

BYiY'6Y[Y[bib[Yb']a 'Df]hnk U`_Yf 9? =8 N. '9`hYfb!?]bX!HfYZZ'ghUfhYh'k]YXYf

8 Y f '9? = 8 N 'A]hY]bUbXYfFUi a ']b 'Df]hnkU`_ 'ÒZZbYhY 'k]YXYf" 6 Y gi WX Y b 'G]Y 'X Y b '9 'hYfb!?]bX!HfYZZ'i bX 'XUg 6 Y [Y [bi b [gWUZÅ °

BUWN 'Y]bYf'Yf\c`gUa Yb'Gca a YfdUi gY'\Uh'XYf' $9? \pm 8$ N A]hY]bUbXYfFUi a ']b'Df]hnk U`_'gY]bY'HØfYb'YfbYi h'[YÒZZbYh'i bX V]YhYh'XUa]h'Y]bYb'Cfh'ZØf'6Y[Y[bi b[Yb'i bX'[Ya Y]bgUa Yg Gd]Y`"'8]Y'K]YXYfYfÒZZbi b['Z]bXYh']b'XYf'; fØbghfU»Y'(-'ghUhhž'k c X]Y'[fc»Yb'i bX'_`Y]bYb'6Ygi WXYf'\Yfn`]WX'k]``_ca a Yb'[Y\Y]»Yb k YfXYb"

?ccfX]bUhcf]b 'GUfU\ '?fUggY`h 'ZfYi h 'g]W\ ža]hhY]`Yb 'ni '_ObbYbž XUgg 'XYf'VY`]YVhY '9`hYfb!?]bX!HfYZZ'bi b 'k]YXYf'j cb '8]YbghU['V]g : fY]hU[ž'Yk Y]`g'j cb '- "' \$ 'V]g'%&"' \$ 'I \fž'ghUhhZ]bXYh"'8]YgY J cfa]hhU[gg]hni b[Yb 'g]bX 'gdYn]Y```XUfUi Z'Ui g[Y`Y[hž'9`hYfb'i bX ?]bXYfb 'X]Y'A O[`]W_Y]h'ni '[YVYbž']b'Y]bYf'ZfYi bX`]W\Yb I a [YVi b['ni ']bhYfU[]YfYbž'ni 'gd]Y`Yb'i bX'g]W\'Ui gni hUi gW\Yb"

6Y[Y[bib[gWUZÅ ZØf YbhgdUbbhYBUWXa]hhU[Y

6YgcbXYfg`\Yfj cfni \YVYb`]gh`XUg`6Y[Y[bi b[gWUZÅž`XUg`Ub 8cbbYfghU[!'i bX': fY]hU[bUW\a]hhU[Yb'j cb'%)`V]g`%+`I\f
[YÒZZbYh`]gh"'<]Yf`_ÒbbYb`X]Y`6Ygi W\Yf`]b`YbhgdUbbhYf
5ha cgd\ÀfY`bYi Y`6Y_UbbhgW\UZhYb`gW\`]Y»Yb`i bX`]b`[YgY``][Y
; YgdfÀW\Y`Y]bhUi W\Yb"8]YgYg`7UZÅ`V]YhYh`b]W\h`bi f`Y]bYb`FUi a
ZØf`9`hYfbž`gcbXYfb`Ui W\`Y]bY`D`UhhZcfa `ZØf`U``Yž`X]Y`]b`XYf
; Ya Y]bXY`U_h]j`hY]`bY\a Yb`a ÒW\hYb"

9]b 6`]W_ 'Ui Z'X]Y 'ZfØ\YfYb 'J YfUbghU`hi b[Yb 'nY][hž'XUgg'XYf': c_i g b]W\h'bi f'Ui Z'Gd]Y 'Yb'`]Y[hž'gcbXYfb 'Ui W\ 'Ui Z'XYf': ÒfXYfi b['j cb gcn]U`Yb': À\][_Y]hYb 'i bX'XYa '@YfbYb']b'; Ya Y]bgW\UZh"'8]Y K]YXYfYfÒZZbi b['XYg'NYbhfi a g'_ca a h'U`gc'[YfUXY'ni f'fYW\hYb NY]hž'XU'j]Y`Y': Ua]`]Yb 'bUW\ XYf'gW\i `]gW\Yb'Gca a YfdUi gY'bUW\ A Ò[`]W_Y]hYb'gi W\Ybž'X]Y'?]bXYf'ni 'VYgW\ÀZh][Yb'i bX'gY`Vgh gcn]U`Y'?cbhU_hY'ni 'dZY[Yb"

$K \]WX h][\ \underline{Y}]h \ X Y g \ A \]hY]b Ub X Y fg$

8]Y'FØW__Y\f'jcb'5b[YVchYb'k]Y'XYa '9`hYfb!?]bX!HfYZZ'ibX'XYa6Y[Y[bib[gWUZÅ'fYZ'Y_h]Yfh'XUfØVYf'\]bUig'Y]bYb'HfYbX'\]b'niaY\f'; YaY]bgWXUZhgU_h]j]hÀhYb'ibX'Y]bYf'ghÀf_Y'JYf_bØdZib[]bbYf\U`V'XYf'BUWXVUfgWXUZh''8]YgY'HfYZZdib_hY'g]bX'ZØf'j]Y`Yb]WXh'bif'Y]b'Cfh'XYg'Gd]Y`gž'gcbXYfb'UiWX'Y]bY'YggYbh]Y``YlbhYfghØhnib[']a'5``hU[ž'X]Y'Y]b'; YZØ\``XYf'Ni[Y\Òf][_Y]hYfnYi[h'

K Ybb'G]Y'U`gc'Ui Z'XYf'Gi W\Y'bUW\'Y]bYa 'D`Uhn'g]bXž'i a 'bYi Y A YbgW\Yb'ni 'hfYZZYbž'cXYf'Y]bZUW\'bi f'Y]bY'gW\\ObY'NY]h'a]h ⇒fYa '?]bX'j YfVf]b[Yb'a ÒW\hYbž']gh'XYf' 9? →8 N

A]hY]bUbXYfFUi a '[YbUi 'XYf'f]W\h][Y'Cfh"'<]Yf'Z]bXYb

6Y[Y[bib[Yb'ghUhhž'X]Y'ØVYf'XUg'Gd]Y``\]bUi g[Y\Yb'i bX'Y]b

; YZØ\``j cb'; Ya Y]bgW\UZh'ZÒfXYfbž'XUg'i bg'U``Y'ghÀf_h"

$5_h]j]hAhYbZØf?]bXYfibX9hYfb$

 $= 9? = 8 \text{ N.A. }] \text{hY }] \text{b Ub XY } \text{f F Ui a. ik Y } \text{f XY } \text{b. } \text{f Y [Y `a. Å `a.] [`ij Y fgWk.] Y XY b Y 5 _ h] j. }] \text{hA hY b. i. } \text{b. X. } 5 \text{b. [Y V c. hY `. ZØf `?] b XY f `i. b X.] \ f Y `. 9 `hY f b. c f [Ub] g] Y f h'' 8 Uni `. [Y \ Of Y b. 6 Ugh Y `ghi b XY b z `Gd] Y `b UWk.a.] hhU [Y `gck.] Y K. cf_g \ cdgz `X] Y `gck.c \ `. X] Y `. ? f Y Uh] j.] hA h `XY f `. ?] b XY f `ZO f XY f b. `U`g Ui Wk. `XY b. 5 i. ghUi gWk. `nk.] gWk. Y b. `XY b. '9 `hY f b. `Y f `Y] Wk. hY f b. " 8] Y J Y f Ub ghU`hi b [Y b. `g] b X `gc. `[Y ghU`hY hz `X Ugg.`g] Y `X] Y `gcn] U`Y b. `A\] [_Y] hY b. `XY f `?] b XY f `ghÀ f _ Y b. `i. b X `[`Y] Wk. nY] h] [`XY b. '9 `hY f b. `X] Y A O [`] Wk._Y] h` V] Y hY b z `g] Wk. `i. b hY f Y] b Ub XY f `Ui. gni. hUi. gWk. Y b."$

9]b'VY`]YVhYg'5b[YVch'g]bX'X]Y'h\Ya Uh]gW\Yb'9`hYfbUVYbXYž'VY]
XYbYb'9IdYfhYb'ni 'VYgh]a a hYb'H\Ya Yb'fYZYf]YfYb'i bX'FUi a 'ZØf
8]g_i gg]cbYb'V]YhYb"'8]YgY'JYfUbghU`hi b[Yb'\Y`ZYb'9`hYfbž
<YfUi gZcfXYfi b[Yb'XYg': Ua]`]Yb`YVYbg'VYggYf'ni 'VYk À`h][Yb
i bX'k Yfhj c``Y'\DZcfa Uh]cbYb'ni 'Yf\U`hYb"

Gcn]U`Y 6YXYi hi b[XYf 6Y[Y[bi b[gfÀi a Y

 $8] Y '6 Y X Y i hi b ['j cb'6 Y [Y [bi b [gfÅi a Yb'k] Y 'XYa '9? # N A] hY] b Ub X Y f F U i a '_Ubb'b] W h'\cW '[Yb i ['Y] b [YgW Å hnh'k Yf X Yb'' 8] Y g Y 'C f h Y 'V] Y h Y b ': Ua] `] Y b ž'] b g V Y g c b X Y f Y 'U ``Y] b Y f n] Y \ Y b X Y b 9 `h Y f b h Y] `Y b ž' Y] b Y 'k] W h h] [Y 'I b h Y f g h Ø h n i b [" # b 'j] Y `Y b 'G h Å X h Y b '[] V h Y g Y] b Y 'g h Y] [Y b X Y 'B U W Z f U [Y 'b U W 'g c n] U `Y b 'i b X [Ya Y] b g W U Z h `] W Y b '5 b [Y V c h Y b ž' X] Y '<] `Z Y g h Y ``i b [Y b '] a '5 ``h U [V] Y h Y b 'i b X 'n i [Y] W Y] b '; Y Z Ø \ `` X Y f 'N i [Y \ O f] [_Y] h 'Z O f X Y f b "$

#D 'Y]bYf'; YgY``gWW UZhž'X]Y`\ Ài Z]['j cb' #D X]j]Xi U`]ga i g'[YdfÀ[h']ghž
gd]Y`Yb 'gc`WW Y'9]bf]WW hi b[Yb'Y]bY 'YbhgWW Y]XYbXY'F c``Yž'i a
gcn]U`Y' #gc`Uh]cb'ni 'j Yf\]bXYfb'i bX'XYb'5i ghUi gWW 'nk]gWW Yb
; YbYfUh]cbYb'ni 'ZÒfXYfb"'Ni XYa '`Y]ghYb'g]Y'Y]bYb'k Yfhj c``Yb
6Y]hfU['ni 'Y]bYa ']bhY[fUh]j Yb'l a ZY`Xž'XUg'U``Yb
: Ua]`]Yba]h[`]YXYfb'ni [i hY_ca a h"

GhUh]gh]_Yb ni f Bi hni b['j cb 6Y[Y[bi b[gfÀi a Yb

@Ui h'Y]bYf'I a $ZfU[Y'XYg'8Yi hgWXYb'*][YbX]bgh]hi hg'[UVYb'a Y\fU`g'*$i 'XYf'VYZfU[hYb'9`hYfb'Ubž'XUgg'g]Y'6Y[Y[bib[gfÀi a Y'U`gk]WXh]['Ya dZ]bXYbž'i a 'gcn]U`Y'?cbhU_hY'ni '_bØdZYb''8]YgY 8 UhYb'j YfXYi h']WXYbž'k]Y'k]WXh]['gc`WXY'HfYZZdi b_hY']b'XYf \Yi h][Yb'NY]h'g]bXž']bgVYgcbXYfY']b'ghÀXh]gWXYb'; YV]YhYbž'k c \Ai Z]['X]Y'ZUa]`]ÀfYb'?cbhU_hY'fYXi n]Yfh'g]bX'''8]Y'GhUh]gh]_Yb VY`Y[Yb'Ui WX'Y]bYb'5bgh]Y['XYf'hÀ[`]WXYb'6Ygi WXY']b 9]bf]WX hi b[Yb'k]Y'XYa '9? <math>=$ 8 N'A]hY]bUbXYfFUi a ž'k Ug'Ui Z'Y]b k UWXgYbXYg'6YXØfZb]g'bUWX'gcn]U`Yf'=8 hYfU_h]cb'\]bk Y]gh''

8 UfØVYf`\]bUi gʻZØ\fYbʻGhi X]YbʻXUni žʻXUggʻ?]bXYfžʻX]Y
fY[Y`a À»]['Ubʻ[Ya Y]bgW\UZh`]W\Ybʻ5_h]j]hÀhYbʻhY]`bY\a Ybžʻ]b
gcn]U`Ybʻi bXʻYa ch]cbU`Ybʻ5gdY_hYbʻVYggYfʻUVgW\bY]XYbžʻk UgʻX]Y
B chk YbX][_Y]hʻgc`W\Yfʻ9]bf]W\hi b[YbʻbcW\a U`gʻi bhYfghfY]W\h'

8 Y hU]`q

6Ygi WXYb G]Y i bg Ui Z b!U["XY