

9\fYbUa hgZÒfXYfi b[.'>Yhnh'V]g'' %"'>i `]'V]g ni '-+"\$\$\$'9i fc'VYUbhfU[Yb°

; ch\U'ZÒfXYfh'9\fYbUa h'a]h'-+"\$\$\$'9i fc'V]g'' %"' \Rightarrow `]'&\$&) " 5bhfÀ[Y'ZØf'I bhYfghØhni b['X][]hU`'Y]bfY]W\Yb'i bX'JcfhY]`Y g]W\Yfb"



; $ch\ U\check{z}^*8\ Yi\ hgWX\ `Ub\ X`! & Y]bYa `[fc > Ufh][Yb `GWX f]hh`ni f$: $OfXYfi b[`XYg`9 \ fYbUa\ hg`]b`H \ Øf]b[Yb `ghY \ Yb `XYa `@Ub\ X_fY]g$; $ch\ U`fi\ bX`-+"$$$`9i fc `ni f`J\ YfZØ[i b[ži a `XUg`9b[U[Ya\ Ybh`XYf 6Øf[Yf.]bbYb`ni `i bhYfghØhnYb"`K]Y`CgWUf`Ua `: fY]hU[`VYf]WX hYhž]gh`X]Yg`Y]b`5bgh]Y[`j cb`gUhhYb`(("$$$`9i fc`]a `J\ Yf[`Y]WX`ni a J cf`U\f"`Gc`WXY`A]hhY``hfU[Yb`XUni `VY]ž`X]Y`J]Y`ZU`h`XYg 9\fYbUa\hYg`ni `ghAf_Yb`i bX`k\ Yfhj c``Y`\$]h]Uh]j\ Yb`ni `ZOfXYfbž`X]Y i bgYf; Ya\ Y]bgWX\ UZhg`YVYb`VYfY]WX\ Yfb"$

8]Y'VYfY]h[YghY``hYb': ÒfXYf[Y`XYf'k YfXYb'i bhYf'UbXYfYa 'ZØf'X]Y Cf[Ub]gUh]cb'j cb'fY[]cbU`Yb'9\fYbUa hg[U`Ugž'X]Y 9\fYbUa hgWUfX'i bX'j YfgW\]YXYbY'9\fi b[Yb'Xi fW\'@UbXfUh'Cbbc 9_Yfh'j Yfk YbXYh''8]YgY': ÒfXYfa]hhY`'Z]Y»Yb'j cf'U``Ya 'Ub JYfY]bY'i bX'8UWkj YfVÀbXY']a '@UbX_fY]gž'X]Y'XUg'gcn]U`Y'; YZØ[Yjcf'Cfh'ghÀf_Yb'i bX'VYfY]WkYfb"'9b[U[]YfhY'6Øf[Yf.]bbYb'\UVYbni XYa 'X]Y'A Ò[`]Wk_Y]hž'ZØf'X]Y'9\fYbUa hgWUfX'j cf[YgWk`U[Yb'ni kYfXYbž'X]Y'j]Y`Y'JcfhY]`Y']b'dUfh]W]dUh]b['9]bf]Wkhi b[Yb'k]YGWkk]a a VÀXYfbž'6]V`]ch\Y_Ybž'A i gYYb'i bX'Nccg'V]YhYh"

J]Y`ZÀ`h][Y': ÒfXYfa Ò[`]WX_Y]hYb'V]g'9bXY ; i`]

6]gʻni a '' %"'\$\`]'_ObbYb'5bhfÀ[Y'Ui Z'9\fYbUa hgZÒfXYfi b[Y]b[YfY]W\h'k YfXYb"'8]YgY'_ObbYb'Y]bY'J]Y`nU\`'j cb'Nk YW_YbUVXYW_Ybž'XUfi bhYf.

- :]bUbn]Yfi b['j cb'5i g!ž': cfh! 'i bX'K Y]hYfV]`Xi b[Yb']a 9\fYbUa h
- 9bhk] W_i b[i bX'6YhfYi i b[j cb'JYfbYhni b[g! cXYf A cXY'`dfc Y_h Yb
- < cbcf]Yfi b['Y\fYbUa h`]WX 'hÀh][Yf'DYfgcbYb
- Cf[Ub]gUh]cb'j cb'J YfUbghU'hi b[Ybž'k]Y'Yhk U'`c_U'Y
 9\fYbUa hg[U`Ug
- 2 ZZYbh`]W_Y]hgUfVY]h'i bX`A U» bU\a Yb`ni f`; Yk]bbi b[bYi Yf`9\fYbUa h`]W\Yf

9]bY'5fVY]hg[fiddYž'VYghY\YbX'Uig'XYa'@UbXfUhž'XYa'nkY]hYb6Y][YcfXbYhYb'5Xf]Ub'KYVYfž'A]hUfVY]hYfb'XYf'JYfkU`hib['ibXJYfhYhYfb'jcb'8UW,jYfVÀbXYbž'YbhgW\Y]XYh'ØVYf'X]Y'JYf[UVYXYf'A]hhY`"'9]b'NY]W\Yb'XUZØfž'k]Y'k]W\h]['Y\fYbUah`]W\Yg9b[U[YaYbh']b'ibqYfYf';YgY``qW\UZh`]gh°

BYiYg'H\Øf]b[Yf'9\fYbUa hg[YgYhn'U`g; fi bX`U[Y

GhÀf_i b['XYg'VØf[YfgW\UZh`]W\Yb'9b[U[Ya Ybhg'i bX 9\fYbUa hg ž'k Y`W\Yg''À\f`]W\'a]bXYghYbg'%) 'A]``]cbYb'9i fc VYfY]hghY``h"

8 i fWX 'X]Y 'H\Øf]b[Yf'9\fYbUa hggh]Zhi b[ž'X]Y 'Y]bY 'GWX `ØggY`fc``Y ']b XYf'I a gYhni b['X]YgYg'Dfc[fUa a g'gd]Y 'hž'k YfXYb'ni XYa]bgh]hi h]cbY``Y': ÒfXYfa]hhY``]b' < Ò\Y'j cb'a]bXYghYbg'' ž) 'A]``]cbYb 9i fc'dfc' \$J\f'VYfY]h[YghY``h'' 8]Y 'Gh]Zhi b['UfVY]hYhYb['a]h ni ghÀbX][Yb'6Y\ÒfXYb'ni gUa a Ybž'i a 'X]Y 'VYghYb : ÒfXYfa Ò[`]WX_Y]hYb'ni 'Ybhk]W_Y`b'' 8]Y '\$Zcfa Uh]cbYb'ni 'XYb 5bhfÀ[Yb'g]bX'X][]hU``ØVYf'X]Y 'D`UhhZcfa 'XYf'Gh]Zhi b['ni [Àb[`]WX ž k Ug'Y]bY'a cXYfbY'i bX'nY]hgdUfYbXY'5bhfU[ghY``i b['Yfa Ò[`]WXh'' 8]Yg'[Y\h'Y]b\Yf'a]h'XYa 'K i bgWX ž'X]Y'X][]hU`Y'DfÀgYbn']a 9\fYbUa h'ni 'ghY][Yfb''

 $: \emptyset f'XUg' \!\!\!\! \ \, \exists \ \, \exists$

 $: \emptyset f`U``Y\check{z}`X]Y`]bhYfYgg]Yfh`g]bX\check{z}`X]Y`Y\backslash fYbUa~h`]WXY`5fVY]h`]b`]\backslash fYaUa~ZY`X`ni~ghAf_Yb\check{z}`]gh`Yhnh`XYf`f]WXh][~Y`NY]hdi~b_hž`i~a~U_h]j~`ni~k~YfXYb"$

8 Y hU]`g	
Cfh	; ch\Už'8YihgW\`UbX
EiY``Yb	• k k k "cgWUf!Ua !ZfY]hU["XY
	• h\i Yf]b[Yb"XY
	• V]a Z"h\i Yf]b[Yb"XY

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