

; Ya Y]bgUa '[Y[Yb'<Ugg. A ØbWXYbg'_`UfY 5bhk cfh'Ui Z'X]Y 'DUg]b[Yf'5hhUW_Y

 $\hbox{$C6.8]YhYf'FY]hYf'a$ $U\bh'bUWX'A$ YggYfUhhUW_Y']b'DUg]b[.$ FUgg]ga i g'\Uh'_Y]bYb'D`Uhn']b'A$ $\emptyset bWXYb'''Gc`]XUf]hAh'a]h'XYb $CdZYfb''$$

Gc`]XUf]hÀh'i bX'6Ygcf[b]g'bUW A YggYfUhhUW_Y']b'A ØbWXYb

 $8]Y ``YhnhY `A YggYfUhhUW_Y `]b `DUg]b[\check{z}'VY] `XYf'Y]b `($! ^A \f)[Yf JYfXAWAh][Yf `nk Y] ^1 b[Y `A AbbYf'Ub[fY]Zhz'k]fZh'b]WAh'bi f': fU[Yb ni f'G]WAYf\Y]h']b `A ØbWAYb `Ui Zz'gcbXYfb `Ui WA'ni f [YgY``gWAUZh`]WAYb `Gh]a a i b["'8]Y '9fY][b]ggY `\UVYb `YfbYi h'Y]bY 8]g_i gg]cb `ØVYf'F Ugg]ga i g'i bX'; Yk U`h']a `ÒZZYbh`]WAYb `FUi a YbhZUWAhz'X]Y `]b `XYf'GhUXh'b]WAh'][bcf]Yfh'k YfXYb `_Ubb"$

K Yf g]b X X]Y 6Yhfc ZZYb Yb 3

$8 \ Y F Y U_h c b X Y f GhUX h$

 $A \varnothing b W Y b g `C V Y f V \varnothing f [Y f a Y] g h Y f `E Y] h Y f `` V b `[Y A i " Y f h 'i b X `U d d Y ``] Y f h Y `U b `X] Y `; Y a Y] b g W U Z h z `g] W$

[Y[Yb F Ugg]ga i g'i b X A i g`]a ZY]b X`]WX_Y]h'ni 'dcg]h]cb]YfYb"'9f ghY``hY'_`Ufž'XUgg'X]YgY' \Rightarrow Yc`c[]Yb']b'XYf'GhUXh'_Y]bYb'D`Uhn \UVYb'XØfZYb"' \Rightarrow 'A Øb WX Yb'k]ggYb'k]fž'k c\]b a YbgWXYbj YfUWXhYbXY'i b X'fUgg]gh]gWXY'DUfc`Yb'ZØ\fYb'_ÒbbYb ž gc'FY]hYfž'XYf'Ui Z'X]Y'hfUi f][Yb'DUfU``Y`Yb'ni a 'C'9N!5hhYbhUh \]b[Yk]YgYb'\Uh"

9]b VYgcf[b]gYffY[YbXYf HfYbX

8]Y'A YggYfUhhUW_Y']gh'HY]`'Y]bYg'VYgcf[b]gYffY[YbXYb'HfYbXg']b
A ØbWXYbž'VY]'XYa 'fYWXhY'; Yk U`h'ni b]a a h"'6Yf]WXhYb'ni Zc`[Y
[UV'Yg']a 'j Yf[Ub[YbYb'&U\f'VYfY]hg'**': À``Y'j cb'; Yk U`hXY`]_hYbž
X]Y'XYa 'dc`]h]gWX'a ch]j]YfhYb'GdY_hfi a 'ni [YcfXbYh'k YfXYb
_ObbYb"'8]Y'; Yk U`hhUhYbž'X]Y'Ui g']XYc`c[]gWXYb'A ch]j Yb
fYgi `h]YfYbž'g]bX'gck c\``ZØf'X]Y'VYhfcZZYbYb'DYfgcbYb'U`g'Ui WX
ZØf'X]Y'[YgUa hY'; YgY``gWXUZh'U`Ufa]YfYbX"

8]Y; Ya Y]bgW\UZh'nY][h'g]W\ gc`]XUf]gW\

8 Yf'A ØbWkbYf'A i g`]a fUh'\Uh'g]Wk'YVYbZU``g'ni a 'J cfZU``'[YÀi » Yfh i bX'VYhcbhž'XUgg'X]Y'; Yk U`h'[Y[Yb'A]h[`]YXYf'XYf'a i g`]a]gWkYb; Ya Y]bgWkUZh'b]Wkh'hc`Yf]Yfh'k YfXYb'XUfZ'' = XYb'gcn]U`Yb'A YX]Ybk i fXY'Gc`]XUf]hÀh'a]h'XYb'CdZYfb'[Ygi Wkh'i bX'X]Y'5b_`U[Y'[Y[Yb XYb'HÀhYf'gWkUfZ'j Yfi fhY]`h"

GWX`i ggZc`[Yfi b[. 9]b 5i Zfi Z'ni a < UbXY`b

8]Y'A YggYfUhhUW_Y']b'DUg]b[']gh'b]W\h'bi f'Y]b'9]bnY`ZU``ž'gcbXYfb
Y]b'<]bk Y]g'Ui Z'Y]bY'VYgcf[b]gYffY[YbXY'9bhk]W_`i b[']b'XYf
GhUXh"'8]Y'g]W\j YfZYgh][YbXYb'Ghfi _hi fYb'j cb'F Ugg]ga i g'i bX

\$\delta\hc`YfUbn'a \@ggYb'j cb'XYf'; YgY``gW\UZh'[Ya Y]bgUa 'Ub[Y[Ub[Yb k YfXYb"'9]b'gc`W\Yf'J cfZU```_Ubb'b]W\h'Xi fW\'GW\k Y][Yb'i bX

\$\delta\cf]YfYb'[Y`Ogh'k YfXYb/Yg'VfUi W\h'_`UfY'Dcg]h]cb]Yfi b[Yb'i bX I bhYfgh\@hni b['Z\@f'X]Y'6YhfcZZYbYbz'i a 'Y]b'g]W\YfYg'I a ZY`X'Z\@f
U``Y'6\@f[Yf'ni'[Yk\A\f`Y]ghYb"

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'b!U["XY