

8]Y'?]fWXYb']a '8]U`c[.; YXYb_Yb'Ub ?c`cb]U`]ga i g'i bX'A]gg]cb

8]Y '_Uh\c`]gW\Y '?]fW\Y 'U`g'J cfV]`X 'ZØf'X]Y '_f]h]gW\Y 5 i ZUfVY]hi b[']\fYf'Fc``Y']a '?c`cb]U`]ga i g' 'Y]b bchk YbX][Yf'[YgY``gW\UZh`]W\Yf'DfcnYgg"

8]Y'Fc``Y'XYf'?]fW\Yb']b'XYf'_c`cb]U`Yb 5i ZUfVY]hi b[

8]Y'8]g_i gg]cb'ØVYf'X]Y'5i ZUfVY]hi b['XYg'?c`cb]U`]ga i g']gh'Y]b
Y`Ya YbhUfYf'6YghUbXhY]`'Y]bYg'VfY]hYfYb'[YgY``gW\UZh`]W\Yb
DfcnYggYg"'8]Y'?]fW\Ybž'U`g'VYXYi hYbXY'5_hYi fY']b'XYf
W\f]gh`]W\Yb'A]gg]cbg[YgW\]W\hYž'ghY\Yb']b'XYf'JYfUbhk cfhi b[ž
g]W\'U_h]j 'a]h'X]YgYf'H\Ya Uh]_'Ui gY]bUbXYfni gYhnYb"'8]Yg'k i fXY
Øb[gh'Xi fW\'XYb'5i Zfi Z'j cb'6]gW\cZ'6YfhfUa 'A Y]Yfž'XYa
XYi hgW\Yb' K Y`h_]fW\Y!6]gW\cZ ž'XYi h`]W\"'9f'ZcfXYfh'Y]bY
_f]h]gW\Y'6YhfUW\hi b['XYf'Fc``Y'XYf'?]fW\Y']a '?cbhYl h'XYg
?c`cb]U`]ga i g"

8]YJYfUbhk cfhi b[XYf?]fWXYb

8]Y?]fWXYb'a ØggYb'g]WX']\fYf'Fc``Y']b'XYf'_c`cb]U`Yb

J Yf[Ub[Yb\Y]h'VYk i ggh'k YfXYb"'8]YgY'5i gY]bUbXYfgYhni b[']gh

b]WXh'bi f'bchk YbX][ži a 'X]Y'Y][YbY'; YgWX]WXhY'_f]h]gWX'ni

fYZY_h]YfYbž'gcbXYfb'Ui WXži a 'Y]bY'X]ZZYfYbn]YfhY'G]WXhk Y]gY'ni
Ybhk]W_Y`b"'8]Yg']gh']bgVYgcbXYfY'ZØf'X]Y''Øb[YfY'; YbYfUh]cb'j cb
[fc»Yf'6YXYi hi b[ž'XU'XUg'H\Ya U'?c`cb]U`]ga i g']b']\fYa
6Yk i gghgY]b'Y]bY'\c\Y'Df]cf]hÀh'\Uh"'8]Y'_]fWX`]WXY'5i ZUfVY]hi b[
_Ubb'XUVY]'\Y`ZYbž'gck c\``X]Y'9fZc`[Y'U`g'Ui WX'X]Y
GWXUhhYbqY]hYb'XYf'A]qq]cbq[YgWX]WXhY'ni 'VY`Yi WXhYb"

9]b K Y['ni 'X]ZZYfYbn]YfhYa '; YXYb_Yb

B Oh][$_Y$] $h X Y f C ZZY b \ Y]<math>h D X Y f ?$]f W X Y

 $= \text{VYghYb}: U```_ObbhY`X]Y`_Uh\c`]gW\Y`?]fW\Y`U`g`JcfV]`X`ZØf`Y]bY i a ZUggYbXY`i bX`_f]h]gW\Y`5i gY]bUbXYfgYhni b[`a]h`XYf`Y][YbYb A]gg]cbg[YgW\]W\hY`]a `?cbhYl h`XYg`?c`cb]U`]ga i g`X]YbYb"`8 Ua]h X]Yg`[Y`]b[hža i gg`XUg`H\Ya U`_c`cb]U`Y`5i ZUfVY]hi b[`YXcW\jYfgh\h_h']b`XYb`_]fW\`]W\Yb`8]g_i fg`Y]b[YVfUW\h`k YfXYb"`9]bY Yf\O\hY`HfUbgdUfYbn`i bX`Y]b`cZZYbYf`8]U`c[`g]bX`YbhgW\Y]XYbXž i a `XUg`JYfhfUi Yb`]b`X]Y`\deltagh]hi h]cb`ni `gh\h_Yb`i bX`Y]bY`Y\f`]W\Y 5i gY]bUbXYfgYhni b[`ni `ZOfXYfb"$

$8]Y'[YgY``gWXUZh`]WXYb'=a d`]_Uh]cbYb$

8 Ug; YXYb_Ybi bX'9f]bbYfb']gh'Y]bY'ni h]YZgh'dc`]h]gWXY: fU[YžX]Y kY]hfY]WXYbXY'[YgY``gWX UZh`]WXY'=a d`]_Uh]cbYb'\Uh"8]Y UbghY\YbXY'8]g_i gg]cb'ØVYf'XUg; YXYb_ghÀhhYb!?cbnYdh'j cb?i `hi fghUUhga]b]ghYf]b'7`Ui X]U'Fch\ž'XUg'X]Y'H\Ya Yb?c`cb]U`]ga i gž'8 Ya c_fUh]Y[YgWX]WXhY'i bX 9]bk UbXYfi b[g[YgY``gWX UZh'a]hY]bUbXYf'j Yf_bØdZYb'a ÒWXhYžnY][hž'k]Y'k]WXh]['Yg']ghž'X]YgY'\]ghcf]gWXYb': fU[Yb'i a ZUggYbX'ni VY\UbXY`b"'8]Y'6YZØfWXhi b[Ybž'XUgg'gc`WX'Y]bY'5i gk Y]hi b['ni Y]bYf'J Yfk ÀggYfi b['V]g\Yf][Yf'GWXk Yfdi b_hY'ZØ\fYb'_ÒbbhYž a ØggYb'Yfbgh'[Ybca a Yb'k YfXYbž'YXcWX'VYghY\h'Ui WX'X]Y 7\UbWYžY]bY']bhY[fU`Y'; YXYb__i `hi f'ni Ybhk]W_Y`b"

: Un]h. '9]b 'k]WX h][Yf 'G WX f]hh 'ni f '9fb Yi Yfi b[

± XYf [Y[Ybk Àfh][Yb 8 YVUhhY i a 'XYb '? c`cb]U`]ga i g'i bX 'XYggYb 5 i ZUfVY]hi b['nY][Yb 'g]W 'X]Y 'A Ò[`]W _Y]hYb i bX < YfUi gZcfXYfi b[Ybž'X]Y ']b 'Y]bYf'_f]h]gW Yb 'FYZYI]cb 'Ybh\U`hYb g]bX"' ± XYa 'X]Y '?]fW Yb 'Y]bY 'nYbhfU`Y 'F c``Y']b 'X]YgYf 5 i gY]bUbXYfgYhni b['ØVYfbY\a Ybž'_ÒbbYb'g]Y 'b]W hibi f']\fYY Y][YbY'; YgW]W hY 'Ui ZUfVY]hYbž'gcbXYfb 'Ui W 'ni 'Y]bYf i a ZUggYbXYfYbž'[YgY``gW UZh`]W Yb '8]g_i gg]cb 'VY]hfU[Yb"'8]YgY _Ubb '`Yhnh`]W 'ni 'Y]bYa 'Ya ch]cbU`Yb ii bX '[Y]gh][Yb 'K UW ghi a ZØ\fYbž'XUq'ZØf'X]Y'; Ya Y]bgW UZhii bi a [Àb[`]W ']gh"

8Yf5i hcf

 $8 \ Yf'8 \ ca \]b]_UbYf'A \ UI \ '7 \ Udd \ UV]UbWU']gh'@Y]hYf'XYf'? \ Uh\ c`]gWXYb \ Ghi \ X]YfYbXYb[\ Ya \ Y]bXY'<`"'9X]h\ 'GhY]b']b'6Yf`]b'''J \ cb'&$$-'V]g \ &$\%*''k \ Uf'Yf'A \]hUfVY]hYf'XYf'j \ Uh]_Ub]gWXYb \ Cgh_]fWXYb_cb[\ fY[\ Uh]cb''$

<]bk Y]g

 $8 \ Yf'GhUbXdib_h'gd]Y[\ Y`h'Ui\ ggWX`]Y \ ``]WX`X]Y`A\ Y]bi\ b[\ `XYg'Yk\ Y]`][\ Yb'5i\ hcfg'k\]XYf''$

8 YhU]`g

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z 'b!U["XY