

9]b: Ygh:XYf:? `Àb[Y. '=bhYfbUh]cbU`Y Aig]_ 'ØVYfnYi[h:]b:FY]b]W_YbXcfZ°

 $9f`YVYb`G]Y`Ua``%*"$*"&$&)`]b`6Yf`]b`Y]b`_cghYb`cgYg Aig]_ZYgh]jU``a]h`]bhYfbUh]cbU`Yb`? Øbgh`Yfbž`_Ògh`]W\Yb GdY]gYb`ibX`j]Y`ZÀ`h][Yb`?`Àb[Yb"$



 $6Yf`]b\check{z}`8Yi hgWX`UbX`!`5a `%*"`$b]`&$&) `Z]bXYh`]b`6Yf`]b`Y]b a i g]_U`]gWXYg`9j Ybh`XYf`VYgcbXYfYb`5fh`ghUhh"`5V`%(.'$`I \f YfÒZZbYh`X]Y`; fi ddY`5`DUbXU`Xc`Gc``XUg`Dfc[fUa a `a]h`Y]bYf a]hfY]» YbXYb`A]gWX i b[`Ui g`VfUg]`]Ub]gWXYf`GUa VUž ZfUbnÒg]gWXYb`?`\Ab[Ybž`BYk`Cf`YUbg`6fUgg`i bX UZfcVfUg]`]Ub]gWXYf`DYfW' gg]cb"`8Ug`9j Ybh`V]YhYh`Y]bY`D`UhhZcfa ZØf`]bhYfbUh]cbU`Y`A i g]_Yf]bbYb`i bX`A i g]_Yfž`X]Y`XUg`Di V`]_i a a]h`]\fYb`?`\Ab[Yb`VY[Y]ghYfb"$

I a '%).' \$'I \f'hf]hh'X]Y' 5fYg'; fUhU`'6UbX 'Ui Zž'X]Y'Y][YbY'@]YXYf dfÀgYbh]Yfhž'X]Y'9`Ya YbhY'XYf'_UhU`Ub]gW\Yb': c`_!: i g]cb'gck]Y `UhY]bUa Yf]_Ub]gW\Y'F\mh\a Ybž'7cd`U'i bX'*Jnn'a]hY]bUbXYf j YfY]bYb"'8Yf'a i g]_U`]gW\Y'5VgW\`i gg'YfZc`[h'a]h'XYf'hU`Ybh]YfhYb

GÀb[Yf]b·7ÅW]`Y`FcgY`i bX`XYa `Hf]c`GW\c ž`X]Y`7\Ubgcbg`Ui g XYa `DUf]g`XYf`%-' \$Yf`\$J\fY`V]g`]b`X]Y`BUW_f]Y[gnY]h`XUfVf]b[Ybž]bgd]f]Yfh'j cb`@Y[YbXYb`k]Y`9X]h\`D]UZ'i bX`GYf[Y`; U]bgVci f["

J]Y`ZU`h'XYf'a i g]_U`]gWXYb'8UfV]Yhi b[Yb

8 Yf'5 VYb X'k]fX'j cb'GW\Ui gd]Y`Yf'A Uh\]Yi 'DY``Yh]Yf'a cXYf]Yfhž XYf'a]h'gY]bYa '7\Ufa Y'Xi fW\'XUg'6Ø\bYbdfc[fUa a 'ZØ\fh": Øf XUg'`Y]V`]W\Y'K c\``XYf'; ÀghY'gcf[Yb'_i`]bUf]gW\Y'5b[YVchY'k]Y 7 fÆdYgž'?i W\Ybž'? UZZYYž'GcZhXf]b_g'i bX'\Yfn\UZhY'GdY]gYb"'8 Yf 9]bhf]hh'ni 'X]YgYa '_i`hi fY``Yb'9fY][b]g']gh'_cghYbZfY]'i bX'Y]bY j cf\Yf][Y'5ba Y`Xi b[']gh'b]W\h'YfZcfXYf`]W\"

 $8]Y _i `hi fY``Y `J]Y `ZU`h'i bX `X]Y `A i g]_gd]Y `Y `gd]Y [Y`b `X]Y `8 mbUa]_k]XY fž `X]Y `Ui W\ `]b `6 fUg]`]Yb `ni `Z]b XYb `]gh" `6 fUg]`]Yb `]gh'VY_Ubbh`ZØf gY]bY `Y]bn][Ufh][Y `A i g]_gnYbYž `ni `XYf'; YbfYg `k]Y `GUa VUž `6cggU Bcj Už : cffl ž: i b_ `i bX `Y`Y_hfcb]gW\ Y `A i g]_ `nÀ\ `Yb "`\J\ f `ZØf `\J\ f n]Y\ Yb `nU\ `fY]W\ Y `A i g]_ZYgh]j U`g `bUh]cbU`Y `i bX `]bhYfbUh]cbU`Y ? Øbgh`Yf `i bX `: Ubg `Ubž `X]Y `X]Y `@Y VYbgZfYi XY `XYg `@UbXYg `Yf`YVYb a ÒW\ hYb "`9]b `[fc > Yf `HY]` `X]YgYf : Ygh]j U`g `fYZY_h]Yfh`X]Y `J]Y `ZU`h XYf `VfUg]`]Ub]gW\ Yb `? i `hi f`gck]Y `X]Y `hfUX]h]cbY``Y `i bX nY]h[Yb Ògg]gW\ Y `A i g]_gnYbY"$

9]bV`]W_Y`]b`VfUg]`]Ub]gW\Y`: Ygh]j U`g

Ni `XYb`VYghYb`A i g]_ZYgh]j U`g`]b`6fUg]`]Yb`[Y\ÔfYb`i bhYf UbXYfYa `XUg``Y[YbXÀfY`F]c`7Ufb]j U`žXUgʻa]h`gY]bYb UhYa VYfUi VYbXYb`GUa VU!DUfUXYb`6Ygi W\Yf`Ui g`XYf`[UbnYb K Y`h`Ubn]Y\h"`9]b`k Y]hYfYg`<][\`][\h`]gh`XUg`@c``UdU`ccnU`6fUg]``]b G¿c`DUi `cžXUg`]bhYfbUh]cbU`Y`FcW_!`i bX`DcdghUfg`dfÀgYbh]Yfh"`=a \Rightarrow b]`Z]bXYh`ni XYa `XUg`J]``UA]I `: Ygh]j U``]b`; c]¾b]U`ghUhhž`XUg`U`g XUg`[fÒ» hY`GYfhUbY^c!A i g]_ZYgh]j U``[]`h`i bX`[fc» Y`GhUfg`Ubn]Y\h"

 $8 \ Uf \emptyset VYf' \setminus]b \ Ui \ g'[\]Vh'Yg'nU \setminus `fY]W \setminus Y': \ Ygh]j \ U`g\check{z}'X]Y'X]Y'J \]Y`Z\grave{A}`h][\ _Y]h \ XYf'VfUg]`]Ub]g W \setminus Yb `A \ i \ g]_'i \ b X'? i `hi f'ni `ZY]Yfb \check{z}'k]Y'Yhk U'XUg \ hf UX]h]c b Y``Y': \ YghU'$\not\Rightarrow$ b]b Už'XUg'X]Y'9fb hYnY]h'ZY]Yfhž'c XYf'XUg : Ygh]j U`'XY'$\display j Yfb c']b'7 Ua \ d c g'Xc'$\&fX_{\chi}c\z'XUg'Ui \ Z'_`Ugg]g W \ Y \ A \ i \ g]_'g d Yn]U`]g]Yfh']gh'' 8]YgY': \ YghY'g]b X'b]W h'b i f'Y]b Y$

5i [YbkY]XY'ZØf'Aig]_`]YV\UVYfž'gcbXYfb'Ui W\'Y]bY'; Y`Y[Yb\Y]hž X]Y'fY]W\\U`h][Y'; Ughfcbca]Y'6fUg]`]Ybg'ni '[Yb]Yyb"'

8 Ugʻ9j Ybhʻ]bʻ6Yf`]bž'XUgʻ\Yi hYʻghUhhZ]bXYhžʻ]ghʻY]bY
\Yfj cffU[YbXYʻA Ò[`]WX_Y]hž'X]YʻVfUg]`]Ub]gWXYʻ?i`hi fʻni k ØfX][Yb
i bXʻXYbʻ; Y]ghʻX]YgYfʻ`YV\UZhYbʻBUh]cbʻni ʻgdØfYbžʻc\bYʻXUgʻ@UbX
ni ʻj Yf`UggYb"ʻA Y\fʻ\DZcfa Uh]cbYbʻni ʻXYa ʻ9j Ybhʻg]bXʻUi ZʻXYf
K YVg]hYʻXYgʻA i gYi a gʻ]bʻFY]b]W_YbXcfZʻj YfZØ[VUf.ʻ
k k k "a i gYi a !fY]b]W_YbXcfZ"XY"

 $: \emptyset f'k Y]hYfY'9]bV`]W_Y']b'X]Y'ZUgn]b]YfYbXY'K Y`h'XYf\\ VfUg]`]Ub]gWkYb'Aig]_ZYgh]j U`gž'_ÒbbYb'\DhYfYgg]YfhY'X]Y'5fh]_Y`Ui Z'Uj Ybhi fUXcVfUg]`"XY'i bX'VfUg]`cc"XY'VYgi WkYb"$

8 Y hU]`g	
Cfh	6Yf`]bž'8Yi hgW\`UbX
EiY``Yb	• k k k "VYf`]b"XY
	k k k "Uj Ybhi fUXcVfUg]`"XY
	k k k "VfUg]`cc"XY

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