

1964cEပိ် Zေ် 10&uပ် jyn&b&; Xme\ tre&Bunjimpnjizih us&ပိ်ဖ်/ါ် full arn&v&၀်
c/ါ် င် vn&faumိ? us&ပိ်ဖ်/ါ်, full o&j&Z&y&၀်, င် vn&faumိ, ajymိ/v&b&w&၀်
cb&j&ziho&j&Z&y&၀် [kp&w&i&f&ay:ay&gu&v&m&cb&၀်

o&j&Z&y&၀် kac:w&၀်&ji&f&၀် tj&z&la&၀်mi&၀် b&၀်j&ym&၀်w&၀်zi&h&၀်x&၀်ma&၀်om Z&၀်yi , full t&၀်p&၀်j&၀်
o&j&Z&y&၀် kac:w&၀်&v&၀်m&၀်ji&၀် j&၀်p&၀်y&၀်gon/ 1974cEပိ်w&၀်f&၀် p&၀်wi&၀်vn&၀်x&၀်mi&၀်cb&၀်nh&၀်Z&၀်y&၀်u&၀်av;\
wn&၀်&၀်mon&၀်f&၀်o&j&၀်Z&၀်y&၀်၀်\ rv&၀်Z&၀်m&၀်v&၀်&၀်&၀်j&၀်p&၀်၀်/ x&၀်Z&၀်y&၀်u&၀်၀် ၁/ါ်u&၀်av;w&၀်p&၀်/ါ် j&၀်p&၀်v&၀်m
၀်/၀် x&၀်၀်ဖ်/ါ်, ၁/ါ်p&၀်u&၀်&၀်m ဖ်/ါ်တ&၀်j&၀်p&၀်၀် 1964cEပိ်w&၀်f&၀် a&၀်mu&၀်&၀်y&၀်gon/ , c&၀်k&၀်cg , i&၀်Z&၀်y&၀်၀်
t&၀်E&၀်ပိ် (100)a&၀်us&၀်v&၀်၀်/ါ် j&၀်p&၀်y&၀်gon/] , ck x&၀်p&၀်x&၀်Dr&၀်m&၀်r&၀်&၀်e&၀်on&၀်h Z&၀်y&၀်z&၀်lav;၀် 1974cEပိ်
r&၀်w&၀်ါ် u&၀် op&၀်ါ်w&၀်ါ် v&၀်;ac&၀်s&၀်ါ် f&၀်p&၀်u&၀်lum z&၀်u&၀်ါ်/ါ် u&၀် e&၀်f&၀်c&၀်၀်ma&၀်&၀်&၀်e&၀်f Z&၀်yi , ဖ်;၀်r&၀်om j&၀်p&၀်၀်
, i&၀်Z&၀်yi , ဖ်;၀်on&၀် yi? O&၀်u&၀်v&၀်D&၀်aus&၀်၁/ါ်&၀်s&၀်r&၀်S&၀်o&j&၀်Z&၀်y&၀်? r&၀်k&၀် us&၀်ပိ်/ါ် O&၀်gc&၀်/ါ် aus&၀်၁/ါ်&၀်s&၀်
q&၀်ub&၀်၀် b&၀်၀်v&၀်m&၀်u&၀်a&၀်om c&၀်&၀်၀်၀်j&၀်yn&၀်b&၀်r&၀်၀် c&၀်&၀်v&၀်p&၀်x&၀်mu&၀်&၀်&၀်c&၀်၀်m ae&၀်&၀်k&၀်me tj&၀်z&၀်p&၀်
w&၀်&၀်၀်၀် 1874cEပိ်w&၀်f&၀် t&၀်q&၀်y&၀်g&၀်av;w&၀်ါ် pi&၀်z&၀်u&၀်ါ်Z&၀်y&၀်v&၀်;u&၀်ါ် a&၀်S&၀်O&၀်p&၀်၀် wn&၀်&၀်q&၀်mu&၀်f&၀် o&၀်ါ်
O&၀်gc&၀်/ါ် aus&၀်၁/ါ်&၀်om E&၀်ါ် Ak(ac:) O&၀်j&၀်z&၀်p&၀်၀်/ါ် ae&၀်mu&၀်ါ် f&၀်w&၀် f&၀်ါ် f&၀်ါ်\၀်ါ် q&၀်u&၀်f&၀် j&၀်p&၀်&၀်၀် Dr&၀် a' :re&၀်f&၀်
v&၀်or&၀်j&၀်p&၀်၀် r&၀်*၀်) k(r&၀်*၀်) k&၀်)on&၀်f&၀် t&၀်q&၀်y&၀်Z&၀်yi , full x&၀်y&၀်f&၀်j&၀်y&၀်ါ် f&၀်q&၀်mu&၀်v&၀်၀်/ါ် o&၀်f&၀်၀်
o&၀်f&၀် t&၀်u&၀် aea&၀်&၀်ါ် v&၀်m [y&၀်b&၀်zi&၀်h az&၀်&၀်z&၀်j&၀်zi&၀်c&၀်ါ် full ta&၀်lumိ f&၀်j&၀်y&၀်က o&၀်j&၀်r&၀်Z&၀်y&၀်? o&၀်j&၀်Z&၀်y&၀် [င်
vn&၀်faumိ? rv&၀်wn&၀်x&၀်mi&၀် b&၀်E&၀်ါ် Ak(ac:) O&၀်j&၀်z&၀်u&၀်ါ် t&၀်p&၀်j&၀်က O&၀်j&၀်Z&၀်y&၀် (j&၀်Z&၀်y&၀်) x&၀်၀် b&၀်j&၀်Z&၀်y&၀်
[င် ac:w&၀်&၀်v&၀်m&၀်lumိ f&၀် t&၀်q&၀်၀်y&၀်on&၀်/ါ်]¹ j&၀်Z&၀်y&၀်)on&၀်f&၀် re&၀်ft&၀်ac:j&၀်p&၀်၀်/ါ် re&၀်ft&၀် o&၀်k&၀်၀်ါ်
(a&၀်Z&၀်ါ်) j&၀်p&၀်y&၀်gon/ j&၀်Z&၀်y&၀်) [င် k t''၀်y&၀်, &ါ်]ါ်) [င် tj&၀်z&၀်la&၀်mi&၀်] [င် k t''၀်y&၀်, &၀်y&၀်gon/ Z&၀်y&၀်z&၀်l (o&၀် [င် w&၀်) o&၀်j&၀်Z&၀်y&၀် full ac:q&၀်j&၀်c&၀်ါ် j&၀်p&၀်y&၀်gon/

b&၀်m&၀်ma&၀်' o&၀်ab&၀်m&၀်o&၀်b&၀်m&၀်0

]b&၀်m&၀်ma&၀်A' on&၀်f&၀် b&၀်m&၀်p&၀်um;၀်r&၀်၀်;u&၀်ါ် o&၀်y&၀်၀်ါ် us&၀်av&၀်h&၀်ma&၀်om y&၀်n&၀်j&၀်p&၀်၀်/ါ် taj&၀်ym
p&၀်um (o&၀် [င် w&၀်) ta&၀်&၀်;p&၀်um;w&၀်&၀်&၀်om t&၀်c&၀်u&၀်ft&၀်v&၀်u&၀်r&၀်၀်;u&၀်ါ် av&၀်၀်ါ် u&၀်e&၀်f&၀် o&၀်ါ် j&၀်r&၀်w&၀်&၀်om en&၀်f&၀်pe&၀်p
၀်;၀် o&၀်ါ် E&၀်၀်၀်j&၀်zi&၀်h av&၀်h&၀်mp&၀်p&၀်j&၀်c&၀်ါ် [င် k&၀်q&၀်u&၀်v&၀်၀်/ါ်] ပု&၀်b&၀်ါ် av&၀်h&၀်mp&၀်p&၀်&၀်m&၀်w&၀်f&၀် o&၀်y&၀်၀်ါ် n&၀်&၀်y&၀်
t''၀်y&၀်;၀် E&၀်၀်ါ် n&၀်ဂ&၀်v&၀်r&၀်/ါ် (1) လှ&၀်j&၀်yn&၀်၀်/ါ်? (2) n&၀်ဂ&၀်v&၀်r&၀်? (3) us&၀်ါ် v&၀်p&၀်၀်၀်ါ် f&၀်ါ် [င်
t''၀်y&၀် (3)ck&၀် y&၀်0ါ် f&၀်yon/ လှ&၀်j&၀်yn&၀်၀်ါ် [င် k&၀်q&၀်u&၀်v&၀်၀်/ါ် re&၀်av&၀်h&၀်mp&၀်p&၀်&၀်om t&၀်p&၀်v&၀်t&၀်y&၀်ါ် r&၀်၀်;u&၀်ါ်
လှ&၀်j&၀်yn&၀်၀်ါ် &ါ် t&၀်mိ f&၀်p&၀်p&၀်&၀်rn/ n&၀်ဂ&၀်v&၀်r&၀်ါ် [င် k&၀်q&၀်u&၀်v&၀်၀်/ါ် re&၀်p&၀်p&၀်&၀်z&၀်n&၀်f&၀်y&၀်c&၀်u&၀်၀်ါ် t&၀်p? tv, ? t&၀်q&၀်
aj&၀်y&၀်p&၀်ါ် n&၀်ဂ&၀်v&၀်r&၀်ါ် &၀်rn/ o&၀်ါ် v&၀်၀်ါ် om&၀်en&၀်f&၀်pe&၀်p? o&၀်ါ် E&၀်၀်၀်;တ&၀်y:၀်ါ် t&၀်aj&၀်c&၀်y&၀်ါ် p&၀်p&၀်&၀်rn/

us&၀်ါ် v&၀်p&၀်၀်၀်ါ် f&၀်ါ် [င် k&၀်q&၀်u&၀်v&၀်၀်/ါ် re&၀်p&၀်p&၀်&၀်u&၀်၀်ါ် w&၀်v&၀်&၀်&၀်&၀်&၀် v&၀်ါ် f&၀်ါ် a&၀်mu&၀်f&၀် a&၀်om
p&၀်p&၀်&၀် v&၀်m&၀်c&၀်u&၀်f&၀် j&၀်p&၀်&၀်rn/ &၀်ါ် v&၀်၀်၀်;တ&၀်ac:ta0: တ&၀်o&၀်ါ် E&၀်ါ် r&၀်၀်;တ&၀်pm; w&၀်&၀်&၀် f?
v&၀်ါ် f&၀်ါ် a&၀်mu&၀်&၀်om tac:ta0:၀်;၀် o&၀်ါ် E&၀်ါ် f&၀်rn/]²

b&၀်m&၀်ma&၀်' [င် b&၀်n&၀်f

b&၀်m&၀်ma&၀်A' on&၀်f&၀် v&၀်b&၀်;w&၀်ါ် q&၀်ub&၀်၀် &ါ်;၀်lum;c&၀်j&၀်z&၀်p&၀်&၀်om b&၀်m&၀်p&၀်um;u&၀်ါ် o&၀်y&၀်၀်ါ်
us&၀်av&၀်h&၀်ma&၀်om y&၀်n&၀်&၀်y&၀် j&၀်p&၀်၀်/ါ်

^၁ သံဗြူဇရပ်မြို့နယ် နှစ်ပြည့်ရွှေရတုအထိမ်းအမှတ်မြို့နယ်မဂ္ဂဇင်း၊ ၁၉၆၄-၂၀၁၄။
^၂ မင်းမော် (တက္ကသိုလ်)၊ ၁၉၇၁၊ အတွဲ ၂၅၊ အမှတ် ၂၉၄။

]]bompuṃonf tṅwrf t p0f x n 0 & ajymi f v a e o n f b o m p u ṃ u ṅ r s u b j c y w f
r c ṅ u ? t a & ; E S b e f x m ṅ u o n f b o m p u ṃ o n f a e & m u s , D e f j c i f ? v D ṅ a & r s j c i f a ṅ u m i h
t a j y m i t v r s o n f t a j y m ṅ u ṅ a v ṅ m r ṅ m v ṅ i f b o m p u ṃ p p p ṅ u ṅ t & ṅ u ṅ t & ṅ w ṅ i f
j r i E ṅ ṅ b n f p e p ? p n f u r f r s p ṅ a y : v n E ṅ ṅ b n f b o m a A ' o n f t a j y m ṅ u ṅ b m t a j c ṅ ṅ
o n f

]]ri f w ṅ e m a x m i ṅ u y ṅ ṅ

p u ṃ o ṅ u ṅ e n f r s p E S h r s p ṅ o ṅ o n f t c ṅ t a j c t a e w p r s p ṅ j z p b ṅ o n f t o ṅ
a j y m i f v j c i f a ṅ u m i h j z p a y : v n E ṅ ṅ b n h t u s q u j z p b n f t o ṅ r a v ṅ m b j t a & ; u ṅ
a v ṅ m v ṅ i f r j n p ṅ t a & ; o m & ṅ ṅ t a j y m r & ṅ ṅ i f b o m a A ' a v ṅ m o n f t c ṅ t a & ; a e m u f S
t o ṅ u ṅ & ṅ ṅ o n f x ṅ ṅ u m i h b o m a A ' o n f t a j y m ṅ u ṅ t a j c ṅ ṅ t p 0 f t v m o ' ṅ u r l t a & ; u ṅ
t a j c ṅ ṅ b n f ṅ ṅ

b o m a e ' E S ṅ o ' ṅ

b o m a A ' w ṅ i f o ' ṅ p e p f t & O ṅ u s ? O ṅ u s ṅ y ṅ ? p u ṃ v ṅ ? 1/2 ṅ i f [ṅ ṅ & ṅ m p u ṃ v ṅ
o n f y ṅ x u f w p q i e t ṅ ṅ t 1/2 ṅ ṅ , ṅ o m t a j c ṅ ṅ b ' ṅ , e p y i f j z p y ṅ o n f ṅ p m w r f w ṅ
o ' ṅ p e p f t & p u ṃ v ṅ t q i ṅ u ṅ a v ṅ m x m j c i f j z p y ṅ o n f p u ṃ v ṅ u ṅ o w r s v i & m w ṅ
A v ṅ z ṅ \ o w r s v t s u f t & -

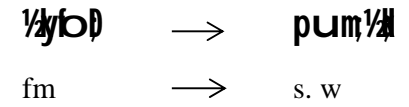
]]p u ṃ v ṅ q ṅ b n f ṅ o ṅ j c m v ṅ v y p ṅ & y ṅ w n E ṅ ṅ ṅ o m t a o ; q ṅ 1/2 ṅ o ṅ j z p f
o n f ṅ ṅ

[k z ṅ ṅ q ṅ k m y ṅ o n f 1/2 ṅ o ṅ j z p f ṅ r n b n f t c ṅ ṅ r q ṅ p u ṃ o ṅ v p c k t a e j z i h & y ṅ w n f
E ṅ ṅ p e f & ṅ o m , e p ṅ u ṅ q ṅ ṅ ṅ ṅ o n f 1/2 ṅ o ṅ j z p f ṅ o m r e f t a j c t a e r s ṅ w ṅ i f r n b n f t c ṅ ṅ
p u ṃ o ṅ v p c k t j z p f & y ṅ w n E ṅ ṅ p e f r & ṅ o m , e p ṅ u ṅ q ṅ ṅ ṅ ṅ o n f 1/2 ṅ o ṅ j z p f & y ṅ w n E ṅ ṅ ṅ o m
, e p r s ṅ u ṅ A v ṅ z ṅ p u ṃ v ṅ t j z p f o w r s v y ṅ o n f p u ṃ v ṅ u ṅ t r s t p m c ṅ ṅ u ṅ ṅ v ṅ i f
p u ṃ v ṅ w ṅ ṅ w ṅ ṅ q m u r y ṅ ṅ u ṅ t a j c ṅ ṅ o ṅ r s ṅ u ṅ ṅ o n f ṅ i f w ṅ ṅ ṅ (1) p u ṃ 1/2 ṅ (2)
p u ṃ a & m ṅ (3) p u ṃ a y ṅ i f [ṅ ṅ j z p y ṅ o n f

p u ṃ 1/2 ṅ

p u ṃ 1/2 ṅ q ṅ b n f ṅ 1/2 ṅ o ṅ j z p f ṅ i f w p c ṅ w ṅ i f z i h w ṅ ṅ q m u x m a o m p u ṃ v ṅ r s ṅ w ṅ u ṅ
q ṅ ṅ ṅ ṅ o n f

y ṅ ṅ o e n f j y & v ṅ ṅ i



^၃ မင်းမော် (တက္ကသိုလ်)၊ ၁၉၇၁၊ အတွဲ ၂၅၊ အမှတ် ၂၉၄။
^၄ ထွန်းမြင့်၊ ဦး၊ ၂၀၁၅၊ ၃၀၉။

pum;a&m

pum;a&m qbnfrn wpcbl [kvf wpcckuylom 1/2yboESH wpcbl [kvf wpcck
xuyllom 1/2yfr 1/2y&i frsm; jzihaygi fpylvnhaqmuixmaom pum;vhrstwlulqlygon/
yhoenjy&vGf

1/2ybo... + 1/2yfr... → pum;a&m
fm... + bm... → cpl. w

pum;aygi f

pum;aygi f qbnfrn wpcckufu ylloni 1/2ybo 1/2y&i f wjzih aygi fpylvnfrn xmaom
onhpum;vhrstwlulqlygon/
yhoenjy&vGf

1/2ybo... → pum;aygi f
fm... → cpd. w

ojzl&yfrle, lwlygOiaom hrle 1/2? &yulfrnrns pum;vhrsm\ o&i f
tonv\$ pepull]Shorto\ [A Dictionary of Modern Spoken Mon)pmtlyrstohv\$ enfESH
Opx&fjriN]bmomaA' + o'áA')pmtlylvhrst xlvEkvlum tonlyk aznfyxmjcif
jzplygon/

aus 1/2trnrns ull pum; 1/2? pum;a&m? pum;aygi f [li cpmum wifyobryg rnf
pum; 1/2? pum;a&m? pum;aygi f wjzih zpnfxmaom aus 1/2trnrns wof tyiftrnrns?
w&pæftrnrns? v? vhrsttrnrns? t&mdwk trnrns? 1/2hwni &mtaetxm?
tvlyftullESH twv&trnrns wlvul tplyk rshac:xmaom trnrns [li awlygon/
xlvtrnrns ullbmomaA' tjrizihavlvmo&trnrnfjzplygon/

tyiftrnnull tplyk rshac:xm;aom&trnrns;

pum; 1/2jzihzpnfxmaomtrnrns wof tyiftrnnull tplyk rshac:xm; aom 1/2h
(2) 1/2lygon/ =ifrn xif&S; 1/2ESH yi 1/2h wjzplygon/

xif&S;

xif&S; aus 1/2onf ojzl&yfrle awmi buwof wnllygon/]xif&S; acsmif0ü
xifyifsm; obm0 tavsmufaygu&muvsu&bnul tplyk xif&S; 1/2h [kac:wofcmlunf
[k rsvbm; o&&on/ rlvu acsmifEpc&ljzpfri r&lbmonjzih yg; 1/2f (y0gofni) [k
ac: onf]y0g= Epc&]ofni= c[kt"yü, &bnf xlvNumih, cifu trnrns rshac:yfrn r&f

trnꩻzihrꩻhac: xꩻmꩻjꩻciꩻfꩻjꩻzꩻpꩻnꩻyꩻ⁵ aemiꩻlvꩻ⁶ xiꩻ&& yꩻiꩻrꩻmꩻ uꩻllꩻtꩻpꩻyꩻkꩻ rꩻhac: xꩻmꩻjꩻciꩻ fꩻjꩻzꩻpꩻnꩻyꩻ⁵
 xiꩻ&& trnꩻfꩻnꩻ jꩻrꩻfꩻmaꩻoꩻgꩻ [ꩻnꩻ&ꩻjꩻzꩻpꩻnꩻyꩻ] jꩻrꩻfꩻmꩻtꩻbꩻfꩻmꩻeꩻfꩻ xꩻlvꩻ⁶ ꩻ]e- at; aomꩻ'orꩻmꩻwꩻ⁶
 ayꩻguꩻfꩻ tyꩻacꩻmꩻiꩻfꩻyꩻkꩻ 1/2ꩻuꩻ&& tap; tꩻqꩻkꩻuꩻ⁶ homꩻ opꩻyꩻiꩻbuꩻwꩻpꩻfꩻ⁶ [ꩻkꩻ zꩻ⁶ qꩻkꩻmyꩻgonꩻ/
 xꩻmꩻmꩻuꩻmꩻiꩻ hꩻ xiꩻ&& 1/2ꩻonꩻfꩻ xiꩻ&& yꩻiꩻrꩻmꩻ ayꩻguꩻbꩻnꩻuꩻllꩻ tꩻpꩻyꩻkꩻ rꩻhac: xꩻmꩻjꩻciꩻfꩻjꩻzꩻpꩻnꩻyꩻ⁵
 xiꩻ&& 1/2ꩻonꩻfꩻ tyꩻiꩻuꩻllꩻ tꩻpꩻyꩻkꩻ rꩻhac: xꩻmꩻaꩻlꩻuꩻmꩻiꩻ fꩻawꩻ⁶ &ꩻyꩻgonꩻ/
 xiꩻ&& 1/2ꩻonꩻfꩻ trnꩻuꩻllꩻ bꩻmꩻoꩻmꩻaꩻ' tꩻjꩻrꩻiꩻzꩻiꩻhꩻcꩻjꩻmꩻ;ꩻmꩻuꩻnꩻhꩻvꩻ⁶ fꩻ

- 1/2ꩻyꩻbꩻ⁶ → pꩻuꩻmꩻ;ꩻ1/2ꩻ
- fꩻmꩻ → s. w
- xꩻiꩻ&& → xꩻiꩻ&&
- ^thꩻ rꩻ jꩻuꩻ^ → ^thꩻ rꩻ jꩻuꩻ^
- xꩻiꩻ&& → xꩻiꩻ&& yꩻiꩻrꩻmꩻ ayꩻguꩻhꩻ&ꩻmꩻuꩻ&ꩻmꩻeꩻ&ꩻmꩻ

[ꩻkꩻ fꩻjꩻzꩻpꩻyꩻgonꩻ/ ꩻ]oꩻzꩻiꩻhꩻ xiꩻ&& 1/2ꩻonꩻfꩻ emꩻrꩻ1/2ꩻyꩻbꩻwꩻpꩻcꩻkꩻvꩻnꩻfꩻjꩻzꩻiꩻhꩻ zꩻpꩻnꩻfꩻ xꩻmꩻaꩻomꩻ
 emꩻrꩻpꩻuꩻmꩻ;ꩻ1/2ꩻ jꩻzꩻpꩻnꩻuꩻllꩻawꩻ⁶ &ꩻyꩻgonꩻ/

yi

yiꩻ1/2ꩻonꩻfꩻ oꩻjꩻzꩻ&ꩻyꩻkꩻ⁶ awꩻmꩻiꩻ buꩻlvꩻ⁶ wꩻnꩻ⁶ &ꩻyꩻgonꩻ/ ꩻ]vꩻeꩻcꩻhꩻoꩻmꩻEꩻpꩻayꩻgiꩻ
 wꩻpꩻ&ꩻmaꩻuꩻsꩻuꩻwꩻnꩻcꩻhꩻoꩻmꩻ 1/2ꩻaꩻ [ꩻmꩻiꩻ fꩻjꩻzꩻpꩻnꩻyꩻ/ yiꩻ1/2ꩻonꩻfꩻ] kac: qꩻkꩻjꩻciꩻfꩻrꩻnꩻ yiꩻ1/2ꩻonꩻfꩻ rꩻiꩻfꩻacꩻsꩻmꩻiꩻ &ꩻdꩻrꩻeꩻfꩻ
 tac: (riꩻ)ꩻyꩻiꩻuꩻllꩻ tꩻpꩻyꩻkꩻ ac: aꩻlꩻuꩻmꩻiꩻ (oꩻ&&ꩻonꩻfꩻ)⁷ yꩻiꩻonꩻfꩻ rꩻeꩻaꩻoꩻgꩻ [ꩻnꩻ&ꩻ] yꩻiꩻmꩻrꩻsꩻ qꩻiꩻouꩻfꩻ
 vꩻnꩻyꩻ⁶ tꩻ"ꩻyꩻhꩻ, fꩻnꩻ]e- 2- Zꩻmꩻ'ꩻyꩻhꩻ/ꩻtꩻ 1/2ꩻfꩻ⁸ [ꩻkꩻ zꩻ⁶ qꩻkꩻmyꩻgonꩻ/ xꩻmꩻmꩻuꩻmꩻiꩻ hꩻ] yꩻiꩻmꩻ [ꩻbꩻnꩻfꩻ
 Zꩻmꩻ'ꩻyꩻhꩻ/ꩻtꩻ 1/2ꩻfꩻ] yꩻiꩻfꩻ ayꩻguꩻhꩻ&ꩻmꩻuꩻbꩻnꩻuꩻllꩻ tꩻpꩻyꩻkꩻ rꩻhac: jꩻciꩻfꩻjꩻzꩻpꩻnꩻyꩻ/ yiꩻ1/2ꩻonꩻfꩻ tyꩻiꩻuꩻllꩻ tꩻpꩻyꩻkꩻ
 trnꩻfꩻhac: aꩻlꩻuꩻmꩻiꩻ fꩻawꩻ⁶ &ꩻyꩻgonꩻ/

yiꩻ1/2ꩻonꩻfꩻ trnꩻuꩻllꩻ bꩻmꩻoꩻmꩻaꩻ' tꩻjꩻrꩻiꩻzꩻiꩻhꩻcꩻjꩻmꩻ;ꩻmꩻuꩻnꩻhꩻvꩻ⁶ fꩻ

- 1/2ꩻyꩻbꩻ⁶ → pꩻuꩻmꩻ;ꩻ1/2ꩻ
- fꩻmꩻ → s. w
- yꩻiꩻmꩻ → yꩻiꩻmꩻ
- ^pꩻeꩻ nꩻaꩻ^ → ^pꩻeꩻ nꩻaꩻ^
- yꩻiꩻmꩻ → Zꩻmꩻ'ꩻyꩻhꩻ/ꩻtꩻ 1/2ꩻfꩻ yꩻiꩻfꩻ ayꩻguꩻhꩻ&ꩻmꩻeꩻ&ꩻmꩻ

[ꩻkꩻ fꩻjꩻzꩻpꩻyꩻgonꩻ/ jꩻrꩻfꩻmꩻvꩻlꩻuꩻ] yꩻiꩻmꩻ uꩻllꩻ yiꩻ [ꩻkꩻ ac: wꩻ⁶ &ꩻyꩻgonꩻ/ ꩻ]oꩻzꩻiꩻhꩻ yiꩻ1/2ꩻonꩻfꩻ
 yꩻiꩻmꩻ [ꩻ] hꩻoꩻmꩻ emꩻrꩻ1/2ꩻyꩻbꩻwꩻpꩻcꩻkꩻvꩻnꩻfꩻjꩻzꩻiꩻhꩻ zꩻpꩻnꩻfꩻ xꩻmꩻaꩻomꩻ emꩻrꩻpꩻuꩻmꩻ;ꩻ1/2ꩻ jꩻzꩻpꩻnꩻuꩻllꩻawꩻ⁶ &ꩻyꩻgonꩻ/

⁵ arꩻnꩻvꩻhꩻiꩻ lvꩻuꩻoꩻlꩻ/ (jꩻrꩻfꩻmꩻpꩻnꩻkꩻmꩻeꩻ)? 1990-92? 10/
⁶ jꩻrꩻfꩻmꩻpꩻnꩻtꩻ zꩻpꩻ 2013? 152/
⁷ arꩻmꩻiꩻ vꩻhꩻiꩻ lvꩻuꩻoꩻlꩻ/ (jꩻrꩻfꩻmꩻpꩻnꩻkꩻmꩻeꩻ)? 1990-92? 12/
⁸ xꩻ&ꩻoꩻeꩻfꩻ? Eꩻiꩻ 2006? 163/

tyiftrnjzih rñac:xmaom ၁/၂(၂)၁/၂\ pum၁/၂vñwñqumyulul avlvmlunh
vUifemr၁/၂yobwpcvñfjzihzlpñfxmaom emr pum၁/၂jzpbñulaw&ygonf

w&pñeft rñiult pñyk rñac:xm;aom၁/၂trñfsm;

pum၁/၂jzih zlpñfxmaomtrñfsm,wUif w&pñeftult pñyk rñac:xmaom ၁/၂
(၂)၁/၂ &ygonf ãifñ teif၁/၂ES ha*sr၁/၂wñjzpygonf

teif

teifau၁/၂ñonf ojzL&ytrñ\ awmi buwUif wn&ygonf]au၁/၂ñ\ ta&B
ajrmubue&mwUif a&ucsuay:aeaom ausuivpñvñt ay:wUif pñi S၁/၂ywpck xi&ñ
pñ&ñeojzih rñebmñjzih taeif (teif)pñi S၁/၂ul t pñyk ac:qkmaom ၁/၂ñ jzpbñ/
Eñygi၁/၂ (250)ceU wñcñbnf [kceñf&onf]]⁹ teiftrñfñ rñi aog [m& (vaei)rs
qifouivmñyD]e- pñi S၁/၂¹⁰ [k t'yñ, &onf xñmumih teif ၁/၂ñonf pñi S၁/၂jzpbñ
aom ausuivmñul t pñyk rñac:xmjci၁/၂ jzpbñ/ teif ၁/၂ñonf w&pñeft rñiult
t pñyk rñac:xmañmumif aw&ygonf

teif၁/၂trñiultbmoma' tñijzihcñmñunlvUif

- ၁/၂yob → pum၁/၂
- fm → s. w
- vaeif → vaeif
- ^kə̀nə̀aŋ^ → ^kə̀nə̀aŋ^
- pñi S၁/၂ → pñi S၁/၂jzpbñeomae&m

[ñ jzpygonf jreñmwU]vaei]ult teif [ñ ac:wUñygonf]pñjzih teif၁/၂ñonf
emr၁/၂yobwpcvñfjzihzlpñfxmaom emr pum၁/၂jzpbñulaw&ygonf

a*sm

a*sr၁/၂ñonf ojzL&ytrñ\ awmi buwUif wn&ygonf a*sr၁/၂ñonf wñg/ñav;
jzpygonf igtrñiult t pñyk rñac:xmjci၁/၂ jzpygonf a*sr၁/၂ñonf rñebmom pum
]uu)rs qifouivmñyD]e- igzñ¹¹ [k teu&ygonf xñmumih]uu) [bnf igzñ
aygsmñonul t pñyñyD rñac:xmjci၁/၂ jzpbñ/ a*sr၁/၂ñonf w&pñeft rñiult t pñyk
rñac:xmañmumif aw&ygonf

⁹ armi vññi wuñvñf (jreñmpñme)? 1990-92? 15/

¹⁰ xñfñeñ? Eñ? 2006? 215/

¹¹ -, if-? 46/

aus^{1/2}trn^{1/2}ullbmomaA' tjrifzihc^{1/2}m^{1/2}Nunlv^{1/2}f

1/2yfoD → pum^{1/2}

fm → s. w

uu → uu

^ka? klao^ → ^ka? klao^

ig:zH → ig:zHgrsm^{1/2}onh&m

[^{1/2} jr^{1/2}plygon/ jrefmw^{1/2}U juu^{1/2}ulla*^{1/2}sr^{1/2}h^{1/2} [^{1/2} ac:w^{1/2}Uygon/ polziha*^{1/2}sr^{1/2}h^{1/2}onf em^{1/2}yfoDwpc^{1/2}lvnf^{1/2}zihz^{1/2}pnfx^{1/2}maom em^{1/2}pum^{1/2} jzpb^{1/2}onullaw& ygon/

w&paeftrn^{1/2}zih r^{1/2}hac:x^{1/2}maom^{1/2}(2)^{1/2}h^{1/2} \ pum^{1/2}v^{1/2}lvn^{1/2}h^{1/2}qmuly^{1/2}ull avlv^{1/2}m Nunlv^{1/2}f em^{1/2}yfoDwpc^{1/2}lvnf^{1/2}zihz^{1/2}pnfx^{1/2}maom em^{1/2}pum^{1/2}sr^{1/2}jzpb^{1/2}onullaw& ygon/

wn&mtaetx^{1/2}m;ull^{1/2}tp^{1/2}lyk^{1/2} r^{1/2}hac:x^{1/2}maom^{1/2}trn^{1/2}sr^{1/2};

pum^{1/2}a^{1/2}m^{1/2}j^{1/2}zih z^{1/2}pnfx^{1/2}maom^{1/2}trn^{1/2}lv^{1/2}f wn&mtaetx^{1/2}m;ull^{1/2}tp^{1/2}lyk^{1/2} r^{1/2}hac:x^{1/2}maom^{1/2}(1)^{1/2}h^{1/2}om^{1/2}&ygon/ =if^{1/2}rn^{1/2}0, [^{1/2} wn^{1/2}h^{1/2}jzplygon/

0, [^{1/2} vm

0, [^{1/2} wn^{1/2}h^{1/2}onf o^{1/2}zLZ&y^{1/2}tr^{1/2} \ ta&hwmi^{1/2}bu^{1/2}lv^{1/2}f wn&ygon/ r^{1/2}eb^{1/2}mompum^{1/2}]Ogc!);r^{1/2}S^{1/2}qifou^{1/2}lv^{1/2}ny^{1/2}o^{1/2}e^{1/2}R^{1/2}S^{1/2}faom^{1/2}v, lu^{1/2}o^{1/2}f^{1/2}h^{1/2}[k^{1/2}t^{1/2}"y^{1/2}h, &ygon/ 0, [^{1/2} wn^{1/2}onf r^{1/2}eb^{1/2}mompum^{1/2}]Og^{1/2}E^{1/2}h^{1/2}]!);ull^{1/2}aygi^{1/2}py^{1/2}x^{1/2}m^{1/2}ny^{1/2}]Og^{1/2}\t^{1/2}"y^{1/2}h, r^{1/2}h^{1/2}]e- 1? v^{1/2}o^{1/2}fyi^{1/2}]¹² [k^{1/2}teu^{1/2}&ny^{1/2}]!);\t^{1/2}"y^{1/2}h, r^{1/2}h^{1/2}]ue^{1/2} 1? pi^{1/2}lu, be^{1/2}R^{1/2}S^{1/2}fon^{1/2}]¹³ [k^{1/2}teu^{1/2}&ygon/ x^{1/2}h^{1/2}umi^{1/2}h]Ogc!);[bnf^{1/2}]pi^{1/2}lu, be^{1/2}R^{1/2}S^{1/2}faom^{1/2}h^{1/2} [^{1/2} t^{1/2}"y^{1/2}h, z^{1/2}o^{1/2}q^{1/2}h^{1/2} E^{1/2}h^{1/2}ygon/ 0, [^{1/2} wn^{1/2}h^{1/2}onf ^{1/2}taetx^{1/2}m;ull^{1/2}tp^{1/2}lyk^{1/2} r^{1/2}hac:j^{1/2}ci^{1/2}fz^{1/2}pb^{1/2}umi^{1/2}f aw&ygon/

0, [^{1/2} trn^{1/2}ullbmomaA' tjrifzihc^{1/2}m^{1/2}Nunlv^{1/2}f

1/2yfoD + 1/2yfoD + 1/2yfoD → pum^{1/2}

fm + bm + fm → cpl.w

Og + c + !; → Ogc!;

^wèa^ + ^khá^ + ^dah^ → ^wèa^{1/2}khá^{1/2}dah^{1/2}

v^{1/2}o^{1/2}fyi^{1/2} ... + pi^{1/2}lu, f → pi^{1/2}lu, be^{1/2}R^{1/2}S^{1/2}faom^{1/2}o^{1/2}fyi^{1/2}h

oe^{1/2}R^{1/2}S^{1/2}fon^{1/2}f

¹² x^{1/2}o^{1/2}f^{1/2}o^{1/2}f^{1/2} E^{1/2}h^{1/2}? 2006? 227/

¹³ -, if-? 119/

[l̄ jzpygon/ jrefmwlu]Ogc!;)u 0, [l̄ wm[k ac:w 0luon/ polzih 0, [l̄ wm
1/2on/]Og[hom emr/zybDES h]c) [hom 1/2yf?]!;) [hom bud m/zybD wjzihzbnfxm;
aom pum;a&njzpbónf llaw&ygon/

t & mOwkt rniult ppyk rñac: xm;aom lr 1/2ón trnrsm;

pumaygi fjzihzbnfxm;aom lr 1/2ón trnxlw 6 f ojlZ&yfr ES husu 0 lr llwlyg 0 if
ygon/

ojlZ&yf

ojlZ&yfr 1/2ónbnf rēhOg[m&wpcjzplyD rēbmompum; jZyA]rS qifouf
vncif jzpbónf jZy] \ t"yñ, rñ]e- Z&yf¹⁴ jzplyD]A] \ t"yñ, rñ]Bud jzlonj¹⁵ [k
teu&ygon/ xllumi h jZyA] [bnf Z&yfz? jzlaomZ&yf [k t"yñ, z 0 lq E llbnf
ojlZ&yfr 1/2ónbnf t & mOwkt rniult ppyk rñac: jcif jzpbllumi f aw&ygon/

ojlZ&yfr 1/2ónbnf llbmoma' tjrifzihc]cm; llunlv 0 f-

1/2ybD + 1/2ybD → pumaygi f

fm + fm → cpd. w

jZyf + Ak → jZyAk

^sòp^ + ^pù^ → ^sòp pù^

Z&yf + jzlonf → Z&yfz? jzlaomZ&yf

[l̄ jzpygon/ jrefmwlu]jZyA] u 0 ojlZ&yf [l̄ bmonjyelyD ac:a 0: luon/ polzih
ojlZ&yfr 1/2ónbnf jZy] [hom emr/zybDES h]A] [hom bud m/zybD wll jzih
zbnfxm;aom pumaygi fjzpbónf llaw&ygon/

usu 0 D

usu 0 D 1/2ónbnf rēhOg[m&wpcjzplyD rēbmompum;]usr]rS qifouf
vncif jzpbónf]usr] \ t"yñ, rñ]e- b&m} ¹⁶ jzplyD]usr] \ t"yñ, rñ]Bud
ar 0 bnj ¹⁷ [k teu&ygon/ xllumi h]usr] [bnf]b&mar 0 [k t"yñ, z 0 lq E llbnf
usu 0 D bn b&m; ullar 0 llunlv 0 D tpyk rñac: xm; llumi f aw&ygon/

usu 0 D 1/2ónbnf llbmoma' tjrifzihc]cm; llunlv 0 f-

¹⁴ x 0 f o e f ? E ll ? 2006? 114/

¹⁵ -, if-? 194/

¹⁶ x 0 f o e f ? E ll ? 2006? 63/

¹⁷ -, if-? 50/

$\frac{1}{2}y\text{b}\text{D} + \frac{1}{2}y\text{b}\text{D} \rightarrow \text{pumaygi}\text{f}$
 $\text{fm} + \text{fm} \rightarrow \text{cpd. w}$
 $\text{usf} + \text{urD} \rightarrow \text{usfurD}$
 $\text{^caik}^{\wedge} + \text{^k\ae m\ae}^{\wedge} \rightarrow \text{^caik k\ae m\ae}^{\wedge}$
 $\text{b\&m} + \text{ar\textcircled{b}nf} \rightarrow \text{b\&m,ur\textcircled{b}nf}$

[l jzplygon/ jrefmwlu]usfurDulustul [l ac:w\Nuygon/ polzihustul
trnbnf]ust [hom emr/lyb\ES h]urD [hom bud m/lyb\wizih z\pnfxmaom
pumaygi]zpbntulaw\ygon/

pyävmi f

pyävmi /\nf ojlZ&yfr\ awmibuiv\ wf wn\ygon/ r\bmom pum,
]!nyvll]rs qifouvmjci\ jzplygon/ a&w\fa [k t"y\h, \ygon/ x\lav;w\c
*yeacw\lu&h\om a&w\fa [mi\av;ull tpyK ac:w\jci\ jzplygon/ pyävmi /\nf
onf r\h\og [m\]!m\ES h]yvll]ulaygi fpy\km,lyD]!m\ t"y\h, r\h]bud a\} ¹⁸ [kz\q\k\m,
lyD]yvll] t"y\h, r\h]e- a&w\fa } ¹⁹ [k z\q\k\m, ygon/ x\h\umi h]!nyvll] [bnf
a&w\fa [k teuz\q\k\m ygon/ pyävmi /\nf a&w\fa [mi\ull tpyK trnf\h\ac:
a\umi f aw\ygon/

pyävmi /\nf trnf\ullbmoma' tjrjzih\c\m\unlv\G f-

$\frac{1}{2}y\text{b}\text{D} + \frac{1}{2}y\text{b}\text{D} \rightarrow \text{pumaygi}\text{f}$
 $\text{fm} + \text{fm} \rightarrow \text{cpd. w}$
 $\text{!mf} + \text{yvllf} \rightarrow \text{!nyvllf}$
 $\text{^daik}^{\wedge} + \text{^p\ae laj}^{\wedge} \rightarrow \text{^daik p\ae laj}^{\wedge}$
 $\text{a\&} + \text{a\&w\fa} \rightarrow \text{a\&w\fa [mi\fa\h\om\ae\&m}$

[l jzplygon/ jrefmwlu]!nyvll]ul pyävmi [l ac:q\Nuygon/ polzih pyÜ
avmi /\nf]!m\ [hom bud m/lyb\ES h]yvll] [hom emr/lyb\ES h]zihz\pnfxmaom
emr pumaygi]zpbntulaw\ygon/

pupl

puplus /\nf ojlZ&yfr\ taemubuiv\ wf wn\ygon/]1885c\ES\cellu
wn\bnf [k cel\rs\&nf r\ejne, ? ojlZ&yfr\le, \ taemuhjmubuf (9)rllf
tufw\c\wn\ygon/ pupl /\nf r\lv\rs\msu us\ts\if (pufqm) [k ac:\Nunf

¹⁸ -, if-? 117/
¹⁹ -, if-/

၂/၂/၂ + ၂/၂/၂ → pumaygi f

fm + fm → cpd. w

t f + & f → t f & f

^-āi^ + ^cē^ → ^-āi cē^

t f & f → t f t & f

[f jzpygon/ polzi f t f & f] [hom enr ၂/၂/၂] [hom enr ၀ d o o e w] z i h z p n f x m a o m p u m a y g i f j z p b n u l l a w & y g o n f

tyi f t r n u l t p j k r f a c : x m a o m ၂/၂ t r n f s n ;

pumaygi f j z i h z p n f x m a o m t r n f w o f t y i u l t p j k r f a c : x m a o m ၂/၂ r s m & y g o n f = i f w r f j r r m v m ၂/၂ E S h ၀ u u a v ; ၂/၂ w l j z p y g o n f

j r r m v m

j r r m v m ၂/၂ o f z l z & y f t \ t a e m u f j r m u b u l w o f w n & y g o n f j r r m v m ၂/၂ 1995 c E p f a t m u l w b m v (9) & u l w o f p w i z p n f c y g o n f u s u p o h a o m v r f b u l w o f w n & y g o n f j r r m v m t r n b n f j r e f m a ၀ g [m & w p c k j z p y g o n f j r e f m t b d m e x l w o f j r } \ t " y h , f u l l e - t p t f a & m i f a u s u r s u f w p r s } ^{25 [k z o l q k m y d] r m v m } \ t " y h , f u l l e - y e f u } y e f } ^{26 [k z o l q k m y g o n f x h m u m i h j r r m v m [b n f] t p t f a & m i & o m y e f } [k t " y h , z o l q e l y g o n f y e f y i f t r n u l t p j k r f a c : x m j c i f j z p b n f [k q e l y g o n f

j r r m v m ၂/၂ t r n u l b m o m a ' t j r i z i h c j m u n l v o f

၂/၂/၂ + ၂/၂/၂ → pumaygi f

fm + fm → cpd. w

jr + r m v m → j r r m v m

^mja^ + ^ma la^ → ^mja ma la^

j r r m v m → t p t f a & m i & o m y e f

[f j z p y g o n / p o l z i h j r r m v m ၂/၂ o n f j r } [h o m e n r ၂/၂/၂] [h o m e n r ၂/၂/၂] E p c k w j z i h z p n f x m a o m e n r p u m a y g i f j z p b n u l l a w & y g o n f

၀ u a v ;

၀ u a v ; ၂/၂ o n f o f z l z & y f t \ t a e m u f j r m u b u l w o f w n & y g o n f]] ၀ u a v ; ၂/၂ \ t r n f r f a c : y u l l a t m u l y g t w l f r s v b m o & y g o n f ၀ g c ၂/၂ r i f E S h u r m ၀ w z , m

²⁵ j r e f m p m t z ၂ 2013? 266/

²⁶ -, i f - ? 246/

riʃwɪbni e, ʃjrvɪu&m e, ʃɛtɪvɪtʃmɔwɪsv&eftwɛɪ Ogc½jrpESh urmDwjrpf
 qɪmɔwɛɪ bɪoDwpɪvɪuɪa&wɪmɔwɛɪ arɔpon/ bɪoDɔiʃ&mu&njrpɪurʃ wɪvɔvɔuɪ
 uɪ e, ʃɛtɪvɔwɪsv&ef oabmɪhɪuon/ bɪoDɪn a&wɪvɔɪ Ogc½ jrpɪDɪvɪn&m
 Ogc½riʃrɪn trsuʃ' gojzɪm jrpdwɛɪ oɪvsufzɪh tɪvɔvɔvɔtɪrɪn cɪpɪvɪuɪvɔn/
 ɔiʃuɪ tɪpɪk rɛvɪrɪwɪ ɔiʃaus½uɪ }Ouɪk[k ac:wɛɪbnf bɪu[k t''yʃh, &
 onf jrefmɪu }Ouɪv;} [k, aeɪwɪɪ ac:wɛɪvɪuɪn}]²⁷

Ouɪv;½ɪtrɪbnɪjrefmaOg[m& }OuɪEShrɛʃOg[m& }vɪvɪuɪaygiʃpyʃ xɪjciʃ
 jzɪpygonf }Ouɪ\ t''yʃh, ɪɪjrefmɪ bɪmɛxɪwɛɪ}Buɛ xuDutɪbnf}²⁸ [k zɛɪkɪkɪmɪyD
 }vɪ\ t''yʃh, rɪn }e)- bɪoɪyɪ}²⁹ [k zɛɪkɪkɪmɪygonf xɪɪmɪh }Ouɪk[bnf }bɪu[k
 t''yʃh, zɛɪkɪkɪygonf Ouɪv;½bnɪ bɪoDɪuɪtɪpɪk rɪɪ ac:ɪciʃzɪpɪmɪɪ awɪ
 ygonf

Ouɪv;½ɪtrɪnɪuɪbmomaA' tɪrɪzɪɪcɪmɪuɪnɪvɪɪ

- ½yɪbD + ½yɪbD → pumaygiʃ
- fm + fm → cpd. w
- Ouf + vk → Ouɪvk
- ^weʔ^ + ^lɜ^ → ^weʔ lɜ^
- xuDutɪbnf + bɪoɪyɪ → bɪoDɪuɪ

[ɪ jzɪpygonf jrefmɪu }Ouɪv;½Ouɪv; [ɪ ac:wɛɪuɪygonf }pɔzɪhOuɪv;½
 onf }Ouɪ[hom Buɛ m½yɪbDES h }vɪk[hom em½yɪbDESɪzɪh zɪbnf xɪaom pum
 aygiʃzɪpɪnɪuɪawɪygonf

wɛɪpɛftɪnɪuɪ tɪpɪk rɪɪ ac:xɪaom½ɪtrɪnɪ;

pumaygiʃzɪh zɪbnf xɪaom trɪnɪwɛɪ wɛɪpɛftɪnɪuɪ tɪpɪk trɪnɪy;xɪ
 aom ½ɪrɪn & ygonf ɔiʃrɪn '&, jzLES hOɪfɛɪwɪjzɪpɪygonf

' &, jzl

' &, jzl½bnɪ oɪzɪyɪrɪɪ awmɪ buɪwɛɪ wɪygonf '&, jzl½ɪ jzɪvɪnɪvɪ
 &ɪcɪrɪa&S, cɪu ½ɪab;&ɪwɪtɪyɪwɛɪ '&, jzɪwɪpɪuɪmɪ usɪpɪ vsuɪbnf
 xɪɪ, jzlav;uɪ wɪpɛɪ ½ɪrɪsɪqɪrɪsɪu zɪrɪpɪaomɪvɪuɪnɪ xɪɪcg xɪ
 '&, jzlomɪuɪpɪmɪuɪaomɪqɪrɪsonɪ touqɪuɪmɪyD '&, jzɪrɪbnɪhemɪyɪ ½ɪvɪwɛɪ
 ab;tE&m, rɪn Buɪuɪnɪ[kɪuɪygonf '&, jzɪtrɪbnɪ jrefmaOg[m&yɪ jzɪpy
 onf }' &, jES h jzl}uɪ aygiʃpyɪxɪmɪyD }' &, } \ t''yʃh, rɪn }e- orɪrɪOɪf Oɪɪvɪaom

²⁷ မော်လမြိုင်တက္ကသိုလ် (မြန်မာစာဌာန)၊ ၁၉၉၀-၉၂၊ ၁၁။
²⁸ မြန်မာစာအဖွဲ့၊ ၂၀၁၃၊ ၃၃၅။
²⁹ ထွန်းသိန်း၊ နိုင်၊ ၂၀၀၆၊ ၂၂၃။

w&paewprst)³⁰ [k z&f&kmlyd jzl)\ t"ȳh, rfn je0& 1? x& E&E&onubh&om
ta&mir&f&ion)³¹ [k z&f&kmlygon/ x&N&umih '&, jzl/āonf w&paeftrn&ul
t p̄y&K ac:a&Lumi& aw&Ygonf

'&, jzl/āonf r&ulbmoma' tjrjzih&cm&Nunh&Uf

½y&bd + ½y&bd → pumaygi&

fm + fm → cpd. w

'&, f + jzl → '&, jzl

^d& jē^ + ^phjū^ → ^d& jē phjū^

'&, jzl → '&, jzl

[h̄ jzpygonf p&ozih '&, jzl/āonf]'&, j[h&om enr½y&bd&Esh jzl][h&om
enr0&ooew&jzih&pnf&x&maom pumaygi&jz&pn&ul&aw&Ygonf

Oi&pf&

Oi&pf&onf o&jzl&y&tr&N awmi&bu&w&f&wn&Ygonf r&eb&om&pum j&oi&pd&rs
qif&ou&v&my&D [qif&t&f&āonf [k t"ȳh, &Ygonf Oi&pf&onf r&ē&og [m& j&oi&Esh j&pd&] u&h
aygi&py&x&my&D j&oi&]\ t"ȳh, rfn je- 3? a&N&ā&om jrp&au&ā&e&m)³² [k z&f&kmlyd j&pd&]\
t"ȳh, rfn je- 2? qif)³³ [k t"ȳh, &Ygonf j&oi&pd&][bnf j&qif&sm a&c&f&mae&m][k
z&f&kmlyd onf x&N&umih Oi&pf&onf w&paeftrn&ul t p̄y&K r&h&ac:x&ma&Lumi& aw&Y
gonf

Oi&pf&onf r&ulbmoma' tjrjzih&cm&Nunh&Uf

½y&bd + ½y&bd → pumaygi&

fm + fm → cpd. w

Oif + p&df → Oi&pd&f

^w&eaŋ^ + ^coiŋ^ → ^w&eaŋ coiŋ^

a&N&ā&om + qif → qif&sm&a&c&f&qif&a&mae&m
jrp&au&ā&e&m

[h̄ jzpygonf jref&mw&Lu j&oi&pd&] u&h Oi&pf& [kac:w&N&Ygonf p&ozih Oi&pf& onf
j&oi&][h&om enr½y&bd&Esh j&pd&][h&om enr½y&bd&Esh j&ozih z&pnf&x&maom enr&f pumaygi&
jz&pn&ul&aw&Ygonf

³⁰ jref&mpmt z&R 2013? 158/

³¹ -, i&f-? 226/

³² x&f&od&f? E&h? 2006? 226/

³³ x&f&od&f? E&h? 2006? 102/

