

## GYYWUffÅ ]b 5gdYfb. 8]Y Ni \_i bZh XYg K c\bYbg ]gh j ]Y ZÀ h][ i bX bUW \ U h][ °

⇒ XYf'GYYghUXh'5gdYfb'YfÒZZbYh'Y]bY'5i gghY``i b['ni 'XYb G]Y[Yfdfc'Y\_hYb'XYg'Ei Ufh]Yf'GYYWUffÅž'XUg'`Y]ghVUfYb K c\bfUi a 'gWXUZZh"



5gdYfbž'² ghYffY]WX '! '5a 'bcfXk Ygh`]WX Yb'l ZYf'XYg'5gdYfbYf
GYYg'YbhghY\h'a ]h'XYa 'Ei Ufh]Yf'GYYWUffÅ'Y]b'bYi Ygž
j ]Y'j YfgdfYWXYbXYg'K c\bdfc'Y\_hž'XUg'bUWX\U`h][ 'X]Y
@YVYbgei U`]hÀh']b'K ]Yb'ghY][ Yfb'gc``"K ]Y'VYfY]hg']a 'FU\a Yb
Y]bYf'DfYggYa ]hhY]`i b[ 'j cb'C HG'VY\_Ubbh'[ Y[ YVYb'k i fXYž'g]bX
X]Y'5fWX]hY\_hi f!'i bX'6Ui hfÀ[ Yfk YhhVYk YfVY'ni f'9bhk ]W\_`i b[ 'XYg
Ei Ufh]Yfg'YfZc`[ fY]WX'UV[ YgWX`cggYb"'8]Y'WFY]gY'j YfgWX]YXYbYb
9bhk ØfZY'g]bX'V]g'ni a '&, "'≯b]']a '?i bghfUi a 'UgdYfb'GYYghUXh'ni
gY\Ybž'k c'g]Y'VY]a 'Di V`]\_i a 'Ui Z'[ fc» Yg'♣bhYfYggY'ghc» Yb
XØfZhYb"

8]Y '9fÒZZbi b[ 'XYf'5i gghY``i b[ 'Z]bXYh'a ]h'dfca ]bYbhYb'; ÀghYb k]Y '6Yn]f\_gj cfghY\Yf'9fbgh'BYj f]j m'i bX'XYb'JYfhfYhYfb'j cb'K =9B

'(&\$z\*FcVYfh; fØbY]gz\*gck]Y'8]YhYf; fcgWkcdZjcbKc\bZcbXgK]Yb\*ghUhh"J]nYVØf[YfaY]ghYf]b\*?Uh\f]b; U½\*\cVX]Y'6YXYi hi b[XYg\*gcn]U`Yb\*Kc\bVUi g\*\Yfjcfii bX\*ghY``hY\*\_`Ufz\*XUgg\*GYYWUffÅ
`Y]ghVUfYb\*Kc\bfUi a 'a]h`\c\Yf\*Kc\bei U`]hÀh'i bX'i aZUggYbXYf

\*DZfUghfi\_hi f\*V]YhYb\*k]fX"\*8Ua]h\*k]fX\*XUg\*Ei Ufh]Yf\*b]W\h'bi f\*ZØf
VYghY\YbXYz\*gcbXYfb\*Ui W\\*ZØf\*ni\_ØbZh][Y'; YbYfUh]cbYb\*jcb
YbhqW\Y]XYbXYf\*6YXYi hi b[\*qY]b\*

## $BUWX \setminus U^h][Y^GhUXhd^Ubib[^]a : c_ig$

8]Y'GYYghUXh'\Uh'a ]hh'Yfk Y]'Y'a Y\f'U`g'Y]b'8f]hhY`']\fYf': `ÀW\Y Ybhk]W\_Y`h''8Ug'5i [Yba Yf\_'`]Y[h'XUVY]'Ui Z'\_`]a U[YfYW\hYf GhUXhd`Ubi b[ž'X]Y'b]W\h'bi f'FYggci fW'b'gW\cbhž'gcbXYfb'Ui W\Y]b'[Ygi bXYg'@YVYbgi a ZY`X'ZÒfXYfh''8]YgYg'Jcf[Y\Yb'ghY\h']a 9]b\_`Ub['a]h'[`cVU`Yb'HfYbXgž'X]Y'Ui Z'bUW\\U`h][Y GhUXhYbhk]W\_`i b['gYhnYbž'XYbb'V]g'&\$) \$'k YfXYb'`Ui h'Dfc[bcgYb XYf'I B'V]g'ni '+\$i 'XYf'K Y`hVYj Ò`\_Yfi b[']b'ghÀXh]gW\Yb'; YV]YhYb `YVYb'a ØggYb''GhÀXh]gW\Y'FÀi a Y'a ØggYb'Ui Z'X]Y'6YXØfZb]ggY]\fYf'6Yk c\bYf'ni [YgW\b]hhYb'k YfXYb'i bX'<YfUi gZcfXYfi b[Yb k]Y'?`]a Uk UbXY`i bX'gcn]U`Y'; YfYW\h][\_Y]h'UbdUW\_Yb''

8]Y'6Ui a U» bU\a Yb']a 'GYYWUffÅ'g]bX'UVk YW\g`i b[gfY]W\
\_cbn]d]Yfh'i bX'V]YhYb'Y]bYb'9]bgUhn'XYg'; YVÀi XYghUbXUfXg
UgdYfb'\_`]a UZ]h 'gck]Y'Y]b'Y][YbYg'5bYf[]YbYhn"'I a 'Ui W\'X]Y
A cV]`]hÀh'ni '[Yk À\f`Y]ghYbž'k]fX'Y]bY'GhfU» YbVU\b`]b]Y'&) 'XUg
E i Ufh]Yf'Ub'XUg'VYghY\YbXY'K]YbYf'JYf\_Y\fgbYhn'UbV]bXYb"

## 8]Y'G]Y[Yfdfc^Y\_hY']a '8YhU]`

 $8 ]Y `9f[ YVb]ggY `XYf'K YhhVYk YfVgYf[ YVb]ggY `g]bX `VYY]bXfi W_YbX'' \\ 8 ]Y `Dfc Y_hY `XYf'j YfgWX]YXYbYb `6Ui ZY `XYf'g]bX `]bbcj Uh]j `i bX`Ui Z X]Y `_ØbZh][ Yb `6Yk c\bYf'Ui g[ Yf]WX hYh'' < ]Yf'Y]bY `, VYfg]WX h'XYf G]Y[ Yfdfc Y_hY.$ 

6Ui ZY`X	DfcY_hbUaY	6Ui hfÀ[Yf	5fWX]hY_hYb
: )	F]b[ 'i bX'DYf`Y	9; K	5``YgK]fX; i hž
			a ]U&
. *	: @CK 'Ž': f]gWX	GC N=5@651	? Òb][ `UfW\ ž': fY

	@izhCf]Ybh]YfhY gKc\bYb'Ž 5fVY]hYb		]a Ø``Yf! GÒ``]b[Yf
: +	G]Y[YfdfcY_h j cb'5F9	5F9	\Yf]/ gU``]ž ; Ub[c`m/ ?f]gh]bYf
: %&	; Ya ]gWk hYg ; YVÀi XY'i bX ?]bXYf[ UfhYb	<sup>2</sup> J K	dcc`ž : FC9HG7<9F'@ =7 <h9bk5; b9<br="">F</h9bk5;>
: %'	DfcY_ha]h ⇒bYb\cZ	<sup>2</sup> J K	H< 5@9F H< 5@9F ž'9fbgh B]_`Ui g': Ui gW
: - 6	BUX]U'/ G]a cbY' K c\bYb']b 6Yk Y[i b[°	kc\bZcbXgSk]Y bž'K]Yb''(&\$	
: %\$	:]h'ZØf'Acf[Yb	kc\bZcbXgSk]Y bž'K]Yb''(&\$	
: - 5	; UfU[Y`]a GYYWUffÅ	K ]Yb'' (&\$	

 $8 ] YgY `Dfc Y_hY `g]b X `HY]`` XYf` K c b V Ui ! C ZZY b g] j Y `& $ & ( \check{Z} " " 8 ] Y [ Yd`Ub hYb " + $ `K c b Y]b \ Y]hYb `k Yf XYb `b ] W h `b i f `XYb `K c b V Y X U f Z ] b `K ] Yb `XY W_Y b ž `g c b X Yfb `U i W `j ] Y `Y `[ Ya Y]b g W U Z h`] W Y `i b X `g c n] U `] b hY [ f] YfhY `9 `Ya Yb hY `V] Y hYb " `9] b `k Y] hYf Y g `N] Y ``] g h `Y g ž `Y] b Y b @ Y V Y b g f U i a `ni `g W U Z Y b ž `X Y f `X ] Y `5 b g d f Ø W Y `Ub `? `] a U g W i hn `i b X g c n] U `Y `; Y f Y W h] [ _Y] h `Y f Z Ø ``h"$ 

8 Yf'K YhhVYk YfV'i a 'X]Y'nk Y]'6Ui d`ÀhnY': -6'i bX': %\$']gh'UV gc Zcfh'Ui g[ YgWkf]YVYb'i bX'[ `]YXYfh'g]Wk']b'Y]bY'i a ZUb[ fY]WkY 9f\_`Àfi b[ 'Ui Z'XYf'K YVgY]hY'j cb'k c\bZcbXg"k ]Yb'''=b']\fYb 5i gZØ\fi b[ Yb'nY][ h'g]Wkž'XUgg'X]Y'GWkk Yfdi b\_hY'Ui Z'; Ygi bX\Y]hž?`]a UgWki hn'i bX'F Yggci fWYbgWkcbi b[ '`]Y[ Yb"

@Yhnh`]W\`k]fX`a Y\f`U`g`bi f`K c\bfUi a `[YgW\UZZYb/`\]Yf`k]fX`Y]b bYi Yg`GhØW\_`K]Yb`Ybhk]W\_Y`hž`XUg`Ui Z`X]Y`<YfUi gZcfXYfi b[Yb`XYfghÀXh]gW\Yb`Ni\_i bZh`i bX`X]Y`6YXØfZb]ggY`gY]bYf`6Yk c\bYf`nÀ\`h"

 $8 ]Y'5i gghY``i b['XYf'K YhhVYk YfVgVY]hfÀ[Y'V`Y]Vh'V]g'ni a '&, "'$b] hA[`]WA'j cb'%*.$$'V]g'&$.$$'I \f'[YÔZZbYh'i bX'XYf'9]bhf]hh']gh'ZfY]' Y]b'; fi bX'a Y\fž'g]WA'gY`Vgh'Y]b'6]`X'j cb'X]YgYb'Ui ZfY[YbXYb Dfc Y_hYb'ni 'a UWAYb"$ 

8 Y hU]`g	
Cfh	5gdYfbž <sup>2</sup> ghYffY]WX
EiY``Yb	• kkk"chg"Uh
	<ul><li>k k k "k c\bZcbXg"k ]Yb"Uh</li></ul>
	• k k k "VdV"XY

6Ygi WXYb G]Y i bg Ui Z. a Y]b!k ]Yb bYh