

6Ui ghY`Yb!6]`Ubn.' < Ua a 'gYhnh'Ui Z'Yb[Y
?ccfX]bUh]cb'i bX'Gca a YfZYf]Yb!J cfhY]`Y

⇒< Ua a '[]Vh'Yg'nU\`fY]WXY'6Ui ghY`Yb'ni f
GhfU»YbgUb]Yfi b["'8]Y'GhUXh'_ccfX]b]Yfh'X]Y'5fVY]hYb'ZØf
k Yb][Yf'J Yf_Y\fgY]bgWfÅb_i b[Yb"

6Ui ghY`Yb']b' < Ua a . ' < YfUi gZcfXYfi b[Yb
i bX'@Øgi b[Yb'ZØf'X]Y'5bk c\bYf

⇒< Ua a 'dfÅ[Yb'XYfnY]h'nU\`fY]WXY'6Ui ghY`Yb'XUg'GhUXhV]'Xž
k Ug'ZØf'j]Y'Y'5bk c\bYf'Y]bY'hÅ[']WXY' < YfUi gZcfXYfi b['XUfghY`h"
I a 'XYb'⇒j Ygh]h]cbgghUi 'j]b'XYf'⇒ZfUghfi _hi f'Ui Zni \c'Ybž'\Uh'X]Y
GhUXh'nU\`fY]WXY'6Ui dfc'Y_hY'jbg'@VYb'[Yfi ZYbž'X]Y'gck c\
FUXk Y[Y'U'g'Ui W'GhfU»Yb'i a ZUggYb"

9]b'bc hk YbX][Yf'GWf]hh'ZØf'X]Y
⇒ZfUghfi _hi f

8]Y'GhUXhj Yfk U'hi b['VYhcbž'XUgg'X]Y['Y]W'nY]h][Yb'6Ui ghY`Yb
Y]bY`c[]gWY': c['Y'XYf'Bchk YbX][_Y]h'g]bXž'X]Y'gca a Yf']WYb
: Yf]Yb'U'g'NY]hZYbghYf'ZØf'6Ui UfVY]hYb'ni 'bi hnYb" 'K Yb][Yf
J Yf_Y\fk Å\fyb'X'X]YgYf'NY]h'gc`XUni 'VY]hfU[Ybž'X]Y
6YY]bhfÅW]h][i b[Yb'ZØf'X]Y'5i hcZU\fyf'ni 'a]b]a]YfYb"'9]b
6Y]gd]Y`XUZØf'gh'X]Y': Å\fghfU»Yž'XYfYb'6Ui 'Yfgh'bUW'XYf
: Yfh][ghY`i b['XYf'5XYbUi YfU`YY'VY[cbbYb'k i fXYž'i a 'XYb
J Yf_Y\fgZi gg'b]W'h'ni gÅh']W'ni 'VY'UghYb"

8 Yf'8]U`c['a]h'XYf'6Yj Ø`_Yfi b[']bhYbg]j]Yfh
g]W

I a 'X]Y'6Øf[Yf'ØVYf'X]Y''Ui ZYbXYb'6Ui a U»bU\ a Yb'VYggYf'ni
]bZcfa]YfYb'i bX'J YfghÅbXb]g'ni 'ZØfXYfbž\Uh'X]Y'GhUXh'<Ua a
Y]bY'A Uf_Yh]b[U[Ybhi f'Yb[U[]Yfh''8]YgY'5[Ybhi f'k]fX'XUfUb
UfVY]hYbž'Y]b'i a ZUggYbXYg'?ca a i b]_Uh]cbg_cbnYdh'ni
Yb'hk]W_Y'bž'XUg'j]U'6Ui gW\X]Yfž'6Ui nUi bVUbbYf'i bX'X][]hU'Y
A YX]Yb'Y]bYb'_'UfYb', VYfV'W_ØVYf'X]Y' [Yd'UbhYb'Dfc'Y_hY' []Vh'
K]f'k c''Yb'XYb'5bk c\ bYf'Y]bY'hfUbgdUfYb'hY'?ca a i b]_Uh]cb
V]YhYb ž'Yf_'Åfh'Hca' < YfVYf[ž'DfYggYgdFYW Yf'XYf'GhUXh''6YfY]hg
]a '@Ui ZY'XYf'bÅW ghYb'K cW Yb'gc''Yb'X]Y'YfghYb'9f[YVb]ggY
X]YgYf' ð]h]Uh]j Y'dfÅgYbh]Yfh'k YfXYb"

5 _hi Y''Y'6Ui d f c ^Y _hY']b' < Ua a

9]b '@]W hV']W_ ZØf'X]Y'5bk c\ bYf']gh'X]Y'VU'X][Y': Yfh][ghY''i b['XYf
6Ui a U»bU\ a Yb']b'XYf'K]\Y'a ghfU»Y'i bX'XYf'?^Y]bYb
5''YYghfU»Y''8]Y'9fbYi Yfi b['XYf'5gd\U'hXYW_gW]W'h'bY][h'g]W
XYa '9bXY'ni ž'i bX'UV'GUa ghU[ž'XYa ''''5i [i ghž_ØbbYb
5i hcZU\ fYf'Xcfh'k]YXYf'i bY]b[YgW fÅb_h'ZU\ fYb"

8]Y'5i gk]f_i b[Yb'Ui Z'XYb'5''hU['XYf'6Øf[Yf

8]Y'nU\ fY]W Yb'6Ui ghY''Yb'\UVYb'ZØf'X]Y'6Øf[Yf'j cb'<Ua a
k Yb][Yf'GhUi g'ni f': c'[Y''8 Ug'VYghÅh][h'X]Y'GhUXhj Yfk U'hi b[ž
]bXYa 'g]Y'ZYghghY''hž'XUgg'[YfUXY']b'XYb'Gca a Yfa cbUhYb'a]h
k Yb][Yf'J Yf_Y\ f'Ui W'X]Y'6Y\]bXYfi b[Yb'a]b]a U'g]bX''8]YgY
GhfUhY[]Y'k]fX'U'g'g]bbj c''YfUW hYhž'i a ''Ub[Zf]gh]['X]Y
ðZfUghfi _hi f'XYf'GhUXh'ni 'j YfVYggYfb'i bX'X]Y'A cV]']hÅh'ni
Yf\Ø\Yb"

: Un]h. '9]b'6U`UbW U_h'nk]gW Yb

B c h k Y b X][_Y]h'i b X'6Y Y]b h f Å W h][i b [

8]Y'U_hi Y''Yb'6Ui a U»bU\ a Yb']b'<Ua a 'VYXYi hYb'ZØf'j]Y'Y
5i hcZU\ fYf'i bX'5bk c\ bYf'Y]bY'<YfUi gZcfXYfi b[ž'XcW'g]Y'g]bX
b'ch'k YbX][ž'i a 'X]Y '@VYbgei U']hÅh]b'XYf'GhUXh'XUi Yf\UZh'ni
g]W Yfb''8i fW'j YfVYggYfhY'?ca a i b]_Uh]cb'i bX'hfUbgdUfYb'hY
ðZcfa Uh]cbYb'a ØW hY'X]Y'GhUXh'XUg'J YfghÅbXb]g'XYf'6Øf[Yf'ZØf

X]Y`nY]hk Y`][Yb`9]bgWfÅb_i b[Yb`Z0fXYfb"5a`9bXY`_0bbhY`g]W
X]Y`A 0\Y`U`g`bUW\U`h][Yf`; Yk]bb`Z0f`X]Y`; Ya Y]bXY`Yfk Y]gYb"

· B 5;

8 YhU]`g

6Ygi W\Yb`G]Y`i bg`Ui Z.`b!U["XY