

6`]hnYf']b'CgbUVfØW_.'K c'\Yi hY FUXUfZU``Yb'`Ui Yfb°



8]Y'U_hi Y``Yb'6`]hnYfghUbXcfhY'_ObbYb'g]W\'Y'bUW\'HU[YgnY]h

K Ufi a '6`]hnYf gc k]Wkh]['g]bX

6`]hnYf'i bX'F UXUfZU``Yb'UfVY]hYb'XUVY]'a]h'j YfgWX]YXYbYb
HYWXbc`c[]Yb'i bX'A Yh\cXYbžYhk U'F UXUfž'@UgYf'i bX

\[
\delta Xi _h]cbggWX `Y]ZYb'' 8]YgY'GmghYa Y'\Y`ZYb'XUVY]\[
\footnote{\text{y}} YgWXk]bX][_Y]hgØVYfgWXfY]hi b[Yb'ni 'YfZUggYb'i bX'X]Y

G]WXYf\Y]h'Ui Z'XYb'GhfU\[\text{Y}\text{b'ni 'ZOfXYfb'' 8]Y'6i \[\text{y}\text{[Y`XYf'ZØf} \]

JYfghO\[\text{y}\text{y'j Uf]]YfYb''Y'bUWX'GWXk YfY'XYg'JYf[Y\Ybg'i bX'cV'XYf' : U\fYf']bbYfcfhg'cXYf'Ui \[\text{y}\text{Yfcfhg'[YV`]hnh'k i fXY'''9]b'NY]WXYb

XUZØf\[\text{Z}\text{XUgg'\]Yf'b]WXh'bi f'XUg'K c\``XYf'5i hcZU\fYf\[\text{z}\text{gcbXYfb'Ui WX} XUg'XYf': i \[\text{Ab}\text{[Yf'i bX'UbXYfYb'JYf_Y\fghY]\'bY\a Yf']a :: c_i g

qhY\h''

5 i Z_`Àfi b['i bX 'HfUbgdUfYbn

8]Y'HfUbgdUfYbn'VYnØ[`]W\'XYf'6`]hnghUbXcfhY'k]fX'XifW\
2 ZZYbh`]W_Y]hgUfVY]h'[YghÀf_h"'8]Yg'[YgW\]Y\h'b]W\h'bif'ØVYf'X]Y
gcn]U`Yb'AYX]Ybž'gcbXYfb'UiW\'XifW\'`c_U`Y'BUW\f]W\hYbž'X]Y
ØVYf'X]Y'U_hiY``Yb'6`]hnU_h]cbYb']bZcfa]YfYb"'8]Y

Ni gUa a YbUfVY]h'nk]gWXYb'Dc`]nY]'i bX'JYf_Y\fgVY\ÒfXYb'gd]Y`h\]YfVY]'Y]bY'YbhgWXY]XYbXY'Fc``Y"'; Ya Y]bgUa 'k]fX'XUfUb [YUfVY]hYhž'XUg'6Yk i gghgY]b'ZØf'JYf_Y\fgg]WXYf\Y]h'ni 'Yf\Ò\Yb i bX'XUg'JYfhfUi Yb']b'X]Y'[YgYhn`]WX'j cf[YgWXf]YVYbYb A U» bU\a Yb'ni 'ZYgh][Yb"

8]Y'VYj cfghY\YbXY'5i gk Yfhi b['XYf'6`]hngU]gcb'&\$&) 'V]YhYh ni XYa 'X]Y'A Ò[`]W_Y]hž'U_hi Y``Y'GhfUhY[]Yb'ni 'ØVYfdfØZYb'i bX ni _ØbZh][Y'5bdUggi b[Yb'j cfni bY\a Yb"'8Ua]h'gc``'X]Y JYf_Y\fgg]W\Yf\Y]h'_cbh]bi]Yf`]W\'j YfVYggYfh'k YfXYb"

: Øf'U```YbYž'X]Y'XUg'F]g]_c'Y]bYf'; YgWkk]bX][_Y]hgØVYfgWkfY]hi b[fYXi n]YfYb'a ÒWkhYbž'gY]'[YgU[h.'8]Y'9]b\U`hi b['XYf; YgWkk]bX][_Y]hg[fYbnYb'i bX'XYf'5VghUbX'g]bX'b]Wkh'bi f J cfgWkf]ZhYbž'gcbXYfb'Ui Wk'; fi bXdZY]`Yf'g]WkYfYf': U\fkY]gY"6`Y]VYb'G]Y'U`gc'k UWkgUa 'i bX'ZU\fYb'G]Y
j YfUbhk cfhi b[gVYki ggh' 'b]Wkh'bi f'ZØf'g]Wk'gY`Vghž'gcbXYfb'Ui WkZØf'X]Y'G]WkYf\Y]h'U``Yf'UbXYfYb'JYf_Y\fghY]`bY\a Yf"

 $: \emptyset f `k Y] h Y f Y ` \pm b Z c f a U h] c b Y b `ni `XY b `6`] h n Y f g h U b X c f h Y b `] b `C g b U V f \emptyset W V Y g i W Y b `G] Y `X] Y `GY] h Y b `XY f `< 5 G 9 D C G H `\] Y f `c XY f `X] Y `D` U h h Z c f a j c b `c g b U V f i Y W ! b Y h `\] Y f " `8 Y h U] ``] Y f h Y `9 f _` À f i b [Y b `ni `XY b f Y W X h`] W Y b `5 g d Y _ h Y b `j c b `6`] h n Y f `i b X `F U X U f Z U ``Y b `Z] b X Y b `G] Y `U i Z X Y f V i g g [Y `X _ U h U `c ["X Y "$

8 YhU]`g	
Cfh	CgbUVfØW_ž8YihgWX`UbX
EiY``Yb	k k k "\ UgYdcgh"XY
	k k k "cgbUVfi YW_!bYh"XY
	k k k "XYfVi gg[Y`X_UhU`c["XY

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