

# GWX k YfYf'A chcffUXi bZU``'Ui Z'XYf'656'&\$. \*\$!>À\f][Yf']b'?`]b]\_'[YZ`c[Yb

5a '&&"\$, "&\$&( 'k i fXY 'Y]b '\* \$! 'À\f][ Yf'? fUX ZU\fYf'Ui Z'XYf 656' &\$ 'gWk Yf'j Yf`Yhnh" | bZU``i fgUW Y'i bX '9fa ]hh`i b[ Yb `Ui ZYb"

;  $fYj Yga \emptyset \ Yb = 9]b gWk YfYf A chcffUXi b ZU YfY][bYhY g]W Ua &&" 5i [i gh & & ([Y[Yb %*.' $1] f Ui Z XYf 5i hc V U \ b 5 & $ ž Yhk U Y]bYb ?] ca YhYf j cf XYf 5i ZZU \ fh b UW ; fYj Yga Ø \ Yb " 8 Yf J cf ZU \ Yhf UZ Y]bYb * $! A \ f][Yb ?? f U X ZU \ f Yf ž X Yf ]b : U \ fhf]W hi b [F cghc W_i bhYfk Y[g k Uf "NYi [Yb VYf]W hYb ž X Ugg X Yf A chcff U X ZU \ f Yf a ]h Y ]b Yf ; YgWk ]b X][_Y]h j cb Yhk U '%' $ _a # \ \]bhYf X X Yf ] Ub X Yf Yb : U \ fn Yi [Yb Zi \ f ž X]Y]\ b ' Ø Y Yf \ c `h ` \ UhhYb "$ 

8 Yf'\*\$!\*\A\f][Y'\]Y`h'Y]bYb'Ui gfY]W\YbXYb'G]W\Yf\Y]hgUVghUbX'ni XYb'j cfUi gZU\fYbXYb'5i hcg"'D`Òhn`]W\'a i gghYb'X]YgY': U\fnYi [Y Ui Z[fi bX'Y]bYg'J Yf\_Y\fgYfY][b]ggYg'UVfi dh'UVVfYa gYb"'8Yf ?fUXZU\fYf'fYU[]YfhY'XUfUi Z\]b'YVYbZU``gž'VfYa ghY''YXcW\'ni ghUf\_ž'k Ug'XUni 'ZØ\fhYž'XUgg'Yf'X]Y'?cbhfc``Y'ØVYf'gY]b'A chcffUX j Yf`cf"'\DZc`[YXYggYb'\_Ua 'Yg'ni 'Y]bYa 'Ghi fnž'VY]'XYa 'XYf': U\fYf Ui Z'XYf', VYf\c`gdi f'`]Y[Yb'V`]YV"

# 8 Yf' I b ZU``\ Yf [ Ub [ 'i b X 'X ]Y ': c` [ Yb

BUWXXYa 'XUg'A chcffUX']b'Y]bYf'GWX 'Yi XYff]WX hi b[ 'XYb'6cXYb VYfØ\fhYž'fi hgWX hY 'Yg'Yhk U'&\$\$'A YhYf'k Y]hYf'i bX'\_Ua 'Ui Z'XYf < Ui dhZU\fVU\b'ni a '@]Y[ Yb"'8Yf': U\fYf'k i fXY'gWXk Yf'j Yf`Yhnh i bX'gcZcfh'a ]h'Y]bYa 'F Yhhi b[ g\i VgWXfUi VYf']b'XUg'?`]b]\_i a bUWX 'GWXk Yf]b'hfUbgdcfh]Yfh"'8]Y'JYf`Yhni b[ Yb'XYg A chcffUXZU\fYfg'YfZcfXYfhYb'Y]bY'gWXbY``Y'i bX'dfcZYgg]cbY``Y a YX]n]b]gWXY'6Y\UbX`i b[ "

I a 'X]Y'bchk YbX][ Yb'A U» bU\a Yb'Ub'XYf'I bZU``ghY``Y
Xi fW\ni ZØ\fYbž'k Uf'Yg'bchk YbX][ ž'X]Y'5&\$']b': U\fhf]W\hi b[
FcghcW\_'V]g'%, .' \$'I \f'\_ca d`Yhh'ni 'gdYffYb"'8]YgY'A U» bU\a Y
ZØ\fhY'ni 'Y]bYa 'F ØW\_ghUi ž'XYf'g]W\'ØVYf'a Y\fYfY'?]`ca YhYf
YfghfYW\_hYž'k Ug'ZØf'j ]Y`Y'5i hcZU\fYf'Y]bY'i bUb[ YbY\a Y
Gh]``ghUbXgYfZU\fi b[ 'VYXYi hYhY"'8Yf'YbhghUbXYbY'GUW\gW\UXYb
k i fXY'Ui Z'&\$\$\$'9i fc'[ YgW\Ahnh"

# 9fa ]hh`i b[Yb'i bX'5i Zfi Z'ni f'A]h\]`ZY

Ni f?`Àfi b[ 'XYg'[ YbUi Yb' < Yf[ Ub[ g'XYg'I bZU``g'\Uh'X]Y ?f]a ]bU`dc`]nY]'K ]ga Uf'X]Y'9fa ]hhì b[ Yb'ØVYfbca a Yb"'8]Y 9fa ]hhìYf'g]bX'XUfUb']bhYfYgg]Yfhž'k Y]hYfY'5i [ YbnYi [ Yb'ni Z]bXYbž'X]Y'Yhk Ug'ni a '; YgWXY\Yb'VY]hfU[ Yb'\_ObbYb"'<]bk Y]gY \_ObbYb'VY]a '5i hcVU\b!'i bX'J Yf\_Y\fgdc`]nY]fYj ]Yf'A YhY`gXcfZ i bhYf'XYf'HY`YZcbbi a a Yf'\$', (%!+-\*\*\$'cXYf'VY]'YXYf'UbXYfYb Dc`]nY]X]YbghghY``Y'[ Y[ YVYb'k YfXYb"Ni gÀhn`]WX'ghY\h'Ui WX'X]Y Cb`]bYk UWXY'XYf'@UbXYgdc`]nY]'A !J'ni f'J YfZØ[i b[ ž'i a ♣Zcfa Uh]cbYb'ni f'J YfZØ[i b[ 'ni 'ghY``Yb"

8 Yf'I b ZU```k ]fZh'Y]b'GW\`U[`]W\h'Ui Z'X]Y'; Y ZU\fYb']a
GhfU» Ybj Yf\_Y\fž']bgVYgcbXYfY'Ui Z'5i hcVU\bYbž'k c'\c\Y
; YgW\k ]bX][\_Y]hYb'i bX'd`Òhn`]W\'Ui ZhfYhYbXY

J Yf\_Y\fgÀbXYfi b[Yb'XfUa Uh]gW\Y': c`[Yb'\UVYb'\_ObbYb''CV'X]Y
9]b\U`hi b['XYf'; YgW\k]bX][\_Y]hg`]a ]hg']a a Yf'Ui gfY]W\YbX']ghž
k Ybb'UbXYfY': U\fYf'd`Òhn`]W\Y'6fYa ga UbÒj Yf'Xi fW\ZØ\fYbž
\_ObbhY'HY]`'X]YgYf'8]q\_i gq]cb'gY]b"

8]YgYf'JcfZU``nY][h'b]Wh'bif'X]Y'F]g]\_Ybž'X]Y'XUg': U\fYb'Y]bYg A chcffUXg'Ui Z'g]W\'Vf]b[hž'gcbXYfb'Yf]bbYfh'Ui W\'Ub'X]Y JYfUbhk cfhi b['U``Yf'JYf\_Y\fghY]`bY\a Yfž'Ui ZY]bUbXYf'FØW\_g]W\h ni 'bY\a Yb"'K À\fYbX'XYf': c\_i g'Ui Z'XYf'; Ygi bX\Y]h'XYg j Yf`YhnhYb': U\fYfg'`]Y[hž']gh'Yg'Ui W\'k]W\h][ž'XUgg'5i hcZU\fYf G]W\Yf\Y]hgUVgh\bXY'Y]b\U`hYb'i bX'ghYhg'Ui Za Yf\_gUa 'V`Y]VYbž i a 'À\b`]W\Y'I bZ\`Y'ni j Yfa Y]XYb"

< Ài Z][Y'I fgUWXYb'ZØf'A chcffUXi bZÀ``Y

A chcffUXi bZÀ``Y \_ObbYb cZh'Ui Z'j YfgWk]YXYbY: U\_hcfYb
ni fØW\_[YZØ\fh'k YfXYb"Ni 'XYb'\Ài Z][ghYb'I fgUWkYb'[Y\OfYb
ØVYf\O\hY'; YgWk]bX][\_Y]hž'a Ub[Y`bXY'G]WkhVUf\_Y]h'i bX'XUg
J Yf\U`hYb'UbXYfYf'J Yf\_Y\fghY]`bY\a Yf": cfgWkYf'\UVYb
\YfUi g[YZi bXYbž'XUgg'[YfUXY'VY]'A chcffUXi bZÀ``Yb'X]Y'I bZÀ``Y
\Ai Z][']a 'Ni gUa a Yb\Ub['a]h'XYa ', VYf\c`Yb'UbXYfYf
: U\fnYi [Y'ghY\Yb"'8]Yg'\_Ubb'ni '\_f]h]gWkYb'G]hi Uh]cbYb'ZØ\fYbž
k Ybb'J Yf\_Y\fghY]`bY\a Yf'UVfi dh'VfYa gYb'cXYf'X]Y'Gdi f
k YWkgY`b"

9]b'k Y]hYfYfYf\YV`]W\Yf'F]g]\_cZU\_hcf'ZØf'A chcffUXZU\fYf']gh'XUg
: Y\`Yb'Ui gfY]W\YbXYf'GW\i hnUi gfØghi b[ž'k]Y'<Y`a Y'cXYf
gdYn]Y``Y'GW\i hn\_`Y]Xi b[ž'X]Y']a :: U``Y'Y]bYg'Ghi fnYg
`YVYbgfYhhYbX'gY]b'\_Ubb"'@Ui h'6Yf]W\hYb'XYg'8Yi hgW\Yb'\Dgh]hi hg
ZØf'Bcfa i b['Y"J"'f8\D\L'hfU[Yb'bi f'Yhk U'(\$'i 'XYf'A chcffUXZU\fYf
]a a Yf'Y]bY'GW\i hn\_`Y]Xi b["'8]YgY'GhUh]gh]\_Yb'k Y]gYb'Ui Z'X]Y
K ]W\h][\_Y]h'j cb'5i Z\_`\Afi b['i bX'G]W\Yf\Y]hga U\\\bU\\a Yb']a
A chcffUXhfUbgdcfh'\]b"

#### GhUh]gh]\_Yb ni A chcffUXi bZÀ``Yb ]b 8 Yi hgWX`UbX

8]Y'5bnU\`XYf'JYf\_Y\fghchYb'i bhYf'A chcffUXZU\fYfb'VYhfi [']b
XYa gY`VYb'\\\fYhk U'\*\\$\"8]YgY'GhUh]gh]\_'j YfXYi h`]W\h'X]Y
; YZU\fYb\z'X]Y'XUg'A chcffUXZU\fYb'a ]h'g]W\`Vf]b[h\z'i bX'X]Y
Bchk YbX][\_Y]h'j cb'A U» bU\a Yb'ni f'JYfVYggYfi b['XYf
G]W\Yf\Y]h\z'k]Y'n"'6"'JYf\_Y\fgYfn]Y\i b['i bX'j YfVYggYfhY
\D\ZfUghfi \_hi f'Z\Of'A chcffUXZU\fYf"

## $8]YFc``YXYfJYf_Y\fgg]WXYfY]h$

JYf\_Y\fgg]W\Yf\Y]higd]Y`hiY]bY'YbhgW\Y]XYbXY'Fc``Y'VY]'XYf

FYXi \_h]cb'j cb'l bZ\`Yb'Ui Z'XYb'GhfU» Yb"'8i fW\'i a ZUggYbXY
?Ua dU[bYb'i bX'\delta]h]Uh]j Yb'\_\ObbYb'G]W\Yf\Y]hgghUbXUfXg'Yf\O\h
i bX'XUg'6Yk i gghgY]b'Z\Of'X]Y'; YZU\fYb']a 'GhfU» Ybj Yf\_Y\f
[YgW\AfZh'k YfXYb"'\delta'8Yi hgW\`UbX'Yb[U[]YfYb'g]W\'j YfgW\]YXYbY
\deltagh]hi h]cbYb'i bX'Cf[Ub]gUh]cbYb\Zi a 'A chcffUXZU\fYf'i bX
UbXYfY'J Yf\_Y\fghY]`bY\a Yf'\OVYf'X]Y'F]g]\_Yb'Ui Zni \_`AfYb"

 $9]bY'VYgcbXYfg'YZZY_h]j Y'A U bU a Y'g]bX \\ JYf_Y fgg]W Yf Y]hghfU]b]b[gžX]Y'Ui Z'X]Y'gdYn]Z]gW Yb \\ 6YXØfZb]ggY'i bX'; YZU fYb'XYg'A chcffUXZU fYbg'ni [YgW b]hhYb \\ g]bX"'8]YgY'HfU]b]b[g'n]Y`Yb'XUfUi Z'UVŽ'XUg': U fj Yf U`hYb'ni j YfVYggYfbž'X]Y'F YU_h]cbgZ\lambda\][_Y]h'ni 'Yf \O\Yb'i bX'X]Y \\ G]W Yf Y]h'Ui Z'XYb'GhfU Yb'ni 'ghY][Yfb''@Ui h'Y]bYf'9f YVi b['XYg 8 Yi hgW Yb'J Yf_Y fgg]W Yf Y]hgfUhYg'fB J F L' \UVYb'HY]`bY \a Yf gc`W Yf'HfU]b]b[g']a '8 i fW gW b]hh'Y]bY'i a ''$'i '[Yf]b[YfY K U fgW Y]b`]W_Y h'ni 'k YfXYb''$ 

## 5 i Z\_`Àfi b[ 'i bX'DfÀj Ybh]cb

9]b k ]Wk h][ Yf 5gdY\_h XYf J Yf\_Y \fgg]Wk Yf \Y]h i]gh X]Y  $\cdot$ 6] Xi b[  $\dot{z}$  X]Y gck c\`X]Y A chcffUXZU\fYf U`g Ui Wk UbXYfY J Yf\_Y \fghY]`bY\a Yf Y]bVYn]Y\Yb gc``hY" 5i Z\_`Àfi b[ gdfc[ fUa a Y $\dot{z}$ X]Y X]Y ; YZU\fYb XYg : U\fYbg i bX XUg f]Wk h][ Y J Yf \ U`hYb i]a 'GhfU» Ybj Yf\_Y\f h\Ya Uh]g]YfYb $\dot{z}$ 'g]bX YbhgWk Y]XYbX"  $\cdot$ 4bgVYgcbXYfY VY]  $\cdot$ 7 b[ Yb : U\fYfb 'gc``hY 'ZfØ\nY]h][ 'gYbg]V]`]g]Yfh k YfXYb $\dot{z}$ i a 'XUg F]g]\_c ij cb J Yf\_Y\fgi bZÀ``Yb 'ni 'j Yff]b[ Yfb"

? Ua dU[bYb'k]Y'g]W\Yf"a chcffUXZU\fYb"XY 'V]YhYb'k Yfhj c``Y

♣bZcfa Uh]cbYb'i bX'FYggci fW'b'ZØf'A chcffUXZU\fYf"'G]Y

]bZcfa ]YfYb'ØVYf'[YY][bYhY'GW\i hn\_`Y]Xi b[ž'G]W\Yf\Y]hgbi hni b[j cb'A chcffÀXYfb'i bX'JYf\U`hYbgfY[Y`b']a 'GhfU» Ybj Yf\_Y\f"'8]Y

9]b\U`hi b['X]YgYf'J cfgW\f]ZhYb'i bX'9a dZY\`i b[Yb'\_ObbhY'XUVY]
\Y`ZYbž'X]Y'NU\``XYf'I bZÀ``Y'i bX'X]Y'XUa ]h'j YfVi bXYbYb

JYf`Yhni b[Yb'XYi h`]W\'ni 'gYb\_Yb"

# 6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'X]Y!bUWX f]WX hYb "b Yh