

8F?!GWkU`a!9XYf'Vf]b[h'@]Wkh'XYf <cZZbib['nia'Gc`ZYf]bc!:UW_Y``UiZ

8 Y f '8 F ? ! G W k U `a ! 9 X Y f 'V Y h Y] `] [h 'g] W `Ua 'Gc `Z Y f] b c ! : U W_Y `` U i Zž i a 'Ub 'X] Y 'G W `U W h 'j c b '%,) - 'i b X '\ i a Ub] h À f Y K Y f h Y 'n i 'Y f] b b Y f b "



Gc`ZYf]bcž:=hU`]Yb'!:5a & "" b]'&&&) "k Uf'XUg'8F?!GWk U`a!

9XYf'ghc`n'XUfUi Zž'Ua 'hfUX]h]cbY``Yb'Gc`ZYf]bc!: UW_Y``Ui Z

hY]`ni bY\a Ybž'Y]bYa '9j Ybhž'XUg'b]Wkh'bi f'Ub'X]Y'GWk`UWkh'j cb

Gc`ZYf]bcž'gcbXYfb'Ui Wk'Ub'X]Y'; fØbXi b['XYf'Fch_fYi n!'i bX

Fch\U`Va cbXVYk Y[i b['Yf]bbYfh"8]YgY'VYXYi hYbXY'GWk`UWkh

ZUbX'Ua '&("'*i b]'%,)-']a 'FU\a Yb'XYg'GUfX]b]gWkYb'?f]Y[Yg

nk]gWkYb'² ghYffY]Wk'i bX'D]Ya cbh!GUfX]b]Yb'ghUhhž'i bX'g]Y

_cghYhY'Yhk U'*"\$\$\$'A YbgWkYb'XUg'@YVYbž'k À\fYbX'(\$"\$\$\$

k Y]hYfY'j Yfk i bXYh'k i fXYb"'<Ybfm'8i bUbhž'Y]b'5i [YbnYi [Y'i bX

ni ZÀ``][Yf'6Ygi WkYfž'ZUbX'\]Yf'gY]bY'Nk YW_VYgh]a a i b[ž'U`g'Yf

X]Y'gWkfYW_`]WkYb'Ni ghÀbXY'gU\'i bX'VYgWk`cggž'XYb'j Yfk i bXYhYb

Gc`XUhYb'ni '\Y'ZYb"'9f'f]WkhYhY'Y]b'@UnUfYhh']b'XYf

bU\Y[Y`Y[YbYb'GhUXh'7Ugh][']cbY'Y]b'i bX'[UV'U``Ygž'i a 'XUg'@Y]X

ni ``]bXYfbž'XUg'Yf'a]hYf`YVhY"'9f'Xc_i a Ybh]YfhY'gY]bY 9fZU\fi b[Yb']b'gY]bYa '6i W\ 9]bY'9f]bbYfi b['Ub'Gc`ZYf]bc ž'XUg %, *&'YfgW\]Yb'i bX'X]Y'; fi bX`U[Y'ZØf'X]Y'\Yi h][Y'Fch_fYi n! 6Yk Y[i b['XUfghY``hž'k]Y'[YgW\]W\ hYb"fYXWfcgg"W\ 'VYgW\fY]Vh"

 $\begin{tabular}{ll} GY_lh'''''--&"cf[Ub]g]YfYb'XUg']hU']Yb]gWXY'FchY'?fYi'n'ibX \\ nU\`fY]WXY'Fch_fYi'n!; YgY``gWXUZhYb'jcb'9ifcdU'X]YgYb \\ :UW_Y`ni[ZXYf']b'Gc`ZYf]bc'VY[]bbh'ibX'bUWX'7Ugh][`]cbY'ZØ\fh'''+b X]YgYa''+JU\f'K Uf'XYf'8F?!?fY]gjYfVUbX'GWXK U`a!9XYf']b'A UfVif[XYf'ghc`nY'HfA[Yf'XYf':UW_Y`Z'X]Y'jcb'XYf'8F?!GW\kYghYfbgWXUZh A UfVif['\ØVYf[YVYb'kifXY'''8]Y'8Y`Y[Uh]cb'gYhnhY'g]WX'Uig'?Uhf]b ?fYihYfZ'**jU'Gd]Y**Z'FY[]bU'FUX`cZZ'ibX'5bXfYUg'?fUbb]WX nigUaaYb'''+AfYfghYf'<U`h'kUf'XUg'**iYbXfch_fYin']b GWXfYW_gVUWXZ'[YZc`[h'jca'8F?'GYb]cfYbnYbhfia']b'N]Y[Yb\U]bZkc'gckc\`''<Y]aVYkc\bYf'U'g'UiWX'DZY[YdYfgcbU`'[YVUbbh'UiZX]Y'5b_ibZh'XYf':UW_Y`'kUfhYhYb'''BcfVYfh'GÒX`YfZ'XYf'DfAg]XYbh XYg'8F?!@UbXYgjYfVUbXYg'<YggYbZ'ibX'5b[Y`U'?]b[Z'X]Y ghY``jYfhfYhYbXY'8F?!?fY]g[YgWXAZhgZØ\fYf]bZ`]Y*Yb'g]WX'X]Y; Y`Y[Yb\Y]h'b]WXhYbh[Y\YbZ'Ub'X]YgYa'VYXYihYbXYb'9fY][b]g hY]`nibY\aYb''$

8Yf'K Y['ni f': UW_Y`ØVYf[UVY

 $< Ybfm'8ibUbhg'9b[U[YaYbh'ZØf'X]Y'jYfkibXYhYb'Gc`XUhYb'\UhY]bY'6YkY[ib[']bg'@YVYb'[YfiZYbž'X]Y'\YihY'kY`hkY]h'U_h]j']gh''BUWX'XYf'GWX`UWXh'jcb'Gc`ZYf]bc'ZUbXYb'aY\fYfY'k]WXh][Y9bhk]\w_`ib[Yb'ghUhhz'X]Y'X]Y'\iaUb]hÀfY'<]`ZY'fYjc`ih]cb]YfhYb''8ibUbhg'6Yf]WXhY'ØVYf'X]Y'; fÀiY`'XYg'?f]Y[Yg'ibX'X]Y$

I bni `Àb[`]W_Y]hYb `XYf'GUb]hÀhgX]YbghY `YffY[hYb'[fc» Yg 5i ZgY\Yb'i bX'ZØ\fhYb'ni f'; fØbXi b['XYg' \delta hYfbUh]cbU`Yb ?ca]hYYg'ZØf'J Yfk i bXYhYbdZY[Yž'XUg'gdÀhYf'U`g' \delta hYfbUh]cbU`Yg ?ca]hYYj ca 'FchYb'?fYi n'fh?F?Ł'VY_Ubbh'k i fXY"8]Y'; fØbXi b[X]YgYg'?ca]hYYg'k i fXY'Ua '%+"': YVfi Uf'%, *' 'cZZ]n]Y``'Yf_`Àfh" I bj Yf[YggYb'V`Y]Vh'Ui W\ XUg'YfghY'; YbZYf'5V_ca a Yb'j cb'%, *(ž XUg'XYb'; fi bXghY]b'ZØf'XUg'\i a Ub]hÀfY'J Ò`_YffYW\h'`Y[hY'i bX bcW\ '\Yi hY'Y]bY'hfU[YbXY'Fc``Y']b'XYf'k Y`hk Y]hYb'\i a Ub]hÀfYb <]`ZY'gd]Y`hž'k]Y'Xf_"XY'Xc_i a Ybh]Yfh"

 $8\ Yf'Gc`ZYf]bc!: UW_Y``Ui\ Z'V`Y]Vh'Y]b'gma\ Vc`hfÀWk h][\ Yg'9fY][\ b]gž'XUg X]Y'i bYfa \emptysetX`]Wk Y'5fVY]h'XYg'FchYb'? fYi nYg'ZY]Yfh'i bX [`Y]Wk nY]h]['XUfUb'Yf]bbYfhž'k]Y'k]Wk h]['Yg']ghž'X]Y'a YbgWk`]Wk Yb : c`[Yb'j cb'?cbZ]_hYb'ghYhg']a '5i [Y'ni 'VY\U`hYb''8]Y'9fY][b]ggY]b'Gc`ZYf]bcž'X]Y'Y]bgh'[fc» Y'gWk fYW_`]Wk Y'8]a Ybg]cbYb UbbU\a Ybž'\UVYb'g]Wk']b'Y]b'NY]Wk Yb'XYf'<c\ZZbi b['i bX'XYf\i a Ub]h\AfYb'<]`ZY'[Yk UbXY`h''8Yf': UW_Y`ni ['nY][h\z'XUgg Ni gUa a Yb\U`h'i bX'Gc`]XUf]h\Ah'Ui Wk']b'gWk k]Yf][Yb'NY]hYb i bj Yfn]Wk hVUf'g]bX''$

8 YhU]`g	
Cfh	Gc`ZYf]bcž'=hU`]Yb
EiY``Yb	• k k k "\bU"XY
	[YgWX]WX hY"fYXWfcgg"WX
	• k k k "Xf_"XY

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'bU[!\ YggYb "XY