

BUWN DZYZZYfgdfUml5hhUW_Y. D`Uhnj Yfk Y]g ZØfBcfh\Y]a Yf]b 9]bVYW_

BUWX 'Y]bYa ', VYf[f]ZZ']b'9]bVYW_'k i fXY'Y]bYa '&' ! λ \f][Yb bUWX '? ÒfdYfj Yf`Yhni b['Y]b'D`Uhnj Yfk Y]g'YfhY]`h"'K Y]hYfY 8YhU]`g'\]Yf"

5a '5VYbX'XYg'' \$"'5i [i gh'&\$&('YfY][bYhY'g]W\ 'Y]b'JcfZU```Ui Z XYa '9]bVYW_Yf'A Uf_hd`Uhnž'XYf'X]Y'5i Za Yf_gUa _Y]h'XYf'Dc`]nY] Ui Z'g]W\ 'nc["'8Yf'JcfZU```VY[Ubb'a]h'Y]bYa 'j YfVU`Yb'GhfY]h nk]gW\Yb'nk Y]'&' !'À\f][Yb'A ÀbbYfbž'Y]bYa 'Ui g'Bcfh\Y]a 'i bX Y]bYa 'Ui g'9]bVYW_ž'Ua '9i `Ybgd]Y[Y`!6fi bbYb"'9g']gh'b]W\h i b[Yk Ò\b`]W\ž'XUgg'gc`W\Y'5i gY]bUbXYfgYhni b[Yb']b'ÒZZYbh`]W\Yb FÀi a Yb'ghUhhZ]bXYbž'UVYf'X]Y'9g_U`Uh]cb'X]YgYf'G]hi Uh]cb'k Uf U``Yg'UbXYfY'U`g'U``hÀ[`]W\"

8]Y'ni bÀW\\\gh'j YfVU'Yb'5i gY]bUbXYfgYhni b[Yb'VfUW\\hYb'X]Y
; Ya ØhYf'gc'k Y]h'Ui Zž'XUgg'XYf'Bcfh\Y]a Yf'gW\\]Y»`]W\\
DZYZZYfgdfUm'[Y[Yb'gY]bYb'K]XYfgUW\Yf'Y]bgYhnhY"'8]YgY
[YZ\\f`]W\Y'<UbX\`i b['ZØ\fhY'ni 'Y]bYf'FY]ni b['XYf'5i [Yb'XYg CdZYfgž'k Ug'X]Y'gcZcfh][Y'\DhYfj Ybh]cb'j cb'FYhhi b[ggUb]h\hYfb YfZcfXYf`]W\\`a UW\hY"'Bchfi Z'i bX'gW\bY\`Y'FYU_h]cb'XYf
FYhhi b[g_f\hZhY'g]bX']b'gc\W\Yb':\h\`Yb'YbhgW\Y]XYbX\z'i a
JYf`YhnhYb'X]Y'bchk YbX][Y'a YX]n]b]gW\Y'<]`ZY'ni _ca a Yb'ni `UggYb"

FYW\h`]W\Y'?cbgYeiYbnYb

 $= a \cdot 5bgWX \cdot i \cdot gg \cdot Ub \cdot XYb \cdot J \cdot cfZU \cdot \cdot \cdot k \cdot i \cdot fXY \cdot Y]b \cdot 9fa \quad]hh \cdot i \cdot b[\cdot gj \cdot YfZU \setminus fYb \cdot k \cdot Y[\cdot Yb \cdot [\cdot YZA \setminus f' \cdot]WX \cdot Yf' \cdot ? \cdot OfdYfj \cdot Yf \cdot Yhni \cdot b[\cdot [\cdot Y[\cdot Yb \cdot XYb \cdot B \cdot cfh \setminus Y]a \cdot Yf \cdot Y]b[\cdot YY]hYh'' \cdot ? \cdot OfdYfj \cdot Yf \cdot Yhni \cdot b[\cdot]gh \cdot Y]b \cdot Yfbghni \cdot bY \setminus a \cdot YbXYg \quad J \cdot Yf[\cdot Y \setminus Yb \cdot ZYUg \cdot CZh \cdot b]WX \cdot h' \cdot bi \cdot f' = OfdYf \cdot]WX \cdot Yz \cdot gc \cdot bXYfb \cdot Ui \cdot WX$

dgmWk]gWkY'5i gk]f_i b[Yb'Ui Z'X]Y'6YhfcZZYbYb'\Uh"'5`g'X]fY_hY
?cbgYei Ybn'gY]bYg'<UbXY`bg'k i fXY']\a 'Y]b'D`Uhnj Yfk Y]g'ZØf'X]Y
=bbYbghUXh'j cb'9]bVYW_'YfhY]`h"</pre>

8 Ugʻ = hYfYggUbhYʻUbʻX]YgYa ʻJcfZU```]ghž'XUggʻXYfʻBcfh\Y]a Yf ni bÀW\ghʻb]W\h'VYfY]h'k Ufž'XYfʻ5bk Y]gi b[ʻXYfʻDc`]nY] bUW\ni _ca a Yb"ʻGhUhhXYggYbʻZUbXʻYfʻg]W\ʻ_i fn'XUfUi Zʻ]ba]hhYb k Y]hYfYfʻGhfY]h][_Y]hYbʻa]hʻUbXYfYbʻDYfgcbYbʻ]a ʻGhUXh[YV]Yh k]YXYf"8]YgYgʻJYf\U`hYbʻZØ\fhYʻni 'Y]bYa ʻni gÀhm`]W\Yb CfXbi b[gk]Xf][_Y]hYbj YfZU\fYbʻ[Y[Yb']\b'i bX'nY][hž'k]YʻgW\bY`` Ui gʻY]bYa ʻGhfY]h'Y]bYʻgW\k Yfk]Y[YbXYʻG]hi Uh]cbʻYbhghY\Ybʻ_Ubb"

8]Y'Dc`]nY]'k Uf'XUfUi Z\]b'[Ynk i b[Ybž'a]h'5bXfc\i b['Y]bYf

\$\Dc\]nY]'k Uf'XUfUi Z\]b'[Ynk i b[Ybž'a]h'5bXfc\i b['Y]bYf

\$\Dc\]nY]'gUa bU\a Y'Y]bni [fY]ZYbž'i a 'X]Y'G]hi Uh]cb'ni

XYYg_U`]YfYb'''@YhnhYbX`]W\'YbhgW\]YX'g]W\'XYf'A Ubbž'X]Y'GhUXh'ni

j Yf`UggYb'i bX'Z\fa]h'XYa '6i g']b'F]W\hi b['gY]bYg'K c\bcfhYg']b

Bcfh\Y]a "'8]YgYf'JcfZU``i bhYfghfY]W\h'X]Y'5i gk]f_i b[Yb'j cb

]a di `g]j Yb'9bhgW\Y]Xi b[Yb'i bX'XYfYb'fYW\h`]W\Y'?cbgYei YbnYb''

8]Y'9fY][b]ggY'XYg'5VYbXg'ghY``Yb'b]W\h'bi f'Y]bY
5i gY]bUbXYfgYhni b['nk]gW\Yb'\DX]j]Xi Yb'XUfž'gcbXYfb'k YfZYb
Ui W\'Y]b'@]W\h'Ui Z'XUg'Ni gUa a Ybgd]Y`'j cb'5[[fYgg]cbž
ÒZZYbh`]W\Yf'G]W\Yf\Y]h'i bX'XYf'Fc``Y'XYf'Dc`]nY]'VY]'XYf'K U\fi b[
j cb'CfXbi b['i bX'G]W\Yf\Y]h''\DY'\DY'\NY]hž']b'XYf'X]Y'; YgY``gW\UZh
ni bY\a YbX'j cb'GdUbbi b[Yb'[YdfÀ[h'k]fXž']gh'Yg'k]W\h][ž'KY[Y

JcfZÀ``Y`k]Y`X]YgYf`Yf]bbYfb`i bg`XUfUbžk]Y`k]W\h]['Yg`]ghž?cbZ]_hY`Zf]YX`]W\ni ``ÒgYb`i bX`fYgdY_hj c```a]hY]bUbXYf
i a ni [Y\Yb"`¾XYg`_`Y]bY`A]ggj YfghÀbXb]g`_Ubb`Ui gi ZYfbžk Ybb
Yg`b]W\h`fYW\hnY]h]['[Y_`Àfh`k]fX"`8]Y`9fY][b]ggY`]b`9]bVYW_`g]bX
Y]b`6Y]gd]Y``XUZØfžk]Y`gW\bY```Ui g`Y]bYa`\Ufa`cgYb`GhfY]h`Y]bY
YfbghY`G]hi Uh]cb`YbhghY\Yb`_Ubbžk Yg\U`V`DfÀj Ybh]cb`i bX`Y]b
j YfUbhk cfhi b[gVYk i gghYf`I a[Ub[`a]hY]bUbXYf`]a a Yf`Ub`YfghYf

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