, ⟨4 (q²)⟩ , [illegible] :

| | | | | |
|---|---|---|---|---|
| [illegible] | agsən | agsaŋ | [illegible] | bagsʁrqʁ | bagsraq |

[illegible] :: [illegible] :

5. 3. 1. ⟨[illegible]⟩ (ŋ) ⟨[illegible] ~ [illegible]⟩ (g) ⟨[illegible]⟩ (b) [illegible] ⟨[illegible]⟩ (s) [illegible] :

[illegible] (d) [illegible] , [illegible] ⟨s⟩ [illegible] :: [illegible]

5. 3. [illegible] ⟨[illegible]⟩(s) [illegible] (h) [illegible] :: [illegible] ::

[illegible] :: [illegible]

[illegible] ⟨[illegible]⟩ (i) [illegible] ::

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | adis | ad'^is | | | |
| [illegible] | qəri | qər^i | [illegible] | tədi | təd^i |
| [illegible] | təli | təl^i | [illegible] | qariqʁ | qar^iq |
| [illegible] | liŋqʁɑ | l^iɑŋqʁɑ | [illegible] | qəliqʁ | qəl^iq |
| [illegible] | tamir | tam^ir | [illegible] | ami | am^i |
| [illegible] | ʁŋgi | ʁŋg^i | [illegible] | miaŋɤa | m^iaŋɤ |
| [illegible] | gilɤar | g^ialɤar | [illegible] | əgiqʁ | əg^iq |
| [illegible] | xilɤana | x^ialɤna | [illegible] | axilta | ax^ilt |
| [illegible] | qabirɤ—a | qab^iraɤ | [illegible] | tabi | tab^i |
| [illegible] | qəni | qən^i | [illegible] | bira | b^ira |
| [illegible] | nilq—a | n^ialq | [illegible] | qanilaqʁ | qan^ilaq |

[illegible] :: [illegible] :

5. 2. [illegible] ⟨[illegible] (i)⟩ [illegible] (s) , ⟨[illegible] (č)⟩ , ⟨[illegible] (dʒ)⟩

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | mələrəxu | məlrəx | [illegible] | xəmnəxu | xəmnəx |
| [illegible] | xəb | xəb | [illegible] | qaraqʁ | qaraq |
| [illegible] | ɤarɤa | ɤaraɤ | [illegible] | abqʁ | abaq |
| [illegible] | nirgixu | nirgəx | [illegible] | baɤa | baɤ |
| [illegible] | namʁr | namar | [illegible] | qana | qana |

[illegible] :: [illegible] :

⟨[illegible]⟩(č) , ⟨[illegible]⟩(dʒ) [illegible]

[illegible] , [illegible] ⟨[illegible]⟩ (i) [illegible] ⟨[illegible]⟩ (s) , ⟨[illegible]⟩(d) , ⟨[illegible]⟩(t) ,

5. 1. [illegible] -

[illegible] ::

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | surug | hurəg | [illegible] | sədxil | hət'gəl |
| [illegible] | sain | hain | [illegible] | səlmə | hələm |
| [illegible] | sana | hana | [illegible] | sara | har |

[illegible] ⟨h⟩ [illegible] :: [illegible] :

5. 3. 3. [illegible] ⟨ᠰ⟩ (s) [illegible] ::

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | ʁlʁs | ʁld | [illegible] | usxu | udəx |
| [illegible] | tosqʁ | tɔdɔq | [illegible] | tʁsqʁ | tʁdaq |
| [illegible] | bus | bud | [illegible] | bɔsqʁ | bɔdɔq |
| [illegible] | dasqʁ | dadaq | [illegible] | das | dad |
| [illegible] | xibis | xibd | [illegible] | dəbisgər | dəb'dxər |

⟨ᠳ⟩ (d) [illegible] :: [illegible] :

5. 3. 2. [illegible] ⟨ᠰ⟩ (s) [illegible] ::

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | sagsaiqʁ | hagsaiq | [illegible] | xaŋsa | xaŋs |
| [illegible] | xogsuxu | xugsəx | [illegible] | əbsəxu | əbsəx |
| [illegible] | absa | abs | [illegible] | qagsaqʁ | qagsaq |



| | | | | | |
|---|---|---|---|---|---|
| [illegible] ~ [illegible] | narsʁ | narhʁ: | [illegible] ~ [illegible] | arisʁ | arhʁ: |

[illegible] :: [illegible] :

[illegible] ⟨[illegible] ~ [illegible]⟩ [illegible] ⟨hʁ: ~ hʁːŋ⟩ ⟨hu: ~ huːn⟩ [illegible] ⟨hʁ: ~ bu:⟩ [illegible] ⟨h⟩ [illegible] :: [illegible] ⟨[illegible] ~ [illegible]⟩ [illegible] ⟨h⟩ [illegible] ⟨[illegible] · [illegible]⟩ (sʁn ~ sun) [illegible] ⟨qʁb'sxal⟩ [illegible] ::

⟨ᠰ⟩ [illegible] ⟨ᠰ⟩ [illegible] :: [illegible] ⟨qʁb'tqal⟩ [illegible] ⟨s, h, d⟩ [illegible] :: [illegible] ⟨ᠰ⟩ (s) [illegible]

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | ɤasalqʁ | ɤahlaq | | | |
| [illegible] | tʁsa | tʁh | [illegible] | busə | buh |
| [illegible] | qasʁqʁ | qahaq | [illegible] | xəsuxu | xəhəx |
| [illegible] | ʁsʁ | ʁh | [illegible] | qʁsʁ | qʁh |
| [illegible] | suxə | hux | [illegible] | nasʁ | nah |

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | ɔči | ɔš | [illegible] | ɤʊči | ɤʊš |
| [illegible] | qačin | qašaŋ | [illegible] | xičijəxu | xišə:x |
| [illegible] | ičixu | išəx | [illegible] | bičig | bišəg |
| [illegible] | ači | aš | [illegible] | ačitʊ | ašt |

(š) [illegible] :

5. 4. 3. [illegible] ⟨[illegible]⟩ (i) [illegible] ⟨[illegible]⟩ (č) [illegible] ⟨[illegible]⟩ [illegible] ::

| | | | | | |
|---|---|---|---|---|---|
| [illegible] + [illegible] | jabʊčiqa | jabčag | [illegible] + [illegible] | ir—əčixə | jərčəg |
| [illegible] + [illegible] + [illegible] | xələčixə | xəlčəg | [illegible] + [illegible] | qɔnʊčiqa | qɔnčag |
| [illegible] + [illegible] + [illegible] | ʊnʊčiqa | ʊnčag | | | |

[illegible] :

5. 4. 2. [illegible] ⟨[illegible] ~ [illegible], [illegible]⟩ [illegible] ⟨[illegible]⟩ (č) [illegible] ⟨[illegible]⟩ [illegible] ⟨unəčən, qɔn'čəŋ qanč⟩ [illegible] ⟨[illegible]⟩ [illegible] ⟨[illegible]⟩ [illegible] ⟨[illegible]⟩ [illegible] ⟨[illegible], [illegible], [illegible]⟩ [illegible] :



[illegible] ::

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | ərilčin | ərəlčən | | | |
| [illegible] | əlči | əlč | [illegible] | ilči | il'č |
| [illegible] | əmči | əmč | [illegible] | omči | umč |
| [illegible] | daŋ ču | da:ŋč | [illegible] | xən ču | xənč |
| [illegible] | unənči | unənč | [illegible] | nəjanči | nəjənč |
| [illegible] | ajančin | ajaŋčəŋ | [illegible] | aŋčin | aŋčəŋ |

[illegible] ⟨[illegible]⟩ (č) [illegible] :

[illegible] ⟨[illegible] (n ŋ), [illegible] (m), [illegible] (l)⟩ [illegible] ⟨[illegible]⟩ (č) [illegible]

5. 4. 1. ⟨[illegible]⟩ (č) [illegible] : [illegible] ⟨[illegible] ~ [illegible]⟩ [illegible] ::

5. 4. [illegible] ⟨[illegible]⟩ (č) [illegible] ⟨[illegible] (t), [illegible] (s), [illegible] (š)⟩ [illegible] ::

| | | | | | |
|---|---|---|---|---|---|
| [illegible] ~ [illegible] | xulijəsu | xul'ə:h | [illegible] ~ [illegible] | širigəsu | šərə:h |
| [illegible] ~ [illegible] | burijəsu | bur'ə:h | [illegible] ~ [illegible] | qadaɤasʊ | qada:h |
| [illegible] ~ [illegible] | ɔimʊsʊn | ɔimhʊ: | [illegible] ~ [illegible] | qʊlʊsʊ | qʊlhʊ: |
| [illegible] ~ [illegible] | undusu | undhu: | [illegible] ~ [illegible] | xursu | xurhu: |

5.5. [illegible] ⟨[illegible]⟩ (dʒ) [illegible] ⟨dʒ, z⟩ [illegible] ::
[illegible] ::

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | bʊča | bʊs | [illegible] | təməčə | təms |
| [illegible] | naɤačʊ | naɤs | [illegible] | qʊčaqʊ | qʊsaq |
| [illegible] | əčə | əs | [illegible] | əčəxu | əsəx |
| [illegible] | čoguča | sugs | [illegible] | ača | as |
| [illegible] | čʊbʊɤa | sʊbaː | [illegible] | čoxurxu | suxrəx |
| [illegible] | čɔg | sɔg | [illegible] | čɔbʊɤʊ | sɔbɔː |
| [illegible] | čənəg | sənəg | [illegible] | čəbər | səbər |
| [illegible] | časʊ | sah | [illegible] | čaɤaːn | saɤaːŋ |
| [illegible] | čaba | sab | [illegible] | čag | sag |

[illegible] ⟨[illegible]⟩ (s) [illegible] :: [illegible] :

5.4.4. [illegible] ⟨[illegible]⟩ (i) [illegible] ⟨[illegible]⟩ (č) [illegible] ::

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | qʊči | qʊš | | | |
| [illegible] | ʊčir | ʊšar | [illegible] | buči | buš |
| [illegible] | duči | duš | [illegible] | muči | muš |



| | | | | | |
|---|---|---|---|---|---|
| [illegible] | dʒam | zam | [illegible] | dʒajaɤa | zajaː |
| [illegible] | ɤarʊdʒa | ɤarz | [illegible] | dʒaqa | zaq |
| [illegible] | adʒa | az | [illegible] | ɔldʒa | ɔlz |

⟨z⟩ [illegible] :: [illegible] :

5.5.2. [illegible] ⟨[illegible]⟩ (i) [illegible] ⟨[illegible]⟩ (dʒ) [illegible] ::

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | budʒig | budʒəg | [illegible] | gədʒigə | gədʒəg |
| [illegible] | qɔdʒim | qɔdʒəm | [illegible] | sədʒig | hədʒəg |
| [illegible] | adʒil | adʒal | [illegible] | badʒiɤʊ | badʒʊː |
| [illegible] | qadʒigʊ | qadʒaq | [illegible] | qadʒiɤʊ | qadʒʊː |
| [illegible] | adʒig | adʒag | [illegible] | qadʒin | qadʒən |
| [illegible] | dʒir | dʒər | [illegible] | dʒidʒig | dʒədʒəg |
| [illegible] | dʒimə | dʒim | [illegible] | dʒil | dʒəl |
| [illegible] | dʒibar | dʒabar | [illegible] | dʒiɤaːqan | dʒaːqaŋ |

[illegible] :: [illegible] :

5.5.1. [illegible] ⟨[illegible]⟩ (i) [illegible] ⟨[illegible]⟩ (dʒ) [illegible] ⟨[illegible]⟩ (dʒ) [illegible] :

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | dʒadara | zadar | [illegible] | dʒəgə:rə | zə:r |
| [illegible] | dʒərgə | zarəg | [illegible] | dʒəs | zəd |
| [illegible] | dʒərig | zər'g | [illegible] | dʒɤlbɤɤa | zəlbɔ: |
| [illegible] | dʒən | zəŋ | [illegible] | dʒɤn | zɤŋ |
| [illegible] | dʒɤd | zɤd | [illegible] | dʒoduxu | zodəx |
| [illegible] | dʒug | zug | | | |

[illegible] ::

5.6. [illegible] 〈[illegible]〉 (n) , 〈[illegible]〉 (ŋ) [illegible] ::

5.6.1. [illegible] 〈[illegible]〉 (n) [illegible] 〈d, t, č, dʒ, z〉 [illegible] :: [illegible] :

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | nara | nar | [illegible] | nərə | nər |
| [illegible] | nəgtɤ | nəgt | [illegible] | nɤraqɤ | nɤraq |
| [illegible] | nidər | nidər | [illegible] | noxur | nuxər |
| [illegible] | nuxə | nux | [illegible] | manda | mand |
| [illegible] | məndu | mənd | [illegible] | tantaɤar | tantɤar |
| [illegible] | daisɤnči | daisɤnč | [illegible] | nəjanči | nəjənč |
| [illegible] | mandʒɤ | manz | [illegible] | indʒi | indʒ |



| | | |
|---|---|---|
| [illegible] | xəndʒə | xənz |

[illegible] ::

5.6.2. [illegible] 〈[illegible]〉 (n) [illegible] 〈[illegible]〉 (ŋ) [illegible] 〈g〉 [illegible] ::

[illegible] :

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | aŋnaqɤ | agnaq | [illegible] | daisɤŋnaqɤ | daisagnaq |
| [illegible] | šaŋnal | šagnal | [illegible] | ɤaŋnaqɤ | ɤagnaq |
| [illegible] | ədʒəŋnəxu | əzəgnəx | [illegible] | təŋnəxu | təgnəx |

[illegible] ::

5.6.3. 〈[illegible]〉 (ŋ) [illegible] 〈[illegible]〉 (ŋ) [illegible] :: [illegible] :

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | ɤaŋɤan | ɤaŋɤan | [illegible] | qaŋɤaqɤ | qaŋɤaq |
| [illegible] | qɔŋqɤr | qɔŋqər | [illegible] | maŋqa | maŋq |
| [illegible] | moŋxə | muŋx ~ | muŋk | | |
| [illegible] | moŋgu | muŋg | [illegible] | maŋlai | maŋlai |
| [illegible] | ɤŋšiqɤ | ɤŋčaq | [illegible] | təŋšiqɤ | təŋčəq |

[illegible] ::

[illegible] : (n, ŋ) [illegible]
[illegible] ::

5.6.3. [illegible] ⟨ᠪ⟩ (b) [illegible]

[illegible] ⟨B⟩ [illegible] :

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | dəbixu | diBx | [illegible] | dəbisxu | diBdəx |
| [illegible] | səlbixu | həlⁱBx | [illegible] | ilbixu | ilⁱBx |
| [illegible] | səbixu | hiBx | | | |

[illegible] ::

5.6.4. [illegible] ⟨ᠰ, ᠳ⟩ (s, d) [illegible] ⟨ᠬ, ᠭ⟩ (q, x) [illegible]

[illegible] ⟨ᠭ, ᠬ⟩ (ɤ, g) [illegible] :

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | qʊbisqa | qʊbisɤ | [illegible] | dʊrasqa | dʊrsɤ |
| [illegible] | gudxəxu | gutgəx | [illegible] | idqaqʊ | jatɤaq |

5.6.5. [illegible] ⟨ᠭ ~ ᠬ⟩ (q, x) [illegible] :

[illegible] baiqʊ—ugəi baigkui [illegible] xələxu—ugəi xələgkui

[illegible] iraxu—ugəi jəregkui [illegible] jabʊqʊ—ugəi jabagkui ::

5.6.6. [illegible] ⟨ᠩ⟩ (ŋ) [illegible] ⟨ᠬ⟩ (x) [illegible] ⟨k⟩ [illegible] ⟨gk⟩ [illegible] ::



[illegible] ⟨əŋk, muŋk, [illegible] (təŋxə) [illegible] (moŋxə) [illegible] (əŋxə) : [illegible] ::

təŋkəː⟩ [illegible] ::

5.6.7. [illegible] ⟨ᠱ⟩ (š) [illegible] ⟨ᠱ⟩ (š) [illegible] ⟨ᠴ⟩ (č) [illegible] ⟨ᠱ⟩ (š) [illegible] ⟨ᠴ⟩ (č) [illegible] (ŋ, l, m) [illegible] : [illegible] ::

[illegible] ⟨ᠱ⟩ (š) [illegible] :

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | ʊŋšiqʊ | ʊŋčaq | [illegible] | qaŋšijar | qaŋčaːr |
| [illegible] | tamšijaqʊ | tamčaːq | [illegible] | əmšigər | əmčgər |
| [illegible] | gəmšixu | gəmčəx | [illegible] | ɤaiqamšig | ɤaiqamčag |
| [illegible] | ɔlaširaqʊ | ɔlčraq | [illegible] | bʊlašilaqʊ | bʊlčlaq |

[illegible] ::

[illegible]

[illegible]

[illegible] ::

[illegible]

6.1. [illegible] ⟨i:, i:ŋ, ŋ⟩ [illegible] ::

6.1.1. ⟨i:⟩ : [illegible]

[illegible] ::

| [illegible] | | | |
|---|---|---|---|
| [illegible] | ᠲᠠᠢ | tai ~ təi | ti: |
| [illegible] | ᠠᠴᠠ | ača ~ əčə | ha: hə: hɔ:(ho:) |
| [illegible] | ᠪᠠᠷ | bar ~ bər | ɑ:r ə:r (o:r) |
| [illegible] | ᠢᠶᠠᠷ | ijar ~ ijər | a:r ə:r ɔ:r(o:r) |
| [illegible] | ᠲᠤ | tʊ ~ tu | t d |
| [illegible] | ᠳᠤ | dʊ ~ du | d |
| [illegible] | ᠶᠢ | ji ~ | i: i:g g |
| [illegible] | ᠢ | i | i: i:g |
| [illegible] | ᠤᠨ | ʊn ~ un | i: i:ŋ |
| [illegible] | ᠶᠢᠨ | jin | i: i:ŋ ŋ |
| [illegible] | ᠤ | ʊ ~ u | i: |
| [illegible] | | | [illegible] |



[illegible] ⟨ɪ: , ɔ:⟩ (ɤ, g) [illegible] :: [illegible]

6.1.2. ⟨i:ŋ⟩ : [illegible] ::

[illegible] ::

| | | |
|---|---|---|
| [illegible] | aba—jin | abi: nɔqɔi |
| [illegible] | bag—ʊn | bagi: qʊral |
| [illegible] | čag—ʊn | sagi: ɣarz |
| [illegible] | čɔg—ʊn | sɔgi: du: |
| [illegible] | təgus—un | togsi: ačxu: |
| [illegible] | gər—un | gəri: qaja: |
| [illegible] | əm—un | əmi: qɔr |
| [illegible] | mal—ʊn | mali: tɔ: |
| [illegible] | xərəg—un | xərgi: əzəŋ |
| [illegible] | əb—un | əbi: qɔ:l |
| [illegible] | amitan—ʊ | amitni: ur |
| [illegible] | xumun—u | xuni: xu: |
| [illegible] | mɔrin—ʊ | mɔrini: nɔgt |
| [illegible] | naran—ʊ | narni: gərəl |

| | | |
|---|---|---|
| abɤ—jin | abiːŋ | dəːl |
| aqa—jin | aqiːŋ | ɤotal |
| barɤɤ—jin | barɤiːŋ | nɤtag |
| axɤla—jin | ɤliːŋ | ɔrɔi |
| xətu—jin | xətiːŋ | jabdal |
| ədɤ—jin | ədəːgiːŋ | adʒil |
| daraɤa—jin | daraːgiːŋ | ɤčar |
| xodəgə—jin | xudəːgiːŋ | ail |

⟨iː, iːŋ⟩

6.1.4. ⟨ŋ⟩ ::

| | | | | | |
|---|---|---|---|---|---|
| dalai | jin | dalaiŋ | qɔɤɤlai | jin | qɔːlaiŋ |
| taɤlai | jin | tɤːlaiŋ | nɔqai | jin | nɔqɔiŋ |
| mələxəi | jin | məlxəiŋ | ərxəi | jin | ərxəiŋ |
| qɤlaɤai | jin | qɤlɤaiŋ | dɤɤɤi | jin | dɤɤɤiŋ |

::



6.2. ⟨iː iːg ːg⟩ ::

6.2.1. ⟨iː⟩ ⟨ᠢ⟩ ::

| | |
|---|---|
| baɤa i ni | baɤiːnə |
| jəxə i ni | jəxiːnə |
| gər i ni | gəriːnə |
| mal i ni | maliːnə |
| xəuxəd i ni | xuːgdiːnə |

6.2.2. ⟨iːg⟩ ⟨ᠢ⟩ ::

| | |
|---|---|
| mɔri ji | mɔriːg |
| dalai jin ɤsɤ ji | ɤhiːg |
| ərdəm i | ərdmiːg |
| ərxə ji | ərxiːg |
| ɔira ji | ɔiriːg |
| qɔla ji | qɔliːg |

6.2.3. ⟨g⟩ [illegible] :

| | | |
|---|---|---|
| [illegible] | dalai ji | dalaig |
| [illegible] | bɔrʊʁa ji | bɔrɔːg |
| [illegible] | bara ji | baraːg |
| [illegible] | dəguu ji | duːg |
| [illegible] | malʁai ji | malʁaig |

[illegible] ::

[illegible] :

[illegible] ⟨g⟩ [illegible] ⟨ᠺ⟩ [illegible] ⟨g⟩ [illegible] ⟨iː⟩ [illegible]

[illegible] :: [illegible] :

| | | |
|---|---|---|
| [illegible] | bara ji ni | baraːgiːnə |
| [illegible] | dəguu ji ni | duːgiːnə |
| [illegible] | malaʁai ji ni | malʁaigiːnə |

[illegible] ::

6.3. [illegible] ⟨d, t⟩ [illegible] :: [illegible] :

6.3.1. [illegible] ⟨ᠲ ~ ᠳ · ᠳ⟩ [illegible] ⟨t⟩ [illegible] :: [illegible] :

| | | |
|---|---|---|
| [illegible] | arʊg tʊ | araɡt |
| [illegible] | sʊbag tʊ | hʊbagt |
| [illegible] | gər tu | gərt |
| [illegible] | xərəg tu | xərəgt |
| [illegible] | bičig tu | bišəgt |
| [illegible] | ʁar tʊ | ʁart |

[illegible] ::

6.3.2. ⟨d⟩ [illegible] ⟨ᠲ ~ ᠳ · ᠳ⟩ [illegible] ::

[illegible] :

| | | |
|---|---|---|
| [illegible] | xumun du | xund |
| [illegible] | tub tu | tubt |
| [illegible] | aqa dʊ | aqd |
| [illegible] | aman dʊ | amand |
| [illegible] | arad tʊ | ardad |
| [illegible] | xəuxəd tu | xuːgdəd |
| [illegible] | qaʁas tʊ ni | qaʁadadnⁱ |

[illegible] ::

[illegible] : [illegible] ⟨saː, səː, sɔː⟩ [illegible]

[Mongolian] ·· [Mongolian] :

[Mongolian] (qalaɤʊn tɔsʊn dʊ ʊsʊ xiːdʒu bɔlqʊ ugəi) ⟨qalʊːn
tɔŋsɔː ʊh xiːdʒ bɔlɔgkui⟩ [Mongolian] (ɤɔl dɔtʊr dʒaɤasʊ arbin) [Mongolian] ɤɔlsɔː zaɤ
ahʊː arbin [Mongolian] ··

[Mongolian] ⟨saː, sɔː, səː⟩ [Mongolian]
[Mongolian] ·· [Mongolian] : [Mongolian] · [Mongolian] ɤɔlsɔːɤʊːr jabna ,
ɤɔlsɔːnhɔː abna [Mongolian] ··

6. 4. 1. [Mongolian] · [Mongolian] ⟨aːr, əːr, ɔːr⟩ [Mongolian] ·· [Mongolian]
[Mongolian] :

| | | |
|---|---|---|
| [Mongolian] | aɤʊla bar | ʊːlaːr jabna |
| [Mongolian] | qɔni bar | qɔnʲɔːr |
| [Mongolian] | gər ijər | gəreːr |
| [Mongolian] | ogeːxu bər | oːxəːr |

[Mongolian] ··

6. 4. 2. [Mongolian]
θ [Mongolian] ⟨ɤ, g⟩ [Mongolian] ··



| | | |
|---|---|---|
| [Mongolian] | qaraɤaː bar | qaraːɤaːr |
| [Mongolian] | xudəgə bər | xudəːgəːr |
| [Mongolian] | dalai bar | dalaiɤaːr |
| [Mongolian] | dɔrʊi bar | dɔrɔiɤɔːr |
| [Mongolian] | baraɤaː bar | baraːɤaːr |

[Mongolian] ··

6. 5. [Mongolian] ⟨[Mongolian]⟩ [Mongolian] ⟨haː, həː, hɔː⟩ [Mongolian]
[Mongolian] ·· [Mongolian] :

| | | |
|---|---|---|
| [Mongolian] | abʊ ača | abhaː |
| [Mongolian] | qɔta ača | qɔthɔː |
| [Mongolian] | gər ača | gərhəː |
| [Mongolian] | əbur ača | obərhəːnʲ |

[Mongolian] ··

6. 5. 1. [Mongolian] · [Mongolian] ⟨n, g, ɤ⟩
[Mongolian] ··

[Mongolian] : qɔqɔinɔhɔː [Mongolian] : dalaixhaː
[Mongolian] : xudəːnəhəː

[illegible] ::

6.6. [illegible] ⟨[illegible]⟩ [illegible] ⟨ti:⟩ [illegible]

[illegible] :: [illegible] :

| | | | |
|---|---|---|---|
| [illegible] | aqti: ʊ:lzna | [illegible] | xunti: tanʲlsna |

[illegible] ::

[illegible]

[illegible]

[illegible] ::

7.1. [illegible] ⟨[illegible]⟩ [illegible] ⟨a:, ə:, ɔ:⟩ [illegible]

[illegible] ⟨ŋ⟩ [illegible] ⟨n, ɤ, g⟩ [illegible] :: [illegible]

[illegible] :

| | | |
|---|---|---|
| [illegible] | gər ijən | gərə: |
| [illegible] | qašija ban | qaša:ɤa: |
| [illegible] | mal ijən | mala: |
| [illegible] | mɔri ban | mɔrʲɔ: |
| [illegible] | nɔqai ban | nɔqɔiɤɔ: |



| | | |
|---|---|---|
| [illegible] | ɤaŋ ijən | ɤaŋɤa: |

[illegible] ::

7.2. [illegible] ⟨[illegible]⟩ [illegible]

⟨m, š, na⟩ [illegible] ::

| | | | |
|---|---|---|---|
| [illegible] | abam jərdʒəi | [illegible] | aqšnə jabhaŋ / aqš jabhaŋ |
| [illegible] | du:nə baina | [illegible] | idʒi:tnə: haiŋgu: |

[illegible] ::

7.3. [illegible] ⟨x, xʲ, xin⟩ [illegible] ::

[illegible] :

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | ɤadana xi | ɤaza:xʲ | [illegible] | dɔtʊra xi | dɔtɔrxʲ |
| [illegible] | dəgərə xi | də:rx | [illegible] | aqa jin xi | aqi:nxʲ |
| [illegible] | minʊ xi | mini:x | [illegible] | tan ʊ xin | tanaixin |
| [illegible] | man ʊ xin | manaixʲn | | | |

[illegible] ::

[illegible]

8. 1. ⟨[illegible]⟩ [illegible] ⟨nar, nər⟩ [illegible] :

[illegible] bagšnar, aqnar, du:nər [illegible]

8. 2. ⟨[illegible]⟩ [illegible] ⟨n⟩ [illegible]

[illegible] ⟨nəs, nu:s⟩ [illegible] ⟨d⟩ [illegible] ⟨s⟩

[illegible] :

| | | |
|---|---|---|
| [illegible] | ta nəɣə:d | ta:nə:s |
| [illegible] | bidə nugu:d | bidnu:s |
| [illegible] | nɔqəi nəɣə:d | nɔqəinə:d |
| [illegible] | təməgə: nugu:d | təmə:nu:d |
| [illegible] | adɤɤ: nəɣə:d | adɤ:nə:d |

[illegible]

8. 3. ⟨[illegible]⟩ (ɤd ~ ud, d) [illegible] ⟨[illegible]⟩ [illegible]

[illegible] :

| | | | |
|---|---|---|---|
| [illegible] | xəbnu:di:nə uzi: | [illegible] | malnɤ:di:nə qari: |
| [illegible] | gəru:di:nə bari: | [illegible] | əmnu:dnə mɤ: |



| | | | |
|---|---|---|---|
| [illegible] | xu:gdu:dnə ɔlɔŋ / xu:gdnu:dnə ɔlɔŋ | [illegible] | ɤldnɤ:d xəlnə / ɤldɤ:d xəlsədʒəi |

[illegible]

8. 4. ⟨[illegible] ~ [illegible]⟩ [illegible] ⟨sɤ:d, su:d⟩ , ⟨sɤ:l, su:l⟩ [illegible] :

| | | | | |
|---|---|---|---|---|
| [illegible] | abugəču:d | ubəgsu:d | əməgəčuul | əbəgsu:l |
| [illegible] | baɣačɤ:d | baɣsɤ:d | dʒalaɣɤ:čɤɤl | zalɤ:sɤ:l |

[illegible]

8. 5. [illegible] ⟨[illegible]⟩ [illegible]

[illegible]

[illegible]

[illegible]

| [illegible] | × | dʒəi | × | nə | lai | haŋ | həŋ | dag | dəg | ə: a: | ə: | gš | gš | q | x |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

[illegible]

ᠡᠨᠡ ᠮᠡᠲᠦ ::

ᠬᠠᠨᠵᠠᠩ ᠳᠣᠭᠤᠷ ᠭᠦᠢᠭᠡᠰ ᠵᠦᠪ ᠦᠦ ?    qanzaŋ dɔ:ɤɤ:r guigəš ju:b ?

ᠥᠯᠠᠩ ᠳᠡᠭᠦᠷ ᠵᠠᠪᠠᠰ ᠵᠦᠪ ᠦᠦ ?    ɤ:laŋ də:gu:r jaba:š ju:b ?

ᠭᠡᠵᠦ ᠪᠢᠴᠢ :

9. 9. ᠳᠦᠷᠢᠮ ᠤᠨ ᠳᠣᠯ ᠤᠨ ... ⟨ᠠᠰ · ᠡᠰ⟩ ᠢ ⟨a:s, ə:s, ɔ:s⟩ ᠭᠡᠵᠦ ᠬᠡᠯᠡᠬᠦ ... ᠪᠣᠯᠤᠨ᠎ᠠ ::

9. 8. ⟨ᠬᠤ · ᠬᠦ⟩ ᠢ ⟨q, x⟩ ᠭᠡᠵᠦ ... ᠬᠡᠯᠡᠬᠦ ... ᠪᠣᠯᠤᠨ᠎ᠠ ::

... ᠡᠨᠡ ᠢ ⟨abagš˄ hɤragš ~ sɤragš, jərəgš⟩ ᠭᠡᠵᠦ ᠪᠣᠯᠤᠨ᠎ᠠ ::

9. 7. ᠳᠦᠷᠢᠮ ᠤᠨ ᠳᠣᠯ ᠤ ⟨ᠭᠰ · ᠭᠰ⟩ ᠢ ⟨gš⟩ ᠭᠡᠵᠦ ᠪᠣᠯᠤᠨ᠎ᠠ :: ᠭᠡᠵᠦ ᠪᠢᠴᠢ : ⟨... · ... ·

9. 6. ᠳᠦᠷᠢᠮ ᠤᠨ ᠳᠣᠯ ᠤ ⟨... · ...⟩ ᠢ ⟨a:, ə:, ɔ:⟩ ᠭᠡᠵᠦ ... ᠪᠣᠯᠤᠨ᠎ᠠ ::

... (abhaŋ) · ... (xəlhəŋ) · ... (ɔrhəŋ) ᠡᠨᠡ ᠮᠡᠲᠦ ::

9. 5. ᠳᠦᠷᠢᠮ ᠤᠨ ᠳᠣᠯ ᠤ ⟨... ...⟩ ᠢ ⟨haŋ, həŋ, hɔŋ⟩ ᠭᠡᠵᠦ ... ᠪᠣᠯᠤᠨ᠎ᠠ :: ᠭᠡᠵᠦ ᠪᠢᠴᠢ :

9. 4. ᠳᠦᠷᠢᠮ ᠤᠨ ᠳᠣᠯ ᠤ ⟨ᠯᠠᠢ⟩ ᠢ ⟨lai, ləi⟩ ᠭᠡᠵᠦ ... ᠪᠣᠯᠤᠨ᠎ᠠ ::

9. 3. ᠳᠦᠷᠢᠮ ᠤᠨ ᠳᠣᠯ ᠤ ⟨... · ... · ...⟩ ᠢ ... ᠪᠣᠯᠤᠨ᠎ᠠ ::

9. 2. ᠳᠦᠷᠢᠮ ᠤᠨ ᠳᠣᠯ ᠤ ⟨ᠵᠢ⟩ ᠢ ... ᠢ ⟨dʒəi⟩ ... ᠪᠣᠯᠤᠨ᠎ᠠ ::

⟨ᠵᠢ⟩ ᠢ ᠪᠢᠴᠢᠨ᠎ᠡ ::

9. 1. ᠳᠦᠷᠢᠮ ᠤᠨ ᠳᠣᠯ ᠤ ⟨... · ᠵᠢ⟩ ... ᠪᠢᠴᠢᠨ᠎ᠡ ... · ... ᠤ ... ᠳᠤ ... ᠳᠤ ᠪᠠ ...

... ᠤᠨ ... ᠳᠤ ... ᠪᠣᠯᠤᠨ᠎ᠠ ::



ᠬᠣᠨᠢ ᠪᠠᠨ ᠠᠪᠤᠭᠠᠷᠠᠢ    qɔni ban abɤɣa:rai    aba:rai

10. 3. ᠳᠦᠷᠢᠮ ᠤᠨ ᠳᠣᠯ ᠤ ⟨... · ...⟩ ᠢ ... ⟨a:ri:, ə:ri:, ɔ:ri:⟩ ᠭᠡᠵᠦ ᠪᠣᠯᠤᠨ᠎ᠠ :: ᠭᠡᠵᠦ ᠪᠢᠴᠢ :

ᠲᠦᠷᠭᠡᠨ ᠢᠷᠡᠭᠲᠦᠨ    turgən irəgtun    turgən jərəgti: ᠡᠨᠡ ᠮᠡᠲᠦ ::

ᠳᠠᠷᠤᠢ ᠵᠠᠪᠤᠭᠲᠤᠨ    darɤi jabɤgtɤn    darɤi jabagti:

10. 2. ᠳᠦᠷᠢᠮ ᠤᠨ ᠳᠣᠯ ᠤ ⟨... ...⟩ ᠢ ... ⟨gti:⟩ ᠭᠡᠵᠦ ᠪᠣᠯᠤᠨ᠎ᠠ :: ᠭᠡᠵᠦ ᠪᠢᠴᠢ :

ᠡᠨᠡ ᠮᠡᠲᠦ ::

| | | | |
|---|---|---|---|
| ... ᠢ ... (...) | tərni:g qar'a:j | | |
| ... ᠢ ... (...) | tani:g xul'ə:j | ... (...) | undər qar'a:j |
| ... ᠪᠠᠨ ... (...) | mɔriɔ: tab'i: | ... ᠢ ... (...) | šɔni:g xɔ:j |
| ᠪᠢᠴᠢᠭ ... (...) | bišəg uzi: | ... ᠪᠠᠨ ... (...) | saba: bar'i: |

ᠪᠣᠯᠤᠨ᠎ᠠ :: ᠭᠡᠵᠦ ᠪᠢᠴᠢ :

ᠪᠢᠴᠢᠨ᠎ᠡ · ᠡᠨᠡ ᠳᠤ ᠪᠠᠨ ... ᠤᠨ ... ⟨ᠢ⟩ (i:) ᠪᠡᠷ · ... ᠤᠨ ... ⟨j⟩ ᠪᠡᠷ

10. 1. ᠳᠦᠷᠢᠮ ᠤᠨ ᠳᠣᠯ ᠤ ⟨... ...⟩ ᠢ ᠪᠢᠴᠢᠨ᠎ᠡ ... · ... ᠤ ... ᠳᠤ ⟨ᠶ᠎ᠠ⟩ (ja) ᠢ ...

... :

ᠳᠦᠷᠢᠮ ᠤᠨ ᠳᠣᠯ ᠤ ... ᠢ ... ᠳᠤ ... ᠪᠡᠷ ᠪᠣᠯᠤᠨ᠎ᠠ ::

## ... · ... ᠤᠨ ... ᠤᠨ ...

[illegible] abtiːxa ʊːlzahai [illegible] duːdəː xələːhəi [illegible] ::

[illegible] ⟨aːhai, əːhəi⟩ [illegible] :: [illegible] :

[illegible] ::

[illegible] duːdəː ughəi [illegible] šamd xəlhəi

[illegible] gərtəː qarʰhai [illegible] abtiːxaː ʊːlzhai

10.7. [illegible] ⟨hai, həi⟩ [illegible] :: [illegible] :

[illegible] juməː gəːguːdʒəi (gəːguːdʒ) [illegible] ::

[illegible] bʊrʊː xəluːdʒəi (xəluːdʒ)

[illegible] tɔːxɔː tašaːrʊːdʒai (tašaːrʊːdʒ)

[illegible] mərinəhɔː ʊnʊːdʒai (ʊnʊːdʒ)

[illegible] :

10.6. [illegible] ⟨ʊːdʒai, ʊːdʒ⟩ ⟨uːdʒəi, uːdʒ⟩ [illegible] ::

[illegible] tər jabbal jabag [illegible] tər xəlbəl xələg [illegible] ::

[illegible] :: [illegible] :

10.5. [illegible]

[illegible] qʊrdan mɔrdɔːš (mɔrdiːš) [illegible] mɔriɔː bariaːš (bariːš) [illegible]

[illegible] dəlšəː qaraš (qariːš) [illegible] nad ugəːš

[illegible] :: [illegible] :

10.4. [illegible] ⟨aš, əš, ɔːš⟩ ⟨iːš⟩ [illegible]

[illegible] man da qənəxaːrai qənəːrəi [illegible] :: [illegible] :

[illegible] qɔxʊla ban idəgərəi idəːrəi

1990

[illegible]



[illegible]

[illegible]



[illegible] 1980 [illegible]

(1) [illegible]

[illegible]

⑤ [illegible]

[illegible]



[illegible]

[illegible]



[illegible]

①

②



(3)

(2) [illegible]

[illegible]

① [illegible]

[illegible]

② [illegible]

[illegible]



(3) [illegible]

[illegible]

① [illegible]

[illegible]

※ [illegible]

※ [illegible]

[illegible]

② [illegible]

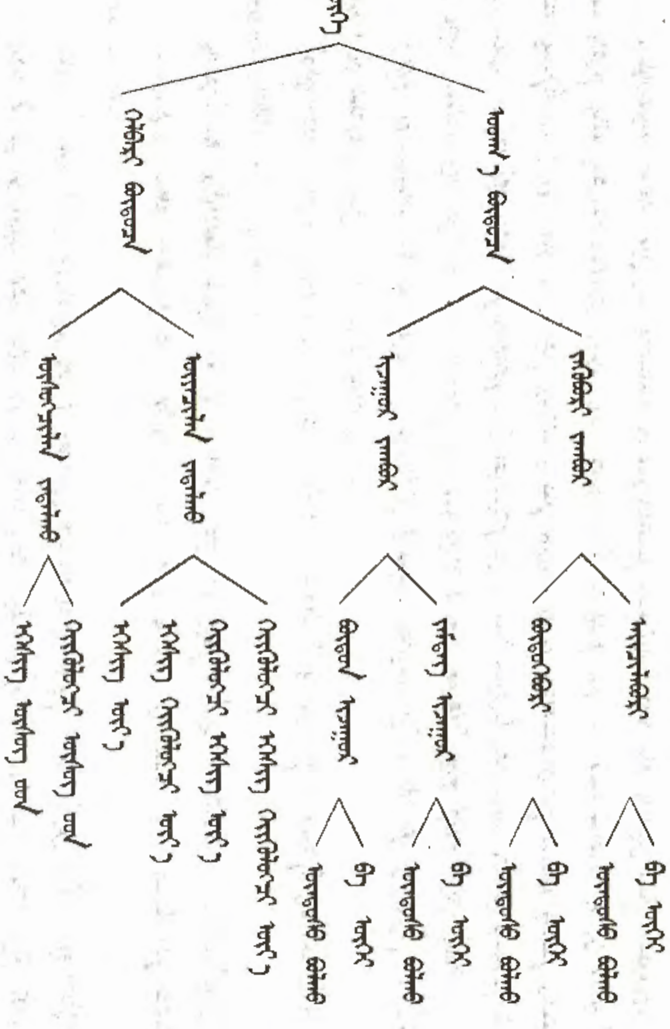
③ [illegible]

[illegible]



[illegible]

(4) [illegible]



[illegible]

1982 ᠣᠨ

[illegible]



[illegible]

① [illegible]……
② [illegible] , [illegible]……
③ [illegible]……
(2) [illegible]
[illegible] ([illegible])
① [illegible]
② [illegible]……
③ [illegible]……
④ [illegible] ::
[illegible] ([illegible])
① [illegible]……
② [illegible]……
③ [illegible]……
④ [illegible] —— [illegible]……
[illegible] ([illegible])
① [illegible]……
② [illegible] , [illegible]……



③ [illegible] ::
[illegible] ::
(3) [illegible]
[illegible] ([illegible])
① [illegible]……
② [illegible]……
③ [illegible]……
④ [illegible]……
[illegible] ::
[illegible] 〈[illegible]〉
[illegible] , [illegible]
[illegible] , [illegible] , [illegible] ::
[illegible] :

(1) [illegible]

[illegible]

(2) [illegible]

[illegible]

(3) [illegible]

[illegible] ::

(4) [illegible]

[illegible] ::



(5) [illegible]

[illegible] ::

(1) [illegible] :

① [illegible] ::

② [illegible] ::

③ [illegible] ::

④ [illegible] ::

⑤ [illegible] ::

⑥ [illegible] ::

⑦ [illegible]……

⑧ [illegible]……

(2) [illegible]

① [illegible]

② [illegible]

③ [illegible]……
④ [illegible]……
⑤ [illegible]……
⑥ [illegible]
[illegible] ::
(3) [illegible]
① [illegible]……
② [illegible] ::
③ [illegible] ::
④ [illegible]……
[illegible] :: [illegible] :
① [illegible]
② [illegible]
③ [illegible]…… [illegible] ::
(4) [illegible]
① [illegible] ::



② [illegible] ::
③ [illegible]……
④ [illegible]……
(5) [illegible]
① [illegible] ::
② [illegible] :: [illegible]
[illegible] !
③ [illegible]
[illegible] ::
[illegible] :
[illegible] ::
[illegible] :: [illegible]

[illegible]



[illegible]

1983 [illegible]

[illegible]

[illegible]



[illegible]

[illegible]



[illegible]

[illegible] ::

[illegible]

(5) [illegible] ::

[illegible]

(4) [illegible] ::

[illegible]

(3) [illegible] ::



⑩ [illegible]

⑨ [illegible]

⑧ [illegible]

⑦ [illegible]

⑥ [illegible]

⑤ [illegible]

④ [illegible]

③ [illegible]

② [illegible]

① [illegible]

[illegible] ::

[illegible]

## [illegible]

(2)

(1)

⑮ ⑭ ⑬ ⑫ ⑪



(2) 92.6% 98%

(1)

(5) [illegible] ?

(6) [illegible] ? [illegible] ?

## ᠳᠠᠰᠬᠠᠯ ᠂ ᠰᠤᠷᠭᠠᠭᠤᠯᠢ

(1) [illegible] ᠃

(2) [illegible] ᠃

(3) [illegible] ᠃

(4) [illegible] ᠃



[illegible] ᠃

(5) [illegible] ᠃

(6) [illegible] ᠃

(7) [illegible] ᠃

[illegible]



[illegible]

[illegible]

[illegible]



[illegible]

(2) [illegible]

(3) [illegible]

(4) [illegible]

(5) [illegible]

(6) [illegible]

(7) [illegible]

(8) [illegible]

(9) [illegible]

(10) [illegible]



[illegible]

(11) [illegible]

(12) [illegible]

[illegible] ⟨23⟩ [illegible] ⟨12⟩ [illegible]

(3) [illegible]

[illegible]

(2) [illegible]

[illegible]



[illegible]

(4) [illegible]

[illegible]

[illegible]

(1) [illegible]

① [illegible]



[illegible]

③ [illegible]

② [illegible]

(3) [illegible]

[illegible]

(1) ⟨[illegible]⟩ , ⟨[illegible]⟩ , ⟨[illegible]⟩

[illegible]

① ⟨[illegible]⟩ , ⟨[illegible]⟩ [illegible]

② ⟨[illegible]⟩ , ⟨[illegible]⟩ [illegible]

③ ⟨[illegible]⟩ , ⟨[illegible]⟩ [illegible]



(2) ⟨[illegible]⟩ , ⟨[illegible]⟩

[illegible]

(3) ⟨[illegible]⟩

[illegible]

(4) ⟨[illegible]⟩

[illegible]

(5) ⟨[illegible] ~ [illegible]⟩

[illegible]

[illegible] ::

[illegible]

④ 〈[illegible] ~ [illegible]〉

[illegible]

③ 〈[illegible] ~ [illegible]〉

[illegible] ::

② 〈[illegible]〉

[illegible] ::

① 〈[illegible] ~ [illegible]〉

[illegible] :: [illegible] :

(1) [illegible] :: [illegible] :

[illegible]

([illegible]) [illegible]

[illegible] ::

[illegible] :: [illegible] : 〈[illegible]〉 [illegible] 〈[illegible]〉 [illegible]



(1) 〈[illegible]〉

[illegible] :: [illegible] :

[illegible] ::

([illegible]) [illegible]

[illegible] ::

[illegible] :: [illegible] :

(3) [illegible] 〈[illegible]〉 [illegible] ::

[illegible] 〈[illegible]〉 [illegible] :: [illegible] :

(2) [illegible]

[illegible]

(2) [illegible]

[illegible]

(3) [illegible]

[illegible]

(4) [illegible]

[illegible]



[illegible]

(5) [illegible]

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(6) [illegible]

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(7) [illegible]

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(8) [illegible]

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(9) [illegible]

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[illegible]

(12) [illegible]

[illegible]

(11) [illegible]

[illegible]

(10) [illegible]

[illegible]

(2) [illegible]

[illegible]

(1) [illegible] (p) [illegible]

[illegible]

[illegible]



[illegible]

[illegible]

(2) [illegible]

[illegible]



[illegible]

(3) [illegible]

[illegible]

(4) [illegible]

[illegible]

[illegible]

(2)

[illegible]



[illegible]

(3)

[illegible]

(3) [illegible]

(2) [illegible]

(1) [illegible]

[illegible]

[illegible]

[illegible]



[illegible]

1986 ᠣᠨ

[illegible]

(4) [illegible]
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(6) [illegible]
(7) [illegible]
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[illegible] (3 [illegible])
[illegible] (2 [illegible])
[illegible] (3 [illegible])
[illegible]
[illegible]
[illegible] (4 [illegible])
[illegible] (4 [illegible])
[illegible] (3 [illegible])
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[illegible]



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[illegible] (4 [illegible])
[illegible] (2 [illegible])

[illegible]

(4) [illegible]

(3) [illegible]

(2) [illegible]

(1) [illegible]

[illegible]

(4) [illegible]

(3) [illegible]



[illegible]

[illegible]



[illegible]

[illegible]



| | | [illegible] | | | | | | | | [illegible] | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 2 | [illegible] | | | | | | | | | | | [illegible] | [illegible] | | | |
| 3 | [illegible] | | | | | | | | | | | | | | | |
| 4 | [illegible] | | | | | | | | | | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 5 | [illegible] | | | | | | | | | | | | | | | |
| 6 | [illegible] | | | | | | | | | | | | | | | |
| 7 | [illegible] | | | | | | | | | | | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 8 | [illegible] | | | | | | | | | | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 9 | [illegible] | | | | | | | | | | [illegible] | | [illegible] | [illegible] | [illegible] | [illegible] |
| 10 | [illegible] | | | | | | | | | | | [illegible] | [illegible] | | | |
| 11 | [illegible] | | | | | | | | | | | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 12 | [illegible] | | | | | | | | | | | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13 | [illegible] | | | | | | | | | | | [illegible] | | [illegible] | [illegible] | [illegible] |
| 14 | [illegible] | | | | | | | | | | | [illegible] | | [illegible] | | [illegible] |
| 15 | [illegible] | | | | | | | | | | | [illegible] | | [illegible] | | [illegible] |
| 16 | [illegible] | | | | | | | | | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 17 | [illegible] | | | | | | | | | | | [illegible] | | [illegible] | [illegible] | [illegible] |
| 18 | [illegible] | | | | | | | | | | | [illegible] | | [illegible] | | [illegible] |
| 19 | [illegible] | | | | | | | | | | | [illegible] | | [illegible] | | [illegible] |
| 20 | [illegible] | | | | | | | | | | | [illegible] | | [illegible] | [illegible] | [illegible] |
| 21 | [illegible] | | [illegible] | | | | | | | | | [illegible] | | [illegible] | [illegible] | [illegible] |
| 22 | [illegible] | | | | | | | | | | | [illegible] | | [illegible] | [illegible] | [illegible] |
| 23 | [illegible] | | | | | | | | | | | [illegible] | | [illegible] | [illegible] | [illegible] |
| 24 | [illegible] | | | | | | | | | | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 25 | [illegible] | | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | | 25 | 23 | 24 | 24 | 24 | 24 | 24 | 24 | 23 | 19 | 5 | 15 | 6 | [illegible] | [illegible] |

① [illegible] 25 [illegible]

② [illegible]

③ [illegible]

| [illegible] | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | | |
| 3 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | |
| 2 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | |
| 3 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | |
| 6 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | |
| 16 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | |
| 7 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | |
| 17 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | |



| [illegible] | [illegible] | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | | | | | | | | | | | |
| 24 | | | | | | | | | | | |
| 30 | | | | | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | |
| 23 | | | | | | | | | | | |
| 25 | | | | | | | | | | | |
| 34 | | | | | | | | | | | |
| 36 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 23 | | | | | | | | | | | |
| 32 | | | | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | | [illegible] |
| 27 | | | | | | | | | | | |
| 31 | | | | | | | | | | | |
| 30 | | | | | | | | | | | |
| 31 | | | | | | | | | | | |
| 30 | | | | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 29 | | | | | | | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 34 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | |
| 31 | | | | | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 30 | | | | | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 31 | | | | | | | | | | | |
| 31 | | | | | | | | | | | |
| 24 | | | | | | | | | | | |
| 29 | | | | | | | | | | | |
| 28 | | | | | | | | | | | |
| 30 | | | | | | | | | | | |
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34 · 23 · ⑤ 25