

HcX'jcb'@cfYbn'5".': fU[Yb'bUW\Dc`]nY][YkU`h'i bX'HchgW\`U['Yf\]hnYbC`XYbVi f[

8 Yf 'Hc X 'XYg '&%! 'À\f][Yb '@cfYbn '5" 'Xi fW 'Dc`]nY]gW ØggY ']b C`XYbVi f['k]fZh': fU[Yb 'Ui Z/'9fa]hhìi b[Yb 'i bX '5bhY]`bU\a Y g]bX '[fc » "



C`XYbVi f[ž'8Yi hgWk`UbX'!' \ D`XYf'BUWkhini 'C ghYfgcbbhU['ghUfV XYf'&\%!'\A\f][Y'@cfYbn'5"']b'C`XYbVi f['Xi fWk'a Y\fYfY'GWk\ØggY j cb'Y]bYa 'Dc`]n]ghYb"'8Yf'J cfZU``'YfY][bYhY'g]Wk'j cf'XYf 8]g_ch\Y_' DUV`c g ž'U`g'@cfYbn'ni j cf'FY]n[Ug'[Y[Yb'UbXYfY DYfgcbYb'Y]b[YgYhnh'\UhhY"'6Yf]WkhYb'ni Zc`[Y'\UhhY'Yf'XUVY] a Y\fYfY'A YbgWkYb'`Y]Wkh'j Yf'Yhnhž'VYj cf'Yf'g]Wk'XYf'Dc`]nY] k]XYfgYhnhY'i bX'a]h'Y]bYa 'A YggYf'Xfc\hY"'8Yf'J cfZU```\UhiY]bY K Y``Y'XYf'HfUi Yf'i bX'XYf': fU[Yb'Ui g[Y`Òghž'k À\fYbX'X]Y 9fa]hh'i b[Yb'i bhYf'< cWkXfi W_'k Y]hYf[YZØ\fh'k YfXYb"'8]Y GhUUhgUbk U`hgWkUZh'C`XYbVi f['\UhiY]bY'I bhYfgi Wki b['[Y[Yb'XYb &+!'\A\f][Yb'Dc`]n]ghYbž'XYf'X]Y'hÒX`]WkYb'GWk\ØggY'UV[UVž

5bhY]`bU\a Y`i bX`ÒZZYbh`]WXY`FYU_h]cbYb

8]Y 5bhY]`bU\a Y `Ua `HcX'j cb'@cfYbn'5"]gh']b'C`XYbVi f[`[fc» "'5b XYb'C fhYbž'k c'; YXYb_j YfUbghU`hi b[Yb'ghUhhZUbXYbž'k i fXYb 6`i a Yb'i bX'?YfnYb'b]YXYf[Y`Y[h"': fYi bX]bbYb'i bX': fYi bXY'XYg JYfghcfVYbYb'Ài »Yfb'gWk YfY'J cfk ØfZY'[Y[Yb'X]Y'Dc`]nY]'i bX gdfYWkYb'gc[Uf'j cb'A cfX"' *b'FYU_h]cb'Ui Z'X]Y'I a ghÀbXY'XYg HcXYg']gh'ZØf': fY]hU[UVYbX'Y]bY'8Ya cbghfUh]cb']b'XYf'GhUXh [Yd`Ubh"'8UVY]'k]fX'b]Wk h'bi f'[Y[Yb'XYb'J cfZU```gY`Vghž'gcbXYfb Ui Wk'[Y[Yb'F Ugg]ga i g'dfchYgh]Yfh"

CVYfVØf[Yfa Y]ghYf *Øf[Yb ??fc[a Ubb \Uhrni f 6YgcbbYb\Y]h
Ui Z[Yfi ZYb i bX k Ufbh'j cf Y]bYf *bghfi a YbhU`]g]Yfi b['XYf HfUi Yf"
5i Z'dc`]h]gWXYf '9VYbY 'nY][Yb 'g]WX 'gck c\`; fØbY 'U`g 'Ui WX 'GD8
VYghØfnh ØVYf 'X]Y ; YgWXY\b]ggY i bX 'ZcfXYfb 'Y]bY i a ZUggYbXY
5i Z_`Àfi b["'; `Y]WX nY]h]['k UfbYb 'X]Y '781 i bX 'X]Y '5 Z8 'j cf
J cfj Yfi fhY]`i b[Yb i bX 'ZcfXYfb 'Y]bY 'VYggYfY '5i gfØghi b['XYf
Dc`]nY]ž'k]Y 'Yhk U'a]h HUgYfb "'B]YXYfgUWXgYbg *bYba]b]ghYf]b
8 Ub]Y`U'6Y\fYbg'gdf]WX h'j cb 'j Yf\YYfYbXYb'J cfk ØfZYb 'i bX

 $VYhcbh'X]Y'Bchk YbX][\ _Y]h'Y]bYf'[fØbX`]WXYb'FY_cbghfi \ _h]cb'XYf 9fY][\ b]ggY"$

F Ugg]ga i g]b XYf Dc`]nY]UfVY]h

8 Yf: U```k]fZh'Ui W. : fU[Yb'ni f'Dc`]nY]UfVY]h']b'8 Yi hgW.`UbX'Ui Zz VYgcbXYfg']a '<]bV`]W_'Ui Z'F Ugg]ga i g"'?f]h]gW.Y
5i gY]bUbXYfgYhni b[Yb'a]h'XYf'Dc`]nY]'[U`hYb'`Ub[Y'U`g'hUVi ž YXcW.`\UVYb'j YfghÀf_hY'A YX]YbUi Za Yf_gUa _Y]h'i bX k]ggYbgW.UZh`]W.Y'Ghi X]Ybžk]Y'X]Y'j cb'5a bYghm' bhYfbUh]cbU`ž X]Y'DfcV'Ya Uh]_'XYf'Dc`]nY][Yk U'h'i bX'fUgg]gh]gW.Yb', VYf[f]ZZY']b XYb': c_i g'[YfØW_h"'9g']gh'i bYf`Àgg`]W.žX]Y'ghfi _hi fY``Yb DfcV'Ya Y']bbYf\U'V'XYf'Dc`]nY]'Ubni [Y\Yb'i bX'cZZYb'ØVYf'X]YgY H\Ya Yb'ni 'gdfYW.Yb'": À``Y'k]Y' BcfX_fYi n 'cXYf'XYf' BGI '&"\$ nY][Ybž'XUgg'fYW.hgYI hfYa Y'BYhnk Yf_Y'Ui W.']bbYf\U'V'XYf Dc`]nY]'j cf\UbXYb'g]bX"'8]YgY'J cfZÀ``Y'g]bX'Y]b'<]bk Y]g'XUfUi Zž XUgg'Yg'Xf]b[YbX'bchk YbX][']ghž'ØVYf'FUgg]ga i g']b'XYf Dc`]nY]UfVY]h'ni 'X]g_i h]YfYb'i bX'A U» bU\a Yb'ni 'Yf[fY]ZYbži a ni _ØbZh][Yb'J cfZÀ``Yb'j cfni VYi [Yb''

K À\fYbX'X]Y'9fa]hhìi b[Yb'ni '@cfYbn'5"g'HcX'k Y]hYf[Y\Ybž'V`Y]Vh X]Y'2 ZZYbh`]W_Y]h']b'[YgdUbbhYa 'K UfhYb'Ui Z'5bhk cfhYb"'8]Y HfU[ÒX]Y'\Uh'X]Y'8YVUhhY'ØVYf'FUgg]ga i g'i bX'Dc`]nY][Yk U`h']b 8 Yi hgW\`UbX'YfbYi h'Ub[Yghc» Yb'i bX'nY][h'X]Y'Ub\U`hYbXYb < YfUi gZcfXYfi b[Ybž'X]Y'X]Y'; YgY``gW\UZh'VYk À`h][Yb'a i gg"

 $: \emptyset f `k Y] h Y f Y ` \pm b Z c f a U h] c b Y b ` g h Y \setminus Y b ` Z c ` [Y b X Y ` 6 Y f] W h Y ` n i f J Y f Z \emptyset [i b [. ` A C D C ž ` B 8 F ` i b X ` 5 a b Y g h m ` \pm b h Y f b U h] c b U ` "$

8 Y hU]`g	
J c f ZU``	A cfX#HchgWX`U[
I fgUWX Y	BchkY\fžDc`]nY][YkU`h
Cfh	C`XYbVif[ž'8YihgWX`UbX
J Y f`Y hnhY	%
: YghbU\a Yb	%
EiY``Yb	• k k k "a cdc"XY
	• k k k "bXf"XY

8 Y hU]`g	
	• k k k "Ua bYghm"XY

 $6\,Y\,gi\ W\!\!X\,Y\,b\,{}^*\!G\,]Y\,{}^*\!i\ b\,g\,{}^*\!Ui\ Z.\,{}^*\!b\,!\,U\,[\,\,"b\,Y\,h\,]$