

## XVV'6Yf`]b'gYhnh'NY]WXYb'ZØf'Hc`YfUbn'UiZ GWXki`YbZYgh']b'GWXÒbYVYf[°

5a '%- "#&\$" '\dagger \cdot \c



6Yf`]b!GWX ObYVYf[ ž'8Yi hgWX `UbX'!' ⊕ `XYf' Øb[ ghYb'8YVUhhY i a `X]Y'6Yf`]bYf'Dc`]nY][ Yk Yf\_gWX UZh\\Uh': fUb\_'6YW\_Yfž
@UbXYgj cfg]hnYbXYf'XYg'XVV'VYUa hYbVi bX'i bX'hUf]Zi b]cb'VYf`]bž
ZØf'?`Uf\Y]h'[ Ygcf[ h"'9f'VY[ fØ» h'X]Y'8]ghUbn]Yfi b[ 'a Y\fYfYf
@UbXYgj YfVÀbXY'j cb'XYb'\_cbhfcj YfgYb'Ÿi » Yfi b[ Yb'XYg
6i bXYgj cfg]hnYbXYb'FU]bYf'K YbXh"'8]YgYf'\UhhY']b'XYf
Di V`]\_Uh]cb' H]WX mg'9]bV`]W\_ 'ØVYf'ei YYfY'H\Ya Yb'[ YgdfcWXYb
i bX'XUa ]h'j ]Y`'I ba i h'Ui g[ Y`Ogh"'J ]Y`Y'gY]bYf'?c``Y[ ]bbYb'i bX
?c``Y[ Yb'Ya dZ]bXYb'K YbXhg'Ÿi » Yfi b[ Yb'U`g'Ui g[ fYbnYbX'i bX
X]g\_f]a ]b]YfYbXž'k]Y'XVV"VYf`]b'VYf]WXhYh"

6YW\_Yf'i bX'X]Y'8Dc`; '6Yf`]b'VYhcbYbž'XUgg'Hc`YfUbnž K Y`hcZZYb\Y]h'i bX'XUg'BYi hfU`]hÀhg[YVch'XYg'; fi bX[YgYhnYg']b  $Y]bY'\_`UfY'Dcg]h]cb]Yfib[']bbYf\U`V'XYf'; Yk Yf\_gWk UZh'[Y\O`fh'' 8]Yg'k]fX'VYgcbXYfg'\Yfj cf[Y\cVYb'VY]'XYf'HY]`bU\a Y'Ua @YgV]gWk!GWk i `Yb!GhfU» YbZYgh']b'6Yf`]b!GWk O`bYVYf['Ua'%-''i bX &$"'$\dangle ']'\dangle 'X]YgYa 'FU\a Yb'k YfXYb'Ui Wk'j YfgWk]YXYbY : UWk [Yk Yf\_gWk UZhYb'XYg'XVV'VYf`]b'j YfhfYhYb'gY]bž'k Ug'Y]bYb ghUf\_Yb'5i gXfi W_j cb'Gc`]XUf]h\dangle h'nY][h''$ 

## Hc`YfUbn'U`g'; fi bXgUhn

6cXc DZU`n[fUZžXYf'@UbXYgj cfg]hnYbXY XYf'8 Dc`; '6Yf`]bž
i bhYfghfY]WX h'X]Y J YfdZ]WX hi b[ 'ni f'5WX hi b[ 'U``Yf'A YbgWX Yb']b
XYf'; YgY``gWX UZh'' =b 'XYf'Dc`]nY]'i bX 'XYf'; Yk Yf\_gWX UZh'[]Vh'Yg
\_Y]bYb 'D`Uhn'ZØf'5i g[fYbni b[ ž'ghY``h'Yf'\_`Uf"'8]Yg'[YgWX]Y\h']b
Y]bYa '?`]a Už']b 'XYa 'F U]bYf'K YbXh'ZØf'gY]bY 'UVk YfhYbXYb
?ca a YbhUfY'ØVYf'@ 6H=E!; fi ddYb'gWX UfZ'\_f]h]g]Yfh'k]fX"'Gc
Yf\_`Àfh'VY]gd]Y`gk Y]gY'G]Vm`Y'?fUi gYž'A]h[`]YX'XYf'; XDž'XUgg
K YbXhg'Ÿi » Yfi b[Yb'b]WX h'bi f'\YfUVgYhnYbX'g]bXž'gcbXYfb'Ui WX
XYb'FYgdY\_h'j cf'J]Y`ZU`h'i bhYf[fUVYb"'8Yg'K Y]hYfYb'k]fX'j cb
C`]j Yf'j cb'8cVfck c`g\_]ž'; fØbXYf'j cb'6YhhYf'Dc`]WYž'K YbXhg
<U`hi b['U`g' Yk]['[Yghf][Yf'Dcdi`]ga i g 'VYnY]WXbYh'

K YbXh'\Uh'i bhYf'UbXYfYa '[YÀi »Yfhž'XUgg'@, 6H€!; fi ddYb']\fY

⇒XYbh]hÀh'UbXYfYb' Ui ZXfÀb[Yb 'i bX'XUVY]'Y]b'BUffUh]j 'ZÒfXYfbž

XUg'ZØf'I ba i h']bbYf\U`V'XYf'Dc`]nY]'gcf[h"'8]YgY'G]Wk k Y]gY'k]fX

b]Wkh'bi f'j cb'Y][YbYb'?c``Y[Yb'\_f]h]g]Yfhž'gcbXYfb'Ui Wk'j cb

J YfhfYhYfb'ei YYfYf'Cf[Ub]gUh]cbYbž'X]Y'K YbXhg'?ca a YbhUfY'U`g
i bj YfUbhk cfh`]Wk'i bX'][bcfUbh'k U\fbY\a Yb"

## 8]Y; YgWX]WXhY;XYf;FYWXhY

8]Y'<YfUi gZcfXYfi b[ž'X]Y'ei YYf'@YVYbgk Y]gYb']b'XYf
; YgY``gW\UZh'ni 'U\_nYdh]YfYbž'\Uh'Y]bY'`Ub[Y'; YgW\]W\hY']b
8Yi hgW\`UbX"', VYf'j ]Y`Y'\J\fnY\bhY'k UfYb'\ca cgYli Y``Y
<UbX`i b[Yb'ghfUZVUfž'k Ug'ni 'a Ugg]j Yf'8]g\_f]a ]b]Yfi b['ZØ\fhYž
k]Y'WgX!bcfXk Ygh"XY'XUf`Y[h"'8Yf'z%+) 'XYg'Gh; 6'ki fXY'VYfY]hg
%, +%'Y]b[YZØ\fh'i bX'ghY``hY'gYli Y``Y'<UbX`i b[Yb'nk]gW\Yb
A ÀbbYfb'i bhYf'GhfUZY"'5i W\'bUW\'XYggYb'5VgW\UZZi b['V`]YV'X]Y
8]g\_f]a ]b]Yfi b['VYghY\Yb"

 $8 ]Y FYZcfa ~ 5bbc ~ *- k Ufink UfiY]b ~ GWx f]hh ~ ]b ~ X]Y ~ f]Wx h][Y F]Wx hi b[~ ziXcWx ~ Yfgh ~ a]h ~ XYf ~ 9]b ~ ZØx ~ fi b[~ XYf ~ 9\Y ~ ZØf ~ U ~ Y ~ ]a ~ $J\f & $\%+ k i fXY ~ X]Y ~ ; ~ Y]Wx ghY ~ i b[~ k Y]h Ygh[~ Y\Y b X ~ YffY]Wx h ~ Hfchn X]YgYf ~ cfhgWx f]hh Y ~ [~ ]Vh ~ Yg ~ b UWx ~ k ~ ]Y ~ j ~ cf ~ [~ fc ~ y ~ YfUi gZcfXYfi b[~ Ybz ~ VYgcbXYfg ~ ]b ~ 6Yni [~ Ui ~ ZiX]Y ~ [~ YgY ~ `gWx UZh ~ ]WXY ~ 5_n Ydh Ubn ~ a ~ Yf ~ k ~ ]YXYf ~ k ~ ]fX ~ XYi ~ h ~ ]Wx ~ ziXUgg ~ 8 ~ ]g_f]a ~ ]b ]Yfi ~ b[~ j ~ cb ~ @ ~ 6HE ~ 5 ~ Z ~ !DYfgcbYb ~ k ~ Y]h Yf ~ ]b ~ Y]b ~ Xf ~ b[~ YbXYg ~ H ~ Ya ~ U ~ ]ghz ~ VY]gd ]Y ~ gk ~ Y]gY ~ Xi ~ fWx ~ Uggj ~ YfVfY W ~ Yb ~ cXYf ~ 6 Yb UWx ~ hY] ~ ][~ i ~ b[~ ]a ~ 6 Yfi ~ Z"$ 

8]Y'8YVUhhYb'fi bX'i a 'X]Y'Ÿi » Yfi b[Yb'j cb'FU]bYf'K YbXh'i bX X]Y'FYU\_h]cbYb'XUfUi Z'j YfXYi h']WXYbž'k ]Y'k ]WXh]['Yg']ghž'g]WX'ZØf X]Y'FYWXhY'i bX'X]Y'G]WXhVUf\_Y]h'XYf'ei YYf'7ca a i b]hm Y]bni gYhnYb"'8 Ug'GhfU» YbZYgh']b'GWX ÒbYVYf['i bX'XUg 9b[U[Ya Ybh'XYf'; Yk Yf\_gWXUZhYb'g]bX'bi f'Y]b][Y'XYf'GWXf]hhYž X]Y'i bhYfbca a Yb'k YfXYbž'i a 'J]Y`ZU`h'i bX'; `Y]WXghY``i b['ni ZÒfXYfb'i bX'ni 'YVYb"

8]Y`NY]hYb`ÀbXYfb`g]W\žii bX`Yg`nY][h`g]W\žXUgg`CZYb\Y]h`i bX
Hc`YfUbn`]a a Yf`a Y\f`]a `[YgY``gW\UZh`]W\Yb`8]g\_i fg`[YZcfXYfh
k YfXYb"`A]h`Y]bYa `\_`UfYb`6Y\_Ybbhb]g`ni `X]YgYb`K YfhYb`k]```X]Y
8 Dc`; `6Yf`]b`Y]b`NY]W\Yb`gYhnYbž`XUgg`b]Ya UbX`]b`XYf
; YgY``gW\UZh`j Yf[YggYb`k]fX`i bX`U``Y`A YbgW\Yb`]b`]\fYf`\\*XYbh]h\Ah
fYqdY\_h]Yfh`k YfXYb`a ØqqYb"

8 Y hU]`g	
Cfh	6Yf`]b!GWXObYVYf[ž'8YihgWX`UbX
Ei Y``Yb	• k k k "XVV"VYf`]b
	• a UbbgWX UZh"Wca
	<ul><li>kkk"WgX!bcfXkYgh"XY</li></ul>

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