

ajryeṭsi f bompum; \ pum; oḷḷ qeṭppjci f

eeṭjrjroi f*

pmwrṭ t uḷ

ppmwrṭonṭ rauḅwṭṭa' oḷḷ t wḅṭ f 1/2 ajryeṭsi f (t 1/2 si f) wṭṭ tajypum; uḷ u 1/2 Pfo' áA' enṭjzi h qeṭppxmygonṭ csiṭ vṭ rsm \ rṭuṭzphom t 1/2 si f wṭṭ bompum; uḷ aznṭxlvxḅeṭofṭ &ef &n 1/2 ygonṭ xlvṭvṭm aznṭxlvṭ jciṭjzi h wṭṭ iṭom; t csiṭ csiṭ bompum; oḷṭsm; uḷ tjeṭvṭ ḅm; vnEṭṭyḷ wṭṭ iṭom; pnṭ vṭ nṭ ḅvṭ &? jynṭxmi ṭṭvṭ' mwi cṭṭma &; uḷ Oḷṭwnṭprnṭ jzpygonṭ wṭṭ iṭom; bompum; oḷṭsm; \ weṭṭ ES ṭṭ P & nṭ uḷ taxmuṭṭul jyṭṭ nṭ pmwrṭ wṭṭ pmiṭ jzpygonṭ

aonṭsuḅogṭ nṭ / 1/2 m' avṭ yṭṭ jcm; *P & nṭ Anṭ oḷṭ o & oḷ

ed geṭ

ppmwrṭonṭ rauḅwṭṭa' oḷḷ? awmiṭ wḅṭ f buṭṭṭe, 1/2 ajryeṭsi f (t 1/2 si f) wṭṭ tajypum; uḷ u 1/2 Pfo' áA' enṭjzi h qeṭppf avṭ vṭ mxmygonṭ csiṭ vṭ rsm \ rṭuṭzphom ajryeṭsi f (t 1/2 si f) wṭṭ bompum; uḷ aznṭxlvxḅeṭofṭ &ef &n 1/2 ygonṭ

ppmwrṭ \ tavṭ mṭ ajryeṭsi f (t 1/2 si f) wṭṭ bnṭ rauḅwṭṭa' oḷḷ? rauḅ c 1/2? awmiṭ wḅṭ f buṭṭṭe, wḅṭ aexṭṭ uorsṭ jzṭonṭ auṭ 1/2 ṭṭ yṭṭ (7) tṭ yṭṭ auṭ 1/2 aygiṭ (11) 1/2 vḷ ḅa & (4975) Oḷṭ ce 1/2 ygonṭ rauḅwṭṭ wḅṭ vṭ t 1/2 si f wṭṭ iṭom; ausniṭom; ausniṭ oṭ rsm; t jym; wuḅ & muṭ vṭ vṭ bnṭ xlvṭ usniṭom; rsm \ tajypum; rsm; onṭ aexṭṭ ma' ovṭṭ av, ḅvṭ ṭ tenṭi, iṭ yṭṭ onṭ uḷ owjyṭṭ ḅbnṭ xlvṭ cṭṭ ṭi oḷṭoe jyṭṭ vṭ ṭonṭ kṭ qum t cṭṭ vṭ rsm (Data Base) rsm; uḷ t oḷṭ ṭ rsm? ADD ṭ rsm? "mviṭ rsm; jzi hrṭ vṭ vṭ wṭṭ xṭ mṭ Eṭṭ ḅbnṭ

ppmwrṭonṭ uḅṭ qiiṭ aumṭ ḅ 1/2 om pum; oḷṭsm; uḷ tajccṭ Francis Katamba \ An Introduction to Phonology ES h a' guṭ vṭ mxḅṭ ṭ miṭ usniṭ u 1/2 Pfo' áA' ed geṭ pmtṭ yṭ (2) tṭ yṭṭ uḷ uḷ mṭ i qeṭppf avṭ vṭ mxmygonṭ

xlvṭ vṭ vṭ mṭ rṭ uḅṭ v' uḷ tajccṭ wṭṭ uṭ jrefṭ mt EG Diṭ bompum; rsm; uḷ 1/2 azṭ rsm; t wṭṭ ḅmru wṭṭ iṭom; bompum; pmay? , Oḅ usṭ ṭ arṭ Eṭṭ rsm; bompum; \ weṭṭ ES ṭṭ P uḷ weṭṭ xṭ mṭ xḅṭ oṭṭ Eṭṭ ṭ rṭ k, ṭ unṭ ygonṭ

* a' guṭ vṭ wṭṭ uṭ yarmuṭ jrefṭ mṭ xme? rauḅwṭṭ vṭ

- 3/ [m̄cge, f - vllfðbompum;
- 4/ rifwyé, f - cðbompum;
- 5/ rwlyé, f - rwlbompum;
- 6/ yvuDe, f - crðbompum;
- 7/ ajryeṭsiṭ - t½bompum;
- 8/ va½siṭ - rð lbompum; wlpzbnf

ppmvr̄onf ajryeṭsiṭbompum; jzphom t½bompum; ull avlv̄mxm;
aom ppmvr̄fjzplygonf

(2) csiṭoauṭv

t½siṭrs̄EG þksnr̄þí csiṭwll̄f&ifomwll̄v̄v̄f]oauṭv} trsv̄bmr̄sm ½ygonf

- (1) atmutsiṭiṭul (VAKOK) - op̄n̄&ṭciṭoabmoauṭv
- (2) qvll̄f? rll̄f - t½siṭtr̄nb̄m; tr̄ðomwll̄ tr̄nb̄auṭv
- (3) rP̄ȳ&f - csiṭjyn̄b̄wll̄nb̄oauṭv
- (4) &d̄&uef - csiṭjyn̄b̄wll̄ ES/v̄hom; oauṭv
- (5) awmi Zvylyef - csiṭjyn̄b̄wll̄ p̄v̄v̄eoabmxm;

[ṭ csiṭwll̄oauṭvr̄sm ½uonf , iṭoauṭvwll̄teuf ajryeṭsiṭ (t½siṭ) wll̄bnf
]atmutsiṭiṭul ES hqvll̄f? rll̄f]oauṭvr̄sm; ull op̄v̄v̄su½uonf

(3) qvll̄f? rll̄f

1933 cEṭf yðfrem̄N̄De, lv̄v̄f jyk/v̄ȳh̄om Eṭciṭueṭz&ih t̄pn̄f̄ta0; Buṭr̄S
ajryeṭsiṭull t½siṭ[hom tr̄nb̄w̄r̄sv̄f tr̄n̄h̄½v̄v̄f]qvll̄f? rll̄f]xn̄f̄ ton̄
jȳ&ef csiṭae½ṭe, f̄toif̄Buṭr̄Sq̄h̄zwȳv̄ t*lv̄ȳft̄p̄&x̄hw̄ijȳt̄oṭr̄sv̄jȳk̄onf

ajryeṭh'ow̄v̄h̄ex̄ll̄h̄om csiṭvr̄ðr̄sm̄onf r̄v̄v̄ull̄ ṭull t½l̄ ^ə ̄cō ^ [k
ac:q̄ll̄ȳv̄ j̄r̄em̄jyn̄f csiṭt̄yp̄k̄lv̄v̄f ȳḡoīh̄ej̄ciṭal̄um̄ih ^A SHŌ CHIN^ [k
ow̄r̄sv̄h̄c:w̄v̄c̄ll̄uonf

- qvll̄f^ sə la`ĩ ^ - &&ijci? o&ow̄ES h̄jyn̄p̄jciṭ
- rll̄f ^ maĩ ^ - jyn̄p̄jci? usub̄a½ciṭ

ullazn̄f̄h̄ēfonf

qvl fonf & pefow ES h jynp Hom omaumi fa, mufm? rll bnf omaumi f
& wemullar (z h; ay; on h r e f r j r w f z p h l u m i f a w l e o n f

csi vli, f r s q u b p i w l n t r n e m r a l w l f , O h a u s r i t o p f w p & y f t a e j z i h
t o h y k v m l u o n h t r o m o a u l v j z p b n f

(4) 1/2 m' avh

v r s w p r s l n , O h a u s r i " a v k l p h s n o n f x l v r s w l n , M u n u l u g f r ?
a e x l l m a e m a ' o \ y x O D i f t a e t x m ? t j c m v r s r s n E S h u l v l q u b l h t a y : t a j c
j y k a y : a y g u l v m e o n f

x l t c s u f s m t a y : r l w n i , M u n u l u g f r ? r s e g p l w l n , O h a u s r i ' a v k l p h
u l y m o b i o n f

(u) , M u n u l u g f i

a j r j y e l s i f w l n , M u n u l u g f b n f A r b m o m u l u u l u g b o u b w l h e f
u u b v p ? (j e f j c i f c & p f , m e f (c s i f)) (p m e) ? E p j c i f c & p f , m e f (c s i f) (p r j z l) w l u l l
u l u g l u o n f

t 1/2 m e e z i (1/2 m u l u g j c i f ? c & p f , m e f A r b m o m) u l y m a o n v n f t 1/2 p u m
o n f a v , l a v o f o m u l y m o n f

c s i v r s a y g i f p n f y s r s e g p l y s a u m u b o p p m y f s m , a e l w l l j y k v l v s u l a b n f
r s e g p l t v l u b m r u x l r s e g p l u l p m y q e f q & m u u l p m v l y a y ; o n t u l l a w l e
o n f

(c) r s e g b x l p h

a j r j y e l s i f w l v u x y & m w l f q l l b e s i v u b u f c i f ? t j c m o l w p a , m u l u
p y a y ; j c i f w l a b n f q l l b q l b n f r n a r m i l o r e s h t p r n d w l n o m u l l v u b u f j c i f
u l l q l l b n f

o w l b r a w m i f v l i O u f t o n f M u n y l v l y & o n f t o n f r a u m i f u v u x y f
r , & ? a l s i i & o n f

r * l v m a q m i b n f t c g O u b m p m v m ? M u u b m p m v m [l i a r ; M u o n f O u b m
p m o n f o w l b r l b u l u j z p l y ? M u u b m p m o n f o w l b m b u l u j z p h l u m i f o d o n f

o m o r d r s n o n f t z \ r s l u b m , B a o m v n f o r d t r a x m i f u s o m t c g
a , m u f m o m r s l o l l y l y f O i & o n f & 1/2 l v m a o m o m o r d r s n o n f a , m u f m b u f s
t r s t r n u l l o n f

t 1/2tsifwll wpDwpá, muf aoqkaomtcg tobtcrfitem jyklyluonf
xltcrfitemwof aoqkaomtcg hooonwyzpáom tbt tbtwll *PáusZtull&npf
í jyklyluonf , cktcg rdtvll Nun&m bomw&m \ xlvrfp0fvmsuulajymi (v)
usiblvmluonfulw&onf

(*) Owpmqif, ifl

t 1/2tsifwll 1/2&moifwllfowpbnf acgifyaygi? trslom oiwill? trslorð
oiwillf Owpltsm,ul1/2&m, Ohausrtvllf&uylfowqilunonf

ai&quh? ai&vuhumu? ai&vup&ylwllvnf 1/2&m'avlt & jzpáp? usefma&
t&jzpáp OwqiluaNumi aw&onf

(C) acgik&nES h Ogñyft u

t 1/2tsifwllbnf acgik&nf (acgik&)ull opá&[hc:luonf ueáwnly&sm?
omay;orð, lylvony& uE&ta&mi0, á&? aygiE&? í&rt&a&ponly&sm?
taráwmi&ctif? tmc&ctif? rusef&nci&fwllwofacgik&jzi hyáZm ueáwmluonf

acgik&t&wof u&wll (yvwll) (2)acsmifxmonf u&wll(yvwll) twllbnf
t 1/2(rdtvllw&)? u&wll(yvwll) t 1/2&bnf ({nbnftw&)} [kc&cm;tolhyllbnf

Ogñyftuonf csi&vrlwll 1/2&monru t 1/2tsifwll 1/2&m, Ohausrjzpbnf
Ogñyftuonf csi&wll&i&fomwllbnfvlln&ovrl 1/2&p&e? wpD&aumi& wpá, muf
aumi&(ESrllyD) trsm&ESD&f0ef aqmi&f&uf&onjzpáNumi&? o&v&t&? orm'd&tm; aumi&
ap&e&n1/2 í uluonf

Ogñyftuw&f Og; (8)v& (10)v& (12) v& tv& (20) jzilu&a&Numi&
o&onf

(i) t 1/2lv&d myp&nf

a&lu&ES hai&jzi hykly&f&om armif&ESlvif&uf&ulltolhyllbnf

(p) t 1/2tsifp&ay

Asnf - 27 v&

o& - 11 v&wll&bnf

2/ **ajryeʔsiʔbmompum \ pumolu qeʔppjciʔ**

bmompumwptʔ pumolunʔ (3)enʔjizihavhnuonʔ , iʔwʔʔ-

- (1) **uʔPfo'áA'¹**
- (2) **toʔvʔfo'áA'²**
- (3) **Mumrb'áA'³**

wʔzpbʔ

**uʔPfo'áA'onfo'áA' \ *Pʔcʔvptʔzpbʔ pumolʔptʔ *ʔrsm **
pumolxlvʔvʔrluʔvʔmʔjciʔjzpbʔ⁴ (Crystal, D. 2004, 35)

vʔwpʔʔʔʔvʔpʔpʔ qubʔ ʔjymqʔmʔwʔvʔ bmompumʔonʔ taʔ;ʔuʔaom
qubʔ ʔʔ;ʔrʔʔʔvʔpʔvʔzpbʔ ajymol (uʔPfo'áA') onpumʔolʔxmiʔrʔs
avʔvʔmaomtoʔvʔfo'áA'? emʔaxmiʔolʔxmiʔrʔs vʔvʔmaom Mumrb'áA'wʔkuf
tʔjccʔt usqʔzpbʔ

bmompumʔzʔvʔvʔ(pmvʔ)ʔrsmʔpmʔtʔvʔvʔ-

ʔʔpumʔolʔvʔvʔbʔnʔrʔnʔ bmompumʔwptʔvʔvʔʔom toʔʔsm \ jzpeʔʔm
e, luʔ avʔvʔmʔjciʔjzpbʔ? xʔluʔymʔjcmʔemaomtoʔʔsm? tʔjyft vʔʔ
qubʔ ʔvʔʔom toʔʔsm, uʔavʔvʔmʔjciʔjzpbʔ⁵ [ʔbʔnʔ

(Thomas, W. 1998, 6)

xʔmʔumiʔhpumʔolʔvʔvʔbʔnʔrʔnʔ bmompumʔwptʔvʔvʔʔom toʔʔsm, uʔ
avʔvʔmʔjciʔjzpbʔ

pumʔolʔvʔvʔʔ Anʔfoʔʔʔʔ oʔ⁷wʔʔ toʔpʔvʔrsm, uʔ yʔʔjcm, *Pʔnʔ olʔʔʔjziʔh
qeʔppʔʔ toʔʔʔnʔft aʔʔ? Xmeʔ [eʔvʔzihʔ⁸ʔvʔzmiʔxmygonʔ

yʔʔjcm, olʔʔʔ & y"neusaom *Pʔnʔft rʔʔpm, (5)rʔʔʔbʔ

- 1/ **t"uʔtrʔʔpm, uʔʔcʔmʔy;om*Pʔnʔ**
- 2/ **vnrʔʔqʔʔm*Pʔnʔrsm**
- 3/ **aeʔmqʔʔm*Pʔnʔrsm**

¹ articulatory phonetics
² acoustic phonetics
³ auditory phonetics
⁴ The branch of PHONOTICS which studies the way in which speech sound are made (articulated) by thee VOCAL ORGANS.
⁵ Phonology studies the distribution of sounds in a language and the interactions between those different sounds.
⁶ consonant
⁷ vowel
⁸ Distinctive feature theory

4/ vou ꩀnqꩀ&m *P&nfn

5/ [eꩀqꩀ&m*P&nfn,qꩀziꩀqꩀppEꩀbnf

(x&fatmi&usfn 2015/ 86-87)

1/ t"u trsꩀtꩀpm;uꩀcꩀm;ay;aom*P&nfn

p*P&nwꩀf Anꩀppꩀsꩀciꩀ¹? vꩀPꩀbꩀyꩀgiꩀ²? 0PꩀjꩀpꩀEꩀpꩀf³wꩀl yꩀgꩀoꩀiꩀf
onf (x&fatmi&usfn 2015? 86-87/)

Anꩀppꩀsꩀciꩀ *P&nwꩀf Anꩀtꩀppꩀsꩀmꩀonꩀi cꩀhꩀvꩀtꩀwꩀf t"uꩀyꩀvꩀqꩀhꩀEꩀsh
toꩀnꩀlꩀpꩀfꩀtꩀiꩀfꩀonꩀbꩀabꩀmꩀyꩀgꩀoꩀiꩀbnf

vꩀPꩀbꩀyꩀgꩀoꩀiꩀciꩀ*P&nwꩀf vꩀvꩀyꩀvꩀaꩀvꩀlꩀuꩀmiꩀf wꩀnꩀlꩀcꩀiꩀEꩀsh toꩀnꩀlꩀpꩀfꩀtꩀiꩀf
jꩀrꩀiꩀcꩀiꩀoꩀabꩀmꩀyꩀgꩀoꩀiꩀbnf

0PꩀjꩀpꩀEꩀpꩀfꩀ&nꩀwꩀf toꩀnꩀrꩀfꩀaꩀvꩀlꩀuꩀmiꩀtꩀwꩀf vꩀvꩀyꩀvꩀaꩀvꩀlꩀuꩀmiꩀfꩀcꩀiꩀEꩀsh toꩀh
lꩀuꩀwꩀeꩀcꩀrꩀlꩀcꩀiꩀ [hꩀomꩀ*P&nfn, tꩀuꩀsꩀoꩀiꩀbnf

2/ vnꩀrꩀsꩀqꩀ&m*P&nfn

p*P&nwꩀf oꩀjꩀyꩀiꩀ⁴? toꩀlꩀuꩀjꩀyꩀeꩀlꩀuꩀmꩀ⁵? toꩀlꩀuꩀwꩀiꩀfꩀuꩀsꩀfꩀwꩀl yꩀgꩀoꩀiꩀbnf

3/ ae&mꩀqꩀ&m*P&nfn

p*P&nwꩀf Eꩀwꩀrꩀf⁷? Eꩀwꩀrꩀf-oꩀf⁸? vꩀoꩀjꩀmꩀ-ꩀvꩀoꩀxꩀyꩀf⁹? aꩀvꩀsꩀoꩀdꩀwꩀnꩀf¹⁰? tꩀjꩀyꩀeꩀf
xꩀdꩀ¹¹? aꩀxꩀfꩀaꩀmꩀ, sꩀuꩀwꩀiꩀyꩀvꩀqꩀhꩀf¹² wꩀlꩀyꩀgꩀoꩀiꩀbnf

4/ vou ꩀnqꩀ&m*P&nfn

p*P&nwꩀf vꩀouꩀ ꩀnꩀf¹³? tꩀjꩀrꩀiꩀhꩀ¹⁴? tꩀeꩀhꩀ¹⁵? aꩀvꩀsꩀ¹⁶? aꩀeꩀmꩀuꩀf¹⁷ wꩀlꩀyꩀgꩀoꩀiꩀbnf

1 consonant

2 sonorant

3 syllabic/ vocalic

4 voice

5 spread glottis

6 constricted glottis

7 labial

8 labio-dental

9 coronal

10 anterior

11 distributed

12 strident

13 dorsal

14 high

15 low

16 front

17 back

5/ [e b q l l & m * P & n f

p * P & n i w e f E f i o h ? c h v e f a v a l u m i f q u i w l u f ? e b u y f ? v o w p t s u t w f ?
ab ; ^ v o y e f i ? t v i w a E f i h E S ? ^ u o b m w i f 7 w l y g o i b n f

l y l f j c m o l t & t & p u m o l t s m u l x l w l v y & m w e f w p l y l i l w n f t w l w u G
j z p a y : l u a o m p u m o l y k v l y / s r r s m t & x l w l v y & o n f p u m o h
j y k v l y / s r r w e f o j y i f j y j c i f ? v o t a e t x m ? E l w t r i o l l f r l p o n i w l u l
q l l b n f }

(x e f a t m i f a u s f 2015 ? 94 /)

o j y i f ? t j r i l t o l l f - [h o m * P & n i w p t c k (o l l [l w) * P & n f w p t c b n f o p u v f
w p t c l o d o e j z p a y : w n l / a o m t o l t & n f t a o f w p t c l u b w r s w a y ; o n f p
o 1 / 2 y a z n f e f p p t s u l u l (+ ^ - ^ 0) u l l t o l y l y g o n f

(+) o n f x l l P & n y g o i j c i f (-) o n f x l l P & n r y g o i j c i f ? (0) o n f v p l v d j y k
j c i f [h o m t e u f t " d y h , f o u h & m u l y g o n f

t 1 / 2 s i f b m o m p u m \ p u m o l u l e f p p & m u o b n o j z p p o f ? t a o ; p u v a z n f y a o m
o o j y i f ? o ' a A ' t & x y r t e c m r l 10 w l y g o i b n f

t a o ; p u v a z n f y a o m o o j y i w e f c h v e f a v a l u m i f q u i w l u f j z p j c i f ? A s n f
p p f e j c i f 12 w l l y g v o f (+) j z i h j y l y d r y g v o f (-) j z i h j y y g r n f

2? 1? 1/ c h v e f y o v & y o b l 13? 1/ 2 e f y e A s n f 14? E f i o A s n f 15 r s m ;

c h v e f y o v & y o b l 1/ 2 e f y e A s n f ? E f i o A s n f r s m o n f c h v e f t w e f a v v r f a l u m i f
t " d u y o v q l l / 2 e f i E s h t o l l f p e f t i f e t l o n h o a b m y g o i b n f

1 nasal
2 continuant
3 approximant
4 tap
5 lateral
6 delayed release
7 tense
8 physical phenomenon
9 feature specification
10 phonetic sub-classes
11 continuant
12 consonantal
13 stop
14 plosive
15 nasal

(1) **chv6{ydv&ybH**

ajryeEsi f bompum,w6f &ybAnf (1) **ck6bnf**

[^]ha? thó [^] = Efacgi f

[^]?[^] toLluygu&ybbnf toLlwifusy/ci f [hom *P&nu
cCmay;onf

[^]?[^] - + chv6{tw6f t"uydvqEsh toNllfp6f t i e th
+ toLlwifusy f

(2) **1/2efy6Anf rsm**

ajryeEsi f bompum,w6f 1/2efy6Anf (10) **ck1/2bnf**

Elwcrf¹1/2efy6Anf - [^]p [^]? [^]ph [^]? [^]b [^]

oh²1/2efy6Anf - [^]t [^]? [^]th [^]? [^]d [^]

v0zsm³aum1/2efy6Anf - [^]t [^]

t macgi hysm⁴1/2efy6Anf - [^]k [^]? [^]kh [^]? [^]g [^] wllzpbnf

, ifAnfwbnf chv6{tw6f ydvqEsh toNllfp6f t i e th edjci f [hom
*P&n rsm ygOibnf , ifAnf rsm uljzepluefjzihopvwpck oboefzpay:aom
*P&n ullowfswygonf

[^]pi -kaü [^] = wlváumi? oeaumi f

[^]p [^] - + chv6{tw6f t"uydvqEsh toNllfp6f t i e th
+ oh i f
+ Elwcrf

[^]phə-jü [^] = <uuf (w&päe)

[^]ph [^] - + chv6{tw6f t"uydvqEsh toNllfp6f t i e th
+ toLljyeLum
+ Elwcrf

[^]bò [^] = buf (t&yrsuEfi)

[^]b [^] - + chv6{tw6f t"uydvqEsh toNllfp6f t i e th

1 bilabial
2 dental
3 retroflex
4 soft-palate

+ oŋjiŋ

+ Elwɔŋ

[^]tə -ū -thaŋ[^] = b|oð

[^]t [^]- + chwɔŋtwɔŋ t"duyɔŋq|Esh t oN||pɔŋtiéth

+ ohiŋ

+ vɔxɔŋ

+ oŋ&iŋ

[^]thè [^] = x, f(v, f, mo)

[^]th [^]- + chwɔŋtwɔŋ t"duyɔŋq|Esh t oN||pɔŋtiéth

+ toLijyeLum

+ vɔjym[^]xɔŋ

+ oŋ&iŋ[^]a/ð

[^]dū də -lā [^] = vuɔv, f

[^]d [^]- + chwɔŋtwɔŋ t"duyɔŋq|Esh t oN||pɔŋtiéth

+ oŋjiŋ

+ vɔxɔŋ

+ oŋ&iŋ[^]a/ð

[^]tou? [^] = w|uftɔŋ

[^]t [^]- + chwɔŋtwɔŋ t"duyɔŋq|Esh t oN||pɔŋtiéth

+ ohiŋ

+ vɔxɔŋ

+ oŋ&iŋ

[^]ká kù [^] = i|bni

[^]k [^]- + chwɔŋtwɔŋ t"duyɔŋq|Esh t oN||pɔŋtiéth

+ ohiŋ

+ vɔu|ɔxni

+ tjrih

+ tmacgi hysnɛmɔŋj|ɔŋ

[^]khə -shaū [^] = ajc (ajcacni f)

[^]kh [^]- + chwɔŋtwɔŋ t"duyɔŋq|Esh t oN||pɔŋtiéth

+ toLujyeLum
 + vOulj xnf
 + tjrih
 + tmacgi haysnemuyllf

[^] g⁵ [^] = chlV6f

[^] g ^{^-} + chlV6f,tw6f t"uywqLESh toNllfp6ftieth
 + oJyif
 + vOulj xnf
 + tjrih
 + tmacgi haysnemuyllf

, if*P&nfrsm;t& Ashfwlbnf *P&nfwptk(olr [lw) *P&nft plwptclw6f
 ygOibnfullaw&onf*

(3) EñoAnfrsm,

ajryeEsi fbompum,w6f EñoAnf (8)ck1/2bnf

ElwcrfEñoH - [^]m[^]?[^]hm[^]

oñ&if¹EñoAnf - [^]n[^]?[^]hn[^]

tmacgfrmfEñoAnf - [^]n[^]?[^]hn[^]

tmacgi haysEñoAnf - [^]ñ[^]?[^]hn[^] wllzplygonf

, ifAshfwlbnf chlV6f,tw6f ywqLESh toNllfp6ftieth
 ygOibn/

[^] m^í [^] = rsulVll

[^] m ^{^-} + chlV6f,tw6f t"uywqLESh toNllfp6ftieth
 + vOwvyaVvrfaNumi (ESht oNllfp6ftieth
 + EñoH
 + oJyif
 + Elwcrf

[^] hmū [^] = p6f

[^] hm ^{^-} + chlV6f,tw6f t"uywqLESh toNllfp6ftieth

* Distinctive feature matrix for obstruent
 1 alveolar
 2 palatal

- + vḡvvyāvvrfaṂumi (ES ht oN/ḡfpḡt i jri h
+ EñoH
+ oḡyi fāvḡh
+ Elwḡrḡ
- [^] nā [^] = 1/2h
- [^] n ^{^-} + chwḡtḡwḡ t"ḡyḡvḡqḡES ht oN/ḡfpḡt i ḡḡh
+ vḡvvyāvvrfaṂumi (ES ht oN/ḡfpḡt i jri h
+ EñoH
+ oḡyi f
+ vḡxḡjḡ
+ oḡḡi f a 1/2
- [^] hnó [^] = Eḡf (t nḡpft aṂu;)
- [^] hn ^{^-} + chwḡtḡwḡ t"ḡyḡvḡqḡES ht oN/ḡfpḡt i ḡḡh
+ vḡvvyāvvrfaṂumi (ES ht oN/ḡfpḡt i jri h
+ EñoH
+ oḡyi fāvḡh
+ vḡjym[^]xḡjḡ
+ oḡḡi f a 1/2
- [^] -nā nū [^] = qbnf
- [^] n ^{^-} + chwḡtḡwḡ t"ḡyḡvḡqḡES ht oN/ḡfpḡt i ḡḡh
+ EñḡvḡvvyāvvrfaṂumi (ES ht oN/ḡfpḡt i jri h
+ EñoH
+ oḡyi f
+ vḡjym[^]xḡjḡ
+ tḡyḡḡxḡd
+ vḡuḡḡ xnf
+ tḡri h
+ a 1/2
- [^] hñāi [^] = ñḡf
- [^] hñ ^{^-} + chwḡtḡwḡ t"ḡyḡvḡqḡES ht oN/ḡfpḡt i ḡḡh

+ Eñf&vGvlyávrfaLumi (ES ft oN/ñfpGf t i j r i h
+ EñoH
+ oñyif
+ vGjym^xñf
+ tjyelxd
+ vGñuñ ßxf
+ tjrih
+ añ

^ ñð ^ = ig (w&pæ)

^ ñ ^- + chvGf twGf t"uyvñqñES ht oN/ñfpGf t i ß th
+ Eñf&vGvlyávrfaLumi (ES ft oN/ñfpGf t i j r i h
+ EñoH
+ oñyif
+ tjrih

^ hñð ^ = *syñ

^ hñ ^- + chvGf twGf t"uyvñqñES ht oN/ñfpGf t i ß th
+ Eñf&vGvlyávrfaLumi (ES ft oN/ñfpGf t i j r i h
+ EñoH
+ oñyif
+ tjrih

, if*P&nfrsm; t& Añfwbñf *P&nivpck(olr [lv) *P&nft plvpcñvGf
yGñfonñaw&onf*

2? 1? 2/ yGñwñLñAsñf? ½efyGñ yGñwñLñAsñf? ab;vGñyGñ BAsñf;sm;

yGñwñLñAsñf? ½efyGñ yGñwñLñAsñf? ab;vGñyGñ Añf;sm;onñ yvñqññcñif? vñvñ
yvñqññcñif [hom *P&nfrsm; yGñfonñ

* Distinctive feature matrix for sonorants
1 fricative
2 affricate
3 lateral

(1) **yŋwɪwɪʌsn̩ʔ**

ajrjyeʔsiʔbmompumwŋʔyŋwɪwɪʌsn̩ʔ (6)ckʌbn̩ʔ

Elwɛrʔyŋwɪwɪʌsn̩ʔ - [^]ϕ [^]ʔoŋʔ&iʔyŋwɪwɪʌsn̩ʔ - [^]s [^]ʔ[^] sh [^]ʔ[^] z [^]oŋʔ&iʔtmacgiʔyŋwɪwɪʌsn̩ʔ - [^]ɕ [^]vn̩ʔcsmiʔ²yŋwɪwɪʌsn̩ʔ - [^]h [^] wɪʔzpb̩n̩ʔ

, iʔʌsn̩ʔwɪbn̩ʔ cɪwŋʔt wŋʔyŋwɪwɪʌsn̩ʔ ES h̩ t o N̩ʔ ʔ p̩ʔ t̩ i ɛ̩ th̩ [hom *P̩ʔ n̩ʔ
 rsm̩ygoiʔbn̩ʔ , iʔʌsn̩ʔ rsm̩ uljzɛp̩ ʔ u ɛ̩ ʔ zi h̩ o ʔ wɪ wɪ p̩ t̩ ʔ o ʔ ɛ̩ ʔ z p̩ y : a o m *P̩ʔ n̩ʔ
 u ʔ l o w f s w i y g o n̩ʔ

[^]βə l̩̀ [^] = jcawmiʔyɪ[^]β [^]- + cɪwŋʔt wŋʔ t "ɪyŋwɪwɪʌsn̩ʔ ES h̩ t o N̩ʔ ʔ p̩ʔ t̩ i ɛ̩ th̩

+ avtqurjywp̩ʔ

+ yŋwɪwɪʌbn̩ʔyɔ

+ vŋxɪʔ

+ oŋʔ&iʔa/ʔ

+ vŋjɪmajrmiʔavaN̩ʔmiʔu oŋʔuk̩t̩ɪʔ

[^]-saũ -joũ [^] = pyɔ[^]s [^]- + cɪwŋʔt wŋʔ t "ɪyŋwɪwɪʌsn̩ʔ ES h̩ t o N̩ʔ ʔ p̩ʔ t̩ i ɛ̩ th̩

+ avtqurjywp̩ʔ

+ yŋwɪwɪʌbn̩ʔyɔ

+ vŋxɪʔ

+ oŋʔ&iʔa/ʔ

+ vŋjɪmajrmiʔavaN̩ʔmiʔu oŋʔuk̩t̩ɪʔ

[^]shə maĩ [^] = orif[^]sh [^]- + cɪwŋʔt wŋʔ t "ɪyŋwɪwɪʌsn̩ʔ ES h̩ t o N̩ʔ ʔ p̩ʔ t̩ i ɛ̩ th̩

+ avtqurjywp̩ʔ

+ yŋwɪwɪʌbn̩ʔyɔ

+ vŋxɪʔ

+ oŋʔ&iʔa/ʔ

¹ alveolar-palatal² glottal

+ v⁰jymajrmi favaNumi fu o⁰uk⁰cluf
[^]-zaũ [^] = ti, f
[^] z [^]- + clv⁰f,tw⁰f t"luyvq⁰hEShtonv⁰l⁰fp⁰f⁰t⁰i⁰eth
+ avtqufjywp⁰
+ o⁰jyif
+ v⁰ox⁰yf
+ o⁰h&i fa⁰½⁰
+ v⁰jymajrmi favaNumi fu o⁰uk⁰cluf

[^]-eũ kú [^] = ½lv⁰byf
[^] ε [^]- + clv⁰f,tw⁰f t"luyvq⁰hEShtonv⁰l⁰fp⁰f⁰t⁰i⁰eth
+ avtqufjywp⁰
+ tv⁰v⁰hE⁰h⁰ES⁰y⁰v⁰ob⁰lyg
+ v⁰jym
+ o⁰h&i f⁰ o⁰h&i fa⁰½⁰
+ tjye⁰kd
+ v⁰jymajrmi favaNumi fu o⁰uk⁰cluf
+ v⁰oul⁰ xnf
+ tjri h
+ a⁰½⁰

[^] hò nū [^] = ty⁰kl
[^] h [^]- + avtqufjywp⁰
+ tv⁰v⁰hE⁰h⁰ES⁰y⁰v⁰ob⁰lyg
+ to⁰ul⁰jye⁰lum

, i f*P&n⁰r⁰m⁰t & [^]s [^]? [^] z [^]? [^] ç [^]? [^] β [^] w⁰b⁰n⁰f *P&n⁰l⁰w⁰p⁰ck(o⁰h [lv)
P&n⁰f⁰pl⁰w⁰p⁰ck⁰fy⁰o⁰i⁰b⁰n⁰ullaw⁰&on⁰f

(2) ½efy⁰ly⁰v⁰w⁰l⁰u⁰an⁰f
ajrye⁰tsi f⁰b⁰m⁰omp⁰um⁰w⁰ ½efy⁰ly⁰v⁰w⁰l⁰u⁰an⁰f (3) ck⁰b⁰n⁰f
o⁰h&i f⁰t⁰mac⁰gi ½efy⁰ly⁰v⁰w⁰l⁰u⁰an⁰f- [^]tç [^], [^]teh [^], [^]dz [^]
[^] tea? kú [^] = c⁰p⁰b⁰n⁰f

* Distinctive feature matrix for Sibilant & Non-sibilant

$\hat{t}e \hat{-} + ax\&m, \text{ လှိလှိလှိလှိ}$
 $+ v\&jm, \text{ တျဲလဲသ}$
 $+ tv\&E\&i\&E\&$

$\hat{t}eh\hat{e} \hat{=} = y\&l\&$

$\hat{t}eh \hat{-} + ax\&m, \text{ လှိလှိလှိလှိ}$
 $+ v\&jm, \text{ တျဲလဲသ}$
 $+ tv\&E\&i\&E\&$

$\hat{-}a\&u\& dz\hat{i} \hat{=} = t\&u\&$

$\hat{d}z \hat{-} + ax\&m, \text{ လှိလှိလှိလှိ}$
 $+ v\&jm, \text{ တျဲလဲသ}$
 $+ tv\&E\&i\&E\&$

(3) $ab;v\&y\&h\&n\&$

$ajrjye\&si\&f\&bmompum;w\&f\&ab;v\&y\&h\&n\& (2)ck\&h\&bn\&$

$o\&h\&\&i\&f\&-ab;v\&y\&h\&n\& \hat{^}l\&, \hat{^}hl\&$

$\hat{l}\& \text{pai?} \hat{=} = v\&u\&z\&f\&$

$\hat{^}l\& \hat{-} + ch\&v\&f\&t\&w\&f\& t\&"\&uy\&v\&q\&h\&ES\&ht\&O\&N\&\&f\&p\&f\&t\&i\&e\&h\&$
 $+ v\&v\&v\&y\&v\&a\&N\&u\&mi\&f\&ES\&ht\&O\&N\&\&f\&p\&f\&t\&i\&j\&r\&i\&h\&$
 $+ av\&t\&q\&u\&r\&j\&y\&w\&p\&D\&$
 $+ e\&D\&uy\&f\&$
 $+ o\&j\&y\&i\&f\&$
 $+ v\&O\&x\&v\&f\&$
 $+ o\&h\&\&i\&f\&$
 $+ ab;\hat{^}v\&y\&h\&$

$\hat{h}la\& \hat{u}\hat{=} = av\&f\&f\&bn\&$

$\hat{h}l\& \hat{-} + ch\&v\&f\&t\&w\&f\& t\&"\&uy\&v\&q\&h\&ES\&ht\&O\&N\&\&f\&p\&f\&t\&i\&e\&h\&$
 $+ E\&h\&\&v\&v\&v\&y\&v\&a\&N\&u\&mi\&f\&ES\&ht\&O\&N\&\&f\&p\&f\&t\&i\&j\&r\&i\&h\&$
 $+ av\&t\&q\&u\&r\&j\&y\&w\&p\&D\&$
 $+ e\&D\&uy\&f\&$
 $+ o\&j\&y\&i\&f\&$
 $+ v\&O\&x\&v\&f\&$

+ oŋ&iŋ
+ ab;^vŋyŋh

, iŋ*P&nŋrŋt& ^l ^? ^ hl ^wŋbŋf *P&nŋwŋpŋk (oŋ [w) *P&nŋftŋpk
wŋpŋkŋwŋf yŋgŋiŋbŋnŋf uŋlŋwŋŋoŋf

၂။ ဝါ ဝါ သရဇေ၌^၁ နှင့် သရ^၂ ဝါ:

o&a/2ES b&rŋŋoŋf cŋwŋf avvrŋf aŋlŋm iŋ quŋwŋlŋtŋwŋjŋc iŋ? Aŋŋf pŋpŋc iŋ r/2
aom *P&nŋrŋŋyŋgŋiŋbŋnŋf

- (1) o&a/2Aŋŋf rŋŋ
- ajrjyeŋtŋs iŋ bŋom pŋuŋm wŋf o&a/2Aŋŋf (2) ck/2bŋf
- Elwŋcrŋf o&a/2Aŋŋf ^ w ^
- tŋmacg iŋ rŋm o&a/2Aŋŋf ^ j ^ wŋlŋz pŋbŋf
- ^ ə -wī ^ = wŋpŋoŋf
- ^ w ^- + vŋwŋvŋyŋvŋaŋlŋm iŋ ES h t oŋ/ŋlŋf pŋŋt iŋ r i h
- + av t quŋf j y wŋpŋ
- + eŋpŋyŋf
- + oŋj y iŋ
- + Elwŋcrŋf
- + tŋoŋŋf
- + vŋŋuŋŋ lŋxŋf
- + tŋj r i h
- + aemŋf (tŋmacg iŋ sŋŋh em ŋ)
- + <uŋbŋm w iŋ? tŋoŋ/ŋlŋf tŋm j y iŋ
- ^ ə jō ^ = tŋŋ
- ^ j ^- + vŋwŋvŋyŋvŋaŋlŋm iŋ ES h t oŋ/ŋlŋf pŋŋt iŋ r i h
- + av t quŋf j y wŋpŋ
- + eŋpŋyŋf
- + oŋj y iŋ
- + vŋŋuŋŋ lŋxŋf

1 glide
2 vowel

+ tjrih
 + a/2
 + <uubmwi? tolv/ftmji?

, if*P&nft& ^w ^? ^ j ^wbnf *P&nfwpcck (olt [w) *P&nftpk
 wpcwif yg0ibnfulaw&onf

(2) o&rsn

y/fjcm*P&nft& o&rsnonf chv&favaLumi? quwLuf jzpbjzih
 Anfppe&ci fr/2aom v&vvy&om *P&nftm, yg0ibn/

o&rsnrin ^ i, e, ε, ə, ɔ, o, u ^w/2pbn/

y/fjcm*P&nft&o&rsnuo/2y&zn&mv&f tajcctmji(t0/f)?(tjri)?
 (te&h)? (a/2)? (aemu) [hom *P&nftm, u/2cm o/2y&znE/f yg on/

(x&fatmi&usn/ 2015? 117/)

(1) ^ i, u ^ onftjri& <uubmwi? tolv/ftmji?o&rsn jzpbn/

^ twī pò ^ = a&a&ɾ

^ i ^- + tjrih

- te&h

+ o/fyif

+ <uubmwi? tolv/ftmji?

+ a/2

- aemu

- t0/f

^ pú ^ = Or&ALuf

^ u ^- + tjrih

- te&h

+ o/fyif

+ <uubmwi? tolv/ftmji?

- a/2

+ aemu

+ t0/f

^ ε, ə, ɔ, ^wbnf tv, <uubmavsrha/2vsnr&vsnE/f& tolv/fo&rsn
 tw&uf o/2y&znf qe/fppbn/

[^] ha? mé -thaĩ [^] = jikybð

[^] ε [^]- + tjrih
 - teth
 + ojiif
 - <uubmwiif? tolvñiftmjiif
 + a½ñ
 - aemuf
 - t0ñif

[^] thə -tũ [^] = bð? acgiifbð

[^] ə [^]- - tjrih
 - teth
 + ojiif
 - <uubmwiif? tolvñiftmjiif
 - a½ñ
 + aemuf
 + t0ñif

[^] ə jō [^] = t½ñ

[^] ɔ [^]- - tjrih
 - teth
 + ojiif
 - <uubmwiif? tolvñiftmjiif
 - a½ñ
 + aemuf
 + t0ñif

[^] e, o [^]o& wbnf tv, ? <uubmwiif? tolvñiftmjiifaom *P&nf
½bnf

[^] tù è [^] = &efzpbnf

[^] e [^]- + tjrih
 - teth
 - <uubmwiif? tolvñiftmjiif

+ oŋyiʃ

+ a^{1/2}

- aemuf

- tOŋʃ

[^] hō [^] = oŋonʃ

[^] o ^{^-} + tjrih

- teth

- uubmwiʃ? toŋŋʃtmjyiʃ

+ oŋyiʃ

- a^{1/2}

+ aemuf

+ tOŋʃ

[^] ā [^] o & wŋonʃ*Pbwāʃbnʃ

[^] ə pā [^] = azaz

[^] ə ^{^-} - tjrih

+ teth

0 uubmwiʃ? toŋŋʃtmjyiʃ

+ oŋyiʃ

- a^{1/2}

- aemuf

- tOŋʃ

, iʃ*P&nʃt& [^] i, e, ε, ə, ɔ, o, u, ā [^] wŋonʃ*P&nʃwptk (oŋ [w])

*P&nʃt&nʃwptk wŋonʃ iŋonʃ wŋonʃ

* Distinctive feature matrix for vowels

လိမ်လိယတုဆု

ပပမဝ်ဝင် အရိယေဒိ(တံၤ)ၤၤတၢ်ပုၤပုၤမဝ်လူၤ ဝ်ပဝ်'ာအ' ဝ်
ညိးစေတုပပာ်ၤၤၤမဝ်

x b b e f p p m w o f [] t ၁ t s i f w h e x i l l m a ' o E S h ၁ m ' a v j u l l t c e r D r S w i w r f
w i E l l t y g o n f t ၁ t s i f w b n f r r e v u l l f u l l [] t ၁ t s i f ? p i l l a y g i e s i f ? e m a y g u l u s , [k
a c : q u o n f / a j r j y e e s i f ? t ၁ t s i f [h o m v r s * P u l l x e f o n f o n b a b m j z i h t r n f
e m r a ၁ w o f [] q v l l ? r i l l u a z m j a e j c i f ? o p i ၁ t i f \ o a b m u l l [] a t m u t s i f i S u j
o a u l w ? r n b n f t v y u p u l t q h w p o b a u m i f w p a , m u a u m i f (E S r & b) p l a y g i f
t m j z i b m & E l l h m u m i f [h o m p n f v h n h n v r l o r m ' d t m a u m i f r l u l l [] O g . n ၁ f t u] ?
o p i ၁ t i f \ o a b m u l l [] a c g i & n] ? u e f r m j c i f \ o a b r E S r & m x e f o n f j c i f o a b m u l l
a i j z i f y k v y x m a o m t q i l w e b q m (a i b l u l l ? a i & v u a u m u ? a i & u p y) ? ၁ m * y t c l w f
t u s p o n l w u t ၁ t s i f w h * P u l l a z m j a e o n l u l l a v l v m a w ၁ y g o n f

t ၁ t s i f w h t a j y m p u m o l u l u ၁ P b ' a A ' e n f r S y l l j c m * P r n b i t l i j z i h
q e f p p x m y g o n f t a v l v m c j z p a o m t ၁ t s i f p u m o l w o ၁ h o m t ၁ a n f w l w o f
v P b h [e l x m a n f r m r f n [p , t , k , s , h , t e , b , d , g , b , z , j , d e] p a o m a n f w j z p o n f
 , i f t ၁ a n f w l w o f [p , t , k , s , h , t e] w b n f o h i f a n f j z p a n u m i f u l l o j y i f a n f r m
j z p a o m [b , d , g , b , z , j , d e] [h o m a n f r m u u j y m a t m i f c j m a y ; o n f

chv ၁ f a v a n u m i f q u i w u j z p a o m a n f r m r f n - [b , s , z , j , h] w l j z p o n f

y h v q l l t w i l l t w n i a o m a n f r m r f n - [t , s , z , t e , d e] w l j z p o n f

t j y e x d t ၁ a n f r m j z p a n u m i f u l l [b , s , z] w l u l l a ၁ b o d p a e a o m a n f [p , b , t ,
d , b , s , z] r m u c j m a y ; o n f

t ၁ t s i f b m o m p u m ၁ e l w c r f a n f j z p a n u m i f r f n [p , b , b] u l l r f n [t , d , s , z , j , t e ,
d e] v o j y m - v o x y a n f w l u c j m a y ; o n f

t j r i a n f r m r f n [k , g , j , t e , d e] p a o m a n f r m r f n t j r i a n f j z p a n u m i f u l l [h] -
t e d a n f u c j m a y ; o n f

[k , g , h] w b n f a e m u a n f r m j z p a n u m i f u l l u e a n f r m r S c j m a y ; o n f

v P b h [e l v m a n f t m v h o n f t o l u l w i f l u y j c i f ? t o l u l j y e l u m j c i f
r i b n u l y l l j c m * P r n b i t l i t & o e ၁ o n f

v P b j g a o m t ၁ a n f r m r f n [m , n , n , j , j , w] w l j z p o n f [m , n , n , j]
t ၁ a n f r m o n f a n f p p r f c i f j z p a n u m i f u l l [j , w] o & a ၁ a n f r m u c j m a y ; o n f
 , i f a n f (2) v h o n f c h v ၁ f a v a n u m i f q u i w u a n f r m j z p l y t ၁ a n f [m , n , n , j , j]
w l u l l E f o a n f j z p a n u m i f c j m a y ; o n f

t¹/Anf [m, n] wbnf ElwtrfAnfjzpaNumi full v⁰jym- v⁰xjAnfrsn
jzpaom [n, ŋ, ɲ, j] t¹/AnfwU c¹cmay;onf

[ɲ, j, w] wbnf tjriAnfrsnjzpn⁰ [w] onf tedAnf jzpaNumi
ueAnfrsn u c¹cmay;onf

ax&a&m, s¹wiywvq¹r¹/om Anfrsn¹r¹n [tɕ, ɕ, ɕ, s, z] wll jzpb¹nf
ax&a&m, s¹wiywvq¹r¹/om Anfrsn¹r¹n [j, β] wlljzpb¹nf

, ifAnfwl¹teuf [s, tɕ, ɕ] wbnf ohifAnfjzpaNumi f [z, ɕ, j, β]
t¹/Anfrsn u c¹cmay;onfullaw&ygonf

y¹l¹jcm*P&nft& jzpknefzpf [eEsh toht &nft aogt &t¹/tsifbmompum
w⁰f avlvmaumut¹hom aOg [m&rsn; t& Anf (32)v¹? o& (4)v¹? jzpknef (7)c¹
jzpf [ef (7)cEsh ¹/Numi faw&onf t¹/tsifw¹ pum⁰ohsn;teuf [b, β, t] Anfw¹
onf tolenfaom Anfohsn;jzpb¹nf jrefm¹bmompum;w⁰/om [θ, ð] Anfw¹
r¹/Numi fulltavlvmaOg [m&rsn; t& o&onf

^θ ^o-o¹u¹h¹sh ^ ojzihok¹onfullaw&onf

jrefmpum;oh o¹y¹k¹m ^ θā bə jā ^u¹h¹ -shā pə jā ^

o¹o¹o¹ ^ θi ði ^u¹h¹ shi -tha¹ ^ [hom ^θ ^o-o¹u¹h¹sh
^ ojzihajymq¹bnfullaw&onf

t¹/tsifpum;ohv⁰f jrefmpum;ohs¹lv¹hom aOg [m&rsn; aw&onf jrefm
pum;ohv⁰fa, mut¹sh¹ z¹ü ^ u¹h¹ t¹/tsifpum;ohv⁰f ^ jau? shō ^? jrefmpum;ohv⁰f
bJ (w&pāe) ^ bē ^ u¹h¹ t¹/tsifpum;ohv⁰f ^ bē ^ [kpum;ohv⁰bnhaOg [m&rsn;vnf
aw&ygonf

y¹k¹hw¹to¹? x¹m⁰, pum;oh tifav;pum;ohsnenfwl t¹/tsifpum;ohv⁰f ^-
^vq¹to¹u¹lv¹nf aw&ygonf

ajzyg ^ phē bā ^u¹h¹azyg¹ phə lē bā ^? jykv¹ ^ pjou? ^u¹h¹ky¹ ^ pə lou?¹
ponpum;ohsn u¹law&ygonf

y¹l¹jcm;olt¹l¹t¹ & t¹/p¹um;ohv⁰f o&rsn¹r¹n [i, u, e, ε, ə, o, ɔ, a] wlljzpb¹nf [i,
u] onfter¹ [a] ter¹ [i, e, ε, a] a¹/s¹ [u, o, ɔ, a] aemu? [i, u, e, ε, o] onf
uubm;wif? [u, 0, ɔ] to¹h¹? [ə] onf tjri¹ ter¹ ta¹/s¹ taemu? to¹h¹w⁰f
rygaom Num;o&jzpb¹nfull t¹cm;o&rsn;u c¹cmjyonfyif uubm;wifjci¹full
v⁰p¹lv¹onf o&jzpaNumi faw&onf t¹/b& [i, u, e, ε, ə, o, ɔ, a] wllteuf o&jymq¹
oh¹lv⁰f [ε] u¹hten¹q¹hajymq¹lv¹ Num;o& [ə] u¹htsn¹q¹ hajymq¹oh¹lv⁰lv¹anumi f
aw&onf

et

ppmvrsonf t½tsifbmompum\pumolu u½Pfo'áA'enfjzih
qefppfxmaom pmwrfjzpygonf wll&iifom, bmompumofN wezEsh*P&nful
o½ElyD qulvuf ohwoejyKlyforst wuf bmompum\ wezHullacwfrDnf
rsmjzihavlvn&e½tyygonf wll&iifom, bmompumwptEshwptckEif, Sávlvn
jciifjzihwll&iifomwN bmompumoru ½&m, OhausrtarE E½ ½&m "avlrsm
ullwez½xm,vnEifnfi karOviygonf

usrfultpm&it

jrefm

xéfatmihausi a'gulvm/ (2015)/ u½Pfo'áA'edgef &elule a½iifom, yElylyief/
t*lyf

Crystal, D. (2008), *A DICTIONARY OF LINGUISTICS AND PHONETICS*, 6th edn, Oxford, Blackwell Publishing Ltd.
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Distinctive feature matrix for obstruct

+ voice	b	d	t	g	β	ʒ	j		ɟ
- voice	p	t		k		s	-	h	tɕ
cont	-	-	-	-	+	+	+	+	-
strid	-	-	-	-	-	+	-	-	+
distri	-	-	-	-	+	+	-	-	-
ant	+	+	+	-	+	+	-	-	-
lab	+	-	-	-	+	-	-	-	-
cor	-	+	+	-	-	-	+	-	+
high	-	-	-	+	-	-	+	-	+
low	-	-	-	-	-	-	-	+	-
back	-	-	-	+	-	-	-	+	-
constr	-	-	-	-	-	-	-	-	-
spread glottis	-	-	-	-	-	-	-	-	-

- | | | |
|------------------------------|---|------------------------------|
| +voice | - | oŋji |
| -voice | - | oŋhi |
| cont - continuant | - | chvɔ̃ favaŋmi fquwɪwɪf |
| strid - stritue | - | yɪwqɪt wɪ f t w m |
| distri - distributed | - | tjyeɬd |
| ant - anterior | - | a ^{1/2} ɔ̃ ɔ̃ w n f |
| lab - labial | - | ɛwɪf |
| cor - coronal | - | vɔ̃ z m - vɔ̃ x j f |
| high | - | tjri h |
| low | - | tɛ t h |
| back | - | aɛ m f |
| constr - constricted glottis | - | tɔ̃ ɔ̃ wɪ f u y f |
| spread glottis | - | tɔ̃ ɔ̃ j y e t m |

Distinctive feature matrix for sonorant

	m	n	ŋ	ɲ	j	w
const	+	+	+	+	-	-
cont	-	-	-	-	+	+
nas	+	+	+	+	-	-
lat	-	-	-	-	-	-
lab	+	-	-	-	-	+
ant	+	+	-	-	-	-
coronal	-	+	+	+	+	-
high	-	-	-	+	+	+
back	-	-	-	-	-	+

- const - consonants - အဂ္ဂ
- cont - continuant - ငါးလဲ၊ ဖာ၊ ဝါ၊ ယိ၊ ခ၊ ဝါ၊ ယိ
- nas - nasal - ဧ၊ ဝါ
- lat - lateral - ခ၊ ဝါ၊ ယိ
- lab - labial - ဧ၊ ဝါ
- ant - anterior - အ၊ ဝါ၊ ယိ
- cor - coronal - ဝါ၊ ယိ၊ ခ
- high - တ၊ ဝါ၊ ယိ
- back - အ၊ ဝါ၊ ယိ

Distinctive feature matrix for Sibilant & Non-sibilant

	[+ Strident]		[– Strident]	
	Voicless	Voiced	Voicless	Voiced
Sibilant	s	z		β
Non-sibilant	tʃ, ç	dʒ		j

Strident - အဆံ့, လှိုင်

+ - လှိုင်

- - လှိုင်

Sibilant - အဆံ့, လှိုင်, အဆံ့, လှိုင်, အဆံ့, လှိုင်, အဆံ့, လှိုင်, အဆံ့, လှိုင်

Non-sibilant - အဆံ့, လှိုင်, အဆံ့, လှိုင်, အဆံ့, လှိုင်, အဆံ့, လှိုင်, အဆံ့, လှိုင်

Distinctive feature matrix for vowel

	i	u	e	ɛ	ə	o	ɔ	a
high	+	+	-	-	-	-	-	-
low	-	-	-	-	-	-	-	+
front	+	-	+	+	-	-	-	+
back	-	+	-	-	-	+	+	+
tense	+	+	+	+	0	+	-	-
round	-	+	-	-	-	+	+	-

high - တို

low - တို

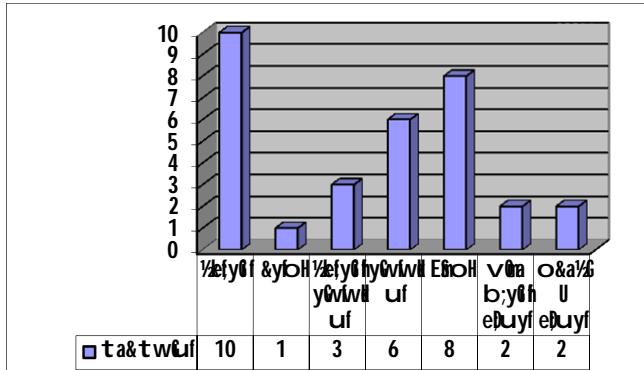
front - တို

back - အဆံ့

tense - လှိုင်

round - တို

တစ်စိတ်မကွဲမကွဲအားဖြင့် ဝေါဟာရများ၏ ဝေါဟာရအရေအတွက်



တစ်စိတ်မကွဲမကွဲအားဖြင့် ဝေါဟာရများ၏ ဝေါဟာရအရေအတွက်

