

GhY][YbXY'5i g[UVYb'ZØf'?]bXYf']a 6Øf[Yf[Y`X.'9]b'6`]W_'Ui Z'&\$&'

8 Yi hgW\`UbX`[UV`&\$&' `fi bX`) ž*`A]``]UfXYb`9i fc`6Øf[Yf[Y`X ZØf`?]bXYf`Ui g"`8]Y`NU\```Y]ghi b[gVYfYW\h][hYf A]bXYf^À\f][Yf`ghY][h"

6Yf`]b`fXdUŁ` '8]Y`5i g[UVYb`XYg`6i bXYg`ZØf`?]bXYf`i bX

\$\fi [YbX`]W\Y`]a \text{FU\a Yb`XYg`6\OMF[Yf[Y`XYg`VY`]YZYb`g]W\']a

\$\fi [Vb[YbYb`\\]\f`Ui Z'VYY]bXfi \(\w_\YbXY\')\) \(\text{z*} \text{'A} \]``]UfXYb`'9i fc\''8]YgY

\(\text{NU\`Yb`fYgi `h]YfYb`'Ui g`Y]bYf`5bZfU[Y`XYg`5Z8!\)

6i bXYghU[gUV[YcfXbYhYb`FYb\A'Gdf]b[Yf`Ub`XUg\)

6i bXYggcn]U`a]b]ghYf]i a \text{i bX'k YfZYb'Y]b'GW\`U[`]W\h'Ui Z'X]Y\\
\(\text{Z]bUbn]Y``Y`I bhYfgh\Omegahni b['\text{Z\Omegaf'Y}]bYf'XYf'j Yf`Yhn`]W\YfYb'; fi ddYb\)
\(\text{Jb'}\text{YgY``gW\UZh''}\)

8]Y ghY][YbXYb?cghYbibX]\fYIfgUWXYb

8]Y') ž* 'A]``]UfXYb'9i fc'ZØf'?]bXYf']a '6Øf[Yf[Y`X'ffY\Ya U`g VY_Ubbh'U`g'<Ufhn'=J Ł'ghY\Yb']a '?cbhYl h'Y]bYg'g][b]Z]_UbhYb 5bgh]Y[g'XYf'`Y]ghi b[gVYfYW\h][hYb'A]bXYf'À\f][Yb''K À\fYbX &\$%\$'`YX][`]W\'%ž* + 'A]``]cbYb'A]bXYf'À\f][Y'j cb'gc`W\Yb @Y]ghi b[Yb'dfcZ]h]YfhYbž'g]bX'Yg'9bXY'&\$&' 'VYfY]hg'Yhk U'%ž A]``]cbYb''8]Yg'Ybhgdf]W\h'Y]bYa '5bgh]Y['j cb'+ž 'DfcnYbh']b Y]bYa 'NY]hfUi a ž']b'XYa 'Ui W\'X]Y'; YgUa hVYj Ò`_Yfi b[8Yi hgW\`UbXg'k i W\g''

8 Ya c[fUd\]gWXYf'K UbXY`.'?]bXYf']a gcn]U`Yb'BYhn

8]Y`XYa c[fUd\]gW\Yb`JYfÀbXYfi b[Yb`nY][Yb`g]W\`YVYbgc`]a JYf\À`hb]g`nk]gW\Yb`XYi hgW\Yb`i bX`Ui g`ÀbX]gW\Yb

8]Y'[YgY``gW\UZh`]W\Yb'=a d`]_Uh]cbYb'XYg 6Øf[Yf[Y`XYg

A]h'%&ž* 'DfcnYbh'XYf'6Yj Ò`_Yfi b['i bhYf'%, ' $\frac{1}{2}$ \fYbž'X]Y']a ' $\frac{1}{2}$ \f &\$&' '6Øf[Yf[Y`X'VYn]Y\Ybž']gh'X]Y'K U\fbY\a i b['X]YgYf I bhYfghØhni b[']b'XYf'; YgY``gW\UZh'j cb'[fc\)Yf'6YXYi hi b['' Gdf]b[Yf'\Uh']b'X]YgYa 'Ni gUa a Yb\Ub['[YZcfXYfhž'X]Y'5bfY]nY ni f'A][fUh]cb']b'X]Y'Gcn]U`gmghYa Y'ni 'ØVYfXYb_Yb'''N]Y`'X]YgYf : cfXYfi b[Yb']gh'Ygž'Y]bY'_`UfY' A][fUh]cbgk YbXY 'Y]bni `Y]hYbž X]Y'gck c\`'X]Y'gcn]U`Yb'U`g'Ui W\'X]Y'k]fhgW\UZh`]W\Yb \= a d`]_Uh]cbYb'X]YgYf'9bhk]\W_`i b[Yb'VYfØW_g]W\h][h''

: Un]h. '9]b 'k UWX gYb XYg 'gcn]U `Yg G]WX Yf \ Y]hgb Yhn

8 YhU]`g

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