

BYi Yg'K c\bei Ufh]Yf']b'<Y]`][YbgYY. =bZcfa Uh]cbgUVYbX'Ua'&+"'>i b]'&\$&(



±b'<Y]`][YbgYY'YbhghY\h'Y]b'bYiYg'K c\beiUfh]Yf'UiZ'Y]bYa Y\YaU`][Yb'±bXighf]YUfYU`'XYf'HYhfU'DU_'; a V<'i bX'XYf'GYa dYf #Ya 'I bXYfVYf['5; "'8 Ug'fi bX', \$'<Y_hUf'[fc» Y'; Y`ÀbXY'k]fX'ni
Y]bYa 'K c\bei Ufh]Yf'Ybhk]\w_Y`hz'XUg'K c\bYbz'k c\bi b[gbU\Yg
; Yk YfVYz'Y]bY'?]bXYfhU[YgghÀhhY'i bX'BUhi f'a]hY]bUbXYf
j YfV]bXYh"'8]Y'NG#, Yk cVU['Dfc'Y_hYbhk]\w_`i b['<Y]`][YbgYY
; a V< '`ÀXh' ₺hYfYgg]YfhY'ni 'Y]bYa '₺Zcfa Uh]cbgUVYbX'Y]bz'i a 'X]Y
Dfc'Y_h\]ghcf]Y'i bX'XYb'U_hi Y``Yb'D`Ubi b[gghUbX'j cfni ghY``Yb"</pre>

 $8 \ Yf' + 2cfa \ Uh]cbgUVYbX'Z]bXYh'Ua'' & + "' > b]' & & & ('jcb'', .$$'' & $.$$'I \ f']a''JYfgUa'a'i b[gfUia''XYf'K'U'X_]fWXY'<Y]'][YbgYYž' Ghc'da ØbXYf'K'Y['')!('ž'%')$''6Yf']b'ghUhh''; AghY'XYg'5VYbXg'g]bX'i bhYf'UbXYfYa''?cf]bbU'GhYd\Ubž'6Yn]f_gghUXhfAh]b'ZØfGhUXhYbhk]W_i b[ž'H]a''?'Ym'jcb'XYf'AibX]U''5; ž Dfc'Y_hj YfUbhk cfh']WXYf'XYf'NG'6YhY]'][ib[g'; a V<ž'ibX'H\cfghYbGWi'hYž'; YgWXAZhgZØ\fYf'XYf'; YkcVU[''96'9bhk]W_i b[g!'ibX6Ui'VYhfYiib[g[YgY'`gWXUZh'''8]Y'AcXYfUh]cb'ØVYfb]a'a h'GUV]bYG'UdU'jcb'XYf'g'UdU'/''X]Y'fUia'd'UbYf'; a V<"$

8 UgʻbYi YʻK c\bei Ufh]Yfʻ]bʻ<Y]`][YbgYYʻXØfZhYʻY]bYb
VYXYi hYbXYbʻ9]bZi ggʻUi ZʻX]Yʻ`c_U`Yʻ\DZfUghfi _hi fʻi bX
K c\bg]hi Uh]cbʻ\UVYb"ʻA]hʻK c\bi b[Ybž'; Yk YfVYʻi bXʻY]bYf
?]bXYfhU[YgghÀhhYʻk]fXʻXUgʻEi Ufh]Yfʻni ʻY]bYfʻUhhfU_h]j YbʻCdh]cb
ZØfʻni _ØbZh][Yʻ6Yk c\bYf]bbYbʻi bXʻ6Yk c\bYf"ʻ8]YʻI a [YghUʻhi b[Y]bYgʻY\Ya Uʻ][Ybʻ\DXi ghf]YUfYUʻgʻ]bʻY]bʻK c\b[YV]Yhʻ]ghʻY]b
k]WXh][YfʻGWXf]hhʻ]bʻXYfʻ9bhk]W_`i b[`XYqʻGhUXhhY]`q"

<]ghcf]gWk '[YgY\Yb'_ObbhY'X]Y'I a k UbX`i b['Y]bYg

\[
\Delta Xi ghf]YUfYU`g']b'Y]b'K c\bei Ufh]Yf'Ui Wk'U`g'HY]`'XYg'K UbXY`g

j cb'Y\Ya U`g']bXi ghf]Y``'[YdfA[hYb'; YV]YhYb'ni 'a cXYfbYb

K c\b[Y[YbXYb'VYhfUWkhYh'k YfXYbž'k Ug']b'j]Y`Yb'GhAXhYb

k Y`hk Y]h'ni 'VYcVUWkhYb']qh"</pre>

Ni f'k Y]hYfYb' ⊕ Zcfa Uh]cb'g]bX'\]Yf'fY`Yj UbhYb'8 UhYb']b'Y]bYf HUVY``Y'XUf[YghY``h

8 UgʻbYi YʻK c\bei Ufh]Yfʻ]bʻ< Y]`][YbgYYʻghY\hʻgca]hʻj cf gdUbbYbXYbʻ9bhk]W_`i b[Ybʻi bXʻV]YhYhʻY]bʻbYi YgʻNi \Ui gYʻZØf j]Y`YʻA YbgW\Ybʻ]bʻXYfʻFY[]cb"ʻ8Yfʻ\Dzcfa Uh]cbgUVYbXʻgck]YʻX]Y 6YhY]`][i b['XYfʻ² ZZYbh`]W_Y]hʻg]bX`k]W\h][YʻGW\f]hhYʻUi ZʻXYa K Y['ni fʻFYU`]g]Yfi b['X]YgYgʻni _i bZhgk Y]gYbXYbʻDfc'Y_hg"

Ely``Y. k k k "VYf`]b"XY

8 Y hU]`g

6Yqi WXYb G]Y i bq Ui Z. a Y]b!VYf`]b bYh