

9bhXYW_YbG]YXYb:U]f@UiZ. @]YV`]b[g`ÀXYb]a 5_Un]Yb_]Yn gd]Y`Yf]gWX_YbbYb`YfbYb

9bhXYW_Yb^G]Y^VY]a :: U]f@Ui Z^]a 5 _Un]Yb_]Yn^ZU]fY^DfcXi _hY i bX^bYi Y^@]YV^]b[g^AXYb^5a 9 ' "GYdhYa VYf^&\$&(Yfk UfhYb^G]Y^gdUbbYbXY^9]bV^]W_Y^]b^bUW\U^h][Y I bhYfbY\a Ybz^JYf_cghi b[Yb^i bX^X]Y^A $O[^3]W_Y]hz^a$]h 9]bnY^\AbX^Yfb^i bX^XYa 6 Yn]f_gVØf[Yfa Y]ghYf^ni bYhnk Yf_Yb"A Y^XYb^G]Y^g]W\^Yhnh^Ub^i bX^g]W\Yfb^G]Y^g]W\ \Rightarrow fY^: U]fDUgg!, VYffUgW\i b[

 $= a < YfnYb 'j cb'6Yf']bz']a ``YVYbX][Yb'5_Un]Yb_]Ynz'Z]bXYh'Y]b \\ gdUbbYbXYg'9j Ybh'ghUhhz'XUg'gck c\``5bk c\bYf'U`g'Ui W\ 6Ygi W\Yf'Ubn]Y\h''8Yf': U]f@Ui Z']gh'Y]bY']bbcj Uh]j Y'A <math>O[`]W$ _Y]hz' X]Y'J]Y`ZU`h'i bX'X]Y'5b[YVchY'j cb'`c_U`Yb'9]bnY`\AbX`Yfb'ni YbhXYW_Ybz'X]Y'g]W\']a '6YfY]W\'XYg'ZU]fYb'<UbXY`g'Yb[U[]YfYb'' 6Y]'X]YgYf'JYfUbghU`hi b['dfAgYbh]YfYb']bg[YgUa h'g]YVYb hY]`bY\a YbXY'; YgW\AZhY']\fY'DfcXi _hYz'X]Y'j ca 'ZU]fYb'H!G\]fh'V]g ni f'_Ogh`]W\Yb': U]f'HfUXY'GW\c_c`UXY'fY]W\Yb''

8 Yf: U]f@Ui Z'gY`Vghi]gh'a Y\f'U`g'bi f'Y]b'Y]bZUW\Yf'GhfY]Zni ['Xi fW\ ; YgW\AZhY"'9f'f]W\hYh'g]W\'Ub'U``Yž'X]Y'a]h'Y]bYa 'gc[YbUbbhYb : U]fDUgg'Ui g[YghUhhYh'k YfXYbž'i a 'X]Y'hY]`bY\a YbXYb GhUh]cbg[YgW\AZhY'ni 'Yf_i bXYb"'6Y]''YXYa '6Ygi W\'Y]bYf'GhUh]cb Yf\U`hYb'X]Y'HY]`bY\a Yf'Y]bYb'Gh]W_Yf'ZØf']\fYb'DUggž'i bX'a]h j]Yf'[YgUa a Y`hYb'Gh]W_Yfb'`cW_h'Y]bY'_`Y]bY', VYffUgW\i b["8]YgYf'gd]Y`Yf]gW\Y'5bgUhn'gc```XUg'6Yk i gghgY]b'ZØf'ZU]fY DfcXi _hY'ZÒfXYfb'i bX'['Y]W\nY]h]['XYb'`c_U`Yb'9]bnY`\UbXY` ghAf_Yb"

 $9]bV^]W_]bX]YJYfUbghU^hib[$

5a '%' "'GYdhYa VYf'&\$&('k]fX'cZZ]n]Y```XYf'5i ZhU_h'XYg': U]f@Ui Zg [YZY]Yfh"'8]Y'HY]`bY\a Yf'\UVYb'X]Y'; Y`Y[Yb\Y]hž'b]Wkh'bi f'Xi fWk X]Y'; YgWkÀZhY'ni 'gWk`YbXYfbž'gcbXYfb'Ui Wk'X]Y'<]bhYf[f@bXY i bX'I bhYfbY\a Ybg_cbnYdhY'_YbbYbni `YfbYb"'5b'X]YgYa 'HU[k YfXYb'XfY]'XYf'9]bnY`\ÀbX`Yf' 'XUg'A cXY`UVY`'I JF'6Yf']bž'XYf'?]bXYf'UXYb' _``]I'' _`Y]bY'GUWkYb 'i bX'X]Y'7\cWc`UhYf]Y'9ghfY``Ug']\fY'\=XYYb'i bX'XUg'9b[U[Ya Ybh'ZØf'XYb'ZU]fYb'<UbXY`dfÀgYbh]YfYb"'@Ui fU'\A[Yf'j ca '5_h]cbgVØbXb]g': U]fYf'<UbXY`6Yf`]b'k]fX'ni XYa 'Y]bYb'_i fnYb', VYfV`]W_'ØVYf'X]Y'; fi bXgÀhnYXYg'ZU]fYb'<UbXY`g'[YVYb"

9]b`VYgcbXYfYg`<][\`][\h'V]`XYh`X]Y`JYf_cghi b[`ZU]fYf GW\c_c`UXYžX]Y`]a `5bgW\`i gg`Ub`X]Y`Df\AgYbhUh]cbYb`ghUhhZ]bXYh'' 8]Yg`V]YhYh`b]W\h'bi f`Y]bY`_Ogh`]W\Y`A O[`]W_Y]hž'a Y\f`ØVYf`X]Y DfcXi _hY`ni `YfZU\fYbž'gcbXYfb`Ui W\`Y]bY`; Y`Y[Yb\Y]h`ZØf ; Ygdf\AW\Y`i bX`JYfbYhni b[`nk]gW\Yb`I bhYfbY\a Yfbž \DhYfYgg]YfhYb`i bX`XYa `6Yn]f_gVØf[Yfa Y]ghYf"

8 i fWX 'XYb': U]f@Ui Z'Yf\U`hYb'bUWX\U`h]['k]fhgWX UZhYbXY
9]bnY`\ÀbX`Yf']a '5_Un]Yb_]Yn'X]Y'A Ò[`]WX_Y]hž']\fY'Df]bn]d]Yb'i bX
DfcXi _hY'Y]bYf'VfY]hYfYb'² ZZYbh`]WX_Y]h'j cfni ghY``Yb"'8 Ug'9j Ybh
n]Y`h'XUfUi Z'UVž'bYi Y'?i bXYb_fY]gY'ni 'YfgWX`]Y» Yb'i bX'XUg
6Yk i gghgY]b'ZØf'ZU]f'[Y\UbXY`hY'K UfYb'ni 'ZÒfXYfb"'; `Y]WXnY]h][
k]fX'X]Y'J cffY]hYffc``Y'j cb'HYa dY`\cZ!GWX ÒbYVYf['U`g': U]fhfUXY
Hck b'Xi fWX'gc`WX'`c_U`Y'\=b]h]Uh]j Yb'k Y]hYf'[YghÀf_h"

 $K \ Yf'a \ Y \ f' \emptyset V Y f' X] Y \ 'hY] `bY \ 'a \ Yb X Y b 'GhUh] c bY b 'Y f Z U \ 'fY b 'a \ OW \ hY \ Z Z] b X Y h' Y] b Y ', \ VY f g] W h' Ui \ Z' X Y f' K \ Y V g Y] hY 'X Y g' 5 _ h] c b g V Ø b X b] g g Y g : U] f Y f' < Ub X Y ``6 Y f`] b '' 8] Y '5 b a \ Y`Xi b ['ni f' J Y f U b g h U`hi b ['Y f Z c` [h Y] b Z U W ' Ø V Y f' Y] b 'C b`] b Y !: c fa i `U f''$

8]Y'6YXYi hi b['gc`W\Yf'J YfUbghU`hi b[Yb'[Y\h'ØVYf'XYb
5i ghUi gW\'j cb'\delta Zcfa Uh]cbYb'i bX'DfcXi _hYb'\]bUi g"'G]Y'hfU[Yb
XUni 'VY]ž'Y]bY'bUW\\U`h][Y'9]b_Ui Zg_i `hi f'ni 'ZÒfXYfb'i bX'XUg
9b[U[Ya Ybh'ZØf'ZU]fY'<UbXY`gdfU_h]_Yb'ni 'i bhYfghØhnYbž
k À\fYbX'g]Y'[`Y]W\nY]h]['X]Y'`c_U`Y'K]fhgW\UZh'VY`YVYb"'8Yf
: U]f@Ui Z']gh'Y]b'GW\f]hh']b'X]Y'f]W\h][Y'F]W\hi b[ž'i a '[Ygi bXYg
?cbgi a j Yf\U`hYb'i bX'gcn]U`Y'JYfUbhk cfhi b['a]hY]bUbXYf'ni

8 Y hU]`c

6Ygi WXYb G]Y i bg Ui Z a Y]b!VYf`]b bYh