

## < UUf ZY]Yfh DfYa ]YfY. 'J c`\_gZYgh ghUfhYh a ]h [ fc » Ya 'Dfc[ fUa a °</pre>

8 Ugʻ< UUfYfʻJ c`\_gZYghʻ&\$&) ʻVY[]bbhʻUa ʻ&\* "' $\not\Rightarrow$  b]ʻa]h 9fÒZZbi b[ 'Xi fW '6Øf[Yfa Y]ghYfʻ6i \_ck g\_]ʻi bXʻj ]Y`ZÀ`h][Ya Dfc[fUa a 'V]gʻʻ \$"' $\not\Rightarrow$  b]"



< UUfž'8 Yi hgW `Ub X '! '8 Ug' < UUfYf' J c `\_gZYgh'ghY \ h'j cf' XYf' HØf
i bX'j Yfgdf]W h'Y]b' k U\ fYg': Ygh'XYf': fYi XY'i bX'; Ya Y]bgW UZh'ni
k YfXYb"' J ca '&\* "'V]g'' \$"'\$ b]'j Yfk UbXY`h'g]W 'X]Y'N]f\_i gk ]YgY']b
< UUf'ni a 'GW Ui d`Uhn'ZØf'Y]b' Vi bhYg'Dfc[fUa a ž'XUg'gck c\`
9]b\Y]a ]gWXY'U`g'Ui W '6Ygi W Yf'Ub`cW\_Yb'k ]fX"'6Øf[Yfa Y]ghYf
8f"'5bXfYUg'6i \_ck g\_]'k ]fX'XUg': Ygh'Ua '8cbbYfghU[ž'XYb'&\*"
\$ b]ži a '%+'I \f'ZY]Yf`]W YfÒZZbYbž'k cVY]'XUg'hfUX]h]cbY``Y
5bnUdZYb'Y]bYg': UggYg'XYf' < cZVfÀi 'A ØbW Yb'b]W h'ZY\ `Yb'XUfZ''
8]Y'GhUXh'j YfUbghU`h'hYh'X]YgYg'J c`\_gZYgh'Yfgha U`g'U`g'cZZ]n]Y``Y
GhUXhj YfUbghU`hi b[ž'k Ug'X]Y': Y]Yf`]W \_Y]hYb'i a gc'VYXYi hYbXYf
a UW h''GØXXYi hgW Y"XY'VYf]W hYhž'XUgg'XUg': Ygh'i "U"'Ui W 'XYa
5b`Ugg'XYf'GhUXhYf\YVi b['j cb' < UUf'[Yk]Xa Yh']gh"</pre>

 $8 \ Yf' 6] Yfn Y'h Y h f] Y V'k \ ] f X' X U g' < Yfngh Ø W_ X Y g': Ygh Y g' X U f gh Y' Y b ž i b X' V Y f Y ] h g' ] a 'J c f Z Y' X' \ U V Y b' g] W 'n U \ 'f Y] W Y' G d c b g c f Y b ž' k \ ] Y' X] Y H f U X] h] c b g V f U i Y f Y] ' < c Z V f À i 'A Ø b W Y b' g c k \ ] Y' ` c _U `Y' I b h Y f b Y \ a Y b ž Y b [ U [ ] Y f h'' 9] b' U V k Y W g' i b [ g f Y] W Y g' A i g] _ d f c [ f U a a 'k ] f X' X] Y ; À g h Y' i b h Y f \ U 'h Y b''' + b' Y ] b Y a ': Y g h Y 'h' h f Y h Y b' b Y V Y b'' h f U X] h] c b Y' Y b 6 `U g a i g] _ [ f i d d Y b' U i W 'V Y _ U b b h Y' D U f h m V U b X g' k ] Y' H U _ Y' : ] j Y' i b X X] Y' $, -'6 U b X' U i Z Z X] Y' X U g': Y g h Y `h' n i a '? c W Y b' V f ] b [ Y b' k Y f X Y b'' 5 a ': f Y] h U [ <math>\check{z}'' * + ''' \Rightarrow \check{b}$  ]  $\check{z}'' Y f k$  U f h Y h' X] Y' 6 Y g i W Y f' j c b' % 'V ] g' % - 'I \ f' Y ] b g d Y n] Y' Y f' : U a ] `] Y b b U W a ] h U [ 'a ] h' Y f a À » ] [ h Y b' D f Y ] g Y b''' G h U X h < U U f' ] b Z c f a ] Y f h' Ø V Y f' k Y ] h Y f Y' < Ò \ Y d i b \_ h Y' k ] Y' X Y b G Y b | c f Y b b U W a ] h U [ 'U a 'A c b h U [  $\check{z}'' * " \Rightarrow b$  ]"

## 8 Ug: Yghdfc[fUa a

8]Y'j YfgW\]YXYbYb'J YfUbghU`hi b[Yb'j YfgdfYW\Yb'j ]Y` 5Vk YW, g`i b[ $\check{z}'i bX' \]Yf'q]bX'Y]b][Y' < <math>\check{O} \Ydi b_h Y']a' \[VYfV`]W$ .

- 8cbbYfghU[ž\*&\*"'; b]. '%+'| \f. '9fÒZZbi b['i bX'5bgh]W\ž UV'%, .' \$'| \f. '< Uf`Ym'Ei]bb'6UbX
- : fY]hU[ ž'&+"'; b]. '%&'V]g'%- '| \f.': Ua ]`]YbbUW\a ]hhU[ i bX'UV'%- '| \f.'HU\_Y':]j Y
- GcbbhU[ž'&-"'¬i b]. '%\$'l \f.'2 \_i a Yb]gW\Yf'; chhYgX]Ybghž %\$.'\$'l \f.': Yghi a ni ['a]h'HY]'bY\a Yfb'Ui g'XYb'JYfY]bYb
- A cbhU[ž" \$""; b]. "%%"V]g"%+" | \f. "GYb]cfYbbUWXa ]hhU[ibX"UV"%+" | \f. "5`a UVhf]YV"a ]h"8 > FU]bYf"A i bX

6YgcbXYfg'[YgdUbbh'XUfZ'a Ub'Ui Z'X]Y'DfÀa ]Yfi b['XYg'YfghYbGhUXh!GW\ØhnYb\_Ob][g'gY]bž'X]Y'Ua 'GUa ghU['i a '%('I \fghUhhZ]bXYb'k ]fX"'5i W\'dfU\_h]gW\Y'5hhfU\_h]cbYb'\_ca a Yb'b]W\h'ni\_i fn. 'J cb'5i hcgWcchYfb'ØVYf'? YhhYbZ]Y[Yf'V]g'\]b'ni?]bXYf\_Ufi ggY``g'g]bX'nU\`fY]W\Y': U\f[YgW\AZhY'ZØf'YXYb;YgW\aUW\_'j cf\UbXYb"'8]Y': Y]bgW\aYW\_Yf'i bhYf'XYb'6Ygi W\Yfb\_ObbYb'g]W\'Ui Z'j YfgW\]YXYbY'\_i `]bUf]gW\Y'Gh\bXY'ZfYi YbžXUfi bhYf': ]gW\gh\bXY'i bX'7f\&d\Ag"

9]b:YghZØfU`Y

8 Ug' < UUfYf'J c`\_gZYgh'V]YhYh'Y]bY'k i bXYfVUfY'; Y`Y[Yb\Y]hž'X]Y VUmYf]gWXY'?i `hi f'i bX'X]Y'k Ufa \Yfn][Y'; UghZfYi bXgWXUZh'ni Yf`YVYb"'5i WX'Hci f]ghYb'g]bX'\Yfn`]WX'Y]b[Y`UXYbž'g]WX'i bhYf'XUg : Yghdi V`]\_i a 'ni 'a ]gWXYb"'8]YgY'9j Ybhg'g]bX'cZh'gc'[YghU`hYhž XUgg'g]Y'Y]b'VfY]hYg'Di V`]\_i a 'UbgdfYWXYb'i bX'U``Y'; YbYfUh]cbYb Ub`cW\_Yb"'; Ui X]\_bcdZ"XY'k Y]gh'XUfUi Z'\]bž'XUgg'Yg'fUhgUa ']ghž g]WX'j cfUV'ØVYf'9]bhf]hhgdfY]gY'i bX'VYgcbXYfY'6YX]b[i b[Yb'ni]bZcfa ]YfYb"

 $8 \ Ug': Yghdfc[fUa\ a\ i'\ bX'k\ Y]hYfY' + 2cfa\ Uh]cbYb'g]bX'Ui\ Z'XYf + bYfbYhgY]hY'XYf'GhUXh' < UUf'UVfi\ ZVUf'''H]gWXfYgYfj\ ]Yfi\ b[Yb']a : YghnY`h'g]bX'VYfY]hg'UV'XYa\ '%$''' + b]'a\ O[`]WX Z'gcXUgg'U``YZ'X]Y g]WXYfY]bYb'D`Uhn']a\ : YghnY`h'Yf[UhhYfb'a\ OWXhYbZ'ZfØ\nY]h][FYgYfj\]Yfi\ b[Yb'j\ cfbY\a\ Yb'gc``hYb'''8 Ug' < UUfYf'J\ c`_gZYgh'k\]fX X]Y'GhUXh']b'Y]bY' < cWXVi\ f['XYg': Y]Yfbg'j\ Yfk\ UbXY`b'\ '`UggYb'G]Y g]WX'XUg'b]WXhYbh[Y\Yb'\$ 

8 Y hU]`g	
Cfh	< UUfž'8 Yi hgWX `Ub X
EiY``Yb	• kkk"giYXXYihgW\Y"XY
	<ul><li>k k k "ghUXh!\UUf"XY</li></ul>
	<ul><li>k k k "[ Ui X]_bcdZ"XY</li></ul>

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z 'b!U[ "XY