

## HÀ[`]WXY'?fmdhc'Dfc[bcgY''AcjYfg'ibXG\U\_Yf''%"'C\_hcVYf'&\$&%

6]hwc]bž6H7 ni I G8 žgh]Y[ 'Ua '8 cbbYfghU[ 'i a ') ž) & " "BUW Y]bYa 'D`i gʻj cb'%%, I 'Ua 'A ]hhk cW 'VYYbXYhY'6]hWc]b 'XYb A cbUh'a ]h'Y]bYa 'A ]bi gʻj cb'+ž\$\*I 'Ui Z'(' ", ' \$ž\$ I G8 "'9]b [Ya]gW hYf'GhUfh']b 'XYb 'HU[ 'ZØ\fhY 'XUni ž'XUgg'6]hWc]b 'Ui Z Y]b '\Dank hfUXUm!H]YZj cb'(%"(' &ž\$ I G8 'Ua 'ZfØ\Yb'A cf[Yb'Z]Y`ž VYj cf'Yg'Y]bY'6Yk Y[i b[ 'a UW\hY" K À\fYbX'6]hWc]b 'XUg YfghY'[fc>YI bhYfghØhni b[gb]j YUi 'VY]'(\$"\*, + I G!8c``Uf' a []b[ž'Z]Y``Yg'Xi fW 'XYb'', ž& !: \Dank j cb'(%") - & I G!8c``Uf'' 6]hWc]b 'ZUbX''YXcW\'ZfØ\nY]h][ 'I bhYfghØhni b[ 'i bX'Yf\c`hY g]W\'Ui Z'Y]b \Dank hfUXUm! < cW\'Ua 'gdÀhYb'BUW\a ]hhU[ 'j cb (("%&&ž\$ I G8 "'6Y] XYf'F U``mY'Xi fW\ VfUW\'6]hWc]b 'XUg'YfghY [fc>Y'K]XYfghUbXgb]j YUi 'VY]'(&"(, - ` ' / Ua d\\Y``]d/

6]hWc]bž'6H7 'ni 'I G8 ž'gh]Y[ 'Ua '8 cbbYfghU[ 'i a ') ž) &ı "'BUWX Y]bYa 'D'i g'j cb'%ž%, ı 'Ua 'A]hhk cWX 'VYYbXYhY'6]hWc]b'XYb'A cbUh a]h'Y]bYa 'A]bi g'j cb'+ž\$\* ı 'Ui Z'(' ", '\$ž\$'I G8"

9]b'[Ya]gW\hYf'GhUfh']b'XYb'HU['ZØ\fhY'XUni ž'XUgg'6]hWc]b'Ui Z'Y]b ♣bhfUXUm!H]YZ'j cb'(%"('&ž\$'I G8'Ua'ZfØ\Yb'A cf[Yb'Z]Y`ž'VYj cf'Yg Y]bY'6Yk Y[i b['a UW\hY"

KÀ\fYbX'6]hWc]b'XUg'YfghY'[fc»Y'l bhYfghØhni b[gb]jYUi'VY]

(\$"\*, +'I G!8c``Uf'i a []b[ $\check{z}'\check{Z}$ ]Y``Yg'Xi fW\'XYb'',  $\check{z}$ &ı !: =6'j cb (%") - &'I G!8c``Uf"

6]hWc]b ZUbX YXcW\ ZfØ\nY]h][ I bhYfghØhni b[ i bX Yf\c`hY g]W\ Ui Z Y]b  $\Rightarrow$  hfUXUm! < cW\ Ua  $\cdot$  gdÀhYb BUW\ a ]hhU[ ij cb  $\cdot$  ( ( "%&&ž\$ I G8 "

6Y] XYf F U``mY Xi fW VfUW 6]hWc]b XUg YfghY [fc Y K ]XYfghUbXgb]j YUi VY] (&"(, - `` 'i bX XUg nk Y]hY [fc Y K ]XYfghUbXgb]j YUi VY] (' "((- `` "

6]hWc]b'Xi fW\VfUW\'Ui W\'XYb'', ž&ı': =6'j cb'(%") - &'`'i bX VYYbXYhY'XYb'HU['Ui Z'Y]bYa'B]j YUi'j cb'('", \$\$'`"

 $8 \ Yf'_i \ fnZf]gh][\ Y'5i \ Zk \ AfhghfYbX'V`]YV'hfchn'XYf''Øb[\ ghYb'FØW__Y\ fui \ Z'Y]b'B]j \ YUi'i \ bhYf'($"$$$I \ G8']bhU_h": Øf'X]Y'6AfYb'VfAi W\ hY 6]hWc]b'Y]bYb'Ub\U`hYbXYb'FØW_[ Ub[ 'Xi fW\ XYb'* &'i ': \ \delta'j cb \ &+"&' \ Z'i a 'Y]bYb'_i fnZf]gh][ Yb'5Vk AfhghfYbX'ni 'V]`XYb''$ 

## 8YfFYghXYgDU\_Yhg

 $\pm$  'U``Yb`UbXYfYb'A U'cfg'k Uf'Yg'Y]b'Xi fWk UW\gYbYf'HU['Ua 8 cbbYfghU["

Dc`\_UXch'fi hgWk hY'i a '\$ž) \*ı 'UVž'i a 'XYa 'HfYbX Ybh[Y[Ybni k]f\_Yb"

: Øf`XYb`FYgh`XYf`AU^cfg`kUf`Yg`^YXcW\`Y]b`Vi```]gW\Yf`HU["

 $6] b U b W '7 c] b 'f \rlap/ \rlap/ \rlap/ \rlap/ \rlap/ \rlap/ h Y f Y i a 'f \rlap/ \rlap/ \rlap/ \rlap/ \rlap/ h Y b 'X Y b 'K Y [ " \\ i b X '@] h Y W c] b 'f \rlap/ \rlap/ \rlap/ \rlap/ \rlap/ h Y b 'X Y b 'K Y [ " \\$ 

±b 'XYf'U\_hi Y``Yb'K cW\Y'gh]Y[ 'XYf'?fmdhc!; YgUa ha Uf\_h'Ui Z'Y]b A cbhU[g\cW\'j cb'&"\$%( 'A fX"'I G8ž'VYj cf'Yf'Ui Z'Y]b'A]hhk cW\gh]YZ j cb'%", \$, 'A fX"'I G8'UVfi hgW\hY"'Ni a 'NY]hdi b\_h'XYg'GW\fY]VYbg

`U[ 'X]Y'; YgUa ha Uf\_h\_Ud]hU`]g]Yfi b[ 'VY]'%"-) ( 'A ]``]UfXYb'l G! 8 c``Uf"

8]Y'8ca ]bUbn'j cb'6]hWc]b'gh]Y['Ui Z'Y]b'8]YbghU[!<cW\'j cb'(&\overline{z})\*\i\overline{z}'\ove

5i W. ZØf X]Y A U cfg k Uf XYf GYdhYa VYf Y]b Xi fW k UW gYbYf A cbUh"

7 fmd hc "Wca '7c]b '[ Y[ Yb 'XYb 'HfYb X 'i b X 'gh]Y[ 'i a '\$ž) & i "

: Øf'XYb'FYgh'XYg'FiXY`g'k Uf'Yg''YXcW\'Y]b'fØW\_`ÀiZ][Yf'AcbUh"

6]hWc]b'7Ug\'GJ'fl&\$ž\*-ı Łž'7UfXUbcg'585'fl&' ž\*&ı Ł'i bX F]dd`Y g'L F D'fl%- ž\* ('i Ł'ZØ\fhY'XYb'K Y['bUW\'i bhYb"

 $7 \ U]b^{b} - fl \% z \& Lz^{6} b Ub W ^{7} c]b^{6} \% z ) ' ^{1} Lz^{9} h Y f Y i a ^{6} \% z ) ' ^{1} Lz^{6} b Ub W ^{7} c]b^{6} \% z ) ' ^{1} Lz^{6} a ^{7} b^{7} V Y b Z U^{9} "$ 

Dc`\_UXchij YfnY]W\bYhY`YXcW\`Y]bYb`VYgW\Y]XYbYb`JYf`i ghij cb %Ž,, ı "

.

## < Yi hY A cf[Yb

Ni a 'NY]hdi b\_h'XYg'GW\fY]VYbg'gh]Y['6]hWc]b'i a '\$\vec{z}\) ı 'Ui Z (' "-, ) \vec{z}\s' G8 "'9]b'Vi ``]gW\Yf'GhUfh']b'XYb'HU['ZØ\fhY'XUni \vec{z}\XUgg 6]hWc]b'j cb'Y]bYa 'ZfØ\Yb'A cf[Ybh]YZ'j cb'(' ", &&\vec{z}\X'] G8'Ui Z'Y]b < cW\'j cb'(' "---\vec{z}\X'] G8'gh]Y["

 $6]hWc]b^{``}]Y *^{`X}]Y ^{`k}]WX h][ghYb^{`I}bhYfghØhnib[g!^{`i}bX]$ 

 $K ]XYfghUbXgb]jYUigZf\emptyset\nY]h][ib[YhYghYh"]$ 

5b 'Ub XYfYf'GhY``Y'k Uf'Yg'Y]b 'Vi ``]gW\Yf'GhUfh']b 'XYb 'HU["

Ni a 'NY]hdi b\_h'XYg'GW\fY]VYbg'k Uf'7fmdhc"Wca 'i a '&ž) +ı [Ygh]Y[Ybž'i a 'X]Y': Ø\fi b['ni 'ØVYfbY\a Yb"

.

## : Øf XYb VYj cfghY\YbXYb 6]hWc]b!HU[

6]hWc]b'a ØgghY'XYb'D]j ch'j cb'(' "%&, 'I G8'j Yfa Y]XYbž'i a 'XUg YfghY'[fc»Y'K]XYfghUbXgb]j YUi 'VY]'((", &('I G8']bg'Gd]Y''ni Vf]b[Yb"

8 Ua ]h'6]hWc]b'Ui g'XYa'< cW\'j ca'8cbbYfghU['VY]'(("%&&ž\$'I G8 Ui gVfYW\Yb'\_Ubbž'k ÀfY'I bhYfghØhni b['j ca'VfY]hYfYb'A Uf\_h YfZcfXYf`]W\"

 $5V[YgY\Yb'] cb'Y]bYf'VfY]h'Ub[Y`Y[hYb'?fmdhc!FU``mY'k ØfXYb'XUgYfghY'[fc>Y'K]XYfghUbXgb]jYUi'i bX'XYf'K]XYfghUbX'j cb'()"$$$IG8'k U\fgWXY]b`]WX'XYb'5iZk ÀfhghfYbX'VY[fYbnYb"$ 

⇒a :: U``Y 'Y]bYf'VfY]h'Ub[Y`Y[hYb'?fmdhc!FU``mY'\_ObbhY'6]hWc]b'XYb K]XYfghUbX'VY]'(+"\$\$\$`I G!8c``Uf'hYghYbž'VYj cf'Yg'ni 'Y]bYa FØW\_ni ['\_ca a h"'8Ug'nk Y]hY'[fc»Y'K]XYfghUbXgb]j YUi '`]Y[h'VY] ()", %, 'I G!8c``Uf"

9]b:: U```i bhYf'X]Y'(' "%&, `` !A Uf\_Y'k ØfXY'XUg'YfghY'[ fc»Y I bhYfghØhni b[ gb]j YUi 'VY]'( &"%' ( `` ']bg'Gd]Y``Vf]b[ Yb"

 $5V[YgY\Yb'] cb'Y]bYa'kY]hYfYb'`Ab[YfYb'5igjYf\_UiZ'Ub'X]YgYa HU['gc``hY'6]hWc]b'XUg'nkY]hY'[fc>Y'IbhYfghØhnib[gb]jYUi'VY] ($"(', 'IG!8c``Uf'aY]XYb"'8Ug'', ž&i': =6'jcb'(%")-&'`'gc``hY'X]Y 5Vk AfhgVYkY[ib['VY[fYbnYb"$ 

.

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. '\_fmd hc!b Yk g"Uh