

## ; Yf]WX hgi fhY]`. H\Øf]b[Yf Dc`]nY]']a 5V\Òfg\_UbXU`i bhYf 8fi W\_°

5a '%, "\*" & \$&) 'd f Ø Zh' X Ug'; Yf] W\h'] b 'H\Øf] b [Yb' X] Y FYW\hgk ] Xf] [ \_Y] h' j cb' Dc'] n Y] UV\ Ò f U\_h] cb Yb ž' k\ À\fYb X' X] Y GhU Uhg Ub k\ U'hg W\ UZh' Yfa\]hhY`h''



I bhYfXYggYb g]bX X]Y VYhfc ZZYbYb Dc`]nY]VYUa hYb b]Wk h'i bhÀh][ " 9]b 'HY]`'j cb']\bYb 'd`Ubh'6YgWk k YfXY' [ Y [ Yb 'X]Y']bhYfbYb 
9fa ]hh`Yfž'X]Y']b 'XUg'J YfZU\fYb']bj c`j ]Yfh'g]bX"'8 Ug'; Yf]Wk hgi fhY]` \_\ObbhY 'k Y]hfY]Wk YbXY': c`[ Yb 'ZØf'XUg' [ Y\Y]a Y'J YfZU\fYb'k Y [ Yb '; Y\Y]a b]gj YffUh'bUWk 'g]Wk 'n]Y\Yb"'GWk cb' 'Yhnh'`Ui ZYb' [ Y [ Yb 'nk Y] DYfgcbU`fÀhY'XYf'H\Øf]b[ Yf'Dc`]nY]'J YfZU\fYbž'XU']\bYb j cf[ Yk cfZYb'k ]fXž' $\pm$ bZcfa Uh]cbYb'Ui g'XYa 'DfcnYgg'Ub'8f]hhY k Y]hYf[ Y [ YVYb'ni '\UVYb"

## 5b[f]ZZY 'VY] F Unn]Yb

8]Y I a ghÀbXY Y]bYg X]YgYf J YfZU\fYb g]bX VYgcbXYfg
XfUa Uh]gWX. 6Y] Y]bYf F Unn]U [ Y[ Yb Y]bYb DYfgcbU fUh k i fXY
b]WX h b i f X]Y K c\b i b [ ghØf U i Z[ YVfc W Yb ž gcb XYfb 6 Y U a hY
ZYggY h Yb XYb J YfX A W h][ Yb gc [ Uf j cf gY]bYf : Ua ] Y " 8 ] Yg
[ YgWX U\ ] b XYf ; YgWX A ZhgghY Y XYf Dc ] nY][ Yk Yf\_gWX UZh ; XD ] b
9fZ fh " 8 ] Y ; XD Yf\YVh a ] hh Yfk Y] Y 6 YgWX k YfXY [ Y[ Yb X] YgY
A U » b U\a Yb ž X U \_ Y]b 8 i f WX gi WX i b [ gV YgWX i gg j cf [ Y Y [ Yb \ UVY ž k Ug X] Y [ YgUa h Y C d Yf Uh]c b ] b Y] b ZfU [ k ØfX] [ Yg @] WX h h U i WX h"

8]Y'GhUUhgUbk U`hgW\UZh; YfU'\]b[Y[Yb'g]Y\h'X]Y'8ifW\giW\ib[U`g'fYW\ha\\andranoma\andranoma\]['Ub"'8cW\'XUa]h'b]W\h'[Ybi[.'8Yf'H\\Øf]b[Yf8UhYbgW\ihnVYUiZhfU[hY'\ØVYfdf\ØZh'U\_hiY``X]Y'6YgW\`U[bU\aib[jcb'nkY]'GYfjYfb'XYf'; YkYf\_gW\UZhž'X]Y'\cW\gYbg]V`Y'8UhYb'jcbfibX'(")\$\$'VYhfcZZYbYb'DYfgcbYb'Ybh\U`hYb"'<]Yf'\_\ObbhY'b]W\hbif'Y]b'dchYbn]Y``Yf'JYfghc\[Y[Yb'XYb'8UhYbgW\ihn'jcf']Y[YbžgcbXYfb'UiW\'X]Y'FYW\ha\\andranoma\[Y[Y]h'XYf'\DZcfaUh]cbYb'gY`Vgh'k]fXbib'\]bhYfZfU[h''8]Y'GhUUhgUbk U`hgW\UZh'\UhhY'XYa8UhYfjU[Ybni\_caaYb'`UggYbž'kUg'X]Y'G]hiUh]cb'kY]hYf'jYf\_caad`]n]Yfh''

## K Ugʻ]ghʻ; Y\Y]a b]gj YffUh3

8 c W k Y`W Y`F c``Y`gd]Y`h'XYf'; Y\Y]a b]gj YffUh']b`X]YgYa G\_UbXU`3'; Ya À» 'Y]bYa '5fh]\_Y``Ui Z'Ubk U`"XY`VYhf]ZZh; Y\Y]a b]gj YffUh'c Zh'DYfgcbYb']b'j YfUbhk cfhi b[gj c``Yb Dcg]h]cbYb'k]Y'; YgW À ZhgZØ\fYf'cXYf'+I!: UW \_fÀ ZhYž'X]Y`Ni [Ub[ni 'j YfhfUi `]W Yb'+b Zcfa Uh]cbYb'\UVYb"'9q`\UbXY`h'g]W ii a

a 'Dc`]nY]\_cbhYI h'ghY``h'XYf'; Y\Y]a b]gj YffUh'Y]bY'[fUj]YfYbXY

J Yf`Yhni b[ 'XYg'8]Ybgh[Y\Y]a b]ggYg'XUfž'k Ug'i "U"']b'XYb

DUfU[fUd\Yb'z'')' V'i bX'z'&\$' 'Gh, 6'[YfY[Y`h']gh"'Dc`]nY]VYUa hY

g]bX'[YgYhn`]WX'j YfdZ]WXhYhž'j YfhfUi `]WXY' ⊕ Zcfa Uh]cbYb'[Y\Y]a

ni `\U`hYbž'i a 'b]WXh'bi f'X]Y' ⊕ hY[f]hÀh']\fYfY][YbYb'9fa]hh`i b[Ybž

gcbXYfb'Ui WX'X]Y'G]WXYf\Y]h'j YfhfUi `]WXYf' ⊕ Zcfa UbhYb'ni

[UfUbh]YfYb"'?f]a]bU`!`YI]\_cb"XY'\YVh'\Yfj cfž'XUgg'VYfY]hg

VY\_UbbhY: À``Y'k]Y'XYf'Vf]h]gWXY'Dc`]n]gh'A Uf\_'?YbbYXmž'XYf

⊕ Zcfa Uh]cbYb'Ub'df]j UhY'I bhYfbY\a Yb'k Y]hYf[UVž

j YfXYi h`]WXYbž'k Y`WXY'j Yf\YYfYbXYb': c`[Yb'; Y\Y]a b]gj YffUh
\UVYb'\_Ubb"

; YfUXY`Yhnh`]gh`Yg`YbhgW\Y]XYbXž`X]Y`DfcnYggY`fi bX`i a ; Y\Y]a b]gj YffUh`i bX`X]Y`XUa ]h`j YfVi bXYbYb`fYW\h`]W\Yb FU\a YbVYX]b[i b[Yb`[YbUi `]a `5i [Y`ni `VY\U`hYbž`i a `b]W\h`bi f XUg`J YfhfUi Yb`]b`X]Y`Dc`]nY]ž`gcbXYfb`Ui W\`X]Y`ÒZZYbh`]W\Y G]W\Yf\Y]h`b]W\h`ni `[YZ\\fXYb"

8 Y hU]`g	
Cfh	9fZifhž8YihgWX`UbX
EiY``Yb	• k k k "a Xf"XY
	• k k k "Ubk U`h"XY
	• k k k "_f]a ]bU`!`YI ]_cb"XY

6Ygi WXYb G]Y i bg Ui Z b!U[ "bYh