

ay&mPES h̄jrefma' ō pum;

jriʃribl̄

pmwr̄tuof

þpmwr̄tonf jrefma' ō pumr̄m& ay&mPumr̄taMuniſ avl̄mxmaom pmwr̄ jzþbonf a' ō pumr̄mwf ay&mPum (a&SōlPum) ōl̄eqjzþaMuniſ ōl̄eEsh a' ō pumr̄m raysmuysuātmiſ x̄efot̄&e&n&G ſygonf jrefma' a' ō pumr̄mrs awmi&? "ER t̄ifoma' ō pumr̄m& ay&mPumr̄mulfm avl̄mxmjc iſjzþbonf ay&mPum ōw̄fsv&mw&f arþylq&moef\ ay&mP' ðeD uſ̄Esh Oþonjrwl̄ ay&mPumt b̄fgeul̄ tajccl̄ avl̄mygonf xl̄llv̄lv̄m& mü ysl̄uAstr̄mwfaw&aom ay&mPumEsh jrefma' ō pumr̄m& a' ō tol̄wul̄ Eif, Өwifjyxm̄ygonf

aom̄suāoq[m&/ / ay&mP? a' ō ? awmi&? "ER t̄ifom/

ed gef

b̄monpumwfwf a' ō pumr̄mþ&f ygonf jrefmb̄monpumwf jrefma' ō pumr̄mþ&f bñnf a' ō pum\ vuPmwp&yjzþbonf ay&mPum tol̄yK jciſul̄ jrefma' ō pumr̄mwfaw&onf awmi&? "ER t̄ifoma' ō pumr̄tonf tol̄us jrefma' ō pumr̄mzþygonf xl̄' ō pumr̄mwf ay&mPac: a&Sōl pumull , aeV̄l̄fjymqbl̄Elael̄uqjzþaMuniſ aw&onf a&Spayy ysl̄uAstr̄m wf aw&onf ay&mPumr̄mull a' ō pumr̄m& a' ō tol̄wEsh Eif, Өwifjyvþl̄v&f ygonf xl̄llv̄lv̄wiſyjciſziſ jrefma' ō pumr̄mwf a&SōlNay&mPumr̄m , aeV̄l̄f ajymqll ōl̄Elael̄uqjzþaMuniſ ōd̄p&ēl̄ ay&mP pumr̄tonf jrefmb̄monpum\ t&iſtjrpjzþaMuniſ ōd̄p&ēl̄ a&S̄refnpmay ysl̄uAstr̄mull p̄vDipmr&v̄nEif&ēl̄ ay&mP pum raysmuysuātmiſ x̄efot̄Eif&ef &n&G ſygonf

1/ &n&G tsuf

a&SōlNay&mP pumr̄mtaMuniſ ōl̄e&ēl̄ , iſay&mPumr̄mull jrefma' a' ō pumr̄mzþbonf awmi&? "ER t̄ifom a' ō pumwlf , aeV̄l̄f ajymqll ōl̄Elael̄uqjzþaMuniſ ōl̄e&ēl̄ ay&mPumr̄tonf jrefmb̄monpum\ t&iſtjrpjzþaMuniſ ōl̄e&ēl̄ a&S̄refnpmay ysl̄uAstr̄mull p̄vDipmr&v̄nEif&ēl̄ ay&mP pum raysmuysuātmiſ x̄efot̄Eif&ef &n&G ſygonf

* a' gūw̄l̄ w̄k̄uſygarmu⁹jrefnpmek̄? yil̄lv̄uol̄l̄

2/ olwoet pt pof

- polwoepmwrfwif-

1/ ayg&mPpum;owfrSwfsuf

ayg&mPES lywbuſ ygVjefrm̄t b̄meſw̄t

]]ayg&mP (w) a&Sujzpfom/ ta[mi f jzpfom/

(y) *a&Sob [miʃ/ a&Synm&ʃ a&Sq&m/} ([kvɒdə] 1999? 692)*

[ɪvn̩faʊmɪʃ? ayo&mPpumEshywbusr ygVbubf0g[n&t bflnefwf-

Jay&P - a&Suol&Aompu/ a&sa [mi&pu] (x&jri 2016? 173)

[Í vñſauñi ſ? jrefmt bñmeſwñ]

Jay&mP^ ayg&menfe- ynm&ft quqqua&soHt jzpf owtswch aom
a0g[m/ (yg? ayg&mP)} (jrefmpmt zP 2018? 210)

[kvnʃaʊmɪʃ? armɪtɪfɪf("Ejzl)u

॥a&Spmayrsñwñf tollyyD rsuñrñfacwf tajymta&;wñf tollyyK
awmñJ arSñfwtñmuññaoñ a0g[m&rsmjzpññf a&ñrñuf (bñi)?
uuññ(rsuñrñuñ) } (2019? 29)

**z&fqkmmonuw&onf ojzpr ayg&mPumonf a&Sob[mi fwl ojpf aom
a&Spumijszpolygonf**

2/ a'ɒl pum;owɪʃwəsuf

b'morpuñwifwif a'otvñjymqñbññom a'od pumrsñ&gonf a'od
pumñEshywbññ ayg&mp' yelurñwif

Ijrefmvhſ[ſ] jzpMuomvnſ t&yf' oukvſ aomvnſaumiſ
vſciſa&maxſoziſ h ac:a0:aom toijymſi aomvnſaumiſ Owk
wpſſwnſullt ac:a0q m& uſſvſu&Bnſ} (r-1292? 83)

[Í vnsaumis? jrefmbomopum, \ a'od pumrsnavhmrpmwrfwif-

॥'ođ pumqbn̄n̄ ae&ma' o? yx0Diftaet x̄m̄u, ȳmr̄ v̄berl
tqiftweſ u, ȳmjcm̄em̄rlw̄Mum̄h pum̄oļ a0g[m̄ tōt̄Ebf? o'g
pon̄w̄l u, ȳmaeaom b̄m̄opum̄wp̄čk tōt̄uzpon} (wif? 0?
1975? pm(u))

[ɪvnʃaumɪʃ?jrefnpum,taln̩mɪʃwaplwapmɪʃpm̩tlyfɪʃ]

॥a'od pum̄sm̄oni b̄m̄pum̄wp̄čč toččuč̄m̄zpm̄ onf
ułym̄onq̄m̄ toččuč̄si? aog[m̄tolt Eččsi] ułym̄yon} }
(ciřiř arm̄iř ("Eččl)? 2016? 265)

[lɪvnfəumɪʃ? tɪʃav;a'ɒd pʌmpptlyfɪʃ]

॥।'ođ pumonf ođcm, bmonpum,wpčk [kwig/ bmon pum,wpčk
yifpumrSu,ym,vmaom tođfum,wpčkonjzpfyon॥

(atmifrið? a' gufum? 2006? 9)

[ɪvnʃəmɪʃ? *əm[wʃəfə-

॥bmonpumwifonf yx0taet xmay:vñf a' oqif&m olbmon
pumrsm (ol[w) a' od pumrsm&bnf xifa'od pumwifonf
bmonpum\ toluswprzjzfonf} (2000? 457)

[ɪvnʃaʊmɪʃ? a' ;Apf&pöw, fü-

॥a'od pumonf o'g̊ a0g̊[m&t̊m̊j̊z̊i̊h̊ o̊l̊cm̊j̊zp̊n̊ẙ] a'oeſ̊ſ̊v̊lt̊z̊t̊pn̊ſ̊ q̊l̊&mv̊l̊ ůſ̊j̊cm̊r̊l̊M̊ům̊h̊ j̊zp̊åẙ:v̊mao̊m̊ r̊ſ̊ůſ̊ b̊mo̊p̊ům̊j̊zp̊b̊n̊/t̊aj̊ẙm̊å'od pumonf avoh̊(o̊l̊[l̊ẘ]) ůſ̊ẙmao̊m̊t̊o̊k̊k̊ůſ̊m̊ ẙg̊o̊i̊b̊ẙ on̊f̊} (2004? 136)

[I] vñsaumis zibqibwfrwtxmonfull aw&on! xibibwfrwtsutsmt& a'od
pumonis tolkis aog[m&toltErsuymaom tolkis'od pum wptkyijzpfyg
oni

271/ jrefma' ō pum;

jrefma' ō pumrsnEshywbuſ q&mPazarmiwi bmonavmu us̄wif
w̄f&iſomr̄Eḡ p̄lyZ, m̄

w̄auſw&kvſſ&H

w̄auſjrefmaſſc

tmoHjrefmt Ē f

jrefmt pk

r&(0g)avmi ſa0g? v&I tw̄p̄r̄l̄b̄m̄ z̄?

'ER t iſom̄? awmi &(0g) w̄ll x̄m̄0, ? &cif

(azarmi wi 1958? 16) [I jrefmt p̄iſw̄f&iſomw̄llaznfyxmygon̄

jrefmbom̄pum̄w̄f toſuſt̄ō pum̄rsn; p̄f&gon̄ x̄l̄'ō pum̄rsn;
teufxiſnaom a' ō pum̄rsn; awmi &I? "ER t iſoma' ō pum̄rsn; jzpfy on̄
awmi &I? "ER t iſoma' ō pum̄w̄f ayg&mPac: a&Sollpum̄rsn; uſl aw&gon̄
jrefma' ō pum̄&I a' ō toſeſh a&SpayyſſuAſrſn;rſ ayg&mPum̄w̄f, ſl
avlv̄mwiſyrn;jzpfon̄

272/ yſſuAſrſn;rſayg&mPEſha' ō pum̄;rſn;rſa' ō toſrſn;

jrefmpmayw̄f a&SpayyſſuAſrſn;p̄f &gon̄ yſſuAſrſn;on̄ a&Spayjzp̄f a&S
oſayg&mPum̄rsn;p̄f aw&Elygon̄ yſſuAſrſn;&I ayg&mPum̄rsn;Eſh awmi &I? "ER
t iſoma' ō pum̄&I a' ō oolpum̄rsn;uſl, ſlavlv̄mriſjzpfon̄

uſ pyguſſtſtſtſtq̄iſſb̄m̄c̄iſ (ayg&mP'yeθpm-6)

azmazmoB̄B̄p̄l̄uſl̄l̄l̄l̄ (uſceſyſſyſſyſſ- 35)

aum̄buſaum̄uſvſi ſuſl̄oſl̄uſvſi (*gxmajcmuſq, ſyſſyſſyſſ-70)

[uſ] [honyg&mPum̄on̄ pygrſmollvſiſx̄m̄on̄ t&njzpfon̄ t iſom̄
a' ō pum̄w̄f pyguſſ(yguſſ)k, aeſl̄oſl̄uſl̄uſl̄q̄jzpfon̄

- ir̥ir̥= t̥v̥et̥ri̥? r̥q̥dr̥wm̥E̥I̥ (ayg&mP'yeθ pm-9)
 a, m̥us̥t̥E̥t̥&S̥ ar̥t̥j̥ri̥? x̥et̥s̥i̥r̥ir̥ (ul̥cefyD̥ y̥ll̥ā&- 95)
 o̥t̥rn̥i̥r̥ir̥? a&p̥n̥&t̥v̥us̥ (aer̥b̥t̥efyD̥ y̥ll̥ā&- 130)
 a&S̥mayy̥s̥Ḁsm̥w̥f̥ ॥ir̥ir̥॥ [hom ayg&mPpum̥u ll̥ aw̥R̥on̥ t̥v̥et̥ri̥ [hom t̥"y̥ll̥, f̥z̥i̥h̥o̥l̥E̥fx̥m̥on̥
 t̥i̥f̥om̥a'od̥ pum̥w̥f̥ ॥ir̥ir̥॥ [homa&S̥ayg&mPpum̥u ll̥ , ae̥x̥d̥v̥if̥ ajym̥q̥b̥b̥p̥s̥ ae̥uy̥gon̥
 p̥mae̥ [mi̥r̥i̥r̥wu̥f̥av̥m̥ t̥v̥et̥ri̥p̥maew̥m̥]
 ap̥mi̥ &ef̥= ap̥mi̥p̥n̥f̥ci̥f̥? w̥m̥j̥rp̥ci̥f̥ (ayg&mP)
 p̥um̥&f̥c̥e̥? E̥k̥f̥ap̥mi̥ &ef̥u ll̥ (aer̥b̥t̥efyD̥ y̥ll̥ā&-21)
 ap̥mi̥ &ef̥w̥t̥g̥? y̥d̥v̥y̥i̥f̥w̥v̥us̥ (Or̥f̥ E̥j̥D̥ y̥ll̥ā&-67)
 y̥ll̥Ḁsm̥w̥f̥ ॥ap̥mi̥ &ef̥॥ [homa0g[n̥u ll̥ ap̥mi̥p̥n̥f̥ci̥f̥ t̥"y̥ll̥, ? w̥m̥j̥rp̥ci̥f̥ t̥"y̥ll̥, f̥z̥i̥h̥o̥l̥x̥m̥on̥]
 ॥ap̥mi̥ &ef̥॥ a0g[n̥t̥o ll̥ j̥ref̥mayg&mPoh̥w̥o ll̥v̥D̥u ap̥mi̥p̥n̥f̥ci̥f̥?
 w̥m̥j̥rp̥ci̥f̥ teu̥ft̥"y̥ll̥, &hom j̥ref̥mayg&mPpum̥j̥zp̥b̥on̥[q̥lb̥n̥]
 (jr̥arm̥i̥ ? 1979? 70)
 aw̥m̥ &ha'od̥ pum̥w̥f̥jc̥p̥n̥f̥&ll̥ ॥ap̥mi̥ &ef̥॥ [k̥ ae̥w̥l̥f̥ajym̥ae̥u q̥j̥zp̥b̥on̥ "Ek̥
 w̥l̥f̥&i̥f̥om̥w̥l̥ ap̥me̥, ef̥ [kac̥:l̥uon̥]
 (ap̥me̥&ef̥e̥D̥c̥, D̥g̥: jc̥p̥n̥f̥&E̥cs̥n̥f̥w̥myg)

 q̥l̥q̥l̥&m̥&m̥= a'goj̥zp̥b̥on̥f̥ (ayg&mP'yeθ pm-11)
 q̥l̥q̥l̥&m̥&m̥? &ef̥aw̥q̥i̥m̥v̥n̥f̥ (ul̥cefyD̥ y̥ll̥ā&-166)
 q̥l̥q̥l̥&m̥&m̥? a'go t̥m̥j̥zi̥h̥ (ul̥cefyD̥ y̥ll̥ā&-175)
 ul̥cefyD̥w̥f̥ ॥q̥l̥q̥l̥&m̥&m̥॥ [homayg&mPpum̥u ll̥a'goj̥zp̥b̥on̥f̥[hom t̥"y̥ll̥, f̥
 f̥z̥i̥h̥o̥l̥x̥m̥on̥]
 t̥i̥f̥av̥;a'od̥ pum̥w̥f̥v̥n̥f̥ a'goj̥zp̥b̥on̥f̥u ll̥ ॥q̥l̥q̥l̥&m̥&m̥॥ [k̥ ou̥u̥D̥G̥ ft̥H̥
 r̥m̥u o̥k̥e̥u q̥j̥zp̥b̥on̥f̥
 (v̥l̥w̥m̥f̥ q̥l̥q̥l̥&m̥&m̥ j̥zp̥b̥on̥f̥u ll̥ v̥l̥u a'go x̥f̥u v̥m̥w̥,)
 w̥u m̥= tr̥m̥ (ayg&mP'yeθ pm-13)
 a0;om̥aj̥rw̥m̥? v̥l̥w̥u m̥u ll̥ (ul̥cefyD̥ y̥ll̥ā&-4)

abm̥wum̥n̥? a0; & m̥y̥f̥r̥	(a&T om̥ri̥sy̥ y̥h̥-25)
a&Sp̥mayy̥s̥l̥Astr̥n̥w̥f̥]wum̥=tr̥m̥} [b̥om̥ ay̥g̥m̥P̥pum̥u̥ll̥ r̥m̥p̥t̥o̥y̥l̥h̥ on̥f̥ll̥aw̥B̥on̥f̥	
aw̥m̥ & l̥ "ER t̥i̥f̥oma' o̥d̥ p̥um̥w̥l̥l̥v̥n̥f̥]wum̥} u̥l̥tr̥m̥ [b̥om̥ t̥"y̥h̥, f̥z̥i̥h̥ , ae̥l̥l̥f̥aj̥y̥m̥q̥l̥b̥l̥f̥e̥l̥u̥q̥j̥p̥b̥on̥f̥	
	(tr̥m̥wum̥ v̥l̥wum̥ aq̥wum̥ r̥l̥wum̥)
wpl̥wp̥t̥ pl̥p̥f̥ten̥f̥, f̥ (ay̥g̥m̥P̥'ye̥B̥pm̥-14)	
all̥m̥i̥l̥wpl̥r̥ & l̥v̥j̥y̥D̥	(ul̥ce̥sy̥ y̥h̥-38)
jci̥f̥ & m̥wp̥l̥l̥m̥b̥l̥x̥l̥s̥f̥	(aerbl̥te̥sy̥ y̥h̥-50)
y̥l̥p̥mayr̥n̥w̥f̥]wpl̥wp̥u̥ll̥ ten̥f̥, f̥[b̥om̥ t̥"y̥h̥, f̥z̥i̥h̥ o̥l̥f̥l̥u̥on̥f̥]wpl̥} [b̥om̥ to̥l̥r̥l̥u̥on̥f̥l̥w̥B̥on̥f̥	
t̥i̥f̥oma' o̥d̥ p̥um̥w̥l̥l̥v̥n̥f̥ , f̥l̥l̥wpl̥} [b̥om̥ , ae̥l̥l̥f̥aj̥y̥m̥q̥l̥e̥l̥u̥q̥j̥p̥b̥on̥f̥	
	(wp̥d̥w̥m̥e̥B̥l̥= en̥f̥en̥f̥av̥; aw̥m̥f̥ & b̥l̥)
x̥m̥= "m̥ (ay̥g̥m̥P̥)	
y̥t̥f̥ix̥mr̥? ay̥g̥uf̥q̥e̥b̥on̥f̥	(ul̥ce̥sy̥ y̥h̥-13)
z̥l̥mt̥l̥l̥ x̥m̥v̥l̥v̥; j̥m̥	(a&T om̥ri̥sy̥ y̥h̥-49)
y̥l̥Astr̥n̥w̥f̥ , ae̥l̥c̥w̥p̥um̥]l̥"m̥}u̥ll̥]x̥m̥} [k a&om̥o̥l̥l̥u̥on̥f̥l̥ aw̥B̥ on̥f̥	
& l̥ "ER t̥i̥f̥oma' o̥d̥ p̥um̥w̥l̥f̥]l̥"m̥} u̥ll̥]x̥m̥} [b̥om̥, ae̥l̥d̥ aj̥y̥m̥q̥l̥e̥l̥u̥q̥j̥p̥b̥on̥f̥ p̥l̥e̥r̥p̥u̥m̥w̥f̥]l̥"m̥} [b̥om̥l̥y̥g̥on̥f̥	
x̥m̥ex̥l̥= "m̥E̥s̥k̥pf̥ (aw̥m̥ & l̥)	
x̥m̥oi̥, f̥ "m̥tao; ("E̥)	
x̥m̥qi̥, f̥ "m̥tao; (t̥i̥f̥om̥)	
ax̥m̥av̥m̥= l̥ur̥f̥w̥r̥p̥p̥l̥ & l̥on̥f̥ (ay̥g̥m̥P̥'ye̥B̥pm̥-17)	
all̥m̥n̥max̥m̥av̥m̥ & e̥p̥ay̥:vn̥f̥	(aerbl̥te̥sy̥ y̥h̥-123)
ax̥m̥av̥m̥p̥l̥l̥v̥l̥l̥ aj̥r̥l̥l̥b̥jr̥l̥ur̥	(*gx̥maj̥cm̥uf̥q̥, f̥y̥l̥ y̥h̥-12)
oly̥p̥ac̥m̥v̥n̥f̥? rax̥m̥pz̥l̥	(a&T om̥ri̥sy̥ y̥h̥-25)
	(rax̥m̥pz̥l̥= ax̥m̥av̥m̥u̥ll̥v̥l̥r̥v̥l̥p̥z̥l̥)

a&Spayy&uAstr&w&f ayg&Ppum, Jax&avm] hontolu ten&i, fm aw&on&i

t i s o m a ' o d p u m w i f j a x n a v n u e l v e l } [r w b i l l u q j z p o n i l u r f w r f o n h
o a b m q e l u s i b n i b a b m w i f t o l l s o n i }

(vlułajym[m axmavmuelvewlvyle])

aET = E_{mon}! E_{fbnf}(ayg&mP)

cu&H qpfayG? cEmaETom

(aerobitefy® ylla&-49)

ENrfra&G? cH&aEJom

(aerobility® ylla&-144)

a&Sohay&mPpum, JaET} uHa&SomayyS{Asrsn,wfawElon/

toDErr= toDErv

(awmi & H)

tcBEGr, f tcEhr, f

(“E”)

u:pə:tʃəfəEɪy;əemɪʃ = Mu:ubθəzL Eɪy;əemɪʃ (t iʃom)

$\text{ypm} = \text{ax}^{\alpha} \times \text{bm}^{\beta} \times \text{pm}^{-19}$

&frDorl? bZmjyktH

(u)cefsip yllfa&-35)

ri faicius fir? bZmwtH

(aerobitevstP v11 f&-118)

*ystuAsrswif ay&mPum, lypm} ul]bZm} [k a&omNionf top
ta&jzfbnf]bm{ b, } Γ hom t"b, fzi hofEfmonf*

awm&? "ER t̄isoma'od pumw̄f ayg&Ppum, lypm)uH lypm? pm? rpm)
Hom tozih, aekufxdivmgbibetuzpbnf

pmgBomrH = b, pmgBomrV = (avm1 & D)

pmg Dmt D = b, fmv ("Ek

ymr~~s~~ausmē = bmv̥rob̥t (t̥ifom̥)

aygynf = trsm (ayg•P'yeD pm-20)

aygynfxyrqgwurElf

(ulcefy& yll fa&-4)

уѣб, фавн? Нунумоесвіf

(a&T Onfrifys Pwllfa&-5)

ull wëfypönt? vëfaygynptí

pon~~zi~~^{ti}hy~~tr~~^wf]aygynf} ull trsn [homt "y~~h~~, szi hol~~bx~~monfullaw~~ly~~onf
ti~~oma~~'od pumw~~w~~f]aygynf} ull]aygagynf} (aygagyl) [l trsn [I
aom t "y~~h~~, szi ho~~El~~ajymq~~ll~~aygonf ayg~~ll~~ scif? aygr~~m~~jcif t "y~~h~~, szp~~on~~f

ye~~fa~~aygagylDg= ye~~fa~~trsnMu~~y~~

taygt~~y~~ (awmi & "E)

jz~~D~~x~~y~~~~ll~~~~ax~~~~G~~= trsn (ayg&mP'ye~~D~~ pm-22)

tjz~~D~~v~~ll~~? ajr~~M~~baunf&mf (*gxmajcmufq, sy~~ll~~y~~ll~~h&-47)

r~~M~~drw~~M~~? tjz~~D~~cif (a&[orifysy~~ll~~y~~ll~~h&-60)

a&Spmayrs~~M~~w~~w~~f rsmjymjcifabm~~ll~~ynf? jzi? ayg} pumv~~M~~llouub~~ll~~jjz }
[hom pumv~~M~~zih olonivn~~M~~gonf jjz~~D~~? tjz~~D~~? [l tol~~M~~monfullaw~~ly~~g
onf

awmi & "ER t i~~oma~~'od pumw~~w~~f, ae~~k~~u~~w~~~~ll~~jjz } ul~~b~~he~~M~~uqjzp~~on~~f]z }
[hom o~~M~~monfullaw~~ly~~onf

pr~~vv~~z~~D~~z= y~~ll~~ufq~~ll~~ft rsm~~M~~u~~y~~ (awmi &)

0u~~sc~~llv~~D~~z~~D~~e = 0u~~sc~~lltrsm~~M~~u~~y~~ (t i~~om~~)

rajrmf= rjri~~sc~~if/ (ayg&mP'ye~~D~~ pm-24)

*a[orm ? tjc~~m~~rajrmf (ul~~c~~efysy~~ll~~y~~ll~~h&- 164)

q~~G~~ sy~~ll~~E~~ll~~fabm~~M~~wlajrmfonf (*gxmajcmufq, sy~~ll~~y~~ll~~h&-8)

a&Spmayrs~~M~~w~~w~~f]rajrmf [hom ayg&mPpumull]rjri~~sc~~if} [homt "y~~h~~, szi h
ol~~x~~m al~~u~~mi~~fa~~llonf

awmi & "ER t i~~oma~~'od pumw~~w~~f ayg&mPpum~~M~~]rajrmf ul~~b~~ae~~k~~u~~w~~~~ll~~
ajymq~~ll~~bael~~M~~uqjzp~~on~~f

ajrn~~D~~lv~~M~~ = rjri~~b~~lv~~M~~ (awmi & "E)

ql~~u~~mfajrmf~~ll~~= ol~~u~~ljri~~b~~laem (t i~~om~~)

r [d= r, ll(r&) (ayg&mP'ye~~D~~ pm-24)

aw~~fac~~:q~~ll~~r [d~~ll~~wnf (aer~~b~~tefy~~ll~~y~~ll~~h&-77)

pp~~lw~~p~~rs~~uE~~ll~~wl~~sp~~ES~~M~~ q&mbles [d (ul~~c~~efysy~~ll~~y~~ll~~h&- 163)

[r [l [hom ayg&mPpumull ys~~ll~~Asm~~M~~w~~w~~f aw~~E~~lygonf]r&[hom
t "y~~h~~, szp~~on~~f]l~~l~~onf]l&[hom t "y~~h~~, szp~~on~~f

awmi & "od pumw~~w~~f]r [dra [l [k, ae~~k~~u~~w~~~~ll~~ajymq~~ll~~bael~~M~~uqjzp~~on~~f

vlyr[= uav;r&bl	(awmi&)
taygi MUDim, þN78 a, muſ[(tſ(rifteEþl(a&), u-42)	
wlf[d ðom&hi , f	(uþriſtreðwñyefwf (ausu-47)
	r= r&f(ayg&mP' yel pm-24)
tumjylP tEþrlvnt	(ulcefyP ylh&- 33)
olbñlvñwñ? jylf xllfjim	(*gxmajcmufq, yP ylh&-16)
a&SpomayuAstrñwñf]r) [homayg&mPumull]r&] [homt "yhl, sjih oHElf xmonf	jrefma' od pumrsñjzþonhawni& "ER tifoma' od pumwñwñf]r) ulr& [homt "yhl, sjih, aeWlajymqþlþlænqjzþonf
v, f, mrlrkrh	(awmi& "ER tifom)
	r, f = olbñolbef (ayg&mP' yel pm-184)
r, fþl tjrþlxlyf	(ulcefyP ylh&- 126)
olmñclwñvn? ruWElloir, fþl	(r [mZeuyP ylh&- 8)
a&Spomayrsñwñf "r, f" [hom ayg&mPumull awlonf t"yhl, fñ olbñ olbef jzþonf	awmi& tifoma' od pumwñf olbñolbef]r, f} [k, aeWlþlæf aeWlajymqjzþonf pþrefmpumwñf]r, f [homt olbñolbef awlonf/
rment[lvm = olbñolbef lvm/	(awmi&)
olbñ, f = olbñ	("E")
r, fz, fm xmauslef = olbef, fe&mrñ xmvñor	(tifom)
rsuEþjrif= omorþarþñri omorþrsuEþuñriþ (ayg&mP' yel pm-25)	
rsuEþjrif? 'lw u tóygv	(ulcefyP ylh&- 14)
&m[kvñllrsuEþjrif	(*gxmajcmufq, yP ylh&-65)
ulcefywñfomorþarþñriþrsuEþjrif [bEþxmonfuñawlonf	
tiſoma' od pumwñvn? omorþarþñriþrsuEþjrif [k, aeWlþlæf olbñ aeWlajymqjzþonf awmi& "Eh' od pumwñwñf a&Suam ouñlD&G ftñsmu "rsuEþjrif" kaiymatelluñzþonf	

vufuw = **cif** (***slf**) (ayg&mPtbdlme pm-333)

acgi̥xubllusl ausmay:olwu vufuwda&mu (Or E̥y̥ y̥la&-12)

Or E̥y̥ "vufuw" [hom ayg&mPpumullaw&onf

awmi& "ER t̥isoma'od pumwif cifullvufuw [k , ae̥y̥lāc:a0: o̥p̥aellu qjzponf

vwuw (awmi&)

vufuw ("ER t̥isom")

t [ef= wh, miflyonf (ayg&mP'y̥e pm- 4)

aumi̥rphibef vlt [ebl (*gxmajcmuf, sy̥y̥la&-59)

zlt [e̥ tolle (a&C onf ify̥ y̥la&-16)

y̥luAsrsmwf "t [ef" [hom ayg&mPpumullaw&onf wh, miflyk onf q̥lom t"y̥h, szihoE̥lxmonf

ti̥soma'od pumwif]t [e̥ [hom ayg&mPpumull , ae̥kufxd ajymqll o̥p̥aeo;alumif aw&onf

t [efqmcif tqit = [e̥qmcif ts̥mullajym&mwif folonpum/

y̥pmaywf aw&aom ayg&mPpumrs̥E̥h jrefma'od pumrs̥& a'od tolrs̥ E̥f, S̥avlm&mwif t"y̥h, wh̥t̥ tolwh̥&alumif avlmaw& &yg onf

lb̥lb̥loytsuf

jrefma'od pumrs̥jzp̥aom (awmi& "ER t̥isom)&'od pumtolrs̥E̥h y̥luAsrsm&ayg&mPpumrs̥E̥h E̥f, S̥avlm&mwif ayg&mPpumt"y̥h, E̥ha'od pumwif t"y̥h, wh̥t̥&bnfull aw&&onf xlbi wh̥t̥&lejci̥onf a'od pumrs̥u jrefmbomopum\ tolis̥pumjzp̥onfull ou̥hocleonh tsuylif jzp̥onf awmi& "ER t̥isomwif&isomwibnf aexl̥&ma&ajra'o e̥py̥aejci̥? vr̥ye̥ qub̥ f& aumi̥r̥aejci̥? &fjynf, ftwif twlws̥exl̥&mi̥f, f̥l̥jci̥ponh tsufrsmalumif pumtajymtq̥i tol̥E̥swif wh̥t̥&leygonf jrefma'od pumrs̥ jzp̥li̥vn̥ tsuog[m&rs̥onf awmi& "ER t̥isomvrl̥ tm̥vll o̥p̥aemionfullaw&onf Oyrm (pm̥ ypm̥ ajrm̥ r̥)

a'od pum\ vuPmwp&jzp̥onh ayg&mPpumtollyci̥ull awmi& "ER t̥isomwif&isomwif , ae̥kdl̥if ajymqll o̥p̥aelluqjzponf a'od pumrs̥E̥h

ys̄p̄mayr̄m̄r̄Sayḡm̄P̄pum̄w̄L̄Ēt̄, ဓ̄av̄l̄m̄n̄j̄c̄īf̄z̄īh̄ā&Sp̄may ys̄Ās̄r̄m̄t̄aȳ:ȳ
p̄v̄D̄īp̄m̄r̄S̄v̄f̄ōm̄v̄m̄n̄t̄k̄x̄īf̄r̄f̄ȳḡon̄ x̄ȳīf̄w̄l̄f̄&īf̄ōm̄t̄c̄s̄c̄s̄ c̄p̄l̄m̄n̄&īf̄Ē
r̄l̄n̄f̄ &&P̄r̄n̄j̄z̄p̄b̄on̄ j̄r̄f̄m̄b̄m̄ōp̄um̄ av̄l̄m̄v̄l̄b̄w̄l̄t̄w̄ūv̄n̄f̄ w̄p̄k̄ūw̄p̄l̄v̄r̄f̄s̄
tax̄m̄ūft̄ūj̄Ēt̄n̄f̄k̄, မ̄n̄ȳḡon̄

ed̄

ပ̄p̄m̄w̄r̄f̄on̄f̄ a&S̄ōl̄p̄um̄ ayḡm̄P̄Ēh̄ j̄r̄f̄mā'ōd̄ p̄ūm̄r̄m̄r̄S̄ aw̄m̄&P̄ "ĒR̄
t̄īf̄ōm̄ā'ōd̄ p̄ūm̄w̄L̄ āj̄ȳm̄q̄b̄b̄p̄f̄l̄w̄h̄ȳN̄l̄ Ēt̄, ဓ̄av̄l̄m̄x̄m̄j̄c̄īf̄z̄p̄b̄on̄f̄ ayḡm̄P̄
Ēh̄j̄r̄f̄mā'ōd̄ p̄ūm̄r̄m̄t̄āl̄ūm̄f̄ r̄l̄v̄q̄ūft̄āēĒf̄b̄m̄ w̄īf̄ȳx̄m̄j̄c̄īf̄z̄p̄ȳḡon̄f̄ q̄ūv̄ūf̄
ōh̄wōēj̄&f̄r̄m̄p̄h̄ ūs̄&f̄ēāō;āl̄ūm̄f̄ w̄īf̄ȳ&īf̄ēd̄h̄c̄ȳf̄t̄ȳḡon̄f̄

av^hmaome, ယ, Eshyiswift archer; hy^hfr^hm;

obwoejybbnf t^hsw^h&i^holwpD^hzpygon/ &fjynawmi y^hfw^hf awm^h &h
 "ER t^hiomw^h&i^homw^h twlu^h aex^hly^hgon/ jrefma' o^h pum ajymqbl
 tciscs^h a' o^h pumto^h wh^htsm^h owylk^hmrS aw^hl^hr; jrefjcifrm^h jy^hlyt^hg
 on/ tcgtcibiw^h awm^h &? "Ekw^h&i^homw^h aex^h&ma' orsm^h obta&muf
 vnyw^hif aw^hl^hr; jrefcyon/ x^h'o^h pumrsm^hSayg^hmp pumw^hll a&cs, fum
 y^hpmay&Sayg^hmp pumw^hEsh^hif, Obav^hmyon/

awm^h &hsw^h&i^hom

1/	a':at;v ^h	90 Ep ^h	r ^h ll	wr ^h ñ
2/	a':t ^h yf	83 Ep ^h	r ^h ll	&ñijym ^h &ñ
3/	Oñausif	75 Ep ^h	awm ^h bl	vuñarmi ñau ^h &ñ
4/	Oñçpif ^h ef	68 Ep ^h	awm ^h bl	wr ^h ñ
5/	Oñv ^h x ^h f	65 Ep ^h	uñbnf	&ñijym ^h &ñ
6/	racm ^h ef	35 Ep ^h	pm ^h , OftzDif	wr ^h ñ
7/	rpk ^h ax ^h	26 Ep ^h	pm ^h , OftzDif	Ogjym ^h &ñ
8/	rt ^h eOD	23 Ep ^h	uñbnf	&ñijym ^h &ñ

"Ekw^h&i^hom

1/	Oñrarmif	70 Ep ^h	ygarmu ^h (ji ^h t)	ausmufqññwsu ^h lv
2/	Oñriñrmif	67 Ep ^h	ausmif ^h ty(ji ^h t)	yifw, jr ^h
3/	a':ci ^h roif	49 Ep ^h	uxuñjrefnm ^h	awm ^h buñwu ^h lv
4/	a':jzljzl0if	48 Ep ^h	txuñwe ^h jy	[J]ñjr ^h
5/	a':pE ^h moif	48 Ep ^h	olemjyK	uavnjr ^h

t^hiomw^h&i^hom

1/	aygi ^h if	90 Ep ^h	r ^h ll	r ^h fy ^h &ñ
2/	a':ci ^h at;	79 Ep ^h	r ^h lyf(ji ^h t)	ee ^h fy ^h &ñ
3/	a':at;rd	78 Ep ^h	uñbnf	ee ^h fy ^h &ñ
4/	a':&D	78 Ep ^h	r ^h ll	&ñr
5/	pmwr ^h &ñr ^h mpDifm			

useful pm& if

cirił armis ("Ejz")/ (2016)/ jrefn̄pum̄ talmiſ waplw̄p̄m̄iſ &eūleļ viſv̄tſciſpmayw̄l̄iſ
cirił armis ("Ejz")/ (2019)/ bmōma' aOg[m̄rsm̄l̄ &eūleļ a'giſpmay/
wiſ ODEſt̄rsm̄/ (1964)/ Or̄f̄ Ejz &eūleļ jrefn̄Ell̄iſb̄woetoſiſ/
wiſ? OY (1975)/ jrefn̄mbmōpum̄ \ a'od pum̄rsm̄avh̄m̄t jrefn̄Ell̄iſb̄woetoſiſ*me, ?
tw̄(58)? tyſiſ (2)/

wiſoiſw̄l̄Def̄ [m̄p̄n̄b̄l̄ (1321)/ r[m̄Zeuyſiſ &eūleļ jraZm̄yEſiſw̄l̄iſ
xēſjriſ OY (2016)/ ygl̄b̄ušb̄o[m̄t b̄l̄ne(w-NUt̄)/ &eūleļ p̄l̄v̄l̄c̄ ſt̄yEſiſw̄l̄iſ
azarmiſwiſ OY (1958)/ bmōmavmuurſiſ &eūleļ pmayAdm̄eſyEſiſw̄l̄iſ
jrarmiſ (1979)/ awni&la' oEſpum̄ r[m̄OZb̄l̄, l̄urſiſ / rEſv̄w̄uioſl̄iſ
jrefn̄pmt z̄ (2018)/ jrefn̄t b̄l̄ne(w-NUt̄)l̄ &HtrSv̄f-52? aejyn̄n̄awm̄/
&Xom&? r[m̄ſſiſ (1959)/ pw̄k̄r̄Om̄tuk̄ceſyſiſ Ell̄iſb̄w̄m̄R̄omoem̄t z̄ &eūleļ
&a0x̄b̄ſiſ (1985)/ a&[oſir̄iſyſiſtajzurſiſ &eūleļ aeviſyſuwyEſiſw̄l̄iſ
onjrw̄l̄ OX(OY)l̄ (1961)/ ayg&mPpum̄t b̄l̄neſl̄ &eūleļ [b̄m̄ow̄yEſiſw̄l̄iſ
ođſ? q&n̄ arſib̄l̄ (r-1292)/ ayg&mP' yel̄urſiſ &eūleļ v, wiſ@H̄yEſiſw̄l̄iſ
[k̄p̄t̄l̄ OY (1999)/ ygl̄d̄jrefn̄t b̄l̄neſl̄ &eūleļ cr̄t̄oma&niſp̄yEſiſw̄l̄iſ
{armiſ OY ygarmuſ(zw&ppob̄)/ (1958)/ yſH̄usmuſpm̄ vUš&p̄iſ
atmiſriſD̄p̄ a'guſw̄l̄iſ (2006)/ t̄iſav;a'od pum̄l̄ &eūleļ ynm̄weſqmiſyEſiſw̄l̄iſ
t̄*v̄rm̄iſ&ſiſ (2015)/ aerb̄l̄teſyſiſD̄armiſarmiſMuſw̄n̄ſzw̄)/ &eūleļ &mȳn̄hp̄mtlyEſiſw̄l̄iſ
t̄leſn̄iſ&ſiſ (1965)/ *gx̄majcmuſq, ſyſiſ &eūleļ [b̄m̄ow̄yEſiſw̄l̄iſ
t̄*v̄ybm̄om̄

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