

7\Uf`chhY`K ØfX]['gi W\h'@]YVY. 'BUW\ 'G]Xc 'Yhnh'a]h'7U`j]b '? `Y]bYb '

7\Uf`chhY`K ØfX][ž'bUW\`]\fYf`HfYbbi b[`j cb`G]Xcž'gdf]W\h ØVYf`Cb`]bY!8Uh]b[ž'bYi Y`6Y_UbbhgW\UZhYb`i bX`dYfgÒb`]W\Y 9fZU\fi b[Yb"

A $\emptyset b W W Y b \check{z} * 8 Y i hg W `Ub X '! '7 \ Uf `c hh Y 'K <math>\emptyset f X][$ 'Ui Z' X Y f' G i W Y 'b U W X Y f'@] Y V Y

 $\label{thm:chhY'K QfX][Z'X]Y'(*!^A\f][Y'Y\Ya U`][Y': fUi 'XYg'F UddYfg G]XcZ']gh'bUWX']\fYf'HfYbbi b['&$&$'XYfnY]h'Ui Z'DUfhbYfgi WXY"'$fY GWXY]Xi b['k i fXY'&$&&'j c``nc[YbZ'i bX'gY]hXYa ']gh'g]YZ'hfchn a Y\fYfYf'8 UhYgZ'8 Ui Yf!G]b['Y"'$]\fYf'DcXWUgh!GYf]Y' H\Y'FYU` 9I!K]j Yg 'gdf]WXh'g]Y'cZZYb'\@VYf']\fY'9fZU\fi b[Yb']a 'Cb`]bY! 8 Uh]b[Z'X]Y'j cb'j]Y`Yb'<cWXg'i bX'H]YZg'[YdfA[h'g]bX''K]Y'; U`U VYf]WXhYhZ']gh'K \@fX]['b]WXh'VY[Y]ghYfh'j cb'XYb'GWXk]Yf][_Y]hYbZ X]Y'g]Y'a]h'a \Abb`]WXYb'DUfhbYfb'\UhhYZ'i bX'Yfk \A\bhZ'XUgg'g]Y a Y\fZUWX'j cb'A \AbbYfb'g]hnYb'[Y`UggYb'k i fXY''$

a a Yf'k]YXYf'[]Vh'Yg'G]hi Uh]cbYbž']b'XYbYb'g]Y'_i fnZf]gh]['j cb]\fYb'8 UhY!DUfhbYfb'UVgYfj]Yfh'k i fXYž'k Ug'ni ']\fYf': fi ghfUh]cbVY]hfÀ[h'' Nk Y]'A ÀbbYf'\UVYb'a]W\'g]hnYb'[Y`UggYb ž'gU[h'g]YžibX'ZØ\fh'U`g'6Y]gd]Y`'Y]bYb'A Ubb'Ubž'XYf'gY]bY'5VgU[Y_i fnZf]gh]['a]h[YhY]`h'\Uh''8 YbbcW\'[]Vh'Yg'Ui W\'dcg]h]j Y9f`YVb]ggY'''9]bYf'X]YgYf'A ÀbbYf'\ÀhhY'[i h'ni ']\f'i bX']\fYbGÒ\bYb'[YdUgghž'YXcW\'_Ua 'Yg'`Yhnh`]W\'Ui g'i b_`UfYb'; fØbXYbb]W\h'ni 'Y]bYf'6Yn]Y\i b["

9]b 6`]W_ Ui Z X Ug 8 Uh]b[!@Y V Y b

8 Y hU]`g	
J c f ZU``	Gcbgh][Yg
Cfh	A ØbWXYbž8Yi hgWX`UbX
EiY``Yb	• k k k "[U`U"XY
	• k k k "V]`X"XY
	XY"ghUh]ghU"Wca

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