

K]Yb'_Àa dZhia '?∃;][UZUWhcfm') A]``]UfXYb'ZØf'X]Y'Ni _i bZh°

K]Yb'VYk]fVh'g]W\'i a '5\ddots'][UZUWhcfm'\dots' Ygh]h]cbYb'j cb'V]g ni') 'A fX"'9i fc'gc``Yb'8][]hU`]g]Yfi b['i bX'?\ddots' cfgW\'i b[ZOfXYfb"



K]Ybž'² ghYffY]WX '! '8]Y '8]g_i gg]cb'i a 'X]Y 'Ni _i bZh'K]Ybg'U'g GhUbXcfh'ZØf'Y]bY'Yi fcdÀ]gWXY' $5 \pm i$;][UZUWhcfm 'b]a a h: U\fh'Ui Z' 5 a '&\$"' \Rightarrow b]'&\$&) 'VYhcbhY'6Øf[Yfa Y]ghYf'A]WXUY`'@ Xk][ž'XUgg X]Y'7\UbWb'ZØf'K]Ybž'Y]bY'XYf'j]Y'j YfgdfYWXYbXYb 5 bg]YX`i b[Yb'j cb'? $\pm i$: UVf]_Yb'ni 'Yf\U`hYbž'gY\f'[i h'ghY\Yb''@Ui h Y]bYa '6Yf]WXh'j cb'a Y]bVYn]f_"Uh'd`Ubh'X]Y'9I 'XYb'6Ui 'j cb'V]g ni 'ZØbZ'gc`WXYf';][UZUWhcf]Yg']b'j YfgWX]YXYbYb'Yi fcdÀ]gWXYb GhÀXhYb'''8]YgY'\cWXa cXYfbYb'5b`U[Yb'gc``Yb'XYf'9bhk]W_`i b[ž XYa 'HfU]b]b['i bX'XYa '6Yhf]YV'j cb'? $\pm A$ cXY``Yb'X]YbYb'i bX'g]bX nYbhfU`'ZØf'X]Y'K YhhVYk YfVgZÀ\][_Y]h'9i fcdUg']a 'X][]hU`Yb NY]hU`hYf"

6Øf[Yfa Y]ghYf'@ Xk]['Yf\]Y`h'I bhYfghØhni b['j cb'6i bXYg_Ubn`Yf

7\f]gh]Ub 'Ghc W_Yf 'gck]Y 'k Y]hYfYb 'Dc`]h]_Yfbž'i bX '[Ya Y]bgUa i bhYfnY]W\\\bYhYb 'g]Y 'X]Y '6Yk YfVi b['K]Ybg 'ZØf'X]Y '5±;][UZUWhcfm" 8]Y '9I '\Uh'X]YgYb 'GW\\\f]hh'U`g'HY]`']\fYf'GhfUhY[]Y 'ni f'Gh\\[Af_i b['XYf X][]hU`Yb 'Gci j Yf\\[Ab]h\[Ah'i bX 'K YhhVYk YfVgZ\[A\][_Y]h']b]h]]Yfh"

9bYf[]YYZZ]n]Ybn]a : c_i g

9]b'k]W\h][Yf'5gdY_h'XYf'6YkYfVib[']gh'XUg'[Yd`UbhY 9bYf[]Y_cbnYdh'K]Ybg"'8]Y';][UZUWhcf]Yg'YfZcfXYfb'Y]bY VYhfÀW\h`]W\Y'AYb[Y'Ub'9bYf[]Yž'ibX'K]Yb'd`Ubhž'bU\Yni'%\$\$i X]YgYf'9bYf[]Y'Uig'U`hYfbUh]jYb'EiY``Yb'ni'VYn]Y\Yb"'9]b]bbcjUh]jYf'HY]``XYg'?cbnYdhYg'g]Y\h'jcfž'X]Y'5VkÀfaY'XYf GYfjYf']b'XUg'VYghY\YbXY':YfbkÀfaYbYhn'Y]bnigdY]gYbž'kUg Y]bY'XcV`Y'Bihnib[gZcfa'XUfghY``h''X]Y'GYfjYfkÀfaY'\]`Zh'b]W\h bif'VY]'XYf'?Ø\`ib['XYf'5b`U[Ybž'gcbXYfb'\Y]nh'UiW\'<Uig\U`hY]b'XYf'GhUXh"

K]f'\UVYb'Y]b'[i hYg'< ÀbXW\Yb'XUZØfž'X]Y'5Vk Àfa Y'g]bbj c```ni bi hnYb ž'gc'@i Xk]["'=a 'FU\a Yb'XYg'Dfc[fUa a Yg'Yb[U[]YfYb g]W\'Ui W\'ZØ\fYbXY'HYW\bc`c[]Yi bhYfbY\a Yb'Ui g'² ghYffY]W\ž'i a K]Yb'U`g'GhUbXcfh'ZØf'Y]bY'X]YgYf';][UZUWhcf]Yg'ni 'dcg]h]cb]YfYb" K]Y'k]Yb"[j "Uh'VYf]W\hYhž'gY]'X]Y'6Yk YfVi b[']b'XfY]'GÀi `Yb [Y[`]YXYfh 'Y]bYa 'i a k Y`h!'i bX'_`]a U[YfYW\hYb BUW\\U`h][_Y]hg_cbnYdhž'gcn]U`'[YfYW\hYf'HYW\bc`c[]Ybi hni b[gck]Y'K]Ybg'nYbhfU`Yf'8fY\gW\Y]VYbZ b_h]cb']b'9i fcdU"

=bj Ygh]h]cbYb i bX k]fhgWX UZh`]WX Y 5i gk]f_i b[Yb

 $8]Y `Yfk UfhYhYb `= j Ygh]h]cbYb `]b `X]Y `;][UZUWhcfm`VY`Ui ZYb `g]W `Ui Z V]g`ni `ZØbZ`A]``]UfXYb `9i fc ž`k cVY] `*) ı `X]YgYf`Gi a a Y`Ui g`XYf Df]j Uhk]fhgW UZh`i b X`V]g`ni `') ı `Ui g`ÒZZYbh`]W Yb`A]hhY`b `_ca a Yb gc``Yb"`8]Y `[YbUi Yb `? cghYb`k YfXYb`bUW `XYf`J Yf[UVY`XYg Ni gW `U[g`VY_Ubbh[Y[YVYb" `9g`]gh`k]W h][ž`\]Yf`Y]b `ghUf_Yg ? cbgcfh]i a `Ui g`ÒZZYbh`]W Yb`i b X`df]j UhYb`DUfhbYfb`ni `V]`XYb ž Yf_`ÀfhY`=bbcj Uh]cbga]b]ghYf`DYhYf`<Ub_Y"$

8]YgY;][UZUWhcf]Ygʻg]bXʻb]WXhʻbi fʻZØfʻK]Ybʻj cbʻ6YXYi hi b[ʻžʻg]Y [Y`hYbʻUʻgʻXmbUa]gWXYʻ²_cgmghYa YʻZØfʻ\bbcj Uh]cbʻi bX?ccdYfUh]cbʻ]a `?\\deltaYfY]WX''8]YgYʻ9]bf]WXhi b[Ybʻ_ca V]b]YfYb FYWXYb`Y]ghi b[ʻž8UhYbʻi bXʻHU`YbhYži a ʻVYXYi hYbXYʻ: cfhgWXf]hhY]bʻX]j YfgYbʻGY_hcfYbʻk]Yʻ; Ygi bX\Y]hžʻ: Yfh][i b[ʻž'?`]a Uʻi bX:]bUbnYbʻj cfUbni hfY]VYb''8]Yʻ9I ʻd`UbhžʻV]gʻ&\$&) ʻa]bXYghYbgʻ%)?\\delta: UVf]_Ybʻ]bʻ6Yhf]YVʻni ʻbY\a Ybžʻk cVY]ʻK]YbʻUʻ`YʻA Ò[`]WX_Y]hYbUi ggWX ÒdZYbʻa ÒWXhYži a ʻY]bʻHY]``X]YgYgʻni _i bZhgk Y]gYbXYbJcf\UVYbgʻni `k YfXYb''

8 YhU]`g	
Cfh	K]Ybž ⁻² ghYffY]W
EiY``Yb	• k k k "a Y]bVYn]f_"Uh
	• k k k "k]Yb"[j "Uh
	X][]hU`!ghfUhY[m"YWYi fcdU"Yi

6 Ygi W Yb 'G]Y 'i bg 'Ui Z 'a Y]b!k]Yb "b Yh