

I b ZU```]a ': fY]nY]hd Uf_'? `c hhY b. GhUUhgUb k U`hgW\UZh'Yfa]hhY`h'b]W\h k Y]hYf

 $BUWX`XYa ``hOX`]WXYb`5WXhYfVU\bibZU```]b`?`chhYb`\Uh'X]Y\\ GhUUhgUbk U`hgWXUZh'X]Y`9fa]hh`ib[Yb`Y]b[YghY``h"`8Yf`IbZU``kifXY`U`g`hfU[]gWXž'UVYf`c\bY`GWXi`X`ZYgh[YghY``h"$

8]Y 'Hfu[OX]Y ']a : fY]nY]hduf_'? `chhYb`\uh'X]Y '8]g_i gg]cb'i a
G]WXYf\Y]hgghUbXUfXg'VY]'5WX hYfVU\bYb'bYi 'YbhZUWXh"'J cf'nk Y]

J\fYb'_Ua 'Yg'ni 'Y]bYa '\YfnnYffY] YbXYb'I bZU``ž'U`g'Y]bY
) +! 'A\f][Y': fUi 'Ui g'Gh"'K YbXY`'k A\fYbX'Y]bYf': U\fh'Ui g']\fYf
; cbXY`'ghØfnhY'i bX'hOX`]WX'j Yfi b[`ØW_hY"'8]Y'XUfUi Z\]b
Y]b[Y`Y]hYhYb'9fa]hh`i b[Yb'g]bX''Yhnh'j cb'XYf'GhUUhgUbk U`hgWXUZh
Y]b[YghY``h'k cfXYbž'XU'a Ub'j cb'Y]bYa 'i bj cf\YfgY\VUfYb'I bZU``
Ui g[Y\hž'ZØf'XYb'b]Ya UbX'\UZhVUf'[Ya UWXh'k YfXYb'_Ubb"

9fa]hh`i b[Yb'Yf[YVYb'hfU[]gWXYg'l b[`ØW_

 $8]Y `GhUUhgUbk U`hgWk UZh` \ Uhrb UWk `Y]b[Y\YbXYf`DfØZi b[`XYg J cfZU``g'ni `XYa `GWk`i gg'[Y`Ub[hž`XUgg`Yg'g]Wk'i a `Y]bYb gWk]W_gU`\UZhYb`I bZU```\UbXY`h" =a `5i [i gh'&$&%'Z]Y``X]Y`: fUi `Ui g]\fYf`5 Wk hYfVU\b[cbXY``i bX`ghØfnhY`]b`Y]bY`H]YZY`j cb`UWk h A YhYfb"'G]Y`\UhhY`XYb`G]WkYf\Y]hgVØ[Y``gY`VghghÅbX][Yb [YgWk`cggYbž'k Ug'Y]bY`k YgYbh`]WkY`9f_Ybbhb]g`XYf`9fa]hh`i b[Yb XUfghY``h"`Hfchn`XYf`cfXbi b[g[Ya Å»Yb`G]WkYfi b[`k Uf`Yg'a Ò[`]Wkž XUgg'g]Y`Ui g`XYf`6U\b`[YgWk`Yi XYfh`k i fXY"$

G]WXYf\Y]hgUgdY_hY'i bhYf'XYf'@i dY

 $9]bY`YbhgWXY]XYbXY`Fc``Y`]b`XYb`9fa]hh`i b[Yb`gd]Y`hY`Y]b; i hUWXhYb`XYg`H, J`F\Y]b`UbX"`9]b`gdYn]Y```VYUi ZhfU[hYf$

 $GUWX,j \ YfghÅbX][\ Yf'ghY``hY'XYb'I bZU```bUWX'i bX'ghY``hY'ZYghž'XUggUi Z[fi bX'XYg'\c\Yb'? OfdYf[Yk]WX hg'XYf': fUi 'a O[`]WXYfk Y]gYY]bY'; YZU\f'ZØf'X]Y'G]WXYf\Y]h'VYghUbXž'i bUV\Åb[]['XUj cbž'cVXYf'G]WXYf\Y]hgVØ[Y``ZYgh'[Yg]WXYfh'k Uf'cXYf'b]WXh'''Gc`WXY': À``YgY]Yb']a ': fY]nY]hdUf_'b]WXh'j cf\YfgY\VUfž'k Ug'X]Y'JYfUbhk cfhi b[XYg'6YhfY]VYfg'gck]Y'XYg'DYfgcbU`g'Ui ggWX`]Y*h''$

BUWX f@ghi b['U`g`FYU_h]cb 'Ui Z'XYb I bZU``

±0.7c`[Y'XYg'hfU[]gWXYb'JcfZU``g'kifXY'X]Y'5WXhYfVU\b
j cfØVYf[Y\YbX'gh]``[Y`Y[h"'8Yf'nighÀbX][Y'?fY]g'7cWXYa!NY``ž
i bhYf'6YfØW_g]WXh][i b['XYg'; i hUWXhYbgž'cfXbYhY'Y]bY
BUWXfØghi b['Ubž'i a 'XYb'U_hi Y``Yb'G]WXYf\Y]hgghUbXUfXg'[YfYWXh
ni 'kYfXYb"'9g'kifXY'Yf_`Àfhž'XUgg'X]Y': U\fhž'X]Y'YhkU'))\$'AYhYf
`Ub['i bX'%+ž)'AYhYf'\cWX']ghž'nijcf'i bY]b[YgWXfÀb_h'VYhf]YVYb
kYfXYb'_cbbhY"

9]b 6`]W_ Ui Z X]Y G]W Y f \ Y]hgUi Z U[Y b

#bg[YgUa h'nY][h'X]YgYf'JcfZU``ž'k]Y'k]W\h]['Yg']ghž'XUgg
: fY]nY]hdUf_g'_cbh]bi]Yf`]W\'Ub']\fYb'G]W\Yf\Y]hgj cf_Y\fi b[Yb
UfVY]hYb"'8Yf'I bZU```]b'?`chhYb'\Uh'b]W\h'bi f'XUg'@YVYb'Y]bYf': fUi
[YZcfXYfhž'gcbXYfb'Ui W\'Y]bYb'V`Y]VYbXYb'9]bXfi W_']b'XYf
6fUbW\Y'\]bhYf`UggYbž'XYf'X]Y'8]g_i gg]cb'i a 'G]W\Yf\Y]h'i bX
J YfUbhk cfhi b['bYi 'VY`Yi W\hYh'\Uh"

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