

; cg`Uf`fØghYh`Ui Z.`BYi Y`X][]hU`Y`G]fYbYb ZØf`a Y\f`G]WXYf\Y]h°

; cg`Uf`a cXYfb]g]Yfh`G]fYbYbUb`U[Yb`ZØf`YZZY_h]jYfY 5`Ufa]Yfib["'BYiY'X][]hU`Y'GmghYaY'UV'&-"'\$\`]'&\$&)'Ub aY\fYfYb'GhUbXcfhYb"



; cg`Ufž'8Yi hgWX`UbX'!'8]Y'GhUXh'; cg`Uf'[Y\h'Y]bYb
YbhgWXY]XYbXYb'GWXf]hh']b'F]WXhi b['Y]bYf'a cXYfbYb'i bX
YZY_h]j Yb'5`Ufa]Yfi b["'5V'XYa '&-"'**']'&\$&) 'VY[]bbh'X]Y
9fbYi Yfi b['XYf''YhnhYb'bYi b'G]fYbYbghUbXcfhY']a 'GhUXh[YV]Yhž
X]Y'V]g\Yf'a]h'UbU`c[Yb'G]fYbYbUb`U[Yb'Ui g[YghUhhYh'k UfYb"
8]YgY'A cXYfb]g]Yfi b[']gh'HY]`'Y]bYf'i a ZUggYbXYb'I a ghY``i b['Ui Z
XYb'X][]hU`Yb'H9HF5!6CG!: i b_ž'k Ug'Y]bY'ni j Yf`Agg][YfY'i bX
YZZ]n]YbhYfY'5`Ufa]Yfi b['ZØf'X]Y'6Yj Ò`_Yfi b['i bX'9]bgUhn_fAZhY
j Yfgdf]WXh''8]Y'bYi Yb'GhUbXcfhY'g]bX']b'<U\bYb_`YY!6cW_gk]YgYž
C_Yfž'J]YbYbVi f[ž'K YXX]b[Ybž'@Yb[XYž'@cWXhi a 'i bX'K]YXY`U\
ni 'Z]bXYbž'k]Y'fY[]cbU`\Yi hY''XY'VYf]WXhYh''

A]h; YgUa h_cghYb; cb; fi bX; %(%"\$\$\$ '9i fc; k YfXYb; X]Y; 5fVY]hYb

nk]gWXYb XYa $^{\circ}$ &- $^{\circ}$ $^{\circ}$ $^{\circ}$ $^{\circ}$ $^{\circ}$ $^{\circ}$ $^{\circ}$ $^{\circ}$ [i gh & \$&) Xi fWX [YZØ\fh" 8 Yf I a VUi $^{\circ}$ k]fX Xi fWX XUg $^{\circ}$ @Ub X B]Y XYfgUWX gYb $^{\circ}$]a $^{\circ}$ F U\a Yb XYf G]fYbYb ZÒfXYff]WX h`]b]Yb $^{\circ}$ Z]bUbn]Y $^{\circ}$ i bhYfghØhnh" $^{\circ}$ 6 YfY]hg $^{\circ}$]a j Yf[Ub[YbYb $^{\circ}$ < YfVgh $^{\circ}$ g]b X $^{\circ}$ b $^{\circ}$ GhUXhhY] Yb $^{\circ}$ k]Y $^{\circ}$ Gi Xa YfVYf[$^{\circ}$ ZØf[Ybc\`i bX $^{\circ}$ C U\bXcfZ gck]Y $^{\circ}$ Ub XYf $^{\circ}$ Gh"! GhYd\Ub]!?]fWX Y G]fYbYb $^{\circ}$ a c XYfb]g]Yfh $^{\circ}$ k c fXYb $^{\circ}$ Ni XYa $^{\circ}$ k i fXYb $^{\circ}$ j]Yf $^{\circ}$ bYi Y G]fYbYbghUb XcfhY $^{\circ}$]b $^{\circ}$ 6U» [Y][Y $^{\circ}$ C \`\c Z $^{\circ}$; Ycf[YbVYf[$^{\circ}$ i bX $^{\circ}$ C U\bYb $^{\circ}$ YY! 6c $^{\circ}$ Qk]YgY Y]b[Yf]WX hYh"

8]Y 6YXYi hi b['ga UfhYf'G]fYbYgmghYa Y

K Ufi a 'X]Y'9fbYi Yfi b['XYf'G]fYbYbUb`U[Yb'gc'k]Wkh][']gh3'8]Y G]WkYf\Y]h'XYf'6Yj O`_Yfi b['\Uh'\OWkghY'Df]cf]hÀh"'5b[Yg]Wkhg [`cVU`Yf'< YfUi gZcfXYfi b[Yb'k]Y'XYa 'I _fU]bY!?f]Y['i bX'XYa ?`]a Uk UbXY`'VYghY\h'Y]bY'Xf]b[YbXY'Bchk YbX][_Y]h'ZØf'fcVi ghY K Ufb]bZfUghfi _hi fYb"'G]fYbYb'V]`XYb'XUg']b]h]U`Y'9`Ya Ybh'Y]bYg a Y\fgWk]Wkh][Yb'K UfbgmghYa g"'@Ui h'Yi fcVcg"XY'g]bX'g]Y YbhgWkY]XYbXži a 'X]Y'6Yj O`_Yfi b[']a '?UhUghfcd\YbZU``'gWkbY`` i bX'YZZY_h]j 'ni 'k UfbYb"

8]YgY'G]fYbYb'g]bX'b]Wkh'U``Y]b'''g]Y'k YfXYb'j cb'Yf[ÀbnYbXYb

\$\frac{1}{2}\text{Cfa} Uh]cbg_Ub\text{A}\text{Yb'VY['Y]hYh\text{A}'k]Y'Yhk U'Fi bX\text{B} b_\text{Z}'HJ''i bX'gc[Uf a cV]\text{Yb''K} Ufb!5ddg"'8i fWk'X]YgYb'UV[Ygh]a a hYb''K Ufba]hhY\'!A]I k]fX'Y]bY''i a \text{ZUggYbXY''; Y\text{ZU\fYb_ca a i b]_Uh]cb''[Yk\text{A\f'Y]ghYh\text{Z}} X]Y'']b''?f]gYbg]hi Uh]cbYb''i bj Yfn]WkhVUf']gh"'8]Y''JYfUbhk cfhi b['\text{Z\text{\text{Z\text{M}}}f''\text{X}']Y'\text{Y}b''?ca a i bYb\text{Z\text{\text{M}}f''\text{Y}} \text{O'\text{L}Yb''}GhUbXUfXg'gYhnh'i bX \text{Z\text{\text{\text{Z\text{M}}f'X]Y''Z]bUbn]Y'`\text{Y}' bhYfgh\text{\text{M}}hi b['\text{gcf[h'']}

 $9]bghUf_Yg9b[U[YaYbhZØfG]WXYfY]h$

8]Y=a d`Ya Ybh]Yfi b['Y]bYg'a cXYfbYb'G]fYbYb!K UfbgmghYa g']gh b]Wkh'bi f'Y]bY'hYWkb]gWkY'9bhgWkY]Xi b[ž'gcbXYfb'Ui Wk'Y]bY ghfUhY[]gWkY'A U» bU\a Y'ni f'9f\O\i b['XYf 6Yj O`_Yfi b[gg]WkYf\Y]h"'5b[Yg]Wkhg'ni bY\a YbXYf'6YXfc\i b[Yb Xi fWk'BUhi f_UhUghfcd\Yb'i bX'[Ycdc`]h]gWkY'F]g]_Yb'k]fX XYi h`]Wkž'XUgg'dfcU_h]j Y'A U» bU\a Yb'i bYf`Agg`]Wk'g]bX''; YfUXY]b'?f]gYbg]hi Uh]cbYb'g]bX'G]fYbYb!K UfbgmghYa Y'k YgYbh`]WkY

6Ui ghY]bY'XYg'N]j]`gWXi hnYg'i bX'Y]b'Yf_YbbVUfYg'NY]WXYb_ca a i bU`Yf'JYfUbhk cfhi b["

8]Y'GhUXh'; cg`Uf'\Uh'g]W\'Ui Z'XYb'K Y['[Ya UW\hž'X]Y'5`Ufa]Yfi b[]\fYf'6Øf[YffYggci fW'b'ZØf'XYb'9fbghZU``'ni 'cdh]a]YfYb'i bX'nY][h XUa]h'Y]b'[i hYg'<ÀbXW\Yb']b'XYf': ÒfXYfi b['XYf'G]W\Yf\Y]h'i bX XYg'K c\`VYZ]bXYbg']\fYf'9]bk c\bYf''5i Z'XYf'K YVg]hY'XYf'GhUXh k]fX'ni XYa 'i a ZUggYbX'ØVYf'X]Y'bYi Yb'K UfbhÒbY'i bX K UfbUb`ÀggY']bZcfa]Yfhž'XUa]h'X]Y'6Øf[Yf'ghYhg'Ui Z'XYa@Ui ZYbXYb'g]bX"

8 YhU]`g	
Cfh	; cg`Ufž'8YihgWX`UbX
Ei Y``Yb	fY[]cbU`\Yi hY"XY
	k k k "Yi fcVcg"XY

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